Quarterly Monitoring Report
3rd Quarter 2004

L.E. Carpenter & Company
Wharton, New Jersey

USEPA ID No. NJD002168748

November 2004

346519

RMT, Inc., Michigan ("RMT")
2025 E. Beltline Avenue SE, Suite 402
Grand Rapids, MI 49546
Tel. (616) 975-5415
Fax (616) 975-1098

Quarterly Monitoring Report
3rd Quarter 2004

L.E. Carpenter & Company
Wharton, New Jersey

USEPA ID No. NJD002168748

November 2004

Nicholas J. Clevett
Project Manager

James J. Dexter
Senior Hydrogeologist

© 2003 RMT, Inc.
All Rights Reserved

Table of Contents

1. Introduction 1-1
   1.1 Response to Regulatory Review of the 2nd Quarter 2004 Monitoring Report 1-1

2. Monthly EFR Activities 2-1
   2.1 Summary of Activities 2-1
   2.2 Apparent Free Product Trends 2-2
      2.2.1 Western Region of Free Product 2-3
      2.2.2 West-Central Region of Free Product 2-3
      2.2.3 East-Central Region of Free Product 2-3
      2.2.4 Eastern Region of Free Product 2-3
      2.2.5 Site Total Apparent Free Product Area 2-4
   2.3 Recovered Free Product Volume Estimates 2-4

3. Quarterly Groundwater Monitoring 3-1
   3.1 Implementation of Monitored Natural Attenuation Work Plan 3-1
   3.2 Methods 3-1
   3.3 Groundwater Elevations and Flow Direction 3-2
   3.4 Testing Results 3-3
   3.5 MNA Parameters 3-4

4. MW19/Hot Spot 1 Groundwater Monitoring 4-1
   4.1 Monitoring Well Locations 4-1
   4.2 Groundwater Flow 4-1
   4.3 Delineation of Groundwater Contamination 4-1
      4.3.1 Contaminants of Concern 4-1
      4.3.2 MNA Parameters 4-3

5. Drainage Channel Surface Water Sampling 5-1

6. Upcoming Sampling Activities and Remedial Actions 6-1
   6.1 Free Product Source Reduction 6-1
   6.2 Excavation and Disposal of Lead Soils 6-2
   6.3 Rapid Response 6-2

List of Tables

Table 1	Free Product Recovery
Table 2	Regional Apparent Free Product Trends
Table 3	Monthly Free Product Gauging Logs and Volumetric Extraction Calculations
Table 4	Current Quarterly Groundwater Monitoring Protocol
Table 5	Quarterly Groundwater Elevations
Table 6	Quarterly Groundwater Monitoring Data
Table 7	Quarterly Groundwater Monitoring MNA Analytical Data
Table 8	Quarterly Groundwater Monitoring MNA Field Data
Table 9	MW19/Hot Spot 1 Groundwater Monitoring Data
Table 10	Surface Water Monitoring Data

List of Figures

Figure 1	Site Location Map
Figure 2	Site Plan with Well Locations
Figure 3	Free Product Thickness Map
Figure 4	Site Wide Shallow Aquifer Potentiometric Surface Map
Figure 5	MW19/Hot Spot 1 Shallow Aquifer Potentiometric Surface Map
Figure 6	MW19/Hot Spot 1 Isoconcentration Map, 3rd Quarter 2004
Figure 7	MW14 Well Cluster Vertical Gradient Trend Chart
Figure 8	MW11 Well Cluster Vertical Gradient Trend Chart

List of Appendices

Appendix A	Report Certification
Appendix B	Apparent Free Product Volume Trend Charts
Appendix C	3rd Quarter 2004 Monitoring Well Sampling Data
Appendix D	Groundwater Concentration Trend Analysis
Appendix E	3rd Quarter 2004 Laboratory Analytical Report

Section 1
Introduction

RMT, Inc. (RMT), on behalf of our client, has prepared this Quarterly Monitoring Report for the L.E. Carpenter and Company (LEC) ("site") located at 170 North Main Street, Wharton, New Jersey (Figure 1). Quarterly monitoring events are performed at the site to comply with paragraph 35 of the 1986 Administrative Consent Order (ACO) issued to LEC by the New Jersey Department of Environmental Protection (NJDEP). We provide a summary of activities completed during the third quarter of 2004 (3Q04), including but not limited to, routine quarterly Monitored Natural Attenuation (MNA) groundwater monitoring, surface water monitoring, and monthly free product recovery activities.

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 3Q04:

- Monthly mobile free product recovery using enhanced fluid recovery (EFR) techniques in accordance with the NJDEP approval letter dated August 20, 1997 (Reference Section 2, and Figures 2 and 3).
- Quarterly groundwater monitoring as required under the ACO (Reference Sections 3 and 4 and Figures 4, 5, and 6).
- Various follow-up activities associated with both the lead and free product investigations, and the proposed conceptual remediation plan. (Reference Section 6).
- Maintenance of absorbent booms to prevent migration of free-product sheen to the river and the ditch (Reference Section 6).

We provide a discussion of these activities in the referenced sections.

1.1 Response to Regulatory Review of the 2nd Quarter 2004 Monitoring Report

LEC has, to date, not received a NJDEP comment letter regarding the 2nd Quarter 2004 (2Q04) Monitoring Report. Once received, LEC will prepare a response to comment document and submit it under separate cover.

Section 2
Monthly EFR Activities

2.1 Summary of Activities

In August 1997, the NJDEP approved the Remedial Action Plan (RAP), which described free product removal using EFR for the eastern portion of the subject site (east of the railroad right-of-way). EFR is conducted by applying a vacuum to product recovery wells to primarily remove free-phase product in addition to limited volumes of contaminated groundwater and contaminant vapors within vadose zone and capillary fringe soils. As the result of increased aeration, this procedure enhances any natural biodegradation that may be occurring in the soil and groundwater. The locations of the 28 EFR wells purged during each monthly EFR event and all groundwater monitoring wells are shown in Figure 2.

RMT arranged performance of three EFR events during the 3Q04 on July 8th, August 12th, and Sept. 17th. RMT coordinated measurement of the free product thickness in each recovery well (where applicable), followed by EFR. The free-product thickness measured inside well casings and volumes of free product calculated based on the measured thicknesses and the well diameter are referred to herein as "apparent free-product" because free-product in a well is not a measure of actual product thickness or recoverable volumes in the soils adjacent to each well. Tracking total apparent free-product volume and comparing that number to the total volume recovered during an EFR event (as determined by above ground storage tank (AST) gauging with the interface probe) is also a method to determine how much free product was drawn out of the soils surrounding the EFR well casings. RMT observed measurable free product within 15 of the 74 wells monitored on August 9, 2004 (Table 5). Table 1 lists apparent free product thickness measurements recorded during 3Q04.

RMT's subcontractor, CEMCO, used the recorded free product measurements to determine the placement of the drop pipe that maximized free product recovery volumes produced during each EFR event. Table 1 also provides a cumulative breakdown of EFR specific information such as minimum and maximum free product thickness levels (in feet), associated waste management costs, extracted product (liquid and vapor phase) and groundwater volumes (in gallons) to date.

During 3Q04, EFR activities were conducted utilizing a Nortech, Inc. 55B vacuum head apparatus capable of producing a vacuum of 17-inches of mercury (in Hg) at 100 cubic feet per minute (cfm). This unit is connected to a fitted 55-gallon drum, and braced to a mobile 4-wheel drive vehicle. When compared to the previously utilized vacuum trucks, use of this system has

enabled CEMCO to get closer to each individual EFR well head, minimizing potential losses in the system previously experienced due to the use of greater lengths of extraction hose, while maximizing the maneuverability of the drop pipe. Use of this system has also resulted in a more efficient EFR event, minimizing the volume of groundwater extracted. The average ratio of extracted groundwater to free product during the 3Q04 was approximately 0.32 gallons/gallon. Between November 1997 to December 1999 (before use of the current extraction method), the ratio of extracted groundwater to free product was 4.7 gallons/gallon.

Once the extraction apparatus is full (approximately 55-gallons), the free product and limited volume of groundwater are transferred to the on-site 550-gallon AST equipped with secondary containment for satellite storage. The fluids generated during EFR events, including purged groundwater generated during groundwater monitoring activities, are transported off-site by Clean Venture, Inc. (US EPA ID No. NJ0000027193) and managed by Cycle Chem, Inc. (USEPA ID No. NJD002200046) at their facility located in Elizabeth, New Jersey. Waste fluids were transported off-site following the August 2004 EFR event (State Manifest Document No. NJA 5209068).

2.2 Apparent Free Product Trends

The following sections describe apparent product trends in the western, west central, east central, and eastern portions of the free product area. In this section, apparent product refers to the volume (in gallons) of free product occupying the casing of each EFR well. As described in the following sections, "total volume of apparent free product" represents the sum of product volumes from each EFR well within each of the four segregated regions. This data is summarized on Table 2.

The apparent product thickness is not representative of the actual free product thickness or volume that exists within the formation outside of the well casing. RMT previously evaluated actual or "true" free product thickness and volume in our report entitled *Free Product Volume Analysis* (May 2000). That report estimated a total volume of recoverable (using *in-situ* methods) free product actually present in the subsurface to be between 8,000 and 13,000 gallons. In addition, the light non-aqueous phase liquid (LNAPL) "true" thickness calculated in the May 2000 report (using the Van Genuchten method) for the area comprising all of the regions discussed below averaged 0.265 feet. The calculated "true" thickness also was very similar to the apparent free-product thicknesses in terms of defining four separate regions or sub-areas with the most significant amounts of free product. Similarly in this report, to facilitate description of the current distribution of free product, the zone of free product occurrence has been divided into the same four sub-areas. These four areas, discussed from west to east, are summarized below:

2.2.1 Western Region of Free Product

In the western portion of the free product area (EFR wells 1, 2, 3, 17, 18, 20, 21, and 28), there was an increase in the total volume of apparent free product measured in EFR wells during the 3Q04 compared to 2Q04 (7.84 gallons in 3Q04 up from 5.48 gallons in 2Q04). Free product thickness increased at EFR wells 1, 2, 3, 18, and 21, decreased at EFR well 20, and remained the same at EFR well 17. Levels of free product, which are now being measured in WP-A2, WP-A4, WP-A6, and WP-A9 had also decreased in comparison with 2Q04. EFR well 28 was destroyed during test pit activities in early spring and so was not measured during 3Q04. In general, the overall apparent free product volume in the western region continues to decrease since LEC initiated EFR in November 1997 (Figure 3 and Appendix B).

2.2.2 West-Central Region of Free Product

In the western-central portion of the free product area (EFR wells 4, 5, 6, 7, 19, 22, 23, 24, 25, 26, and 27), the total volume of apparent free product increased from 1.35 gallons in 2Q04 to 2.62 gallons in 3Q04. Free product thickness decreased at EFR well 23, increased at EFR wells 5, 6, 19, 25, and 26, and remained the same at EFR wells 4, 7, 22, 24, and 27. There were also decreased levels of free product in WP-A7 and WP-A8 from 2Q04. The overall apparent free product volume in the western region continues to decrease since LEC initiated EFR in November 1997 (Figure 3 and Appendix B).

2.2.3 East-Central Region of Free Product

In the east-central portion of the free product area (EFR wells 8, 9, 10, 11, 12, and 13), there was an increase in the total volume of apparent free product measured during the 3Q04 compared to the previous quarter (1.17 gallons in 2Q04 up to 4.2 gallons in 3Q04). Free product thickness increased at all east-central EFR wells (8, 9, 10, 11, and 12) with the exception of EFR well 12 where no free product has been measured in over 6 months. The overall apparent free product volume in the eastern-central region continues to decrease since LEC initiated EFR in November 1997 (Figure 3 and Appendix B).

2.2.4 Eastern Region of Free Product

Similar to previous events, no free product was detected in EFR wells 14, 15, and 16 during 3Q04. However, a free product thickness 0.27 feet (.16 gallons) was measured in nearby monitoring well MW-3 during the 3Q04 monitoring event. This represents a decrease in the apparent free product for that well* compared to the 2Q04 results. (Refer to Figure 3 and Appendix B)

2.2.5 Site Total Apparent Free Product Area

In general, the total apparent free product trend chart indicates a general decrease in the apparent free product volumes existing within on-site wells. A cumulative breakdown of free product thickness and apparent free product volumes specific to each region is presented in Table 2. Additionally, trend charts for each of the four free product regions, and for the site as a whole, graphically display apparent free product volume fluctuations over time are presented in Appendix B. Figure 3 shows apparent thickness contours and the lateral extent of apparent free product on-site during 3Q04. This figure incorporates the apparent free product thickness measurements from the groundwater monitoring event conducted by RMT on August 9, 2004 and the pre-EFR event measurements from the EFR wells obtained by CEMCO on August 12, 2004.

2.3 Recovered Free Product Volume Estimates

After the completion of each EFR event, the total volume of extracted fluid was determined by gauging the 55-gallon vacuum head drum previously mentioned in Section 2.1 with an oil/water interface probe. The drum was allowed to stabilize for one hour prior to gauging to allow for separation of emulsified product resulting from aggressive recovery prior to gauging. Gauging was conducted on a level surface and recorded thickness was converted to volumes based on a conversion of 1.65 gallons per inch of fluid thickness in the 55-gallon drum. Recovered liquid free product volume was determined by subtracting the volume of water from the total fluid volume collected in the 55-gallon drum. Vapor phase product volume was estimated based on vacuum head airflow (in cfm) and vented contaminant concentrations (in ppm) obtained during extraction at each EFR well. The volume (combined liquid and vapor phase) of free product extracted during each month's EFR event is presented in Table 3.

The total extraction volume (measurable free product, product vapor, and groundwater) during 3Q04 was 55.29 gallons. Approximately 46.21 gallons of that amount were measurable free product as determined by vacuum head drum gauging and vapor phase volume calculations, and 9.08 gallons were groundwater. Since initiation in December 1997, on-site EFR activities have removed approximately 15,277 gallons of total fluids, of which, approximately 4,053 gallons were measurable free phase product. Based on historical modeling data (Ref. Section 2.2), approximately 3,954 to 8,954 gallons of recoverable free product remains in the ground. Tables 1, 2, and 3 contain a complete breakdown of EFR related information.

Section 3
Quarterly Groundwater Monitoring

3.1 Implementation of Monitored Natural Attenuation Work Plan

In a letter dated January 15, 2004, USEPA requested LEC to implement the remainder of the May 2001 MNA workplan. Prior to that time, LEC implemented only the low-flow sampling protocols as outlined in the MNA workplan. LEC began implementing the additional portions of the MNA workplan during the 2Q04 sampling event. Sampling and testing of the wells coded in red color on Figure 4 took place per the approved workplan.

3.2 Methods

RMT conducted groundwater monitoring activities in the 3Q04 on August 9th - 14th. In the past, we performed groundwater monitoring in accordance with the procedures contained in the NJDEP's *Field Sampling Procedures Manual* dated May 1992. However, in second quarter 2002 (2Q02) we initiated groundwater monitoring using the low-flow methodology outlined in our May 2001 MNA workplan. The MNA workplan was approved by NJDEP on January 24, 2002. Although the sampling was performed using low-flow methods, the remaining parts of the MNA workplan had not yet been initiated, although a QED bladder pump system with disposable Teflon bladders (as described in the approved MNA workplan Quality Assurance Project Plan (QAPP)) was used to collect groundwater samples at LEC. However, per the comments received from USEPA on January 15, 2004 regarding their review of the third quarter 2003 (3Q03) monitoring report, LEC began implementing the additional portions of the MNA workplan during the 2Q04 sampling event. RMT performed the 3Q04 groundwater monitoring event in accordance with the fully implemented MNA workplan. Locations of the quarterly MNA monitoring wells are shown on Figure 2.

Quarterly MNA monitoring wells MW-4, MW-14S, MW-14I, MW-15S, MW-15I, MW-17S, MW-21, MW-22(R), and MW-25(R) were sampled utilizing the low-flow methodology outlined in the QAPP, presented in Appendix A of the approved MNA workplan. Specifically, RMT used a QED bladder pump to remove groundwater at a low rate (average of 0.3 L/minute). Before sampling the wells we measured field parameters until they stabilized to obtain a representative sample of the formation water for laboratory testing. Monitoring well sampling data for the 3Q04 is presented in Appendix C. Once the field parameters in each well stabilized, or following adequate purging if stabilization could not be achieved, samples were collected

from the Teflon-lined polyethylene tubing of the bladder pump. Monitoring wells MW-3 and MW-6R could not be sampled because free product was measured in the well.

A sample duplicate, a trip blank, field (atmosphere) blank, and a rinsate blank were collected to satisfy Quality Assurance/Quality Control (QA/QC) requirements. A summary of the quarterly groundwater monitoring QA/QC requirements for the LEC site is also outlined in Table 4. The trip blank was prepared by the laboratory and remained with the sample containers until the samples were returned to the laboratory where they were analyzed for benzene, toluene, ethyl benzene, and xylenes (BTEX). The duplicates were collected from monitoring well MW-19-10 (duplicate sample No. Dupe-01) and MW-25(R) (duplicate sample No. Dupe-02) and analyzed for BTEX, bis (2-ethylhexyl) phthalate (DEHP), and MNA parameters. The rinsate blank was collected by circulating triple distilled water through the cleaned bladder pump assembly to verify that the decontamination procedures were adequate. Any sampling equipment used at each well was decontaminated prior to each use utilizing an environmental detergent (Alconox) and clean water wash followed by a distilled water rinse. The field (atmosphere) blank was taken by opening a bottle of unpreserved de-ionized water provided by the laboratory, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory. RMT submitted the samples to Lancaster Laboratories, Inc. (Lancaster), located in Lancaster, Pennsylvania for BTEX and DEHP, analysis per the current MNA groundwater monitoring protocol outlined in Table 4.

3.3 Groundwater Elevations and Flow Direction

On August 9, 2004, RMT measured static groundwater levels from 74 different locations throughout the site (Table 5). RMT used these data to calculate groundwater elevations and evaluate the groundwater flow pattern in the shallow aquifer system.

Figure 4 displays the site-wide shallow groundwater elevation contours, and indicates groundwater flow direction in the shallow aquifer east of the rail spur is similar to that observed historically (generally toward the east). Washington Forge Pond acts as a constant head boundary that provides the driving head for both shallow and deep groundwater flow. As a result, areas of the site exhibit upward vertical gradients, while the drainage ditch acts as a discharge zone, as does the downstream portion of the Rockaway River. The portion of the Rockaway River south of and immediately adjacent to the site is a losing reach, particularly in drought periods when the groundwater levels beneath the site are depressed a few feet and a gradient from the River into the site occurs. As one moves downstream the River transitions to a gaining stream, but the location of the transition oscillates due to changes in recharge events. Also exhibited in Figure 4 are the effects caused by the presence of the drainage ditch. The drainage ditch acts as a local groundwater "sink", and shallow groundwater flow direction from a large portion of the site is towards the drainage ditch.

The regional groundwater "sink" for this area is the Rockaway River, as exhibited by the strong upward vertical gradients observed for all of the on-site well clusters. For example, the water elevation in MW-11D(R) is 2.45 feet higher than the corrected water elevation for its' shallow counterpart MW-11S (Table 5). Similarly, data collected during the 3Q04 sampling event shows the water elevation in MW-14I is 0.14 feet higher than the water elevation for its' shallow counterpart MW-14S. Historical water level data for this and other locations of well clusters confirms the predominant upward vertical gradients across the site (Figures 7, and 8).

Shallow groundwater at the southern edge of the LEC site is generally recharged directly by the Rockaway River and first flows northwards towards the site and then toward the east. All flow from the site is ultimately to the drainage ditch and/or the Rockaway River (Figure 4). Furthermore, data continues to show that shallow groundwater on the Air Products property flows southeast, south, and southwest towards the drainage ditch.

The potentiometric surface contours were generated using the measured fluid level elevations in site shallow wells. We also used surface water elevations from points in the Rockaway River, the drainage ditch, 6 and the Washington Forge Reservoir to control and interpret the groundwater elevation contours.

As described above in Section 1.2, we reexamined the groundwater contours in light of NJDEP comments regarding certain groundwater elevation points that were not in agreement with elevation contours. The contours presented on Figure 4 have been developed using a contouring protocol that strictly agrees with corrected elevations for the wells within the free-product zone. The resulting contours show a depressed water table that matches closely with the area of greatest apparent free product thicknesses shown on Figure 3.

3.4 Testing Results

A comparison of the results of the chemical analyses to New Jersey Class IIa Groundwater Quality Standards (NJGWQS) is outlined in Table 6. The presence of BTEX and/or DEHP was not detected at concentrations above NJGWQS in samples collected from MW-11D(R), MW-14S, MW-14I, MW-15S, MW-15I, MW-21, and MW-25(R). Following the approved MNA sampling protocol, MW-17S was only sampled for MNA parameters and not BTEX or DEHP. The presence of DEHP was detected in WP-B6, WP-B7, MW-2(R), MW-4, and MW-22(R) at concentrations of 64,000, 63,000 µg/L, 15,000 µg/L, 2,500 µg/L, and 99 µg/L respectively. These concentrations exceed the NJGWQS for DEHP of 30 µg/L. In addition, total xylene concentrations were detected above the NJGWQS of 40 µg/L in MW-22(R) (410 µg/L).

Concentrations of total xylenes and DEHP at MW-22(R) have consistently exceeded NJGWQS; concentrations of these constituents at downgradient monitoring location MW-14S have never

exceeded NJGWQS. In addition, contaminant concentrations at monitoring location MW-25(R) (also located downgradient from MW-22R at certain times of the year) have not exceeded NJGWQS since second quarter 1997.

There is no discernable trend of DEHP concentrations in MW-11D(R) when the data are viewed in total from 1999 through 2004 (Table 6; Appendix D). In addition, as we have described in previous reports, the reliability of low-level detections of DEHP have been questionable because DEHP is ubiquitous in the environment, and it is also a common laboratory contaminant. In summary, sporadic past DEHP detections in MW-11D(R) are false positives based on the following: 1.) DEHP has often been found in laboratory blanks, 2.) past field decontamination of sampling equipment has at times likely been inadequate, and 3.) the very strong upward vertical hydraulic gradient (Table 5 and Figure 8). LEC has performed a variety of tasks in order to eliminate or minimize production of false positive data. The first steps we took were to institute more rigid field decontamination procedures in order to minimize potential field cross-contamination, as well as changing to in-field use of triple-distilled decontamination water. This was followed by initiation of low-flow sampling methodology (March 2002) in order to minimize amounts of contaminated suspended particulate matter (*e.g.* clay particles) and purging of stagnant water within the well riser.

Despite these actions, laboratory cross-contamination of DEHP had still proved to be a concern in certain monitoring events through fourth quarter of 2002 (4Q02). As a result RMT evaluated several laboratories in terms of their in-house program to minimize DEHP as a common lab contaminant. As was mentioned in the 4Q02 monitoring report, beginning with first quarter 2003 (1Q03) Lancaster performed all laboratory analyses. As shown in the 3Q04 analytical results provided by Lancaster, DEHP was not detected above the method detection limit (MDL) of 1.0 µg/L in either the laboratory blanks nor in any of the QA/QC samples taken during this event.

LEC will continue to sample groundwater from MW-11D(R) and test it for the presence of DEHP. However, MW-11I(R) and MW-11D(R) will be properly abandoned prior to initiation of the free product remediation, currently scheduled to begin in the fourth quarter 2004 (4Q04). This should satisfy the concerns of potential future upward trends in concentrations for the deep well expressed in the NJDEP letter received on June 30, 2004.

3.5 MNA Parameters

Tables 7 and 8 summarize the MNA field and analytical data respectively. The sampling and testing was done in accordance with the parameters outlined in the May 2001 MNA workplan that was revised on October 23, 2001 and approved by NJDEP on January 24, 2002. These data will be examined closely in the future with respect to post-remediation evaluation of MNA.

Section 4
MW19/Hot Spot 1 Groundwater Monitoring

This section summarizes the results of a groundwater monitoring event conducted in the MW-19/Hot Spot 1 area on August 9-14, 2004. In their January 15, 2004 letter, the USEPA commented on their desire to begin MNA sampling. LEC began implementing the MNA workplan during the 2Q04 sampling event. Quarterly MNA monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-5, MW-19-6, MW-19-7, MW-19-8, MW-19-9D, and MW-19-10 were sampled utilizing the low-flow methodology outlined in the QAPP, presented in Appendix A of the approved MNA workplan.

4.1 Monitoring Well Locations

The site was flown on February 14, 2002 and a site-wide topographic map was constructed from that aerial photograph. Figure 2 incorporates all of the MW-19/Hot Spot 1 area monitoring wells, and nearby buildings, utilities, fences, and streets.

4.2 Groundwater Flow

As in previous quarters, groundwater flow in the MW-19/Hot Spot 1 area is generally northwards and bends northeast (Figure 5). In addition, the localized flow of shallow groundwater in this area is also likely influenced by the presence of the 24-inch Rockaway River Regional Interceptor Sewer, which is encased in a gravel-lined trench running parallel to Ross Street.

From a regional flow standpoint, overall flow is controlled by the Washington Forge Pond and the Rockaway River. The Rockaway River eventually captures groundwater from MW-19/Hot Spot 1 area, even though it is locally influenced by the Regional Interceptor Sewer.

4.3 Delineation of Groundwater Contamination

4.3.1 Contaminants of Concern

Table 9 summarizes concentrations of BTEX and DEHP for all of the MW-19/Hot Spot 1 area MNA groundwater monitoring wells. RMT sampled groundwater from the MW-

19/Hot Spot 1 area wells on August 9-14, 2004. Corresponding analytical laboratory reports are presented in Appendix E. Lancaster performed all laboratory analyses.

The NJGWQS for DEHP is not exceeded in any monitoring wells. Benzene, toluene, ehylbenzene, and total xylenes exceed the NJGWQS in groundwater collected from MW-19 and MW19-5. MW-19 is located close to the former 10,000-gallon underground storage tanks (UST's E-3 and E-4) that likely were responsible for releasing some of the waste DEHP and BTEX constituents. However, these former UST's are no longer a source for DEHP and BTEX contamination in this area because LEC removed them in 1991 along with nearby impacted soils. In addition, the LEC printing processes and material storage practices that occurred in Building 9 may have resulted in releases of both DEHP and BTEX were stopped in 1987. The NJGWQS for total xylenes and benzene were exceeded in MW19-2 and MW19-7, respectively. The cause of the increasing concentrations in certain MW19 area wells is currently unknown.

No BTEX or DEHP were detected in the newly installed MW19-10. However, this well appears to be not immediately downgradient from MW-19-7 based on the first two measured groundwater elevations from this newly installed well (Figure 5). LEC will continue to monitor the MW-19 area wells to further evaluate flow directions and the potential for a MNA remedy for addressing the dissolved contaminates of concern (COC's) in groundwater.

RMT constructed Figure 6 to show isoconcentration contours for total BTEX levels in parts per million (ppm) (mg/L) with respect to the groundwater elevation contours. The distribution of total BTEX defined by the isoconcentration contours is consistent with the groundwater flow direction defined by the groundwater elevation contours.

No BTEX or DEHP were detected in MW19-9D (Table 9). This shows that there is no migration of these constituents downward and to the north under Ross Street and the regional interceptor sewer. In addition, the lack of downward migration of contaminants is evidenced by the hydraulic data we discuss below.

Table 5 lists monitoring well surveyed reference elevations, water level measurements, and groundwater elevations. Although NJDEP/USEPA retracted their earlier requirement to pair a shallow well with MW19-9D, we installed MW19-9D only about 12 feet north of MW19-6 because of access issues. The driller had to conform to OSHA requirements and maintain a safe distance from the overhead power lines that overhang the north side of Ross Street. As previously stated the on-site NJDEP representative approved the well location in the field before drilling commenced.

The closeness of MW19-6 and MW19-9D allows a general comparison between groundwater elevations versus screened interval and to evaluate the vertical gradient. The hydraulic head at MW19-9D is 0.55 feet higher than at MW19-6, indicating a significant upward vertical gradient. The vertical distance between the middle of the MW19-6 and the MW19-9D well screens is 15 feet. Given the difference in hydraulic head between the two wells, the upward vertical hydraulic gradient is about an order of magnitude greater than the horizontal hydraulic gradient measured for this area.

This upward vertical gradient is consistent with all other deep/shallow well clusters across the site and is probably influenced by 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), the Rockaway River, acts as constant head boundaries comprising a regional aquifer discharge area.

LEC will continue to conduct groundwater monitoring in this area as part of the site-wide MNA quarterly groundwater-monitoring program.

4.3.2 MNA Parameters

Tables 7 and 8 summarize the MNA field and analytical data respectively. The sampling and testing was done in accordance with the parameters outlined in the May 2001 MNA workplan that was revised on October 23, 2001 and approved by NJDEP on January 24, 2002. These data will be examined closely in the future with respect to post-remediation evaluation of MNA.

Section 5
Drainage Channel Surface Water Sampling

As part of the 3Q04 event, RMT sampled the eastern drainage channel that separates the adjacent Air Products facility from the LEC site and the adjacent Wharton Enterprises property. This sampling was conducted at the request of NJDEP as outlined in their letter dated May 31, 2002. The NJDEP requested, in a letter dated November 4, 2002, that surface water samples be collected at the three locations along this channel (SW-5, SW-7, & SW-8). During the third quarter sampling event, only two of the three locations (SW-5 & SW-7) were sampled due to sampler error. Sample SW-5 is located at the bend in the ditch (Figure 2), closest to the down gradient edge of the area of free product (Figure 3). Sample SW-7 is located at the upstream end (head) of the ditch.

The surface water samples collected at SW-5 and SW-7 contained very low levels of toluene (1.50 µg/L and 1.4 µg/L respectively). Both SW-5 and SW-7 also contained very low levels of DEHP (2.0 µg/L and 4.0 µg/L respectively). DEHP detections are "J-qualified" meaning they were estimated values falling between the MDL and the Limit of Quantitation (LOQ). These concentrations are below the surface water quality criteria for toxic substances outlined in N.J.A.C 7:9B-1.14 and NJGWQS. Historical and current surface water sampling results are summarized in Table 10.

These data suggest that BTEX and DEHP constituents dissolved in groundwater are naturally attenuating, and that migration of the these primary constituents of concern is not taking place at levels above applicable standards in surface water within the drainage channel nor in groundwater beyond MW-25(R) located on the Wharton Enterprises property. In other words, the area of on-site free product results in an aerially limited downgradient "halo" of dissolved phase contaminants in groundwater that make up a stable (non-expanding) plume. Future site monitoring activities will include surface water sample collection at all three surface locations.

Section 6
Upcoming Sampling Activities and Remedial Actions

The following section briefly outlines activities anticipated for completion during 3Q04 and 4Q04. LEC completed the 3Q04 groundwater sampling event in August 2004. The 4Q04 sampling activities are scheduled to be completed in early November 2004; however, assuming the source reduction remediation is approved and starts up in 4Q04 all further groundwater monitoring events will be postponed until approval and installation of the post-remediation groundwater monitoring well network.

6.1 Free Product Source Reduction

In December 2001, RMT conducted a subsurface investigation to further investigate methods to expedite removal of free product as outlined in the NJDEP approved workplan and amendment entitled *Workplan to Evaluate Free Product Remedial Strategies* (RMT, November 2001), and *Amendment to Workplan to Evaluate Free Product Remedial Strategies* (RMT, November 2001). Results of this investigation were submitted to USEPA and NJDEP in the document entitled *Findings & Recommendations Regarding a Conceptual Free-Product Remediation Strategy* in March 2002. NJDEP and USEPA comments were provided in the NJDEP letter dated July 26, 2002. Written responses to the comments outlined in the July 26, 2002 letter were provided to NJDEP and USEPA in the RMT response letter dated October 22, 2002. All of the issues described in the comments and response letters were addressed at the meeting held in Edison New Jersey on September 19, 2002. Both the NJDEP and USEPA verbally approved the conceptual approach to free product remediation during that meeting. Per NJDEP's request in their letter dated January 22, 2003, RMT submitted on March 4, 2003 a detailed schedule of all activities anticipated through remedial mobilization that was tentatively set at August 31, 2004. The schedule was revised and re-submitted on January 14, 2004. RMT, on behalf of LEC, prepared and submitted a Remedial Action Work Plan (RAWP) dated April 2004 that outlines both the engineering and design of the conceptual approach, and the various requirements (*i.e.*, plans, permits and approvals) needed to implement the remedy on-site.

Comments resulting from review of the RAWP were received from NJDEP and USEPA on July 21, 2004. Implementation of the source removal strategy presented in the RAWP will take place after the RAWP review comments have been addressed. Remediation of free product via

source reduction through excavation (per the RAWP) is still tentatively scheduled to start in 4Q04.

6.2 Excavation and Disposal of Lead Soils

In November 2001, RMT conducted a subsurface investigation as outlined in the *Revised Workplan for Delineating and Characterizing Elevated Lead Concentrations in Soil* (RMT, May 2001) to delineate the extent of on-site lead contamination in soils. Results of this investigation were submitted to USEPA and NJDEP in the document entitled *Nature and Extent of Lead in Soils and Groundwater* in March 2002. NJDEP and USEPA comments were provided in the NJDEP letter dated July 26, 2002. Written responses to the comments outlined in the July 26, 2002 letter were discussed at the September 19, 2002 meeting and also provided to NJDEP and USEPA in the RMT response letter dated October 22, 2002. As was required in the NJDEP letter dated January 22, 2003, RMT on behalf of LEC, submitted the report entitled *Focused Feasibility Study Lead-Impacted Soil Remediation* (FFS)(RMT, February 2003) so that an Explanation of Significant Difference (ESD) could be prepared by NJDEP and USEPA documenting and approving this change in the current Record of Decision (ROD) remedial approach for lead soils from excavation and off-site disposal to excavation and on-site beneficial reuse. NJDEP and USEPA comments were received on July 3, 2003. On behalf of LEC, RMT attended a meeting with NJDEP and USEPA on October 7, 2003 to discuss the draft FFS comments. Based on the results of that meeting, LEC submitted a letter formally requesting withdrawal of the FFS on December 9, 2003. That letter stated lead contaminated soils would be remediated by implementing the original ROD alternative of removal and off-site disposal, except soils would be removed down to a level of 400 ppm (residential cleanup criterion) instead of the ROD-mandated cleanup level of 600 ppm (industrial cleanup criterion). The withdrawal of the lead FFS was approved by NJDEP and USEPA in a letter dated December 23, 2003. Procedures for staging and removal of the lead-contaminated soils to an off-site disposal facility are detailed in the RAWP and this remediation will take place immediately prior to remediation of the LNAPL source area.

6.3 Rapid Response

Maintenance of the absorbent materials (*i.e.*, booms and sweeps) at the two seep areas continued throughout 3Q04. Absorbent material maintenance events took place on July 15th and 28th, August 11th and 25th, and September 8th and 22nd. Waste booms and sweeps and associated PPE were accumulated in 55-gallon drums and staged on-site pending appropriate management. On September 24, 2004, 17 55-gallon drums of non-hazardous absorbent materials and PPE were transported by Environmental Waste Minimization, Inc. (EWMI) to Michigan Disposal Waste Treatment Plant located in Belleville, Michigan. Biweekly absorbent material maintenance events will continue throughout 4Q04.

Tables

Table 1
L.E. CARPENTER - Wharton, New Jersey
Free Product Recovery - EFR Well # 1 - 28

EFR Event Date / Well No.	Development 21-Nov-97 Feet of Product	EFR #1 09-Dec-97 Feet of Product	EFR #2 07-Jan-98 Feet of Product	EFR #3 22-Jan-98 Feet of Product	EFR #4 17-Feb-98 Feet of Product	EFR #5 13-Mar-98 Feet of Product	EFR #6 27-Mar-98 Feet of Product	EFR #7 24-Apr-98 Feet of Product	EFR #8 29-May-98 Feet of Product	EFR #9 30-Jun-98 Feet of Product	EFR #10 31-Jul-98 Feet of Product	EFR #11[10] 24-Aug-98 Feet of Product	EFR #12 17-Sep-98 Feet of Product	EFR #13 23-Oct-98 Feet of Product	EFR #14 20-Nov-98 Feet of Product	EFR #15 18-Dec-98 Feet of Product	EFR #16 13-Jan-99 Feet of Product	EFR #17 18-Feb-99 Feet of Product	EFR #18 24-Mar-99 Feet of Product	EFR #19 19-Apr-99 Feet of Product	EFR #20 19-May-99 Feet of Product	EFR #21 22-Jun-99 Feet of Product	EFR #22 28-Jul-99 Feet of Product	EFR #23[12] 27-Aug-99 Feet of Product	EFR #24 22-Sep-99 Feet of Product	EFR #25 27-Oct-99 Feet of Product
EFR-1	1.66	1.50	1.94	0.86	2.48	0.93	0.94	1.42	1.55	2.11	1.28	1.22	1.71	1.59	1.71	1.57	0.58	1.79	8.68	1.10	1.09	1.15	1.49	1.27	1.94	1.63
EFR-2	1.55	1.50	1.65	0.05	2.80	2.95	2.92	2.65	2.44	1.78	1.12	1.09	1.91	1.89	1.81	1.41	0.95	1.40	2.42	1.48	1.22	0.92	1.21	1.00	0.98	1.05
EFR-3	0.65	1.02	1.27	--	1.58	1.19	0.09	0.94	0.19	0.77	0.72	0.93	1.09	1.01	1.19	1.18	1.14	1.01	1.63	0.85	0.85	0.88	0.89	1.09	0.74	0.69
EFR-4	1.09	2.27	0.54	0.07	0.80	--	--	--	--	0.08	0.88	1.29	2.40	2.17	1.75	1.79	0.78	0.10	0.14	0.03	0.05	0.03	0.44	0.99	0.61	0.11
EFR-5	4.09	8.74	4.25	0.82	8.29	9.99	1.71	2.71	2.02	1.95	2.68	2.52	2.68	2.52	2.19	2.26	2.68	6.47	6.15	2.65	2.61	2.65	2.65	1.57	1.77	8.28
EFR-6	0.72	1.00	1.24	--	2.27	1.71	1.17	2.29	1.55	1.56	1.98	1.56	1.42	1.25	1.29	1.98	0.49	0.86	0.89	0.61	1.07	1.16	1.51	0.91	0.15	0.95
EFR-7	0.17	0.09	0.16	--	--	--	--	--	--	0.02	0.02	0.09	0.07	0.05	0.20	0.16	0.02	0.04	0.04	0.07	0.02	0.09	0.29	0.05	0.01	0.07
EFR-8	0.00	0.00	0.00	--	0.03	--	--	--	--	0.09	0.01	0.09	0.19	0.09	0.07	0.09	0.12	0.00	0.09	0.09	0.09	0.09	0.69	0.27	0.09	0.19
EFR-9	0.00	1.10	1.79	1.15	0.15	8.09	0.09	0.07	0.11	0.29	0.61	0.93	1.29	1.91	1.28	1.86	0.76	0.49	0.05	0.11	0.92	0.49	1.16	0.56	0.41	0.28
EFR-10	5.20	5.80	6.42	2.91	7.47	7.05	6.05	5.71	5.47	5.69	4.98	4.92	4.98	4.98	6.98	8.59	8.69	5.79	5.52	4.97	4.89	5.71	6.63	2.47	6.02	5.18
EFR-11	8.07	4.04	4.28	5.64	4.47	4.62	4.57	5.91	5.72	6.09	4.79	4.47	6.95	4.05	6.65	6.52	2.42	4.69	2.94	2.02	2.48	8.28	2.79	1.57	1.98	8.00
EFR-12	0.09	0.09	0.00	--	0.07	--	--	--	0.02	0.28	0.22	0.29	0.24	0.15	0.29	0.17	0.04	0.11	0.05	0.02	0.02	0.10	0.60	0.20	0.09	0.09
EFR-13	0.46	0.56	1.89	0.05	1.28	1.07	1.07	0.67	--	0.93	0.66	0.48	0.65	0.62	1.18	1.60	0.22	1.19	0.15	0.49	0.50	0.44	1.63	1.01	0.74	0.79
EFR-14	0.10	0.16	0.00	--	--	--	--	--	--	--	-	--	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-15	0.09	0.12	0.27	--	0.05	--	--	--	--	0.09	0.02	0.09	0.09	0.12	0.12	0.82	0.11	0.07	0.01	0.01	0.00	0.00	0.00	0.18	0.04	0.02
EFR-16	0.00	0.00	0.00	--	--	--	--	--	--	--	-	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-17	0.04	0.17	1.56	0.89	0.17	0.09	--	0.09	--	0.02	0.67	0.29	0.46	0.56	0.71	0.69	0.26	0.08	0.05	0.05	0.09	0.12	0.89	0.85	0.10	0.05
EFR-18	0.10	0.10	0.09	--	--	--	--	--	--	0.01	0.09	0.14	0.46	0.69	0.69	1.09	0.56	0.11	-	0.05	0.16	0.46	0.95	1.97	0.81	0.05
EFR-19	0.54	2.60	1.03	0.40	1.05	1.63	1.44	0.93	0.65	0.42	0.60	1.26	1.68	1.05	2.61	2.44	1.69	1.49	0.62	0.44	0.52	1.10	3.05	2.02	0.61	1.54
EFR-20	0.40	0.94	0.95	0.47	0.27	--	--	0.01	0.94	0.97	0.65	0.63	0.79	1.84	1.85	2.11	0.65	1.98	0.89	0.48	0.59	0.07	1.58	1.95	0.47	1.82
EFR-21	2.95	2.40	2.71	2.74	2.74	4.14	8.97	4.89	8.99	8.29	1.87	1.87	1.85	1.77	1.67	1.62	1.21	1.49	2.62	2.95	1.49	1.46	1.57	1.04	1.01	2.62
EFR-22	8.79	4.10	0.05	4.81	8.40	4.69	8.42	1.92	1.22	0.98	2.95	2.67	2.07	2.69	2.58	2.87	2.05	0.84	0.94	0.95	1.89	1.93	1.47	1.41	0.17	2.22
EFR-23	0.00	0.08	0.08	--	0.02	--	--	--	--	0.05	0.11	0.08	0.07	1.09	8.07	2.29	1.55	0.91	0.47	0.22	0.25	0.45	2.18	1.09	0.12	0.68
EFR-24	0.00	0.00	0.00	--	--	--	--	--	--	--	-	--	0.00	0.09	0.12	0.14	0.88	0.05	0.00	0.00	0.00	0.08	0.08	0.05	0.00	0.00
EFR-25	2.95	8.00	8.55	0.26	4.15	8.11	0.72	0.92	0.79	0.78	0.60	0.41	0.69	0.41	1.88	1.58	1.05	1.75	1.19	1.09	0.76	0.54	1.74	1.48	0.21	0.88
EFR-26	2.20	2.05	2.66	0.89	2.60	2.12	1.48	1.92	1.95	1.21	2.05	1.58	1.17	1.84	1.09	1.09	0.79	0.55	0.46	0.75	1.89	1.89	1.89	0.72	0.29	0.62
EFR-27	0.15	0.02	2.71	0.02	0.74	--	--	0.09	--	0.02	0.88	0.45	1.49	0.54	0.47	0.61	0.09	0.12	0.00	0.00	0.02	0.09	0.17	0.21	0.05	0.01
EFR-28	2.20	2.60	1.78	0.48	2.60	8.20	8.48	4.40	8.16	2.61	1.47	1.79	1.69	1.68	1.79	1.74	1.09	1.29	1.71	1.65	1.46	1.25	1.57	1.78	0.88	2.19
MIN (ft)	0.00	0.00	0.00	0.02	0.02	0.09	0.09	0.09	0.02	0.01	0.02	0.09	0.09	0.03	0.07	0.09	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX (ft)	5.20	5.60	6.42	5.64	7.47	7.05	6.05	6.71	5.79	6.09	4.94	4.92	4.94	4.98	8.89	8.99	8.69	5.79	6.15	4.97	4.89	5.71	8.63	2.47	6.02	5.18
Average (ft)	1.80	1.44	1.55	1.17	1.92	2.79	2.21	2.01	1.94	1.25	1.22	1.39	1.98	1.94	1.47	1.49	0.97	1.25	1.22	0.79	0.79	0.88	1.18	0.94	0.57	1.05
Total Free Product (ft)	89.88	40.80	46.66	19.94	44.05	44.66	69.10	56.24	81.07	61.15	60.88	60.76	69.90	64.92	88.90	88.66	25.27	61.14	61.94	22.00	22.20	24.54	68.11	26.96	15.94	29.88
Total Standing Free Product Volume (gal)	21.60	25.89	27.79	12.78	29.24	28.64	21.22	29.29	19.92	19.97	19.47	19.70	22.04	22.70	24.90	24.98	16.48	20.24	20.70	14.90	14.48	15.95	21.52	17.18	10.66	19.29
Estimated Total Free Product Removed (gal) [1] *(Liquid and Vapor Phase Free Product Volume)*	615.00	250.00	210.00	60.00	120.00	160.00	100.00	110.00	95.00	105.00	75.00	55.00	60.00	15.00	25.00	51.00	23.00	74.00	40.00	59.24	47.20	88.51	54.48	86.00	44.00	54.79
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*																										
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*																										
Liquid Phase Free Product Extraction Volume (gal) *as of Jan 2000*																										
Groundwater Extraction Volume (gal) per each EFR Event [7] *as of Jan 2000*																										
Total EFR Extraction Volume (gal) *(Total Volume: free product + groundwater + product vapor)*	2350.00	1410.00	975.00	254.00	814.00	600.00	823.00	408.00	690.00	561.00	211.00	220.00	822.00	212.00	120.00	256.00	294.00	493.00	693.00	904.76	860.00	564.26	725.54	298.00	269.00	265.00
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *if applicable* [6]	-	-	-	-	-	888	150	600	70	110	71	-	110	-	-	110	-	295	-	189	-	-	974	-	-	189
Total Volume Removed from Site (gal) *(Manifested volume)* [8]	2,950	1,410	975	255	814	638	489	1,008	460	671	282	220	489	212	120	256	294	788	693	1,094	958	588	1,100	292	241	454
Cumulative Total Free Product Removed (gal)	815	565	775	855	975	1,105	1,205	1,815	1,410	1,515	1,591	1,646	1,706	1,721	1,746	1,797	1,820	1,894	1,894	1,999	2,040	2,079	2,188	2,169	2,219	2,269
Extraction, Transportation & Disposal Cost [9]	$ 6,676.67	$ 2,742.62	$ 1,190.50	$ 1,190.50	$ 1,218.12	$ 1,421.67	$ 1,541.61	$ 2,039.49	$ 1,840.75	$ 1,847.69	$ 1,624.62	$ 1,638.99	$ 1,888.19	$ 915.25	$ 988.85	$ 978.00	$ 1,154.62	$ 1,811.58	$ 1,709.44	$ 2,042.75	$ 890.91	$ 1,588.16	$ 2,155.75	$ 2,152.12	$ 995.61	$ 1,288.50
Unit Cost per gal [9]	$ 1.69	$ 1.95	$ 8.01	$ 4.42	$ 8.89	$ 2.24	$ 8.15	$ 2.09	$ 2.70	$ 2.01	$ 4.70	$ 8.86	$ 8.15	$ 4.92	$ 7.19	$ 8.80	$ 4.94	$ 2.24	$ 2.49	$ 1.95	$ 2.64	$ 2.97	$ 1.97	$ 7.40	$ 4.18	$ 2.78
State Manifest Document Number	NJA2785096	NJA2786165	NJA2787909	NJA2785995	NJA2785990	NJA2785548	NJA2789541	NJA2787947	NJA2789596	NJA2970479	NJA2968712	NJA2968448	NJA2968517	NJA2969982	NJA2968078	NJA2968996	NJA6017471	NJA6030468	NJA6016902	NJA6015580	NJA6061179	NJA6016209	NJA6016546	NJA6022956	NJA2965992	NJA6180015

Notes:
Product thickness was determined prior to the EFR event.
gal = gallon
All EFR Wells are 4 inch in diameter
EFR events 10 and 14 product removal was low due to significant quantities of product remaining emulsified as the result of a short vac truck standing time prior to gauging

Product removal estimate does not take into account a % of product remaining emulsified do to high agitation
Indicates that this data will be known once the next EFR waste T&D event is performed

(1) Estimated free product (gal) based on Vacuum Truck gauging (interface probe) directly after each EFR Event and vapor monitoring during extraction (See Table 8)
(2) Total invoiced disposal cost for EFR event (product and groundwater) and monitoring well purge water from 1/4ly well development and monitoring activ*(if applicable)*
(3) Total Cost per gallon includes product transportation & disposal, manifest prep, & regulatory admin. fee for combined EFR and GW purge water volu*(if applicable)*
(4) EFR # 11 free product volume was 55 gal and contained PCBs (approx. weight 450lbs total @ specific gravity of 8.18 lbs./gal). Disposal costs were significantly higher due to PCB content
(5) EFR # 23 cost and unit cost higher than normal due to additional vac truck trans and mob time. As the vac truck was broken when it reached the site, a 8 hour credit will be applied to next months EFR T&D bill.
(6) Free product stored in an on-site 550-gallon AST equipped with secondary containment. AST contents, along with groundwater resulting from well purge activities are drained and transported by CycleChem/Clearwater/enviro every 90 days.
(7) Volume of ground water collected during each EFR event. Volume estimated using an oil/water interface probe on the 55-gal extraction drum. On-Site measurement began 1st quarter of 2000.
(8) Those volumes that are totaled over a specific period (beginning 1st quarter 2000) is that volume specific to each of the EFR event it represents.
(9) Estimated by subtracting the free product aqueous volume and extracted groundwater volume for each of the representative EFR event from the total removal volume manifested for a specific disposal event
(10) EFR events did not take place in January or February 2001 due to access issues caused by inclement weather.
(11) This shipment contained 7.0 ppm of PCBs in organic layer and % moisture of organic layer 57.58%
(12) Vapor phase free product volume not determined for July 2003 EFR Event No. 69 due to instrument failure
(18) This shipment contained 18.8 ppm PCBs, 2nd sample contained 12.5 ppm PCBs.

Table 1
L.E. CARPENTER - Wharton, New Jersey
Free Product Recovery - EFR Well # 1 - 28

EFR Event Date	EFR #26	EFR #27	EFR #28	EFR #29	EFR #30	EFR #31	EFR #32	EFR #33	EFR #34	EFR #35	EFR #36	EFR #37	EFR #38
Well No.	20-Nov-99 Feet of Product	18-Dec-99 Feet of Product	28-Jan-00 Feet of Product	18-Feb-00 Feet of Product	24-Mar-00 Feet of Product	19-Apr-00 Feet of Product	19-May-00 Feet of Product	16-Jun-00 Feet of Product	18-Jul-00 Feet of Product	17-Aug-00 Feet of Product	19-Sep-00 Feet of Product	25-Oct-00 Feet of Product	17-Nov-00 Feet of Product
EFR-1	1.47	1.20	1.22	0.65	1.05	1.59	1.54	2.10	1.51	1.25	1.58	1.00	1.07
EFR-2	1.29	1.40	0.05	1.04	2.25	2.00	1.91	1.69	1.40	0.95	1.08	0.97	1.09
EFR-3	0.47	0.02	0.51	0.07	0.09	0.09	0.52	1.02	0.25	0.02	0.09	0.44	0.49
EFR-4	0.09	0.58	0.61	0.49	0.11	0.11	0.41	0.22	0.05	0.02	0.02	0.02	0.05
EFR-5	2.99	1.27	2.65	2.46	2.21	2.54	1.94	2.94	1.99	1.69	1.57	2.74	2.47
EFR-6	0.63	0.86	1.07	0.77	0.29	0.91	0.49	0.27	0.54	0.29	0.55	0.69	0.79
EFR-7	0.04	0.47	0.15	0.02	0.05	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.01
EFR-8	0.05	0.11	0.05	0.05	0.09	0.03	0.05	0.03	0.02	0.01	0.01	4.25	0.02
EFR-9	0.10	0.15	0.19	0.03	0.19	0.02	0.05	0.05	0.12	0.15	0.08	0.02	0.50
EFR-10	8.95	8.07	4.50	8.55	8.50	4.50	1.95	2.50	9.03	0.75	2.76	8.93	8.27
EFR-11	0.11	1.07	0.44	4.35	2.41	2.95	2.99	2.49	4.12	0.79	4.79	0.16	4.00
EFR-12	0.67	0.01	0.03	0.49	0.45	0.10	0.19	0.01	0.01	0.00	0.03	0.11	0.04
EFR-13	0.57	0.25	0.95	0.84	0.49	0.47	0.89	0.55	0.78	0.49	0.22	0.25	0.09
EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-15	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-17	0.94	0.25	0.11	0.02	0.04	0.18	0.65	0.04	0.01	0.02	0.09	0.05	0.66
EFR-18	0.77	0.05	0.20	0.05	0.12	0.04	0.82	0.01	0.03	0.15	0.03	0.81	0.81
EFR-19	0.91	0.59	1.57	1.78	0.25	0.00	0.28	0.17	0.08	0.04	0.22	0.97	0.52
EFR-20	1.93	0.76	1.09	2.58	0.64	0.42	0.54	0.83	0.80	0.69	0.45	0.54	0.11
EFR-21	1.40	1.70	1.52	1.94	8.04	2.88	2.47	8.02	2.09	1.62	2.75	1.79	1.65
EFR-22	1.76	0.56	0.82	0.98	0.03	0.16	0.05	0.05	0.01	0.18	0.05	0.88	2.14
EFR-23	0.64	0.24	0.28	0.81	0.45	0.05	0.05	0.01	0.19	0.03	0.07	0.07	0.09
EFR-24	0.01	0.19	0.11	0.07	0.58	0.02	0.03	0.00	0.00	0.00	0.01	0.01	0.01
EFR-25	0.19	0.05	0.91	0.89	0.58	0.21	0.10	0.03	0.10	0.03	0.10	0.19	0.12
EFR-26	0.94	0.59	1.54	1.10	1.83	1.68	2.02	1.44	2.25	1.98	2.01	2.05	1.79
EFR-27	0.01	0.01	0.02	0.14	0.20	0.01	0.03	0.04	0.01	0.01	0.15	0.01	0.01
EFR-29	0.95	1.42	1.88	1.00	2.80	2.42	1.91	2.69	1.72	2.48	2.02	1.89	1.85
MIN (ft)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX (ft)	8.95	8.07	4.50	4.35	8.50	4.50	2.99	8.02	4.12	2.48	4.79	4.25	4.00
Average (ft)	0.99	0.68	0.97	0.95	0.99	0.84	0.75	0.76	0.76	0.46	0.74	0.80	0.80
Total Free Product (ft)	24.59	16.97	24.94	24.79	24.62	23.69	20.91	21.90	21.14	12.49	20.67	22.51	22.85
Total Standing Free Product Volume (gal)	15.99	10.94	15.92	15.11	16.00	15.20	18.59	18.95	18.74	8.12	18.44	14.69	14.58
Estimated Total Free Product Removed (gal) [1] *(Liquid and Vapor Phase Free Product Volume)*	44.79	49.94	49.52	51.66	49.14	45.46	45.50	49.66	46.99	22.05	25.07	44.12	65.86
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*			40.99	46.21	52.60	41.26	40.19	89.44	40.48	20.19	21.05	88.79	81.86
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*			6.55	7.69	10.19	5.85	6.91	5.05	7.60	5.22	5.26	6.58	5.65
Liquid Phase Free Product Extraction Volume (gal) *as of Jan 2000*			86.97	48.79	87.95	89.61	89.19	88.61	98.79	16.99	19.81	87.54	29.71
Groundwater Extraction Volume (gal) per each EFR Event [2] *as of Jan 2000*			8.98	2.49	14.65	1.65	0.99	0.99	1.65	8.80	1.94	1.94	1.65
Total EFR Extraction Volume (gal) *(Total Volume: free product + groundwater + product vapor)*	249.07	950.00	47.48	54.14	62.99	47.11	46.49	44.49	48.09	25.85	26.91	45.96	67.01
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *if applicable* [3]	92	-	57				110				184		
Total Volume Removed from Site (gal) *(Manifested volume)* [3]	991	950	569				250				225		
Cumulative Total Free Product Removed (gal)	2,619	2,662	2,405	2,457	2,505	2,551	2,597	2,640	2,687	2,709	2,734	2,779	2,819
Extraction, Transportation & Disposal Cost [3]	$ 1,029.99	$ 993.87	$ 1,045.62				$ 795.18				$ 762.81		
Unit Cost per gal [3]	$ 9.11	$ 2.77	$ 1.94				$ 8.18				$ 6.69		
State Manifest Document Number	NJA3090327	NJA9074974	NJA8114860				NJA8115867				NJA8101196		

EFR Event Date	EFR #39	EFR #40[2]	EFR #41	EFR #42	EFR #43	EFR #44	EFR #45	EFR #46	EFR #47	EFR #48	EFR #49	EFR #50	EFR #51
Well No.	15-Dec-00 Feet of Product	15-Mar-01 Feet of Product	23-Apr-01 Feet of Product	25-May-01 Feet of Product	19-Jun-01 Feet of Product	27-Jul-01 Feet of Product	24-Aug-01 Feet of Product	25-Sep-01 Feet of Product	25-Oct-01 Feet of Product	20-Nov-01 Feet of Product	31-Dec-01 Feet of Product	29-Jan-02 Feet of Product	20-Feb-02 Feet of Product
EFR-1	1.14	2.91	1.25	1.02	1.14	0.57	0.60	1.29	1.60	1.51	1.57	2.07	1.98
EFR-2	0.78	2.52	2.69	1.75	2.85	1.22	1.17	1.22	1.14	1.15	1.19	1.97	1.88
EFR-3	0.46	0.69	0.29	0.49	0.70	0.40	0.65	0.51	0.89	0.76	0.80	0.70	0.78
EFR-4	0.21	0.59	1.65	0.01	0.44	0.02	1.95	0.11	0.57	0.69	0.64	0.85	1.18
EFR-5	2.76	5.55	1.75	1.80	0.62	2.94	2.05	2.25	2.55	2.10	2.67	2.69	2.69
EFR-6	0.98	2.05	0.62	0.43	0.16	0.45	0.49	0.67	1.16	1.56	1.89	0.71	2.21
EFR-7	0.01	0.28	0.02	0.02	0.00	0.00	0.15	0.00	0.05	0.03	0.04	0.00	0.00
EFR-8	0.05	0.09	0.05	0.04	0.09	0.01	0.19	0.00	0.19	0.16	0.22	0.01	0.01
EFR-9	0.77	0.57	0.07	0.65	0.07	0.14	0.27	0.89	0.55	0.95	0.82	0.29	0.45
EFR-10	4.05	5.69	8.17	8.52	8.82	8.79	2.90	2.62	2.70	2.61	2.91	2.02	8.82
EFR-11	0.79	2.62	2.41	8.55	2.00	8.91	2.87	8.65	8.22	2.44	2.80	2.89	2.58
EFR-12	0.02	0.07	0.02	0.25	0.01	0.01	0.29	0.00	0.00	0.04	0.01	0.05	0.11
EFR-13	0.15	1.14	0.27	0.78	0.05	0.89	0.47	0.88	0.45	0.92	0.44	0.86	0.44
EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-15	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-17	0.01	0.41	0.61	0.61	0.09	0.02	0.49	0.84	0.65	0.97	1.57	1.48	2.23
EFR-18	0.20	8.27	1.85	0.48	0.91	0.01	0.18	0.41	0.69	0.75	1.22	1.50	1.00
EFR-19	1.42	2.82	0.65	1.83	1.01	0.44	1.19	0.54	2.15	2.86	2.88	2.26	8.22
EFR-20	0.97	0.84	0.97	0.52	0.91	0.03	0.92	0.94	0.79	1.10	1.29	1.78	0.45
EFR-21	1.87	4.09	8.51	2.95	2.61	1.88	1.61	1.67	1.58	1.99	1.54	1.51	1.50
EFR-22	1.50	0.81	0.05	0.43	0.00	0.00	0.47	0.57	1.22	1.59	1.88	0.98	0.63
EFR-23	0.89	0.07	0.03	0.68	0.09	0.05	0.84	0.07	0.65	2.07	0.75	0.88	1.18
EFR-24	0.04	2.87	0.05	0.84	0.01	0.01	0.27	0.14	0.85	0.88	0.84	0.47	2.65
EFR-25	0.10	0.04	0.89	0.28	0.14	0.03	0.47	0.09	0.49	0.63	0.84	0.82	0.99
EFR-26	1.10	2.64	2.56	2.69	1.49	2.24	1.07	1.20	1.45	1.22	1.18	1.14	0.97
EFR-27	0.01	0.48	0.05	0.04	0.00	0.01	0.04	0.00	0.52	0.49	0.18	0.59	0.82
EFR-29	0.84	2.81	2.75	1.68	2.84	1.86	1.67	1.05	1.50	1.98	1.51	1.67	1.85
MIN (ft)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX (ft)	4.05	5.55	8.51	8.55	8.82	8.91	2.87	8.65	8.22	2.67	2.91	2.69	8.82
Average (ft)	0.79	1.60	0.85	0.67	0.79	0.69	0.75	0.70	0.97	1.07	1.08	1.08	1.21
Total Free Product (ft)	22.29	44.76	28.62	27.84	20.98	18.88	21.08	18.82	27.89	30.01	29.67	29.55	33.86
Total Standing Free Product Volume (gal)	14.45	29.09	17.90	17.71	19.25	12.56	18.70	12.69	17.74	19.51	19.29	19.21	22.01
Estimated Total Free Product Removed (gal) [1] *(Liquid and Vapor Phase Free Product Volume)*	49.62	79.05	45.44	56.75	57.50	40.96	57.70	27.86	26.54	81.09	29.98	62.48	88.28
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*	48.79	74.01	40.01	51.15	81.29	86.60	89.00	25.59	25.15	26.40	28.98	24.75	26.40
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*	5.42	11.05	8.49	8.90	7.50	6.59	6.95	4.76	6.25	7.99	7.91	9.88	8.59
Liquid Phase Free Product Extraction Volume (gal) *as of Jan 2000*	42.90	68.00	67.95	47.65	80.00	99.89	81.85	20.10	22.29	23.10	21.45	26.10	24.75
Groundwater Extraction Volume (gal) per each EFR Event [2] *as of Jan 2000*	0.83	6.01	2.05	8.80	1.94	2.49	1.65	2.48	2.89	8.80	2.49	1.65	1.65
Total EFR Extraction Volume (gal) *(Total Volume: free product + groundwater + product vapor)*	50.15	85.07	48.50	80.05	88.78	42.94	89.85	80.94	81.42	84.89	81.94	84.16	84.99
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *if applicable* [3]	149			296			90				0		
Total Volume Removed from Site (gal) *(Manifested volume)* [3]	905			415			290				100		
Cumulative Total Free Product Removed (gal)	2,869	2,942	2,988	3,015	3,032	3,129	3,160	3,188	3,217	3,249	3,277	3,310	3,343
Extraction, Transportation & Disposal Cost [3]	$ 995.19			$ 1,175.19			$ 1,099.50				$		
Unit Cost per gal [3]	$ 8.26			$ 2.83			$ 5.85				$		
State Manifest Document Number	NJA8289198			NJA8288888			NJA4095590				NJA4095594		

Table 1
L.E. CARPENTER - Wharton, New Jersey
Free Product Recovery - EFR Well # 1 - 28

EFR Event Date / Well No.	EFR #62 26-Mar-02 Feet of Product	EFR #63 10-Apr-02 Feet of Product	EFR #64 06-May-02 Feet of Product	EFR #65 13-Jun-02 Feet of Product	EFR #66 16-Jul-02 Feet of Product	EFR #67 09-Aug-02 Feet of Product	EFR #68 13-Sep-02 Feet of Product	EFR #69 08-Oct-02 Feet of Product	EFR #70 07-Nov-02 Feet of Product	EFR #71 17-Dec-02 Feet of Product	EFR #72 11-Mar-03 Feet of Product	EFR #73 17-Mar-03 Feet of Product	EFR #74 21-Mar-03 Feet of Product	EFR #75 10-Apr-03 Feet of Product	EFR #76 06-May-03 Feet of Product	EFR #77 10-Jun-03 Feet of Product	EFR #78 [12] 08-Jul-03 Feet of Product	EFR #79 07-Aug-03 Feet of Product	EFR #70 09-Sep-03 Feet of Product	EFR #71 03-Oct-03 Feet of Product	EFR #72 06-Nov-03 Feet of Product	EFR #73 31-Dec-03 Feet of Product	EFR #74 13-Jan-04 Feet of Product	EFR #75 25-Feb-04 Feet of Product	EFR #76 30-Mar-04 Feet of Product	EFR #77 16-Apr-04 Feet of Product
EFR-1	0.90	0.77	1.60	1.62	0.65	0.81	1.14	0.63	1.62	1.83	0.69	0.22	0.41	0.69	0.45	0.19	0.49	0.10	0.49	0.69	0.81	0.86	0.09	0.05	0.69	0.19	0.12
EFR-2	1.40	1.20	2.69	2.15	1.69	1.02	0.09	1.27	2.85	6.07	1.95	0.94	1.02	1.40	1.54	2.94	1.51	1.92	1.41	1.75	1.10	1.22	1.10	0.59	0.45	0.47	0.52
EFR-3	1.05	1.09	1.29	1.60	0.25	0.69	0.81	0.91	0.69	0.69	0.70	0.90	0.20	0.07	0.14	0.05	0.09	0.10	0.19	0.18	0.09	0.05	0.05	0.01	0.04	0.14	0.02
EFR-4	0.97	0.69	0.98	1.07	1	0.26	0.11	0.49	2.85	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0	0	0	0	0.00	0.00	0.00	0.00
EFR-5	8.50	8.07	8.25	8.17	2.01	2.00	2.05	1.67	1.69	0.67	2.91	1.19	0.16	0.79	0.49	0.81	0.89	0.69	0.72	0.79	0.81	0.42	0.11	0.22	0.29	0.03
EFR-6	2.80	0.77	0.49	0.27	0.94	0.45	0.82	0.86	8.14	1.63	0.27	0.29	0.27	0.69	0.14	0.49	0.12	0.00	0.16	0.07	0.00	0.22	0.05	0.01	0.02	0.05
EFR-7	0.00	0.00	0.00	0.00	0.00	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-8	0.07	0.10	0.05	0.07	0	0.14	0.29	0.18	0.1	0.25	0.67	0.27	0.88	0.69	0.05	0.11	0.00	0.00	0	0.02	0.09	0.09	0.02	0.07	0.02	0.05
EFR-9	0.62	0.82	0.28	0.11	0.85	0.60	0.19	0.82	0.83	0.25	0.94	0.02	0.82	0.54	0.17	0.10	1.09	0.00	0.02	0.07	0.05	0.09	0.06	0.04	0.26	0.14
EFR-10	6.49	2.77	2.96	6.89	6.16	2.91	2.63	1.95	2.70	2.76	2.45	0.84	0.29	0.94	0.79	1.63	0.54	0.00	2.21	0.92	0.69	0.76	0.16	0.87	0.15	0.19
EFR-11	2.12	0.99	0.67	1.01	1.54	2.09	8.91	2.05	1.69	1.87	2.62	4.69	8.69	1.19	0.69	1.01	0.63	0.19	8.57	1.52	0.70	0.69	0.21	0.29	1.16	0.00
EFR-12	0.10	0.15	0.00	0.06	0.60	0.06	0.83	0.25	0.84	0.64	0.56	0.49	0.92	0.45	0.18	0.84	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00
EFR-13	0.67	0.69	1.71	1.11	0.55	0.26	0.61	0.60	0.55	0.69	0.09	0.11	0.26	0.25	0.12	0.27	0.08	0.12	0.18	0.09	0.08	0.07	0.00	0.01	0.08	0.03
EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-15	0.05	0.00	0.00	0.00	0.80	0.00	0.09	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-17	1.90	0.77	0.75	0.60	0.49	0.67	1.60	0.71	1.10	1.07	0.19	0.09	0.00	0.00	0.09	0.51	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-19	1.07	0.91	0.60	0.05	0.82	0.02	1.56	0.21	0.04	0.94	1.82	1.91	0.04	0.00	0.65	0.01	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.11	0.00	0.00
EFR-18	2.90	2.69	1.94	0.95	1.82	1.45	2.55	0.85	1.80	1.03	0.40	0.80	0.91	1.51	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-20	1.94	1.94	1.74	2.09	1.62	1.58	1.65	1.47	1.77	2.45	2.80	1.89	1.89	2.42	1.00	8.18	2.41	0.00	1.79	2.40	2.59	2.51	1.20	1.18	1.49	0.95
EFR-21	2.25	1.65	2.11	2.61	1.99	1.46	0.02	0.44	0.00	0.00	0.01	2.46	1.95	1.45	2.44	2.69	2.09	2.65	2.19	2.45	1.29	1.09	0.75	1.05	1.08	0.99
EFR-22	0.60	0.69	0.16	0.19	0.92	0.11	0.22	1.69	1.09	0.76	2.60	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-23	0.01	0.70	0.57	0.52	0.60	0.69	0.77	0.59	0.81	0.67	0.62	0.05	0.50	2.24	0.05	0.26	0.04	0.00	0.11	0.10	0.10	0.26	0.02	0.17	0.02	0.03
EFR-24	0.60	1.05	0.99	0.24	1.18	0.19	0.19	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-25	0.75	1.21	0.99	0.29	0.98	0.25	0.95	0.29	0.69	0.69	0.14	0.09	0.05	0.21	0.62	0.00	0.00	0.00	0.05	0.09	0.11	0.00	0.00	0.14	0.00	0.00
EFR-26	1.55	1.67	1.69	1.52	2.42	1.69	1.24	0.59	0.26	0.40	0.69	0.27	0.60	0.18	0.51	0.20	0.15	0.00	0.59	0.59	0.69	0.24	0.25	0.45	0.95	0.67
EFR-27	0.00	0.00	0.69	1.61	1.10	0.04	1.49	2.59	1.77	8.10	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-29	0.21	0.69	0.29	0.65	1.08	0.98	1.22	0.22	0.14	0.29	1.01	0.90	0.61	0.44	0.99	0.80	0.09	0.05	0.05	0.11	0.14	0.15	0.00	NM	NM	NM
MIN (ft)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX (ft)	8.50	8.07	8.25	8.89	8.16	2.91	8.91	2.59	8.14	8.10	2.91	4.69	8.69	2.42	2.44	8.18	2.41	2.65	8.57	2.45	2.59	2.51	1.20	1.05	1.85	0.99
Average (ft)	1.05	0.99	0.99	0.92	0.90	0.69	0.99	0.69	1.00	0.91	0.67	0.61	0.45	0.54	0.89	0.50	0.03	0.18	0.51	0.43	0.80	0.28	0.12	0.22	0.25	0.14
Total Free Product (ft)	29.91	25.91	26.11	25.62	25.11	19.01	25.91	19.49	27.96	25.54	24.47	17.07	12.59	15.15	11.02	14.11	9.20	5.14	14.89	11.99	6.87	7.00	8.49	5.66	6.70	8.65
Total Standing Free Product Volume (gal)	19.88	16.84	16.97	16.79	16.62	12.96	16.84	12.68	18.11	16.60	15.91	11.10	8.19	9.85	7.16	9.17	6.00	8.34	9.65	7.75	5.44	5.14	2.27	8.81	4.36	2.87
Estimated Total Free Product Removed (gal) [1] *(Liquid and Vapor Phase Free Product Volume)*	29.78	61.72	28.10	29.15	25.59	26.19	88.55	28.67	25.65	27.22	68.50	60.89	17.21	27.94	19.05	25.45	21.45	12.02	17.46	22.29	25.49	14.91	14.17	14.58	14.77	14.11
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*	25.16	28.05	26.40	28.05	25.58	24.75	97.18	61.02	28.05	28.05	68.78	61.95	17.98	90.58	18.89	26.40	22.28	14.85	20.69	24.84	29.70	16.50	15.67	28.98	15.68	14.09
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*	5.63	6.15	5.00	6.05	2.49	8.61	6.55	1.88	1.74	1.64	1.89	1.51	0.71	0.94	0.90	2.65	0.00	1.80	0.95	0.84	0.74	0.88	0.58	0.50	1.57	0.91
Liquid Phase Free Product Extraction Volume (gal) *as of Jan 2000*	23.10	25.58	23.10	23.10	23.10	22.69	88.00	26.78	23.98	25.58	67.18	23.98	16.50	26.40	18.15	23.10	21.45	10.79	16.50	21.45	24.75	14.08	18.61	14.08	18.20	18.20
Groundwater Extraction Volume (gal) per each EFR Event [2] *as of Jan 2000*	2.05	2.48	8.60	4.95	2.48	2.05	4.13	4.29	4.13	2.48	1.65	2.48	0.83	4.13	1.24	8.60	0.83	4.13	4.13	2.69	4.95	2.48	2.05	14.85	2.48	0.83
Total EFR Extraction Volume (gal) *(Total Volume: free product + groundwater + product vapor)*	31.79	34.21	31.40	34.10	28.07	28.26	48.68	92.95	29.90	29.70	40.16	92.67	18.04	31.47	20.29	28.75	22.28	16.16	21.59	25.19	30.44	17.69	16.28	29.98	17.25	14.94
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *if applicable* [3]		142				0					828.09															
Total Volume Removed from Site (gal) *(Manifested volume)* [3]		250				105					529								125							
Cumulative Total Free Product Removed (gal)	9,679	9,404	9,439	9,452	9,467	9,518	9,556	9,582	9,607	9,635	9,679	9,709	9,721	9,748	9,767	9,792	9,814	9,826	9,848	9,866	9,891	9,905	9,920	9,935	9,950	9,949
Extraction, Transportation & Disposal Cost [3]	769.25	$ 965.18				$ 951.00					$ 1,944.95								$ 719.94							
Unit Cost per gal [3]	7.69	$ 8.65				$ 9.10					$ 2.54								$ 5.76							
State Manifest Document Number		NJA4065962				NJA4059029 (11)					NJA5010142 (18)								NJA5075895							

Table 1
L.E. CARPENTER - Wharton, New Jersey
Free Product Recovery - EFR Well # 1 - 28

EFR Event Date / Well No.	EFR #78 20-May-04 Feet of Product	EFR #79 17-Jun-04 Feet of Product	EFR #80 6-Jul-04 Feet of Product	EFR #81 12-Aug-04 Feet of Product	EFR #82 17-Sep-04 Feet of Product	1.00	EFR TOTALS
EFR-1	0.09	0.12	0.44	1.01	0.91		
EFR-2	0.64	0.58	0.67	1.16	1.80		
EFR-3	0.04	0.17	0.61	0.89	0.01		
EFR-4	0.00	0.00	0.00	0.00	0.00		
EFR-5	0.01	0.50	0.00	1.81	0.00		
EFR-6	0.00	0.02	0.00	0.24	0.01		
EFR-7	0.00	0.00	0.00	0.00	0.00		
EFR-8	0.00	0.02	0.08	0.01	0.00		
EFR-9	0.00	0.02	0.18	0.02	0.01		
EFR-10	0.02	0.27	0.26	0.89	0.90		
EFR-11	0.01	0.92	1.25	2.02	0.00		
EFR-12	0.00	0.00	0.00	0.00	0.00		
EFR-13	0.06	0.02	0.13	1.21	0.00		
EFR-14	0.00	0.00	0.00	0.00	0.00		
EFR-15	0.00	0.00	0.00	0.00	0.00		
EFR-16	0.00	0.00	0.00	0.00	0.00		
EFR-17	0.00	0.00	0.00	0.00	0.00		
EFR-18	0.00	0.00	0.18	0.03	0.05		
EFR-19	0.00	0.00	0.00	0.04	0.12		
EFR-20	1.20	1.14	1.02	1.43	0.04		
EFR-21	0.01	1.84	1.86	1.68	0.03		
EFR-22	0.00	0.00	0.00	0.00	0.00		
EFR-23	0.00	0.02	0.00	0.02	0.03		
EFR-24	0.00	0.00	0.00	0.00	0.00		
EFR-25	0.00	0.02	0.00	0.10	0.00		
EFR-26	0.64	0.58	0.72	0.78	0.65		
EFR-27	0.00	0.00	0.00	0.00	0.00		
EFR-28	NM	NM	NM	NM	NM		
MIN (ft)	0.00	0.00	0.00	0.00	0.00		
MAX (ft)	1.20	1.84	1.86	2.02	1.80		
Average (ft)	0.09	0.29	0.25	0.49	0.15		
Total Free Product (ft)	2.41	6.24	6.60	11.68	4.07		
Total Standing Free Product Volume (gal)	1.57	4.06	4.42	7.56	2.65		
Estimated Total Free Product Removed (gal) [1] *(Liquid and Vapor Phase Free Product Volume)*	17.59	25.21	14.14	24.82	7.75	49	4,053
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*	21.46	27.28	14.86	28.10	12.98	29	1,622
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*	0.26	2.11	1.78	2.67	0.82	4	237
Liquid Phase Free Product Extraction Volume (gal) *as of Jan 2000*	17.88	26.10	12.88	21.45	7.43	26	1,453
Groundwater Extraction Volume (gal) per each EFR Event [2] *as of Jan 2000*	4.18	4.18	2.48	1.65	4.85	3	169
Total EFR Extraction Volume (gal) *(Total Volume: free product + groundwater + product vapor)*	21.72	29.84	16.62	25.97	12.70	184	15,277
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *If applicable* [3]	147.77					191	4,341
Total Volume Removed from Site (gal) *(Manifested volume)* [3]	298					480	19,195
Cumulative Total Free Product Removed (gal)	8,967	8,974	8,981	8,998	8,989	2,789	231,387
Extraction, Transportation & Disposal Cost [3]				$888.74		$ 1,256.27	$ 54,169.46
Unit Cost per gal [3]				$3.08		$ 3.72	N/A
State Manifest Document Number				NJA5209069		N/A	N/A

TABLE 2
L.E. CARPENTER - WHARTON, NEW JERSEY
REGIONAL APPARENT FREE PRODUCT TRENDS

THROUGH 3rd QUARTER 2004

	EFR Event Date	21-Nov-97	9-Dec-97	7-Jan-98	16-Feb-98	16-Mar-98	27-Mar-98	24-Apr-98	29-May-98	30-Jun-98	31-Jul-98	24-Aug-98	17-Sep-98	22-Oct-98	20-Nov-98	18-Dec-98	13-Jan-99	17-Feb-99	23-Mar-99	19-Apr-99	18-May-99	22-Jun-99	28-Jul-99	27-Aug-99	22-Sep-99	27-Oct-99	30-Nov-99	16-Dec-99	28-Jan-00
Western Region of Free Product	EFR-1	1.64	1.53	1.94	2.48	0.93	0.94	1.42	1.55	2.11	1.26	1.22	1.71	1.59	1.71	1.57	0.53	1.79	3.68	1.13	1.09	1.15	1.49	1.27	1.94	1.63	1.47	1.20	1.22
	EFR-2	1.55	1.50	1.86	2.20	2.96	2.92	2.65	2.44	1.78	1.12	1.09	1.21	1.29	1.51	1.41	0.95	1.40	2.42	1.46	1.22	0.92	1.21	1.00	0.63	1.35	1.28	1.40	0.06
	EFR-3	0.85	1.02	1.27	1.58	1.19	0.03	0.24	0.19	0.77	0.72	0.93	1.03	1.01	1.19	1.18	1.14	1.01	1.63	0.36	0.25	0.86	0.88	1.03	0.74	0.69	0.47	0.02	0.51
	EFR-17	0.04	0.17	1.56	0.17	0.08	0.00	0.09	0.00	0.02	0.37	0.29	0.46	0.56	0.71	0.53	0.26	0.08	0.06	0.06	0.08	0.12	0.39	0.36	0.10	0.06	0.24	0.25	0.11
	EFR-18	0.10	0.10	0.09	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.14	0.48	0.68	0.98	1.08	0.66	0.11	0.00	0.06	0.16	0.46	0.96	1.37	0.61	0.36	0.77	0.05	0.20
	EFR-20	0.40	0.34	0.95	0.27	0.00	0.00	0.04	0.24	0.37	0.65	0.63	0.79	1.24	1.85	2.11	0.65	1.33	0.88	0.43	0.89	0.87	1.59	1.86	0.47	1.92	1.36	0.75	1.08
	EFR-21	2.36	2.40	2.71	2.74	4.14	3.97	4.23	3.98	3.29	1.97	1.87	1.86	1.77	1.67	1.62	1.21	1.43	2.62	2.35	1.49	1.46	1.57	1.04	1.01	2.32	1.40	1.70	1.92
	EFR-28	2.20	2.30	1.78	2.60	3.20	3.48	4.40	3.16	2.61	1.47	1.73	1.69	1.83	1.79	1.74	1.03	1.29	1.71	1.65	1.46	1.25	1.67	1.78	0.38	2.19	0.96	1.42	1.33
	Total Free Product (ft)	9.14	9.36	12.16	12.04	12.50	11.34	13.07	11.56	10.98	7.66	7.90	9.23	9.97	11.41	11.24	6.33	8.44	13.00	7.50	6.64	7.09	9.76	9.71	5.88	10.52	7.95	6.79	6.43
	Total Free Product (gal)	5.86	6.00	7.79	7.72	8.01	7.27	8.38	7.41	7.03	4.91	5.06	6.00	6.48	7.42	7.31	4.11	5.49	8.45	4.88	4.32	4.61	6.34	6.31	3.82	6.84	5.17	4.41	4.18
West-Central Region of Free Product	EFR-4	1.03	2.27	0.54	0.30	0.00	0.00	0.00	0.00	0.03	0.38	1.23	2.40	2.17	1.75	1.79	0.79	0.10	0.14	0.08	0.05	0.03	0.44	0.99	0.51	0.11	0.03	0.58	0.51
	EFR-5	4.03	3.74	4.25	3.29	3.39	1.71	2.71	2.02	1.86	2.38	2.52	2.33	2.52	2.19	2.28	2.68	3.47	6.15	2.65	2.61	2.66	2.66	1.57	1.77	3.23	2.99	1.27	2.95
	EFR-6	0.72	1.00	1.24	2.27	1.71	1.17	2.23	1.55	1.56	1.96	1.56	1.42	1.25	1.29	1.38	0.49	0.84	0.88	0.61	1.07	1.16	1.51	0.91	0.15	0.86	0.63	0.33	1.07
	EFR-7	0.17	0.09	0.16	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.03	0.07	0.05	0.20	0.16	0.02	0.04	0.04	0.07	0.02	0.08	0.28	0.05	0.01	0.07	0.04	0.47	0.15
	EFR-19	0.54	2.80	1.89	1.95	1.63	1.44	0.88	0.65	0.42	0.90	1.26	1.68	1.95	2.31	2.44	1.83	1.68	0.52	0.44	0.52	1.10	2.05	2.02	0.51	1.54	0.84	0.69	1.67
	EFR-22	3.78	4.10	0.05	3.40	4.69	3.42	1.82	1.22	0.96	2.86	2.87	2.97	2.83	2.58	2.27	2.06	0.84	0.34	0.95	1.39	1.93	1.47	1.41	0.17	2.22	1.76	0.53	0.82
	EFR-23	0.00	0.06	0.06	0.02	0.00	0.00	0.00	0.00	0.05	0.11	0.08	0.27	1.03	3.07	2.29	1.55	0.91	0.47	0.22	0.25	0.45	2.13	1.03	0.12	0.53	0.64	0.24	0.23
	EFR-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.03	0.12	0.14	0.38	0.06	0.00	0.00	0.00	0.08	0.08	0.05	0.00	0.00	0.04	0.13	0.11
	EFR-25	2.95	3.00	3.55	4.15	3.11	0.72	0.82	0.79	0.78	0.60	0.41	0.29	0.41	1.33	1.58	1.05	1.75	1.19	1.08	0.76	0.54	1.74	1.48	0.21	0.39	0.19	0.05	0.31
	EFR-26	2.20	2.05	2.66	2.30	2.12	1.43	1.32	1.95	1.21	2.06	1.58	1.17	1.24	1.08	1.09	0.73	0.55	0.45	0.75	1.29	1.28	1.23	0.72	0.29	0.52	0.94	0.59	1.54
	EFR-27	0.15	0.02	2.71	0.74	0.00	0.00	0.03	0.00	0.02	0.33	0.45	1.49	0.54	0.47	0.51	0.09	0.12	0.00	0.00	0.02	0.03	0.17	0.21	0.06	0.01	0.01	0.01	0.02
	Total Free Product (ft)	15.57	19.13	17.11	18.42	16.65	9.89	9.81	8.18	6.91	11.60	11.99	14.09	14.02	16.39	15.93	11.61	10.36	10.16	6.85	7.98	9.34	13.76	10.44	3.80	9.48	8.11	4.89	9.38
	Total Free Product (gal)	9.98	12.26	10.97	11.81	10.67	6.34	6.29	5.24	4.43	7.44	7.69	9.16	9.11	10.65	10.35	7.55	6.73	6.62	4.45	5.19	6.07	8.94	6.79	2.47	6.16	5.27	3.18	6.10
East-Central Region of Free Product	EFR-8	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.03	0.04	0.08	0.13	0.09	0.07	0.03	0.12	0.00	0.03	0.03	0.03	0.09	0.39	0.27	0.09	0.13	0.05	0.11	0.05
	EFR-9	0.00	1.10	1.79	0.16	3.08	0.08	0.07	0.11	0.29	0.61	0.98	1.23	1.31	1.26	1.86	0.74	0.49	0.06	0.11	0.32	0.49	1.16	0.56	0.41	0.28	0.10	0.16	0.13
	EFR-10	5.20	5.80	6.42	7.47	7.06	6.05	6.71	5.47	5.68	4.94	4.52	4.34	4.38	3.98	3.99	3.68	5.79	5.52	4.97	4.23	3.71	3.83	2.47	3.02	5.18	3.95	3.07	4.50
	EFR-11	3.07	4.04	4.28	4.47	4.32	4.67	5.91	5.73	6.08	4.73	4.47	3.95	4.06	3.65	3.52	2.42	4.69	2.84	2.02	2.48	3.28	2.78	1.57	1.93	3.20	3.11	1.07	3.44
	EFR-12	0.04	0.03	0.00	0.07	0.00	0.00	0.00	0.02	0.28	0.22	0.28	0.24	0.15	0.29	0.17	0.04	0.11	0.05	0.02	0.02	0.10	0.30	0.20	0.03	0.09	0.67	0.01	0.03
	EFR-13	0.48	0.56	1.33	1.28	1.07	1.07	0.67	0.00	0.90	0.56	0.48	0.66	0.82	1.13	1.30	0.22	1.19	0.15	0.49	0.50	0.44	1.33	1.01	0.74	0.78	0.57	0.26	0.36
	Total Free Product (ft)	8.79	11.53	13.82	13.53	15.53	11.87	13.36	11.33	13.26	11.10	10.81	10.55	10.81	10.38	10.87	7.22	12.27	8.65	7.64	7.58	8.11	9.59	6.08	6.22	9.66	8.45	4.67	8.51
	Total Free Product (gal)	5.63	7.39	8.86	8.67	9.95	7.61	8.56	7.26	8.50	7.12	6.93	6.86	7.03	6.75	7.07	4.69	7.98	5.62	4.97	4.93	5.27	6.23	3.95	4.04	6.28	5.49	3.04	5.53
Eastern Region of Free Product	EFR-14	0.10	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-15	0.09	0.12	0.27	0.06	0.00	0.00	0.00	0.00	0.03	0.02	0.03	0.03	0.12	0.12	0.32	0.11	0.07	0.01	0.01	0.00	0.00	0.00	0.13	0.04	0.02	0.08	0.02	0.02
	EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (ft)	0.19	0.28	0.27	0.06	0.00	0.00	0.00	0.00	0.03	0.02	0.03	0.03	0.12	0.12	0.32	0.11	0.07	0.01	0.01	0.00	0.00	0.00	0.13	0.04	0.02	0.08	0.02	0.02
	Total Free Product (gal)	0.12	0.18	0.17	0.04	0.00	0.00	0.00	0.00	0.02	0.01	0.02	0.02	0.08	0.08	0.21	0.07	0.04	0.01	0.01	0.00	0.00	0.00	0.08	0.03	0.01	0.05	0.01	0.01
TOTAL APPARENT FREE PRODUCT VOLUME (GAL)		21.60	25.83	27.79	28.24	28.64	21.22	23.23	19.92	19.97	19.47	19.70	22.03	22.70	24.89	24.93	16.42	20.24	20.70	14.30	14.43	15.95	21.82	17.13	10.36	19.29	15.98	10.64	15.82

TABLE 2
L.E. CARPENTER - WHARTON, NEW JERSEY
REGIONAL APPARENT FREE PRODUCT TRENDS

	EFR Event Date	18-Feb-00	24-Mar-00	19-Apr-00	18-May-00	16-Jun-00	18-Jul-00	17-Aug-00	18-Sep-00	25-Oct-00	17-Nov-00	15-Dec-00	15-Mar-01	23-Apr-01	25-May-01	13-Jun-01	27-Jul-01	24-Aug-01	25-Sep-01	25-Oct-01	20-Nov-01	31-Dec-01	29-Jan-02	20-Feb-02	26-Mar-02	10-Apr-02	6-May-02	13-Jun-02	15-Jul-02
Western Region of Free Product	EFR-1	0.85	1.86	1.59	1.54	2.10	1.51	1.26	1.53	1.00	1.07	1.14	2.91	1.25	1.02	1.14	0.57	0.80	1.29	1.60	1.51	1.57	2.07	1.93	0.90	0.77	1.60	1.92	0.65
	EFR-2	1.04	2.25	2.00	1.64	1.89	1.40	0.36	1.08	0.97	1.09	0.76	2.92	2.66	1.75	2.26	1.22	1.17	1.22	1.14	1.15	1.19	1.37	1.33	1.40	1.20	2.39	2.15	1.33
	EFR-3	0.07	0.08	0.09	0.62	1.02	0.25	0.02	0.08	0.44	0.43	0.46	0.33	0.29	0.49	0.70	0.40	0.66	0.51	0.81	0.76	0.80	0.70	0.78	1.05	1.09	1.28	1.53	0.25
	EFR-17	0.32	0.04	0.16	0.65	0.04	0.01	0.02	0.09	0.06	0.36	0.01	0.41	0.31	0.51	0.28	0.02	0.49	0.34	0.85	0.97	1.57	1.43	2.23	1.90	0.77	0.75	0.60	0.43
	EFR-18	0.05	0.12	0.04	0.32	0.01	0.06	0.16	0.08	0.31	0.31	0.20	3.27	1.35	0.43	0.31	0.01	0.13	0.41	0.69	0.75	1.22	1.90	1.00	1.07	0.81	0.80	0.05	0.32
	EFR-20	2.58	0.64	0.42	0.54	0.33	0.30	0.39	0.45	0.54	0.11	0.37	0.24	0.97	0.52	0.31	0.08	0.32	0.24	0.73	1.10	1.29	1.78	0.46	1.24	1.24	1.74	2.03	1.62
	EFR-21	1.34	3.04	2.86	2.47	3.02	2.09	1.62	2.75	1.79	1.65	1.37	4.09	3.51	2.96	2.61	1.98	1.61	1.87	1.58	1.38	1.54	1.51	1.50	2.25	1.65	2.11	2.51	1.98
	EFR-28	1.00	2.30	2.42	1.81	2.68	1.72	2.48	2.02	1.39	1.36	0.64	2.81	2.75	1.86	2.34	1.36	1.67	1.05	1.50	1.38	1.51	1.67	1.86	0.21	0.63	0.29	0.35	1.08
	Total Free Product (ft)	7.25	10.33	9.58	9.59	11.09	7.34	6.31	8.08	6.50	6.38	4.95	16.98	13.09	9.54	9.95	5.64	6.85	6.93	8.90	9.00	10.69	12.43	11.09	10.02	8.16	10.98	11.14	7.66
	Total Free Product (gal)	4.71	6.71	6.23	6.23	7.21	4.77	4.10	5.25	4.23	4.15	3.22	11.04	8.51	6.20	6.47	3.67	4.45	4.50	5.79	5.85	6.95	8.08	7.21	6.51	5.30	7.12	7.24	4.98
West-Central Region of Free Product	EFR-4	0.48	0.11	0.11	0.41	0.22	0.05	0.02	0.02	0.02	0.05	0.21	0.59	1.65	0.01	0.44	0.02	1.86	0.11	0.57	0.68	0.54	0.26	1.13	0.37	0.89	0.98	1.07	1.00
	EFR-5	2.46	2.91	2.54	1.84	2.34	1.99	1.69	1.57	2.74	2.47	2.76	5.95	1.75	1.90	0.62	2.24	2.05	2.25	2.55	2.10	2.67	2.66	2.68	3.60	3.07	3.25	2.17	2.01
	EFR-6	0.77	0.29	0.31	0.49	0.27	0.54	0.29	0.55	0.83	0.79	0.96	2.05	0.32	0.43	0.16	0.46	0.49	0.37	1.13	1.56	1.23	0.71	2.21	2.30	0.77	0.43	0.27	0.54
	EFR-7	0.02	0.35	0.01	0.02	-	-	0.01	-	0.01	0.01	0.01	0.28	0.02	0.02	0.00	0.00	0.16	0.00	0.05	0.08	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-19	1.73	0.26	0.60	0.98	0.17	0.63	0.34	0.22	0.87	0.59	1.42	2.32	0.65	1.98	1.01	0.44	1.19	0.54	2.15	2.36	2.38	2.26	3.22	2.90	2.69	1.34	0.95	1.82
	EFR-22	0.58	0.09	0.16	0.05	0.05	0.01	0.18	0.06	0.53	2.14	1.50	0.81	0.06	0.43	0.00	0.00	0.47	0.57	1.22	1.53	1.93	0.98	0.63	0.80	0.39	0.16	0.19	0.32
	EFR-23	0.31	0.46	0.06	0.06	0.01	0.13	0.03	0.07	0.07	0.08	0.39	0.07	0.03	0.88	0.28	0.05	0.34	0.07	0.85	2.67	0.75	0.98	1.13	0.01	0.70	0.57	0.52	0.60
	EFR-24	0.07	0.58	0.02	0.03	-	-	-	0.01	0.01	0.01	0.04	2.27	0.05	0.34	0.01	0.01	0.27	0.14	0.35	0.38	0.34	0.47	2.65	0.60	1.35	0.33	0.24	1.18
	EFR-25	0.39	0.58	0.21	0.10	0.03	0.10	0.03	0.10	0.19	0.12	0.10	0.04	0.39	0.28	0.14	0.03	0.47	0.09	0.43	0.63	0.64	0.82	0.99	0.76	1.21	0.33	0.29	0.36
	EFR-26	1.10	1.33	1.68	2.02	1.44	2.25	1.38	2.01	2.05	1.78	1.10	2.64	2.56	2.68	1.48	2.24	1.07	1.20	1.45	1.22	1.13	1.14	0.87	1.55	1.67	1.83	1.92	2.42
	EFR-27	0.14	0.20	0.01	0.03	0.04	0.01	0.01	0.15	0.01	0.01	0.01	0.48	0.05	0.04	0.00	0.01	0.04	0.00	0.52	0.49	0.13	0.53	0.32	0.00	0.00	0.38	1.31	1.10
	Total Free Product (ft)	8.05	7.16	5.71	6.03	4.57	5.71	3.98	4.76	7.33	8.05	8.50	17.50	7.53	8.99	4.14	5.50	8.41	5.34	11.27	13.70	11.98	10.81	15.83	12.78	12.74	9.60	8.93	11.35
	Total Free Product (gal)	5.23	4.65	3.71	3.92	2.97	3.71	2.59	3.09	4.76	5.23	5.53	11.38	4.89	5.84	2.69	3.58	5.47	3.47	7.33	8.91	7.79	7.03	10.29	8.31	8.28	6.24	5.80	7.38
East-Central Region of Free Product	EFR-8	0.06	0.08	0.03	0.05	0.03	0.02	0.01	0.01	0.16	0.02	0.06	0.03	0.05	0.04	0.03	0.01	0.18	0.00	0.18	0.16	0.22	0.01	0.04	0.07	0.10	0.05	0.07	0.00
	EFR-9	0.08	0.19	0.02	0.06	0.06	0.12	0.16	0.08	0.02	0.50	0.77	0.57	0.07	0.56	0.07	0.14	0.27	0.39	0.56	0.85	0.32	0.29	0.45	0.32	0.32	0.28	0.11	0.35
	EFR-10	3.55	3.50	4.50	1.36	2.50	3.09	0.75	2.76	3.88	3.27	4.05	5.64	3.17	3.52	3.32	3.73	2.30	2.62	2.70	2.61	2.91	2.02	3.32	3.48	2.77	2.64	3.39	3.16
	EFR-11	4.95	2.41	2.95	2.93	2.49	4.12	0.79	4.73	4.26	4.00	3.73	2.82	2.41	3.56	2.60	3.91	2.37	3.86	3.22	2.44	2.90	2.89	2.58	2.12	0.99	0.87	1.01	1.54
	EFR-12	0.49	0.46	0.10	0.19	0.01	0.01	0.00	0.03	0.11	0.04	0.02	0.07	0.02	0.25	0.01	0.01	0.23	0.00	0.00	0.34	0.21	0.26	0.11	0.10	0.15	0.00	0.06	0.30
	EFR-13	0.34	0.48	0.47	0.69	0.65	0.73	0.49	0.22	0.25	0.09	0.15	1.14	0.27	0.78	0.26	0.39	0.47	0.38	0.46	0.88	0.44	0.84	0.44	0.87	0.68	1.71	1.11	0.55
	Total Free Product (ft)	9.47	7.12	8.07	5.28	5.84	8.09	2.20	7.83	8.68	7.92	8.78	10.27	5.99	8.71	6.29	8.19	5.82	7.25	7.12	7.28	7.00	6.31	8.94	6.96	5.01	5.55	5.75	5.90
	Total Free Product (gal)	6.16	4.63	5.25	3.43	3.87	5.26	1.43	5.09	5.64	5.15	5.71	6.68	3.89	5.66	4.09	5.32	3.78	4.71	4.63	4.73	4.55	4.10	4.51	4.52	3.26	3.61	3.74	3.84
Eastern Region of Free Product	EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-15	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.20
	EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (ft)	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.20
	Total Free Product (gal)	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.13
TOTAL APPARENT FREE PRODUCT VOLUME (GAL)		16.11	16.00	15.20	13.59	13.85	13.74	8.12	13.44	14.63	14.53	14.45	29.09	17.30	17.71	13.25	12.56	13.70	12.69	17.74	19.51	19.29	19.21	22.01	19.38	16.84	16.97	16.78	16.32

TABLE 2
L.E. CARPENTER - WHARTON, NEW JERSEY
REGIONAL APPARENT FREE PRODUCT TRENDS

	EFR Event Date	8-Aug-02	13-Sep-02	8-Oct-02	7-Nov-02	17-Dec-02	11-Mar-03	17-Mar-03	24-Mar-03	10-Apr-03	8-May-03	10-Jun-03	8-Jul-03	7-Aug-03	9-Sep-03	9-Oct-03	6-Nov-03	31-Dec-03	13-Jan-04	25-Feb-04	30-Mar-04	16-Apr-04	20-May-04	17-Jun-04	8-Jul-04	12-Aug-04	17-Sep-04
							3 EFR events in March of 1Q03 due to snow and ice cover in Jan and Feb 03																				
Western Region of Free Product	EFR-1	0.81	1.14	0.83	1.62	1.33	0.68	0.22	0.41	0.45	0.19	0.48	0.13	0.49	0.69	0.83	0.26	0.09	0.05	0.28	0.19	0.12	0.08	0.12	0.44	1.01	0.91
	EFR-2	1.02	0.09	1.27	2.86	3.07	1.96	0.94	1.02	1.40	1.54	2.34	1.61	1.32	1.41	1.75	1.22	1.10	0.59	0.45	0.47	0.52	0.64	0.58	0.87	1.16	1.30
	EFR-3	0.89	0.81	0.91	0.98	0.88	0.70	0.30	0.20	0.07	0.14	0.05	0.08	0.10	0.19	0.13	0.08	0.05	0.01	0.01	0.14	0.02	0.04	0.17	0.31	0.28	0.01
	EFR-17	0.67	1.50	0.71	1.10	1.07	0.18	0.03	0.00	0.00	0.39	0.51	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-18	0.02	1.56	0.21	0.04	0.84	1.32	1.31	0.04	0.00	0.66	0.01	0.00	0.00	0.08	0.11	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.18	0.03	0.05
	EFR-20	1.58	1.85	1.47	1.77	2.45	2.30	1.88	1.33	2.42	1.00	3.18	2.41	0.00	1.78	2.40	2.59	2.51	1.20	1.13	1.43	0.96	1.20	1.14	1.02	1.43	0.04
	EFR-21	1.46	0.02	0.44	0.00	0.00	0.01	2.43	1.95	1.45	2.44	2.39	2.03	2.55	2.19	2.45	1.23	1.08	0.75	1.95	1.85	0.99	0.01	1.84	1.36	1.63	0.03
	EFR-28	0.38	1.22	0.22	0.14	0.28	1.04	0.30	0.61	0.44	0.38	0.30	0.09	0.08	0.06	0.11	0.14	0.15	0.00	0.00	NM	NM	NM	NM	NM	NM	NM
	Total Free Product (ft)	6.83	8.19	6.06	8.51	9.92	8.19	7.41	5.56	6.23	6.74	9.26	6.36	4.54	6.40	7.78	5.52	4.98	2.60	3.93	4.08	2.61	1.97	3.85	4.18	5.54	2.34
	Total Free Product (gal)	4.44	5.32	3.94	5.53	6.45	5.32	4.82	3.61	4.05	4.38	6.02	4.13	2.95	4.16	5.06	3.59	3.24	1.69	2.55	2.65	1.70	1.28	2.50	2.72	3.60	1.52
West-Central Region of Free Product	EFR-4	0.26	0.11	0.43	2.86	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-5	2.00	2.05	1.67	1.68	0.37	2.91	1.19	0.16	0.79	0.49	0.81	0.29	0.29	0.72	0.73	0.51	0.42	0.11	0.22	0.28	0.08	0.01	0.50	0.00	1.31	0.00
	EFR-6	0.45	0.62	0.38	3.14	1.63	0.27	0.29	0.27	0.39	0.14	0.43	0.12	0.00	0.16	0.07	0.00	0.22	0.06	0.01	0.02	0.05	0.00	0.02	0.00	0.24	0.01
	EFR-7	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-19	1.55	2.55	0.35	1.30	1.03	0.40	0.80	0.31	1.51	0.52	0.09	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.12
	EFR-22	0.11	0.22	1.39	1.09	0.76	2.60	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-23	0.38	0.77	0.53	0.81	0.67	0.82	0.06	0.50	2.24	0.05	0.26	0.04	0.00	0.11	0.10	0.10	0.26	0.02	0.17	0.02	0.08	0.00	0.02	0.00	0.02	0.03
	EFR-24	0.19	0.13	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-25	0.25	0.35	0.28	0.33	0.69	0.14	0.09	0.05	0.21	0.32	0.00	0.00	0.00	0.06	0.03	0.11	0.00	0.00	0.14	0.00	0.00	0.00	0.02	0.00	0.10	0.00
	EFR-26	1.69	1.24	0.59	0.28	0.40	0.33	0.27	0.30	0.18	0.51	0.20	0.15	0.00	0.93	0.58	0.33	0.24	0.25	0.45	0.68	0.37	0.34	0.58	0.72	0.73	0.66
	EFR-27	0.04	1.43	2.53	1.77	3.10	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (ft)	7.03	9.48	8.31	13.27	9.17	9.96	3.24	1.59	5.32	2.03	1.79	0.60	0.29	2.01	1.53	1.05	1.14	0.44	0.99	0.98	0.58	0.35	1.14	0.72	2.44	0.82
	Total Free Product (gal)	4.57	6.16	5.40	8.63	5.96	6.47	2.11	1.03	3.46	1.32	1.16	0.39	0.19	1.31	0.99	0.68	0.74	0.29	0.64	0.64	0.38	0.23	0.74	0.47	1.59	0.53
East-Central Region of Free Product	EFR-8	0.14	0.28	0.18	0.10	0.25	0.37	0.27	0.23	0.33	0.05	0.11	0.00	0.00	0.00	0.02	0.03	0.03	0.02	0.07	0.02	0.05	0.00	0.02	0.08	0.01	0.00
	EFR-9	0.30	0.19	0.32	0.33	0.25	0.24	0.02	0.32	0.54	0.17	0.10	1.03	0.00	0.02	0.07	0.06	0.03	0.06	0.04	0.26	0.14	0.00	0.02	0.18	0.02	0.01
	EFR-10	2.31	2.83	1.95	2.70	2.76	2.45	0.84	0.28	0.84	0.79	1.33	0.54	0.00	2.21	0.92	0.93	0.76	0.16	0.37	0.15	0.19	0.02	0.27	0.26	0.39	0.90
	EFR-11	2.08	3.91	2.06	1.88	1.87	2.62	4.69	3.83	1.19	0.99	1.01	0.66	0.19	3.57	1.52	0.70	0.89	0.21	0.29	1.18	0.00	0.01	0.92	1.25	2.02	0.00
	EFR-12	0.06	0.33	0.25	0.24	0.64	0.56	0.49	0.52	0.45	0.13	0.24	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-13	0.26	0.61	0.30	0.55	0.68	0.08	0.11	0.26	0.25	0.12	0.27	0.03	0.12	0.18	0.09	0.08	0.07	0.00	0.01	0.03	0.08	0.06	0.02	0.13	1.21	0.00
	Total Free Product (ft)	5.15	8.15	5.06	5.80	6.45	6.32	6.42	5.44	3.60	2.25	3.06	2.27	0.31	5.98	2.62	1.80	1.78	0.45	0.94	1.64	0.46	0.09	1.25	1.90	3.65	0.91
	Total Free Product (gal)	3.35	5.30	3.29	3.77	4.19	4.11	4.17	3.54	2.34	1.46	1.99	1.48	0.20	3.89	1.70	1.17	1.16	0.29	0.61	1.07	0.30	0.06	0.81	1.24	2.37	0.59
Eastern Region of Free Product	EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-15	0.00	0.09	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (ft)	0.00	0.09	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (gal)	0.00	0.06	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL APPARENT FREE PRODUCT VOLUME (GAL)		12.38	16.84	12.63	18.11	16.60	15.91	11.10	8.18	9.85	7.16	9.17	6.00	3.34	9.35	7.75	5.44	5.14	2.27	3.81	4.36	2.37	1.57	4.06	4.42	7.56	2.65

TABLE 10
L.E. CARPENTER - Wharton, New Jersey
Surface Water Monitoring Data

	ROCKAWAY RIVER			INFILTRATION GALLERY														
	SW-1	SW-2	SW-3	SW-4	SW-5											SW-6		
SAMPLING DATE	03/14/89 (1)	03/14/89 (1)	03/14/89 (1)	03/14/89 (1)(6)	08/02/89 (1)	5/29/98 (5)	06/06/02	11/21/02	03/20/03	06/02/03	08/20/03	11/18/03	02/24/04	06/14/04	08/11/04	03/14/89 (1)	08/27/90	5/29/98 (5)
VOLATILE ORGANIC COMPOUNDS (ug/l) (4)																		
Methylene Chloride	J 1	ND	ND	ND	JP 3.8	ND	NA	NA	NA	NA	NA	NA	NA	NS	NA	J 3.8	(2) ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	J 3.7	0.4	NA	NA	NA	NA	NA	NA	NA	NS	NA	ND	ND	0.5
Ethylbenzene	ND	ND	ND	ND	J 3.5	ND	NA	< 0.18	< 0.2	< 0.2	< 0.2	< 0.2	J 0.3	NS	< 0.2	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NS	NA	J 1.2	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NS	NA	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	44	ND	ND	< 0.2	< 0.6	< 0.6	< 0.6	< 0.6	J 1.9	NS	< 0.6	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	1	< 0.24	< 0.2	< 0.2	J 0.4	< 0.2	< 0.2	NS	1.5	ND	ND	ND
1,1,2-Trichloro-2,2,1-Triflouroethane	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NS	NA	ND	ND	ND
Benzene							ND	< 0.22	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NS	< 0.2			
BASE NEUTRAL COMPOUNDS (ug/l) (4)																		
Di-n-butyl phthalate (3)	JP 3.2	JP 3.7	JP 3.6	JP 3.5	ND	ND	NA	NA	NA	NA	NA	NA	NA	NS	NA	JP 4	NA	ND
bis(2-Ethylhexyl) phthalate	ND	ND	ND	J 7.2	ND	ND	ND	B 0.3	< 1	< 1	J 3	< 1	J 2	NS	J 2	ND	J(2) 7	ND
METALS (ug/l) (4)																		
Antimony	ND	ND	ND	J 22.8	ND	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	ND	NA	NA
Arsenic	ND	ND	J 2.4	ND	10	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	15.9	NA	NA
Cadmium	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	J 22.2	NA	NA
Chromium	ND	ND	J 8	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	231	NA	NA
Copper	J 16.7	J 5.3	J 22.1	J 6.7	ND	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	405	NA	NA
Lead	20.7	ND	87.2	J 2.7	6	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	1340	NA	NA
Mercury	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	2.8	NA	NA
Nickel	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	J 60.8	NA	NA
Selenium	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	7.1	NA	NA
Zinc	96.4	J 4.2	152	23	60	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	2370	NA	NA
POLYCHLORINATED BIPHENYLS (PCBs) (ug/l) (6)																		
Arochlor-1016	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA
Arochlor-1221	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA
Arochlor-1232	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA
Arochlor-1242	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA
Arochlor-1248	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA
Arochlor-1254	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA
Arochlor-1260	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA

LEGEND

ug/L = micrograms per liter
SW = Surface water sample (Roy F. Weston nomenclature)
ND: No Detection
NA: Not Analysed
Concentration data in BOLD above detection level
B: Compound detected in lab blank.

LABORATORY QUALIFIERS

J: Detected below reporting limit or is an estimated concentration
P: Compound detected in laboratory method blank
B: Analyte found in laboratory blank as well as sample

NOTES

(1) NJDEP Tier 1 sample holding time was exceeded
(2) Compound detected in method blank. Sample concentration < 3x conc. in method blank
Per Tier 1 guidelines the result is negated
(3) All concentrations later negated by NJDEP
(4) Only those parameters listed showed concentrations above ND.
All other parameters were either ND or NA.
(5) Sampling performed by RMT per NJDEP request letter dated Jan 28, 1998
VOCs and Base Neutrals ONLY (EPA 624 and 625 respectively)
(6) The PCB sample (SW-4) was collected May 9, 1989
(7) Surface water samples were not collected during 2nd quarter 2004 because there
was no existing access agreement with Air Products at the time of sampling

Sediment Sampling Information

1989 GeoEngineering/Roy F. Weston sampling November 1989: VO+15 (EPA 624), BN+15 (EPA 625); PP Metals (EPA 200 series), PCBs (SW-4 only) (EPA 608)
PP Metals (EPA 200 series), PCBs (SW/SS-4 only) (for SW sample EPA 608, for SS EPA 8080)
SW-1: Background sample location in Washington Forge Pond
SW-2: Assess impact on Rockaway River. Located immediately adjacent to Bldg. 12
SW-3: Assess impact on Rockaway River. Located dowNAtream of former impoundment area
SW-4: Located in former infiltration gallery between former impoundment area and tank farm
SW-5: Located in the drainage ditch between LEC and Air Products
SW-6: Located in a drainage feature in NE corner, up by former Starch drying beds. Potential floor drain and non-contact cooling water impacts

1990 Roy F. Weston Supplemental RI (November 1990)
SW-7: Former outfall from northeast corner starch drying beds. (VOC+10, BN+10, PCB)
SW-8: Bend in drainage ditch. Assess downgradient quality of drainAge ditch (VOC+10)
SW-9: Junction of ditch and Rockaway River. Assess impact of ditch on river quality. (VOC+10, BN+10, PCB)
SW-10: Rockaway River south of MW-4. Assess impact of site on contaminants of Rockaway River. (VOC+10, TAL Metals)

2002 Sampling performed by RMT pre the NJDEP letter dated May 31, 2002 [NJDEP/EPA review of Quarterly Monitoring Report - 1st Quarter 2002
During 3Q02 sampling event only SW-8 location sampled due drought conditions.

TABLE 10
L.E. CARPENTER - Wharton, New Jersey
Surface Water Monitoring Data

	DRAINAGE DITCH								
	SW-7								
SAMPLING DATE	06/06/02	11/21/02	03/20/03	06/02/03	08/20/03	11/18/03	02/24/04	06/14/04	08/11/04
VOLATILE ORGANIC COMPOUNDS (ug/l) [4]									
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NS	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NS	NA
Ethylbenzene	ND	< 0.18	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NS	< 0.2
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NS	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NS	NA
Total Xylenes	ND	< 0.2	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	NS	< 0.6
Toluene	ND	< 0.24	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NS	1.4
~~1,1,2-Trichloro-2,2,1-Triflouroethane~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NS~~	~~NA~~
Benzene	ND	< 0.22	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NS	< 0.2
BASE NEUTRAL COMPOUNDS (ug/l) [4]									
Di-n-butyl phthalate [3]	NA	NA	NA	NA	NA	NA	NA	NS	NA
bis(2-Ethylhexyl) phthalate	ND	B 0.4	< 1	< 1	J 1	J 3	< 1	NS	J 4
METALS (ug/l) [4]									
Antimony	NA	NA	NA	NA	NA	NA	NA	NS	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NS	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NS	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NS	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NS	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NS	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NS	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NS	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NS	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NS	NA
POLYCHLORINATED BIPHENYLS (PCBs) (ug/l) [6]									
Arochlor-1016	NA	NA	NA	NA	NA	NA	NA	NS	NA
Arochlor-1221	NA	NA	NA	NA	NA	NA	NA	NS	NA
Arochlor-1232	NA	NA	NA	NA	NA	NA	NA	NS	NA
Arochlor-1242	NA	NA	NA	NA	NA	NA	NA	NS	NA
Arochlor-1248	NA	NA	NA	NA	NA	NA	NA	NS	NA
Arochlor-1254	NA	NA	NA	NA	NA	NA	NA	NS	NA
Arochlor-1260	NA	NA	NA	NA	NA	NA	NA	NS	NA

	SW-8								
SAMPLING DATE	08/27/90	5/29/98 [5]	06/06/02	08/14/02	11/21/02	03/20/03	06/02/03	08/20/03	11/18/03
VOLATILE ORGANIC COMPOUNDS (ug/l) [4]									
Methylene Chloride	[2] ND	ND	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ND	ND	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ND	ND	ND	< 0.18	< 0.18	J 0.91	J 0.2	< 0.2	< 0.2
Chlorobenzene	ND	ND	NA	NA	NA	NA	NA	NA	NA
Acetone	ND	ND	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	ND	ND	ND	0.43	0.32	J 2.7	J 1.2	< 0.6	J 1.2
Toluene	ND	ND	1	0.54	< 0.24	< 0.2	< 0.2	< 0.2	< 0.2
~~1,1,2-Trichloro-2,2,1-Triflouroethane~~	ND	ND	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~
Benzene			ND	< 0.22	< 0.22	< 0.2	< 0.2	< 0.2	< 0.2
BASE NEUTRAL COMPOUNDS (ug/l) [4]									
Di-n-butyl phthalate [3]	NA	ND	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl) phthalate	NA	ND	0.6	1.3	B 0.4	< 1	< 1	J 4	< 1
METALS (ug/l) [4]									
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCHLORINATED BIPHENYLS (PCBs) (ug/l) [6]									
Arochlor-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA

LEGEND

ug/L = micrograms per liter

SW = Surface water sample (Roy F. Weston nomenclature)

ND: No Detection

NA: Not Analysed

Concentration data in **BOLD** above detection level

B: Compound detected in lab blank.

LABORATORY QUALIFIERS

J: Detected below reporting limit or is an estimated concentration

P: Compound detected in laboratory method blank

B: Analyte found in laboratory blank as well as sample

TABLE 10
L.E. CARPENTER - Wharton, New Jersey
Surface Water Monitoring Data

				ROCKAWAY RIVER	
				SW-9	SW-10
SAMPLING DATE	02/24/04	06/14/04	08/11/04	08/28/90	08/28/90
VOLATILE ORGANIC COMPOUNDS (ug/l) [4]		NS	NS		
Methylene Chloride	NA	NS	NS	[2] ND	[2] ND
1,1,1-Trichloroethane	NA	NS	NS	ND	ND
Ethylbenzene	J 0.8	NS	NS	ND	ND
Chlorobenzene	NA	NS	NS	ND	ND
Acetone	NA	NS	NS	ND	ND
Total Xylenes	6.8	NS	NS	ND	ND
Toluene	< 0.2	NS	NS	ND	ND
1,1,2-Trichloro-2,2,1-Triflouroethane	NA	NS	NS	ND	ND
Benzene	< 0.2	NS	NS		
BASE NEUTRAL COMPOUNDS (ug/l) [4]					
Di-n-butyl phthalate [3]	NA	NS	NS	NA	NA
bis(2-Ethylhexyl) phthalate	< 1	NS	NS	J[2] 6	NA
METALS (ug/l) [4]					
Antimony	NA	NS	NS	NA	ND
Arsenic	NA	NS	NS	NA	J 3.9
Cadmium	NA	NS	NS	NA	ND
Chromium	NA	NS	NS	NA	ND
Copper	NA	NS	NS	NA	ND
Lead	NA	NS	NS	NA	J 4.6
Mercury	NA	NS	NS	NA	ND
Nickel	NA	NS	NS	NA	ND
Selenium	NA	NS	NS	NA	ND
Zinc	NA	NS	NS	NA	J 5.4
POLYCHLORINATED BIPHENYLS (PCBs) (ug/l) [6]					
Arochlor-1016	NA	NS	NS	NA	NA
Arochlor-1221	NA	NS	NS	NA	NA
Arochlor-1232	NA	NS	NS	NA	NA
Arochlor-1242	NA	NS	NS	NA	NA
Arochlor-1248	NA	NS	NS	NA	NA
Arochlor-1254	NA	NS	NS	NA	NA
Arochlor-1260	NA	NS	NS	NA	NA

LEGEND
ug/L = micrograms per liter
SW = Surface water sample (Roy F. Weston nomenclature)
ND: No Detection
NA: Not Analysed
Concentration data in BOLD above detection level
B: Compound detected in lab blank.

LABORATORY QUALIFIERS
J: Detected below reporting limit or is an estimated concentration
P: Compound detected in laboratory method blank
B: Analyte found in laboratory blank as well as sample

Table 1
L.E. CARPENTER - Wharton, New Jersey
Free Product Recovery - EFR Well # 1 - 28

EFR Event Date / Well No.	Development 21-Nov-97 Feet of Product	EFR #1 08-Dec-97 Feet of Product	EFR #2 07-Jan-98 Feet of Product	EFR #3 22-Jan-98 Feet of Product	EFR #4 17-Feb-98 Feet of Product	EFR #5 18-Mar-98 Feet of Product	EFR #6 27-Mar-98 Feet of Product	EFR #7 24-Apr-98 Feet of Product	EFR #8 29-May-98 Feet of Product	EFR #9 30-Jun-98 Feet of Product	EFR #10 31-Jul-98 Feet of Product	EFR #11 (10) 24-Aug-98 Feet of Product	EFR #12 17-Sep-98 Feet of Product	EFR #13 23-Oct-98 Feet of Product	EFR #14 20-Nov-98 Feet of Product	EFR #15 18-Dec-98 Feet of Product	EFR #16 13-Jan-99 Feet of Product	EFR #17 18-Feb-99 Feet of Product	EFR #18 24-Mar-99 Feet of Product	EFR #19 19-Apr-99 Feet of Product	EFR #20 19-May-99 Feet of Product	EFR #21 22-Jun-99 Feet of Product	EFR #22 29-Jul-99 Feet of Product	EFR #23 (11) 27-Aug-99 Feet of Product	EFR #24 22-Sep-99 Feet of Product	EFR #25 27-Oct-99 Feet of Product
EFR-1	1.65	1.50	1.94	0.05	2.49	0.89	0.94	1.42	1.55	2.11	1.28	1.22	1.71	1.59	1.71	1.57	0.59	1.79	8.69	1.18	1.09	1.15	1.49	1.27	1.24	1.63
EFR-2	1.55	1.50	1.65	0.05	2.20	2.92	2.92	2.65	2.44	1.79	1.12	1.09	1.21	1.29	1.61	1.41	0.65	1.40	2.42	1.46	1.82	0.92	1.21	1.00	0.93	1.65
EFR-3	0.95	1.02	1.27	--	1.59	1.19	0.09	0.94	0.19	0.77	0.72	0.92	1.09	1.01	1.19	1.18	1.14	1.01	1.69	0.95	0.25	0.85	0.89	1.09	0.74	0.69
EFR-4	1.09	2.27	0.64	0.07	0.90	--	--	--	--	0.09	0.89	1.29	2.40	2.17	1.75	1.79	0.79	0.10	0.14	0.08	0.05	0.09	0.44	0.99	0.51	0.11
EFR-5	4.09	8.74	4.25	0.82	9.89	8.89	1.71	2.71	2.02	1.86	2.89	2.92	2.93	2.52	2.19	2.29	2.69	8.47	5.15	2.65	2.61	2.65	2.65	1.57	1.77	8.89
EFR-6	0.72	1.00	1.94	--	2.27	1.71	1.17	2.89	1.55	1.56	1.98	1.56	1.42	1.25	1.29	1.98	0.49	0.91	0.89	0.61	1.07	1.16	1.51	0.91	0.15	0.66
EFR-7	0.17	0.09	0.16	--	--	--	--	--	--	0.02	0.02	0.08	0.07	0.05	0.00	0.16	0.02	0.05	0.04	0.07	0.02	0.09	0.29	0.05	0.01	0.07
EFR-8	0.00	0.00	0.00	--	0.09	--	--	--	--	0.03	0.04	0.09	0.10	0.09	0.07	0.03	0.12	0.00	0.08	0.08	0.09	0.09	0.89	0.27	0.09	0.19
EFR-9	0.00	1.10	1.79	1.15	0.16	8.09	0.09	0.07	0.11	0.29	0.61	0.89	1.29	1.91	1.28	1.95	0.74	0.49	0.09	0.11	0.92	0.49	1.16	0.56	0.41	0.28
EFR-10	5.80	5.60	6.42	2.94	7.47	7.05	6.05	6.71	5.47	5.69	4.94	4.52	4.94	4.89	8.93	8.89	8.89	5.79	5.52	4.97	4.95	8.71	8.63	2.47	0.02	5.18
EFR-11	8.07	4.04	4.89	5.64	4.47	4.62	4.67	5.91	5.79	6.09	4.73	4.47	8.65	4.08	8.65	8.52	2.42	4.69	2.94	2.02	2.48	8.28	2.78	1.57	1.89	8.20
EFR-12	0.04	0.09	0.00	--	0.07	--	--	--	0.02	0.28	0.02	0.09	0.04	0.15	0.89	0.17	0.04	0.11	0.05	0.02	0.02	0.10	0.60	0.80	0.09	0.09
EFR-13	0.48	0.55	1.89	0.05	1.28	1.07	1.07	0.67	--	0.50	0.56	0.48	0.65	0.62	1.19	1.80	0.22	1.19	0.15	0.49	0.50	0.44	1.63	1.01	0.74	0.78
EFR-14	0.10	0.16	0.00	--	--	--	--	--	--	--	-	--	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-15	0.09	0.12	0.27	--	0.05	--	--	--	--	0.09	0.02	0.03	0.03	0.12	0.12	0.62	0.11	0.07	0.01	0.01	0.00	0.00	0.00	0.19	0.04	0.02
EFR-16	0.00	0.00	0.00	--	--	--	--	--	--	--	-	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-17	0.04	0.17	1.56	0.89	0.17	0.09	--	0.09	--	0.02	0.87	0.89	0.46	0.56	0.71	0.68	0.98	0.08	0.08	0.08	0.08	0.12	0.89	0.86	0.10	0.05
EFR-18	0.10	0.10	0.09	--	--	--	--	--	--	0.01	0.03	0.14	0.49	0.69	0.98	1.08	0.56	0.11	-	0.05	0.16	0.46	0.98	1.87	0.61	0.86
EFR-19	0.54	2.89	1.89	0.49	1.05	1.65	1.44	0.89	0.45	0.42	0.90	1.08	1.69	1.05	0.81	0.44	1.92	1.49	0.89	0.44	0.82	1.10	8.05	8.02	0.61	1.54
EFR-20	0.40	0.84	0.95	0.47	0.27	--	--	0.04	0.04	0.07	0.65	0.63	0.79	1.84	1.85	2.11	0.65	1.89	0.89	0.48	0.89	0.97	1.59	1.89	0.47	1.92
EFR-21	2.98	2.40	2.71	2.74	2.78	4.14	8.97	4.89	9.98	9.29	1.97	1.97	1.98	1.77	1.67	1.62	1.21	1.49	2.62	2.95	1.49	1.46	1.57	1.04	1.08	2.62
EFR-22	8.78	4.10	0.05	4.81	8.40	4.69	8.42	1.62	1.22	0.95	2.86	2.97	2.07	2.69	2.66	2.27	2.05	0.84	0.84	0.05	1.99	1.99	1.47	1.41	0.17	2.89
EFR-23	0.00	0.05	0.05	--	0.02	--	--	--	--	0.05	0.11	0.09	0.27	1.08	8.07	2.89	1.55	0.91	0.47	0.22	0.25	0.45	2.19	1.08	0.12	0.69
EFR-24	0.00	0.00	0.00	--	--	--	--	--	--	--	-	--	0.00	0.09	0.12	0.14	0.88	0.05	0.00	0.00	0.00	0.08	0.09	0.05	0.00	0.00
EFR-25	2.95	8.00	8.55	0.26	4.15	0.11	0.72	0.82	0.79	0.79	0.80	0.41	0.89	0.41	1.89	1.59	1.05	1.75	1.19	1.09	0.76	0.54	1.74	1.49	0.21	0.89
EFR-26	2.80	2.05	2.95	0.89	2.80	2.12	1.48	1.92	1.95	1.21	2.05	1.68	1.17	1.84	1.08	1.09	0.78	0.55	0.45	0.75	1.29	1.29	1.89	0.72	0.29	0.62
EFR-27	0.15	0.02	2.71	0.02	0.74	--	--	0.08	--	0.02	0.88	0.45	1.49	0.54	0.47	0.61	0.09	0.12	0.00	0.00	0.02	0.08	0.17	0.21	0.05	0.01
EFR-28	2.80	2.80	1.78	0.48	2.60	8.20	8.48	4.40	8.16	2.61	1.47	1.79	1.89	1.63	1.79	1.74	1.09	1.29	1.71	1.65	1.46	1.25	1.67	1.78	0.88	2.19
MIN (ft)	0.00	0.00	0.00	0.02	0.02	0.09	0.09	0.09	0.02	0.01	0.02	0.09	0.09	0.09	0.07	0.09	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX (ft)	5.80	5.60	8.42	5.64	7.47	7.05	6.05	6.71	5.79	6.09	4.94	4.52	4.94	4.89	8.93	8.89	8.89	5.79	6.15	4.97	4.95	8.71	8.63	2.47	8.02	5.18
Average (ft)	1.80	1.44	1.95	1.17	1.92	2.79	2.21	2.01	1.91	1.25	1.22	1.29	1.98	1.94	1.47	1.49	0.97	1.25	1.22	0.79	0.79	0.89	1.18	0.94	0.57	1.05
Total Free Product (ft)	88.89	40.80	48.98	19.94	44.05	44.88	88.10	86.04	81.07	81.16	80.88	80.78	88.90	84.92	88.80	88.86	25.27	81.14	81.84	22.00	22.20	24.54	88.11	28.98	15.94	29.69
Total Standing Free Product Volume (gal)	21.60	25.88	27.79	12.79	28.24	28.84	21.22	20.28	19.92	19.57	19.47	19.70	22.04	22.70	24.60	24.98	15.48	20.24	20.70	14.90	14.49	15.35	21.52	17.18	10.86	19.29
Estimated Total Free Product Removed (gal) (1) *(Liquid and Vapor Phase Free Product Volume)*	815.00	250.00	210.00	80.00	120.00	190.00	100.00	110.00	95.00	105.00	75.00	55.00	60.00	15.00	25.00	51.00	28.00	74.00	40.00	52.94	47.20	88.51	54.48	88.00	44.00	54.79
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*																										
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*																										
Liquid Phase Free Product Extraction Volume (gal) *as of Jan 2000*																										
Groundwater Extraction Volume (gal) per each EFR Event (2) *as of Jan 2000*																										
Total EFR Extraction Volume (gal) *(Total Volume : free product + groundwater + product vapor)*	2850.00	1410.00	975.00	255.00	814.00	900.00	889.00	408.00	690.00	561.00	211.00	220.00	822.00	212.00	120.00	256.00	294.00	498.00	688.00	904.75	960.00	564.25	725.54	298.00	292.00	255.00
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *if applicable* (9)	-	-	-	-	-	888	150	600	70	110	71	-	110	-	-	110	-	295	-	189	-	-	874	-	-	189
Total Volume Removed from Site (gal) *(Manifested volume)* (3)	2,850	1,410	975	255	814	588	489	1,008	460	671	282	220	489	212	120	256	294	793	688	1,094	858	588	1,100	292	241	484
Cumulative Total Free Product Removed (gal)	815	565	775	855	975	1,105	1,205	1,815	1,410	1,515	1,591	1,646	1,706	1,721	1,746	1,797	1,820	1,894	1,934	1,988	2,030	2,079	2,188	2,189	2,219	2,269
Extraction, Transportation & Disposal Cost (3)	$ 9,978.87	$ 2,762.62	$ 1,180.50	$ 1,180.50	$ 1,219.12	$ 1,491.67	$ 1,541.61	$ 2,088.49	$ 1,840.75	$ 1,947.69	$ 1,824.62	$ 1,899.69	$ 1,889.19	$ 815.25	$ 869.25	$ 878.00	$ 1,156.62	$ 1,881.56	$ 1,708.44	$ 2,049.75	$ 990.81	$ 1,698.19	$ 2,165.75	$ 2,152.12	$ 995.81	$ 1,888.50
Unit Cost per gal (4)	$ 1.69	$ 1.95	$ 8.01	$ 4.42	$ 8.99	$ 2.84	$ 8.15	$ 2.09	$ 2.70	$ 2.01	$ 4.70	$ 8.98	$ 8.15	$ 4.62	$ 7.19	$ 8.80	$ 4.94	$ 2.84	$ 2.49	$ 1.98	$ 2.84	$ 2.97	$ 1.97	$ 7.40	$ 4.19	$ 2.78
State Manifest Document Number	NJA2785096	NJA2785165	NJA2787608	NJA2785995	NJA2785990	NJA2785548	NJA2786541	NJA2787847	NJA2786595	NJA2970479	NJA2998712	NJA2998449	NJA2998517	NJA2998962	NJA2998078	NJA2998998	NJA8017471	NJA8030468	NJA8018902	NJA8015580	NJA8031176	NJA8018209	NJA8018548	NJA8022956	NJA2998992	NJA818015

Notes:
Product thickness was determined prior to the EFR event.
gal = gallon
All EFR Wells are 4 inch in diameter
EFR events 13 and 14 product removal was low due to significant quantities of product remaining emulsified

as the result of a short vac truck standing time prior to gauging

Product removal estimate does not take into account a % of product remaining emulsified do to high agitation
▒▒▒▒▒▒ Indicates that this data will be known once the next EFR waste T&D event is performed

(1) Estimated free product (gal) based on Vacuum Truck gauging (interface probe) directly after each EFR Event and vapor monitoring during extraction (See Table 8)
(2) Total invoiced disposal cost for EFR event (product and groundwater) and monitoring well purge water from 1/4ly well development and monitoring activities(if applicable)
(3) Total Cost per gallon includes product transportation & disposal, manifest prep, & regulatory admin. fee for combined EFR and GW purge water volume(if applicable)
(4) EFR # 11 free product volume was 55 gal and contained PCBs (approx. weight 450lbs total @ specific gravity of 8.18 lbs./gal). Disposal costs were significantly higher due to PCB content
(5) EFR # 20 cost and unit cost higher than normal due to additional vac truck trans and mob time. As the vac truck was broken when it reached the site, a 8 hour credit
will be applied to next months EFR T&D bill.
(6) Free product stored in an on-site 550-gallon AST equipped with secondary containment. AST contents, along with groundwater resulting from well purge activities
are drained and transported by CycleChem/Clearwater every 90 days.
(7) Volume of ground water collected during each EFR event. Volume estimated using an oil/water interface probe on the 55-gal extraction drum. On-Site measurement began 1st quarter of 2000.
(8) Those volumes that are totaled over a specific period (beginning 1st quarter 2000) is that volume specific to each of the EFR event it represents.
(9) Estimated by subtracting the free product aqueous volume and extracted groundwater volume for each of the representative EFR event from the total removal volume manifested for a specific disposal event
(10) EFR events did not take place in January or February 2001 due to access issues caused by inclement weather.
(11) This shipment contained 7.0 ppm of PCBs in organic layer and % moisture of organic lyer 57.56%
(12) Vapor phase free product volume not determined for July 2003 EFR Event No. 68 due to instrument failure
(13) This shipment contained 18.8 ppm PCBs, 2nd sample contained 12.5 ppm PCBs.

Prepared By: RMT, Inc.

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR WELL GAUGING LOG

EFR #80 DATE 8-Jul-04

WELL ID	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	PRODUCT TICKNESS (ft)
EFR-1	10.93	11.37	0.44
EFR-2	11.45	12.32	0.87
EFR-3	11.43	11.74	0.31
EFR-4	12.79	12.79	0.00
EFR-5	11.23	11.23	0.00
EFR-6	10.55	10.55	0.00
EFR-7	7.78	7.78	0.00
EFR-8	6.8	6.88	0.08
EFR-9	7.07	7.25	0.18
EFR-10	7.23	7.49	0.26
EFR-11	7.36	8.61	1.25
EFR-12	6.3	6.3	0.00
EFR-13	5.92	6.05	0.13
EFR-14	5.65	5.65	0.00
EFR-15	5.04	5.04	0.00
EFR-16	5.59	5.59	0.00
EFR-17	9.64	9.64	0.00
EFR-18	10.2	10.38	0.18
EFR-19	13.06	13.06	0.00
EFR-20	10.88	11.9	1.02
EFR-21	9.79	11.15	1.36
EFR-22	13.18	13.18	0.00
EFR-23	9.52	9.52	0.00
EFR-24	12.5	12.5	0.00
EFR-25	12.25	12.25	0.00
EFR-26	13.95	14.67	0.72
EFR-27	10.13	10.13	0.00
EFR-28	EFR Well Destroyed during RAWP Pilot Test		

CEMCO FIELD TECHNICIAN: G. Pizzuti

Total Volume Of Free Standing Product (gal) 4.42

Prepared by: RMT, Inc.

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR
VAPOR AND LIQUID PHASE VOLUMETRIC CALCULATION LOG

EFR #80 **8-Jul-04**

WELL ID	EXTRACTION TIME		VAPOR PHASE CONCENTRATION		SYSTEM RECOVERY DATA			
	TOTAL TIME (min)	TOTAL TIME (hrs)	PPM	LEL (%)	VACUUM In Hg	CFM	lbs/hr	Total lbs
EFR-1	3.0	0.0500	5,058	77	17	100	23.38	1.1690
EFR-2	5.0	0.0833	4,776	73	17	100	22.08	1.8397
EFR-3	2.0	0.0333	2,952	45	17	100	13.65	0.4549
EFR-4	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-5	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-6	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-7	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-8	2.0	0.0333	4,605	70	17	100	21.29	0.7096
EFR-9	2.0	0.0333	2,768	42	17	100	12.80	0.4266
EFR-10	2.0	0.0333	4,559	70	17	100	21.08	0.7025
EFR-11	7.0	0.1167	5,248	80	17	100	24.26	2.8303
EFR-12	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-13	2.0	0.0333	3,365	51	17	100	15.56	0.5186
EFR-14	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-15	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-16	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-17	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-18	1.0	0.0167	2,309	35	17	100	10.67	0.1779
EFR-19	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-20	6.0	0.1000	2,775	42	17	100	12.83	1.2827
EFR-21	8.0	0.1333	3,733	57	17	100	17.25	2.3006
EFR-22	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-23	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-24	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-25	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-26	4.0	0.0667	4,441	68	17	100	20.53	1.3687
EFR-27	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-28	0.0	0.0000	0	0	17	100	0.00	0.0000
Total EFR Time (hrs)		0.7333	AVG ppm	2117.69			TOTAL (lbs)	13.7811
							TOTAL VAPOR PHASE VOLUME (GAL)	1.7648

NOTE: PPM = (% LEL on Meter) x (LEL of Product Mixture) x (1,000,000)
(1) Weighted LEL for analyte mixture @ 0.656% (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Analyte LELs: DEHP @ 0.3% ; Ethylbenzene @ 1%; Xylenes @ 1.1%

Where:

ppm$_v$ =	Parts per Million by Volume		
Flow =	Cubic feet per minute (CFM)	100	
Molar Mass (MM) =	Molecular Weight (lb/lb-mole) =	292	(2)
IGC =	Ideal Gas Constant (359 ft^3/lb-mole) =	379	
LEL =	Free Product Mixture =	0.656	(1)
SG =	Specific Gravity =	0.9363	(3)

NOTE: (2) Avg. Molar Mass @ 292 (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Individual Analyte Molar Mass: DEHP @ 390.54; Ethylbenzene @ 106.2; Total Xylenes @ 106.2
(3) Average specific gravity of 0.9363 (RMT, Inc. product sampling in October 1999 @ MW-1R; EFR-11 & WP-A8)

$$\text{Pounds/Hr (lbs/hr)} = (\text{ppm}_v \times (60\ \text{min/hr}) \times (\text{CFM}) \times (\text{MM}) / ((1 \times 10^6) \times (359\ \text{ft}^3/\text{lb-mole}))$$

Free Product & Groundwater Gauging (55-Gal Drum)	
Product Thickness (in)	7.50
Groundwater Thickness (in)	1.50
Conversion @ 1.65 gal/inch	1.65
Total Product Volume (gal)	12.38
Total Groundwater Volume (gal)	2.48
Ratio Groundwater to Free Product (gal/gal)	0.20

	Y (gal)
Total Recovered Groundwater Volume (gal)	2.48
Total Recovered Free Product Volume (gal)	12.38
Total Recovered Fluids Volume (gal)	14.85
TOTAL EFR PRODUCT VOLUME	14.14 GAL

Date	8-Jul-04
Project #	6527.03
Subcontractor	CEMCO
Vac Head Utilized	NORTECH Corp. 551B

CEMCO Field Technician: Gary Pizzuti

RMT Project Manager: Nick Clevett

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR WELL GAUGING LOG

EFR #81 DATE 12-Aug-04

WELL ID	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	PRODUCT TICKNESS (ft)
EFR-1	10.78	11.79	1.01
EFR-2	11.28	12.44	1.16
EFR-3	11.3	11.58	0.28
EFR-4	12.61	12.61	0.00
EFR-5	11.06	12.37	1.31
EFR-6	10.38	10.62	0.24
EFR-7	6.77	6.77	0.00
EFR-8	6.61	6.62	0.01
EFR-9	6.82	6.84	0.02
EFR-10	7.06	7.45	0.39
EFR-11	7.13	9.15	2.02
EFR-12	6.13	6.13	0.00
EFR-13	5.73	6.94	1.21
EFR-14	5.48	5.48	0.00
EFR-15	4.87	4.87	0.00
EFR-16	5.41	5.41	0.00
EFR-17	9.45	9.45	0.00
EFR-18	10.11	10.14	0.03
EFR-19	12.95	12.99	0.04
EFR-20	10.72	12.15	1.43
EFR-21	9.67	11.3	1.63
EFR-22	12.96	12.96	0.00
EFR-23	9.32	9.34	0.02
EFR-24	12.39	12.39	0.00
EFR-25	12.1	12.2	0.10
EFR-26	13.82	14.55	0.73
EFR-27	10.83	10.83	0.00
EFR-28	EFR Well Destroyed during RAWP Pilot Test		

Total Volume Of Free Standing Product (gal) 7.56

CEMCO FIELD TECHNICIAN: G. Pizzuti

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR
VAPOR AND LIQUID PHASE VOLUMETRIC CALCULATION LOG

EFR #81 **12-Aug-04**

WELL ID	EXTRACTION TIME		VAPOR PHASE CONCENTRATIONS		SYSTEM RECOVERY DATA			
	TOTAL TIME (min)	TOTAL TIME (hrs)	PPM	LEL (%)	VACUUM In Hg	CFM	lbs/hr	Total lbs
EFR-1	5.0	0.0833	6,560	100	17	100	30.32	2.5271
EFR-2	6.0	0.1000	5,517	84	17	100	25.50	2.5503
EFR-3	2.0	0.0333	2,795	43	17	100	12.92	0.4306
EFR-4	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-5	6.0	0.1000	2,073	32	17	100	9.58	0.9583
EFR-6	1.0	0.0167	1,443	22	17	100	6.67	0.1112
EFR-7	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-8	1.0	0.0167	3,280	50	17	100	15.16	0.2527
EFR-9	1.0	0.0167	656	10	17	100	3.03	0.0505
EFR-10	2.0	0.0333	6,127	93	17	100	28.32	0.9441
EFR-11	10.0	0.1667	6,560	100	17	100	30.32	5.0541
EFR-12	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-13	3.0	0.0500	1,883	29	17	100	8.70	0.4352
EFR-14	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-15	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-16	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-17	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-18	1.0	0.0167	1,181	18	17	100	5.46	0.0910
EFR-19	1.0	0.0167	1,706	26	17	100	7.88	0.1314
EFR-20	6.0	0.1000	6,560	100	17	100	30.32	3.0325
EFR-21	8.0	0.1333	6,560	100	17	100	30.32	4.0433
EFR-22	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-23	1.0	0.0167	787	12	17	100	3.64	0.0606
EFR-24	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-25	1.0	0.0167	918	14	17	100	4.25	0.0708
EFR-26	4.0	0.0667	5,432	83	17	100	25.11	1.6739
EFR-27	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-28	0.0	0.0000	0	0	17	100	0.00	0.0000
Total EFR time (hrs)		0.9833	AVG ppm =	2728.96			TOTAL (LBS)	22.4176
							TOTAL VAPOR PHASE VOLUME (GAL)	2.8708

NOTE PPM = (% LEL on Meter) x (LEL of Product Mixture) x (1,000,000)

(1) Weighted LEL for analyte mixture @ 0.656% (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)

Analyte LELs: DEHP @ 0.3% ; Ethylbenzene @ 1%; Xylenes @ 1.1%

Where:

ppm$_v$ =	Parts per Million by Volume		
Flow =	Cubic feet per minute (CFM)	100	
Molar Mass (MM) =	Molecular Weight (lb/lb-mole) =	292	(2)
IGC =	Ideal Gas Constant (359 ft^3/lb-mole) =	379	
LEL =	Free Product Mixture =	0.656	(1)
SG =	Specific Gravity =	0.9363	(3)

NOTE (2) Avg. Molar Mass @ 292 (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)

Individual Analyte Molar Mass: DEHP @ 390.54; Ethylbenzene @ 106.2; Total Xylenes @ 106.2

(3) Average specific gravity of 0.9363 (RMT, Inc. product sampling in October 1999 @ MW-1R; EFR-11 & WP-A8)

$$\text{Pounds/Hr (lbs/hr)} = (\text{ppm}_v \times (60\ \text{min/hr}) \times (\text{CFM}) \times (\text{MM})) / ((1 \times 10^6) \times (359\ \text{ft}^3/\text{lb-mole}))$$

Free Product & Groundwater Gauging (55-Gal Drum)	
Product Thickness (in)	13.00
Groundwater Thickness (in)	1.00
Conversion @ 1.65 gal/inch	1.65
Total Product Volume (gal)	21.45
Total Groundwater Volume (gal)	1.65
Ratio Groundwater to Free Product (gal/gal)	0.08

		Y (gal)
Total Recovered Groundwater Volume (gal)		1.65
Total Recovered Free Product Volume (gal)		21.45
Total Recovered Fluids Volume (gal)		23.10
TOTAL EFR PRODUCT VOLUME		24.32 GAL

Date	12-Aug-04
Project #	6527.03
Subcontractor	CEMCO
Vac Head Utilized	NORTECH Corp. 551B

CEMCO Field Technician: Gary Pizzuti

RMT Project Manager: Nick Clevett

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR WELL GAUGING LOG

EFR #82 DATE 17-Sep-04

WELL ID	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	PRODUCT TICKNESS (ft)
EFR-1	10.66	11.57	0.91
EFR-2	11.16	12.46	1.30
EFR-3	11.16	11.17	0.01
EFR-4	12.52	12.52	0.00
EFR-5	10.94	10.94	0.00
EFR-6	10.31	10.32	0.01
EFR-7	6.95	6.95	0.00
EFR-8	6.58	6.58	0.00
EFR-9	6.72	6.73	0.01
EFR-10	7	7.9	0.90
EFR-11	7.05	7.05	0.00
EFR-12	6.08	6.08	0.00
EFR-13	5.68	5.68	0.00
EFR-14	5.41	5.41	0.00
EFR-15	4.76	4.76	0.00
EFR-16	5.34	5.34	0.00
EFR-17	9.4	9.4	0.00
EFR-18	10	10.05	0.05
EFR-19	12.85	12.97	0.12
EFR-20	10.61	10.65	0.04
EFR-21	9.52	9.55	0.03
EFR-22	12.91	12.91	0.00
EFR-23	9.26	9.29	0.03
EFR-24	12.29	12.29	0.00
EFR-25	12.04	12.04	0.00
EFR-26	13.74	14.4	0.66
EFR-27	10.92	10.92	0.00
EFR-28			

Total Volume Of Free Standing Product (gal) 2.65

CEMCO FIELD TECHNICIAN: G. Pizzuti

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR
VAPOR AND LIQUID PHASE VOLUMETRIC CALCULATION LOG

EFR #82 **17-Sep-04**

WELL ID	EXTRACTION TIME		VAPOR PHASE CONCENTRATION		SYSTEM RECOVERY DATA			
	TOTAL TIME (min)	TOTAL TIME (hrs)	PPM	LEL (%)	VACUUM In Hg	CFM	lbs/hr	Total lbs
EFR-1	4.0	0.0667	2,558	39	17	100	11.83	0.7884
EFR-2	5.0	0.0833	1,378	21	17	100	6.37	0.5307
EFR-3	0.5	0.0083	787	12	17	100	3.64	0.0303
EFR-4	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-5	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-6	0.5	0.0083	5,970	91	17	100	27.60	0.2300
EFR-7	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-8	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-9	0.5	0.0083	262	4	17	100	1.21	0.0101
EFR-10	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-11	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-12	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-13	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-14	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-15	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-16	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-17	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-18	0.5	0.0083	3,214	49	17	100	14.86	0.1238
EFR-19	0.5	0.0083	4,986	76	17	100	23.05	0.1921
EFR-20	0.5	0.0083	800	12	17	100	3.70	0.0308
EFR-21	0.5	0.0083	66	1	17	100	0.30	0.0025
EFR-22	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-23	0.5	0.0083	918	14	17	100	4.25	0.0354
EFR-24	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-25	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-26	2.0	0.0333	3,346	51	17	100	15.47	0.5155
EFR-27	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-28	0.0	0.0000	0	0	17	100	0.00	0.0000
Total EFR Time (hrs)		0.2500	AVG ppm	1103.87			TOTAL (LBS)	2.4897
							TOTAL VAPOR PHASE VOLUME (GAL)	0.3188

NOTE: PPM = (% LEL on Meter) x (LEL of Product Mixture) x (1,000,000)
(1) Weighted LEL for analyte mixture @ 0.656% (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Analyte LELs: DEHP @ 0.3% ; Ethylbenzene @ 1%; Xylenes @ 1.1%

Where:

ppm_v =	Parts per Million by Volume		
Flow =	Cubic feet per minute (CFM)	100	
Molar Mass (MM) =	Molecular Weight (lb/lb-mole) =	292	(2)
IGC =	Ideal Gas Constant (359 ft^3/lb-mole) =	379	
LEL =	Free Product Mixture =	0.656	(1)
SG =	Specific Gravity =	0.9363	(3)

NOTE: (2) Avg. Molar Mass @ 292 (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Individual Analyte Molar Mass: DEHP @ 390.54; Ethylbenzene @ 106.2; Total Xylenes @ 106.2
(3) Average specific gravity of 0.9363 (RMT, Inc. product sampling in October 1999 @ MW-1R; EFR-11 & WP-A8)

$$\text{Pounds/Hr (lbs/hr)} = (ppm_v \times (60\ min/hr) \times (CFM) \times (MM)) / ((1 \times 10^6) \times (359\ ft^3/lb\text{-}mole))$$

Free Product & Groundwater Gauging (55-Gal Drum)	
Product Thickness (in)	4.50
Groundwater Thickness (in)	3.00
Conversion @ 1.65 gal/inch	1.65
Total Product Volume (gal)	7.43
Total Groundwater Volume (gal)	4.95
Ratio Groundwater to Free Product (gal/gal)	0.67

		Y (gal)
Total Recovered Groundwater Volume (gal)		4.95
Total Recovered Free Product Volume (gal)		7.43
Total Recovered Fluids Volume (gal)		12.38
	TOTAL EFR PRODUCT VOLUME	7.74 GAL

Date	17-Sep-04
Project #	6527.03
Subcontractor	CEMCO
Vac Head Utilized	NORTECH Corp. 551B

CEMCO Field Technician: Gary Pizzuti

RMT Project Manager: Nick Clevett

Table 4
Quarterly Groundwater Monitoring Protocol
L.E. Carpenter & Company

FREE PRODUCT/DISSOLVED PLUME AEC [1]	
Well	**Objective.**
MW-6R	Define source area COC and MNA parameter concentrations.
MW-2R	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
MW-3	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
MW-4	Quarterly groundwater monitoring well for defining COC.
MW-14S	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
MW-14I	Define COC and MNA parameter concentrations and vertical gradient relationships between shallow and intermediate groundwater zones.
MW-15S	Quarterly groundwater monitoring well (upgradient).
MW-15I	Quarterly groundwater monitoring well (upgradient) and evaluate vertical gradient.
WP-B6	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
WP-B7	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
MW-17S [2]	Establish baseline MNA parameter concentrations in an on-site shallow upgradient "Clean Zone".
MW-21	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
MW-25(R)	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
MW-22R	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
MW-27 [3]	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
MW-28 [3]	Define COC and MNA parameter concentrations and shallow groundwater flow pattern relationships.
SW-5-1, SW-7-1, & SW-8-1	Define COC in ditch surface-water samples.

COCs = Contaminants of Concern: benzene, toluene, ethylbenzene, xylenes, and bis (2-ethyl hexyl) phthalate (DEHP)
AEC = Area of Environmental Concern
MNA = Monitored Natural Attenuation

Note(s):

1. Many of the wells in the AEC's are proposed for comprehensive sampling for all parameters listed on Table 2 to establish baseline concentrations for one full year (four quarters) of sampling. Once baseline concentrations have been established, a reduced list of wells will be selected for long-term monitoring. Rationale for well selection for long-term monitoring will be provided to USEPA/NJDEP once established.
2. MW-17S is a background well that has consistently shown no detection for all COCs.
3. Data obtained from these wells will more clearly define shallow groundwater flow patterns influenced by the Rockaway River and the Air Products drainage ditch.
4. MW-19/Hot Spot 1 area of concern is located in the northwestern portion of the LEC site.

Table 4 (Cont.)
Quarterly Groundwater Monitoring Protocol
L.E. Carpenter & Company

MW-19/HOTSPOT 1 AEC [1] [4]	
Well	**Objective**
MW-19	Establish baseline dissolved COC and MNA parameter concentrations in the MW19/HS1 former source area.
MW-19-1	Establish baseline dissolved COC and MNA parameter concentrations in the MW19/HS1 former source area.
MW-19-2	Establish baseline dissolved COC and MNA parameter concentrations cross-gradient of the MW19/HS1 former source area (leading western edge of the plume).
MW-19-5	Establish baseline downgradient dissolved COC and MNA parameter concentrations.
MW-19-6	Establish baseline downgradient dissolved COC and MNA parameter concentrations.
MW-19-7	Establish baseline downgradient dissolved COC and MNA parameter concentrations.
MW-19-8	Establish baseline downgradient dissolved COC and MNA parameter concentrations.
MW-19-9D	Establish baseline dissolved COC concentrations at Ross Street regional interceptor sewer line, and vertical gradient evaluation.
MW-19-10	Establish baseline downgradient dissolved COC and MNA parameter concentrations.

COCs = Contaminants of Concern: benzene, toluene, ethylbenzene, xylenes, and bis (2-ethyl hexyl) phthalate (DEHP)

AEC = Area of Environmental Concern

MNA = Monitored Natural Attenuation

Note(s):

5. Many of the wells in the AEC's are proposed for comprehensive sampling for all parameters listed on Table 2 to establish baseline concentrations for one full year (four quarters) of sampling. Once baseline concentrations have been established, a reduced list of wells will be selected for long-term monitoring. Rationale for well selection for long-term monitoring will be provided to USEPA/NJDEP once established.
6. MW-17S is a background well that has consistently shown no detection for all COCs.
7. Data obtained from these wells will more clearly define shallow groundwater flow patterns influenced by the Rockaway River and the Air Products drainage ditch.
8. MW-19/Hot Spot 1 area of concern is located in the northwestern portion of the LEC site.

TABLE 5

3rd Quarter 2004

L.E. Carpenter and Company, Wharton, New Jersey

Quarterly Groundwater Elevations

WELL LOCATION	WELL TYPE	ELEVATIONS (FT. MSL)			QUARTERLY MEASUREMENT INFORMATION (8)								
		GROUND	OUTER CASING	INNER WELL	MEAS. DATE	PRODUCT DEPTH	WATER DEPTH	PRODUCT ELEVATION	WATER ELEVATION	PRODUCT THICKNESS (ft)	CORRECTED WATER ELEVATIONS (2)	MAX. WATER ELEVATIONS	MIN. WATER ELEVATIONS
CW-1	Caisson Well	630.23	633.75		9-Aug-04	7.60	7.61	622.63	622.62	0.01	622.63	627.60	621.01
CW-3	Caisson Well	628.03	632.70		9-Aug-04	-	8.00	-	620.03	-	-	626.92	619.22
GEI-1I	Piezometer	627.84	630.33	630.18	9-Aug-04	-	5.05	-	625.13	-	-	627.58	623.04
GEI-2I	Piezometer	635.32	637.75	637.60	9-Aug-04	-	11.39	-	626.21	-	-	630.22	624.14
GEI-2S	Piezometer	634.86	637.27	637.07	9-Aug-04	-	11.20	-	625.87	-	-	629.26	623.65
GEI-3I	Piezometer	636.96	639.39	639.25	9-Aug-04	-	13.64	-	625.61	-	-	630.17	623.53
MW-1(R)	Monitoring Well	635.19	635.18	634.87	9-Aug-04	10.04	11.56	624.83	623.31	1.52	624.73	628.99	623.68
MW-2(R)	Monitoring Well	628.46	631.68	631.54	9-Aug-04	-	7.02	-	624.52	-	-	627.05	623.46
MW-3	Monitoring Well	628.04	631.67	631.96	9-Aug-04	7.28	7.55	624.68	624.41	0.27	624.66	627.28	622.69
MW-4 (5)	Monitoring Well	628.26	631.71	631.90	9-Aug-04	-	7.23	-	624.67	-	-	628.05	622.71
MW-6(R)	Monitoring Well	629.22	632.04	631.82	9-Aug-04	6.82	6.87	625.00	624.95	0.05	625.00	627.89	623.94
MW-8 (5)	Monitoring Well	627.39	629.96	628.19	9-Aug-04	-	3.47	-	624.72	-	-	628.52	622.23
MW-9 (5)	Monitoring Well	628.61	631.09	629.58	9-Aug-04	-	4.65	-	624.93	-	-	627.94	623.30
MW-11S	Monitoring Well	630.63	632.66	632.36	9-Aug-04	7.86	13.61	624.50	618.75	5.75	624.13	629.37	622.18
MW-11I(R)	Monitoring Well	630.29	633.07	632.73	9-Aug-04	-	8.05	-	624.68	-	-	632.25	621.87
MW-11D(R) (5)	Monitoring Well	630.06	632.75	632.49	9-Aug-04	-	5.91	-	626.58	-	-	631.59	624.72
MW-12S(R)	Monitoring Well	631.57	634.26	633.73	9-Aug-04	-	9.63	-	624.10	-	-	628.16	623.71
MW-13S	Monitoring Well	627.74	630.80	630.63	9-Aug-04	-	6.11	-	624.52	-	-	627.85	622.58
MW-13S(R)	Monitoring Well	627.66	630.36	629.99	9-Aug-04	-	5.59	-	624.40	-	-	626.72	622.73
MW-13I	Monitoring Well	627.76	630.28	630.06	9-Aug-04	-	5.50	-	624.56	-	-	627.86	622.50
MW-14S	Monitoring Well	625.18	628.03	627.81	9-Aug-04	-	3.56	-	624.25	-	-	626.27	622.24
MW-14I (5)	Monitoring Well	625.33	627.72	627.63	9-Aug-04	-	3.24	-	624.39	-	-	627.23	622.38
MW-15S (5)	Monitoring Well	634.23	636.43	636.17	9-Aug-04	-	11.14	-	625.03	-	-	628.45	622.89
MW-15I (5)	Monitoring Well	634.14	636.28	636.06	9-Aug-04	-	11.10	-	624.96	-	-	628.43	622.89
MW-16S	Monitoring Well	631.97	634.09	633.87	9-Aug-04	-	8.41	-	625.46	-	-	629.62	623.28
MW-16I	Monitoring Well	631.83	634.48	634.36	9-Aug-04	-	8.87	-	625.49	-	-	629.29	623.36
MW-17S (5)	Monitoring Well	632.35	634.32	634.19	9-Aug-04	-	9.12	-	625.07	-	-	629.53	622.97
MW-18S	Monitoring Well	627.62	630.88	630.66	9-Aug-04	-	0.00	-	NA	-	-	626.78	622.98
MW-18I	Monitoring Well	627.75	630.59	630.44	9-Aug-04	-	5.32	-	625.12	-	-	627.48	619.21
MW-19 (9)	Monitoring Well	636.22	636.23	635.90	9-Aug-04	-	9.90	-	626.00	-	-	629.35	623.74
MW-19-1 (9)	Monitoring Well	635.93	635.96	635.64	9-Aug-04	-	9.65	-	625.99	-	-	628.64	624.56
MW-19-2 (9)	Monitoring Well	636.46	636.50	636.30	9-Aug-04	-	10.27	-	626.03	-	-	628.33	624.55
MW-19-3 (9)	Monitoring Well	636.97	637.06	636.70	9-Aug-04	-	10.66	-	626.04	-	-	628.52	624.67
MW-19-4 (9)	Monitoring Well	635.69	635.76	635.43	9-Aug-04	-	9.35	-	626.08	-	-	629.26	623.60
MW-19-5 (5)	Monitoring Well	635.93	635.93	635.56	9-Aug-04	-	9.65	-	625.91	-	-	628.13	624.45
MW-19-6 (4)(5)	Monitoring Well	636.17	636.16	635.82	9-Aug-04	-	9.90	-	625.92	-	-	628.18	624.96
MW-19-7 (4)(5)	Monitoring Well	635.31	635.36	635.00	9-Aug-04	-	9.11	-	625.89	-	-	627.98	624.87
MW-19-8 (4)(5)	Monitoring Well	635.82	635.82	635.36	9-Aug-04	-	9.55	-	625.81	-	-	627.98	624.88
MW-19-9D (4)(5)	Monitoring Well	636.39	636.41	636.10	9-Aug-04	-	9.63	-	626.47	-	-	628.51	624.80
MW-19-10 (10)	Monitoring Well	634.72	634.81	634.43	9-Aug-04		8.07		626.36				
MW-20	Monitoring Well	634.22	636.43	636.17	9-Aug-04	-	9.97	-	626.20	-	-	630.45	623.55
MW-21 (5)	Monitoring Well	624.57	628.49	628.20	9-Aug-04	-	3.98	-	624.22	-	-	626.70	622.00
MW-22(R) (5)	Monitoring Well	625.34	627.71	627.53	9-Aug-04	-	3.46	-	624.07	-	-	627.60	622.29
MW-23	Monitoring Well	628.10	630.35	630.04	9-Aug-04	-	4.53	-	625.51	-	-	628.44	624.64
MW-25(R) (5)	Monitoring Well	624.65	626.77	626.62	9-Aug-04	-	2.75	-	623.87	-	-	626.83	622.21
MW-26	Monitoring Well	630.24	633.79	632.66	9-Aug-04	-	7.99	-	624.67	-	-	626.94	622.15
RW-1	Recovery Well	634.59	637.21	636.78	9-Aug-04	11.86	12.32	624.92	624.46	0.46	624.89	628.82	622.77
RW-2	Recovery Well	629.20	631.18	631.08	9-Aug-04	-	6.61	-	624.47	-	-	627.61	622.51
RW-3	Recovery Well	629.29	631.55	631.39	9-Aug-04	-	6.81	-	624.58	-	-	627.14	622.64
SG-D1 (1)	Drainage Channel Staff Gauge	625.81	-	-	9-Aug-04	-	1.36	-	624.45	-	-	625.61	623.08
SG-D2 (1)	Drainage Channel Staff Gauge	626.26	-	-	9-Aug-04	-	1.20	-	624.13	-	-	626.86	623.53
SG-D3 (1)	Drainage Channel Staff Gauge	625.83	-	-	9-Aug-04	-	NF	-	NA	-	-	624.88	623.40
SG-R1 (1)	Rockaway River Staff Gauge	640.92	-	-	9-Aug-04	-	1.36	-	638.95	-	-	653.28	639.50
SG-R2 (10)	Rockaway River Staff Gauge	628.65	-	-	9-Aug-04	-	3.24		625.41	-	-		
SG-R3 (1)	Rockaway River Staff Gauge	626.78	-	-	9-Aug-04	-	NF		NA	-	-	625.63	624.05
WP-A1	Area A Well Point	635.69	635.72	635.21	9-Aug-04	10.21	11.17	625.00	624.04	0.96	624.94	628.55	623.66
WP-A2	Area A Well Point	636.71	639.02	638.59	9-Aug-04	13.77	13.97	624.82	624.62	0.20	624.81	628.78	624.03
WP-A3	Area A Well Point	635.37	635.37	634.96	9-Aug-04		10.00	-	624.96	-	-	629.59	623.01
WP-A4	Area A Well Point	635.03	635.06	634.50	9-Aug-04	9.91	11.92	624.59	622.58	2.01	624.46	628.31	621.84
WP-A5	Area A Well Point	635.10		637.25	9-Aug-04	-	12.32		624.93	-	-	629.14	622.88
WP-A6	Area A Well Point	634.35		636.68	9-Aug-04	11.78	13.90	624.90	622.78	2.12	624.76	636.65	622.88
WP-A7	Area A Well Point	632.34		634.28	9-Aug-04	9.63	11.20	624.65	623.08	1.57	624.55	628.47	622.79
WP-A8	Area A Well Point	634.10		636.96	9-Aug-04	12.20	13.92	624.76	623.04	1.72	624.65	628.24	622.73
WP-A9	Area A Well Point	636.62		638.72	9-Aug-04	13.80	16.62	624.92	622.10	2.82	624.74	629.06	622.85
WP-B1	Area B Well Point	631.25		633.05	9-Aug-04	7.90	7.92	-	625.13	-	-	629.70	623.37
WP-B2	Area B Well Point	629.88	631.98	631.65	9-Aug-04	-	6.81	-	624.84	-	-	627.97	622.72
WP-B3	Area B Well Point	631.11		632.73	9-Aug-04	-	7.51	-	625.22	-	-	628.92	622.80
WP-B4	Area B Well Point	629.33		631.96	9-Aug-04	7.40	8.86	624.56	623.10	1.46	624.47	627.62	622.78
WP-B5	Area B Well Point	629.43		631.51	9-Aug-04	-	5.79	-	625.72	-	-	627.77	623.83
WP-B6	Area B Well Point	629.12		631.26	9-Aug-04	-	6.77	-	624.49	-	-	627.56	622.86
WP-B7	Area B Well Point	627.02		628.89	9-Aug-04	-	4.86	-	624.03	-	-	626.82	622.81
WP-B10	Area B Well Point	629.82	632.52	632.14	9-Aug-04	-	7.40	-	624.74	-	-	627.70	622.66
WP-C1	Area C Well Point	632.21		632.91	9-Aug-04	-	7.95	-	624.96	-	-	628.18	622.64
WP-C2	Area C Well Point	632.42		633.86	9-Aug-04	-	8.68	-	625.18	-	-	630.02	622.94
WP-C3	Area C Well Point	630.40		632.04	9-Aug-04	-	6.99	-	625.05	-	-	628.18	622.60
WP-C4	Area C Well Point	631.84		632.67	9-Aug-04	-	dry	-	NA	-	-	633.27	623.70

FOOTNOTES

(1) Elevation measured at the top of a 3.33 ft. Staff gauge. Reference elevation (ground) shot at the top of the staff gauge. Water depth based on a visual observation of the water level on the Staff gauge.
(2) Corrected water level elevations utilize an average specific gravity of 0.9363 (RMT, Inc. product sampling in October 1999 @ MW-1(R); EFR-11 & WP-A8)
(3) Wells included in the quarterly sampling program. Depth to water recorded before purging
(4) Wells installed during new RI efforts per NJDEP and EPA request to further delineate MW19/Hot Spot 1 Area
(5) No boring log or well construction diagram available. Well specific information determined from Weston Geologic Cross Section
(6) "-" in the Quarterly Measurement Information section of this database indicates that the presence of free product was NOT detected at any measurable thickness and therefore did not generate a product elevation, product thickness nor require water level elevation to be corrected
(7) "-" in the Well Installation and Construction Information section indicates that well construction logs were not available for review
(8) Horizontal Datum: New Jersey State Plane Coordinate System NAD 83. Vertical Datum: NGVD 29
(9) All "19 series" wells were resurveyed August 8, 2001 at owners request. Wells MW19 through MW19-5 were converted to flush mount wells to allow for through traffic. Professional survey performed by James M. Stewart, Inc., Philadelphia, PA
(10) MW-19-10 was installed as part of the MNA/PDB efforts. SG-R2 replaced SG-R2 installed in Nov. 1998. Professional survey performed by James M. Stewart, Inc., Philadelphia, PA
(11) Air Product monitoring wells and staff gauges located in the ditch were not sampled during 2nd quarter 2004 because no current access agreement was in place at the time of sampling.

TABLE 6
L.E. CARPENT[illegible] Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-2(R)	2004	2	18-Jun-04	< 0.2	8	< 0.2	49	15,000
		3	13-Aug-04	< 0.2	7.2	< 0.2	26	15,000

TABLE 6
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL		1	5	5	2	30
MW-4	1995	1	22-Feb-95	< 0.3	26	< 0.3	32	25,000
		2	13-Jun-95	< 0.5	16	< 0.7	13	46,000
		3	13-Sep-95	< 1	9.7	< 1.4	8.7	NA
		4	7-Dec-95	< 0.1	8.8	< 0.14	11	17,000
	1996	1	7-Mar-96	< 0.5	24	< 0.7	47	NA
		2	14-Jun-96	< 0.1	7	< 0.14	7.8	9,300
		3	17-Sep-96	< 0.1	6.8	< 0.14	4.3	NA
		4	12-Dec-96	< 0.1	2.3	< 0.14	< 0.5	11,000
	1997	1	7-Apr-97	< 0.2	3.5	< 0.14	1.8	NA
		2	14-Aug-97	< 0.2	1.2	< 0.14	4.2	120
		3	3-Oct-97	< 0.2	2.2	< 0.14	12.6	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.4	< 0.28	< 0.28	< 1	NA
		2	4-Jun-98	< 0.2	1.0	< 0.14	1.4	710
		3	28-Aug-98	< 0.2	1.9	< 0.14	1.2	NA
		4	20-Nov-98	< 0.2	9.3	< 0.14	3.3	650
	1999	1	21-Jan-99	< 0.2	1.1	< 0.14	2.5	NA
		2	15-Apr-99	< 0.31	0.66	< 0.34	< 0.4	3,000
		2 duplicate	15-Apr-99	< 0.31	0.43	< 0.34	< 0.4	4,400
		3	22-Jul-99	< 0.31	3.10	< 0.34	2.9	NA
		4	25-Oct-99	< 0.31	0.51	< 0.34	< 0.4	4,000
	2000	1	17-Jan-00	< 0.31	0.54	< 0.34	1.6	NA
		2	13-Apr-00	< 0.25	0.31	< 0.27	< 0.25	480
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	0.41	210
		4 duplicate	30-Oct-00	< 0.25	< 0.27	< 0.27	0.33	NA
	2001	1	27-Feb-01	< 0.25	1	< 0.27	3.7	NA
DEHP found in lab blank		2	2-Apr-01	< 0.28	0.31	< 0.26	0.41	300
		3	24-Jul-01	< 0.28	0.52	< 0.26	2.5	NA
		4	26-Oct-01	< 0.28	0.33	< 0.26	0.77	3300
	2002	1	7-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	150
		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	1300
		2 duplicate	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	950
Dilution factor 5.0 for bis(2-ethylhexyl)phthalate		3	13-Aug-02	< 0.22	0.54	< 0.24	0.86	670
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 8.6
	2003	1	20-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	46
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	72
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 3
		3 duplicate	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 7
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	67
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	0.6	28
		2	18-Jun-04	< 0.2	< 0.2	< 0.2	< 0.6	5200
		3	12-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	2,500

[illegible]LE 6
L.E. CARPENT[illegible]Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-11(DR) [2][3]	1999	1	21-Jan-99	< 0.2	< 0.1	< 0.14	< 0.5	64
		1 duplicate	21-Jan-99	< 0.2	< 0.1	< 0.14	< 0.5	20
		2		NS	NS	NS	NS	NS
		3[3]	22-Jul-99	NA	NA	NA	NA	59
		3 duplicate	22-Jul-99	NA	NA	NA	NA	13
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
	2000	1	17-Jan-00	NA	NA	NA	NA	< 4.2
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
	Field ID: MW-11DD	2 duplicate	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	3.4
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	2
DEHP found in lab blank	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	0.8
DEHP found in lab blank	Field ID: MW-11DD	1 duplicate	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	0.9
DEHP found in lab blank		2	2-Apr-01	NA	NA	NA	NA	1.5
		3	24-Jul-01	NA	NA	NA	NA	< 0.4
		4	26-Oct-01	NA	NA	NA	NA	0.6
	2002	1	7-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	2.8
		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	26
		3	13-Aug-02	NA	NA	NA	NA	63
		4	20-Nov-02	NA	NA	NA	NA	B 0.2
	2003	1	20-Mar-03	NA	NA	NA	NA	< 1
		2	3-Jun-03	NA	NA	NA	NA	J 2
		3	20-Aug-03	NA	NA	NA	NA	< 1
		4	18-Nov-03	NA	NA	NA	NA	< 1
	2004	1	25-Feb-04	NA	NA	NA	NA	< 1
		2		NA	NA	NA	NA	NS
		3	11-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 6
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-14S	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.2
DEHP found in lab blank		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	0.7
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.3
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.5
	2003	1	19-Mar-03	< 0.2	J 0.21	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 3
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	J 2
	2004	1	24-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		2	16-Jun-04	< 0.2	< 0.2	J 0.2	< 0.6	J 1
		3	12-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 6
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-14I	1995	1	22-Feb-95	< 0.3	0.4	< 0.3	1.2	140
		2	13-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	1.6
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	2.6
	1996	1	7-Mar-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.3
		3	17-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	2.7
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	1.6
		3	3-Oct-97	1.2	22.1	< 0.7	176	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	4-Jun-98	< 0.2	0.34	< 0.14	2	24
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	< 0.5	< 1.2
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	NA
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	2.4
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	3.5
Field ID: MW-14Id		2 duplicate	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	2.2
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	3.4
DEHP found in lab blank		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	1.0
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.2
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.3
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 2
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	24-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		2	16-Jun-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	12-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9

[illegible]LE 6
L.E. CARPENT[illegible] Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS(5)				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-15S	1995	1	22-Feb-95	< 0.3	< 0.3	< 0.3	< 1	2.4
		2	13-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	< 1.1
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
	1996	1	7-Mar-96	< 0.2	33	< 0.28	83	NA
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
		3	17-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	0.21	< 0.14	1.7	< 1.2
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	1.2
		3	3-Oct-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	1.4	< 0.5	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	1.3	< 1.1
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	1-Dec-98	< 0.2	< 0.14	< 0.14	< 0.5	< 1.2
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	NA
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	NA
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	0.8
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	< 0.4
	2002	1	7-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.0
DEHP found in lab blank		2	20-May-02	< 0.22	< 0.18	< 0.24	< 0.2	0.7
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.2
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	8
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
		2	15-Jun-04	< 0.2	< 0.2	J 0.5	< 0.6	J 2
		3	11-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 6
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS(5)				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-15I	1995	1	22-Feb-95	< 0.3	< 0.3	< 0.3	< 1	250
		2	13-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	7.2
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	2.8
	1996	1	7-Mar-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	1.2
		3	17-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	1.7
		4 duplicate	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	1.9
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	2.2
		3	3-Oct-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	1.9
		2 duplicate	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	3.8
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	0.53	11
		4 duplicate	20-Nov-98	< 0.2	0.2	< 0.14	0.8	9.8
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	4.8
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	4.1
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	NA
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	2
	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	NA
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	1.2
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	0.5
	2002	1	7-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.0
		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	0.5
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	< 0.2
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2 duplicate	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	J 4
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
		1 duplicate	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		2	15-Jun-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	11-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

[illegible]LE 6

L.E. CARPENTE[illegible] Wharton, New Jersey

Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-17S [4]	1995	1	24-Feb-95	< 0.3	0.6	0.3	1.9	11
		2	13-Jun-95	0.2	< 0.14	0.18	< 0.5	< 1.1
		3		NS	NS	NS	NS	NS
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	0.63	< 1.2
	1996	1		NS	NS	NS	NS	NS
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.3
		3		NS	NS	NS	NS	NS
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	1.5
	1997	1		NA	NA	NA	NA	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	< 1.3
		3		NS	NS	NS	NS	NS
		4		NS	NS	NS	NS	NS
	1998	1		NS	NS	NS	NS	NS
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	1.2	6.1
		3		NS	NS	NS	NS	NS
		4	1-Dec-98	< 0.2	< 0.14	< 0.14	< 0.5	6
	1999	1		NS	NS	NS	NS	NS
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
		3		NS	NS	NS	NS	NS
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	40
	2000	1		NS	NS	NS	NS	NS
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3		NS	NS	NS	NS	NS
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
DEHP found in lab blank	2001	2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	1.8
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	9.6
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.0
Sample designation DUP01		1 duplicate	6-Mar-01	< 0.28	< 0.26	< 0.26	< 0.25	1.6
DEHP found in lab blank		2	20-May-02	< 0.22	< 0.18	< 0.24	< 0.2	0.6
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.2
		4	21-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		2	18-Jun-04	NS	NS	NS	NS	NS

[illegible]LE 6
L.E. CARPENT[illegible] Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-21 [1]	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	< 4.2
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.3
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	6
		1 duplicate	17-Jan-00	NA	NA	NA	NA	< 4.2
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.24	< 2.1
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
DEHP found in lab blank	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	2.7
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	0.9
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	0.9
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	0.6
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.3
DEHP found in lab blank		2	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	1
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.3
Sample designation DUPE-001		3 duplicate	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.4
		4	19-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.3
	2003	1	18-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
			20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 2
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	24-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		2	17-Jun-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	13-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 6
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-22(R)	1995	1	21-Feb-95	< 0.3	57	< 0.3	260	6,500
		2	13-Jun-95	< 2.6	311	< 3.5	955	380
		3	13-Sep-95	< 2.6	171	< 3.5	693	NA
		4	7-Dec-95	< 2	123	< 2.8	494	320
	1996	1		NS	NS	NS	NS	NS
		2	8-Jul-96	< 2	258	< 2.8	941	70
		3	17-Sep-96	< 2.5	359	< 3.5	1,320	NA
		4	12-Dec-96	< 5	320	< 7	1,330	< 1.2
	1997	1		NS	NS	NS	NS	NS
		2	14-Aug-97	< 200	5,730	< 140	32,900	7,500
		3	3-Oct-97	< 400	11,400	< 280	66,000	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 200	4,070	348	20,600	NA
		2	4-Jun-98	< 40	2,260	< 28	11,300	5,800
		3	28-Aug-98	< 50	1880	< 35	10300	NA
		3 duplicate	28-Aug-98	< 50	2,510	< 35	11,000	NA
		4	20-Nov-98	< 40	1,650	< 28	7,230	1,100
	1999	1	21-Jan-99	< 0.4	18	< 0.28	84	NA
		2	15-Apr-99	< 31	1,600	< 34	7,600	670
		3	22-Jul-99	< 31	1,200	42	5,200	NA
		4	25-Oct-99	< 16	810	< 17	3,300	1200
		4 duplicate	25-Oct-99	< 31	840	< 34	3,400	1600
	2000	1	17-Jan-00	< 7.8	360	< 8.5	1,400	NA
Dilution Factor 50		2	13-Apr-00	< 12	820	< 14	3,600	92
Dilution Factor 200		3	31-Jul-00	< 50	1,000	< 54	4,800	NA
Dilution Factor 50 and 250 for DEHP and BTEX respectively		4	30-Oct-00	< 52	1,200	< 68	6,200	5,100
Dilution Factor 200	2001	1	27-Feb-01	< 50	1,900	< 54	9,000	NA
Dilution Factor 20 and 100 for DEHP and BTEX respectively. DEHP found in lab blank		2	2-Apr-01	< 26	910	< 26	4,100	2,400
Dilution factor 100 for BTEX, 50 for DEHP. DEHP detected in field blank		3	24-Jul-01	< 26	1,100	< 26	5,300	8,200
Dilution Factor 100		4	26-Oct-01	< 26	980	< 26	4,700	15,000
Dilution Factor 100		4 duplicate	26-Oct-01	< 26	1,000	< 26	4,900	NA
Dilution factors - 10 for BTEX, 2 for DEHP.	2002	1	6-Mar-02	< 2.6	140	< 2.6	420	18
Dilution factors - 50 for BTEX, 1 for DEHP		2	22-May-02	< 11	320	< 12	1,400	21
Dilution factors - 50 for BTEX, 1 for DEHP		3	13-Aug-02	< 11	180	< 12	1,400	13
Dilution factor - 25 for BTEX		4	20-Nov-02	< 5.5	310	< 6	1,000	B 6.3
Dilution factor - 5 for total xylenes and ethylbenzene	2003	1	18-Mar-03	< 1	540	< 0.2	2,000	54.0
Dilution factors - 5 for BTEX, 3 for DEHP		2	3-Jun-03	< 1	690	< 1	2,600	170.0
		3	20-Aug-03	< 1	210	< 1	1,200	260.0
Dilution factor - 5 for total xylenes, 25 for DEHP		4	17-Nov-03	J 0.2	190	< 0.2	940	2,200.0
Dupe-01		4 duplicate	17-Nov-03	J 0.2	180	< 0.2	920	910.0
	2004	1	25-Feb-04	< 1	330	< 1	1,500	3,800.0
		2	16-Jun-04	< 1	200	< 1	1,200	150.0
		3	11-Aug-04	0.3	51	< 0.2	410	99.0

TABLE 6
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-25(R)	1995	1		NS	NS	NS	NS	NS
		2	14-Jun-95	< 0.2	< 0.2	< 0.2	< 1	1.6
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	68
	1996	1		NS	NS	NS	NS	NS
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
		3	17-Sep-96	< 0.1	0.34	< 0.14	2.2	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.3
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	14-Aug-97	< 0.2	13.5	< 0.14	89	83
		3	3-Oct-97	< 0.2	4.1	< 0.14	30.7	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	0.33	< 0.14	1.5	NA
		1 duplicate	12-Mar-98	< 0.2	0.39	< 0.14	0.94	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	5.3
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	< 0.5	1.9
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	< 4.3
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	14	< 4.1
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	1.4	9.6
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
	2000	1	1-Mar-00	< 0.31	< 0.38	< 0.34	< 0.4	< 3.5
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
Field ID: MW-25RD		3 duplicate	31-Jul-00	NA	NA	NA	NA	< 2
		4	30-Oct-00	< 0.25	0.33	< 0.27	1.1	3.4
DEHP found in lab blank	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	1.9
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	1.4
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	0.5
Field ID: MW-25D		3 duplicate	24-Jul-01	NA	NA	NA	NA	1.2
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	0.7
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	0.5
DEHP found in lab blank		2	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	1.1
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.2
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	< 0.3
Dupe-01		4 duplicate	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	18-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 7
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	J 1
	2004	1	24-Feb-04	< 0.2	< 0.2	J 0.2	< 0.6	J 2
		2	17-Jun-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	12-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3 duplicate	12-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	J 6

[illegible]LE 6
L.E. CARPENT[illegible] Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
WP-B6	2004	3	11-Aug-04	< 0.2	< 0.2	0.6	6.5	64,000

[illegible]LE 6
L.E. CARPENT[illegible] Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS(5)				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
WP-B7	2004	2	17-Jun-04	< 0.2	4.8	< 0.2	4.6	25,000
		3	11-Aug-04	< 0.2	< 2	< 0.2	< 5	63,000

[illegible]LE 6
L.E. CARPENTE[illegible] Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
Trip Blank	1995	1	27-Feb-95	< 0.3	< 0.3	< 0.3	< 1	NA
		2	12-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		3	12-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
	1996	1	6-Mar-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		2	12-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		3	16-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	13-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		3	3-Oct-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	ND
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
		3	22-Jul-99	NA	NA	NA	NA	< 4.2
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
	2000	1	17-Jan-00	NA	NA	NA	NA	< 4.1
		1	1-Mar-00	NA	NA	NA	NA	< 3.8
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		3	31-Jul-00	NA	NA	NA	NA	< 2
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
DEHP found in lab blank	2001	1	27-Feb-01	NA	NA	NA	NA	0.6
		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
Performed for Lab No. N067 (MW22R DEHP sample). STL forgot to sample DEHP at this well on first round		3	24-Jul-01	NA	NA	NA	NA	< 0.4
		3	24-Jul-01	NA	NA	NA	NA	< 0.4
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
	2002	1	5-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	NA
		2	20-May-02	< 0.22	< 0.18	< 0.24	< 0.2	NA
		3	12-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	180
TB-01		4	19-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	4-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	NA
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	26-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		2	17-Jun-04	< 0.2	< 0.2	< 0.2	< 0.6	NA
		3	10-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	NA

TABLE 6
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
Rinsate Sample	2002	1		ND	ND	0.7	ND	2.5
DEHP found in lab blank		2	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	3.4
Rinsate -001		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	4.5
Rinsate-01		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.3
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 2
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		2	18-Jun-03	< 0.2	< 0.2	< 0.2	< 0.2	< 1
		3	10-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

T[illegible]LE 6
L.E. CARPENTE[illegible] Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS (5)				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	6	5	2	30
Field Blank	1995	1	27-Feb-95	< 0.3	< 0.3	< 0.3	< 1	< 1.1
		2	13-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	1.3
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
	1996	1	7-Mar-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.4
		3	17-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
	1997	1	7-Apr-97	< 0.2	< 0.14	0.2	< 0.5	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	< 1.1
		3	3-Oct-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	< 1.1
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	< 0.5	1.3
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	< 4.4
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.4
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.3
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.6
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
		1	1-Mar-00	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
		1	16-Mar-00	NA	NA	NA	NA	3.2
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
DEHP found in lab blank	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	1.3
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	2
Performed for Lab No. N067 (MW22R DEHP sample). STL forgot to sample DEHP at this well on first round		3		NA	NA	NA	NA	1.2
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	< 0.5
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	< 0.4
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	16
		2	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	130
FB-001		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.5
FB-01		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.4
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		2		NS	NS	NS	NS	NS
		3	12-Aug-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 6
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS(5)				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	40	30
		PRACTICAL QUANTIFICATION LIMIT (PQL		1	5	5	2	30

GENERAL NOTES PAGE

LEGEND

ug/L: micrograms per liter
NJGWQS: New Jersey Groundwater Quality Standards
NS: Not Sampled
NA: Not Analyzed
duplicate: Duplicate sample
B: Analyte found in laboratory blank as well as sample.
DEHP: bis-2-Ethylhexylphthalate

SAMPLING NOTES

(1) MW-21 Quarterly sampling required for both DEHP and BTEX as of NJDEP letter dated Nov 23, 1998
(2) MW-11(IR) & MW-11(DR) sampled for both DEHP and BTEX per NJDEP letter dated Nov 23, 1998 (one time sample round- baseline concentration) prior to receiving the NJDEP letter. Subsequently, the well was only sampled for DEHP. Starting 4th quarter 1999, MW-11D will be sampled for both DEHP and BTEX. Based on NJDEP letter dated April 5, 2001, this well will be sampled for DEHP only (starting 2nd qtr 2001).
(3) MW-11D required to be sampled quarterly per NJDEP letter dated August 17, 1999. Third quarter 1999 sampling was performed
(4) Well initially sampled Biannually - 2nd and 4th Quarter as of the beginning of 1998. 1st quarter 2002, well sampled quarterly for both DEHP and BTEX.
(5) Low flow sampling initiated 1st quarter 2002.

15,000 Above the NJDEP NJGWQS

Table 7
L.E.Carpenter, Wharton, New Jersey
Quarterly Groundwater Monitoring MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	Alkalinity to pH 8.3	Alkalinity to pH 4.5	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate	Ferrous Iron	Methane
(units)		cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
MW-2(R)	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	320.00	ND	202	499	347.00	ND	1.00	0.85	1.7 J	32.10	8400.00
	3Q04	>5700	ND	202	813	320.00	ND	1.10	1.00	ND	7.10	7800.00
MW-3	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6(R)	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11DR	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	27	ND	83	ND	110	ND	0.18 J	ND	10	ND	ND
MW-14S	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	69.00	ND	187	17	256	ND	0.30 J	ND	5.10	5.70	920.00
	3Q04	510.00	ND	134	21	298	ND	ND	0.10	9.70	7.50	41.00
MW-14I	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	35.00	ND	112	3.6 J	180	0.18	ND	0.046 J	14.90	0.025 J	ND
	3Q04	21.00	ND	110	6.4 J	189	0.20	ND	0.040 J	14.40	0.020 J	ND
MW-15S	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-15I	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17S	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	520	NS	52	62	163	ND	ND	0.11	11.40	ND	ND
	3Q04	52	ND	73	ND	173	ND	ND	ND	9.40	0.01	2.10
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	80	ND	207	30	589	ND	ND	0.054	3.6 J	19.2	150
	3Q04	630	ND	288	30.9	553	ND	ND	0.12	1.7 J	31.8	230
MW-19-1	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	100	ND	162	ND	725	1.4	ND	ND	32.4	0.091 J	ND
	3Q04	49	ND	184	3.2 J	926	3.9	ND	ND	35.3	0.14	ND
MW-19-2	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10	ND	335	6.0 J	704	ND	ND	ND	33.6	2.1	1600
	3Q04	87	ND	178	6.0 J	916	0.87	ND	ND	23.9	2	280
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	180	ND	228	14	942	0.08 J	ND	ND	15.7	3.6	2100
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	35	ND	151	10.4 J	1670	1.6	ND	ND	37.3	1.8	140
	3Q04	110	ND	178	18.8	1240	1.1	ND	0.062	38.3	0.69	140
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	110	ND	142	6.8 J	2110	0.21	ND	ND	47.2	5.6	5200
	2Q04D	88	ND	152	9.2 J	2040	0.21	0.15 J	ND	37.3	8.6	5400
	3Q04	2000	ND	175	4.4 J	1920	1.5	ND	ND	64.4	4	2400
MW-19-8	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	45	ND	143	14.4	1120	ND	ND	0.15	22.8	13.1	79
	3Q04	15	ND	152	7.2 J	573	ND	0.24 J	0.12	11.5	2.7	790
MW-19-9D	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	210	ND	211	6.0 J	621	0.14	0.33 J	ND	18.2	1.2	1300
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19-10	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	34	ND	109	6.8 J	563	ND	ND	ND	18	1.1	2.6 J
	3Q04	18	ND	98	10.4 J	908	ND	ND	ND	19.2	1.6	3.3 J
	3Q04D	22	ND	97.8	10.8 J	880	ND	0.24 J	ND	17.9	1.5	2.9 J
MW-21	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	110	ND	157	11.6 J	301	0.16	ND	0.050 J	14.10	0.018 J	ND
	3Q04	580	ND	153	ND	443	0.40	ND	ND	16.10	ND	ND
MW-22 (R)	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	24	ND	196	29	320	ND	0.50 J	0.10	ND	15.00	6100.00
	3Q04	35	ND	210	33	343	ND	0.30 J	0.12	ND	16.00	8900.00
MW-25(R)	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	220	ND	204	38	341	ND	ND	0.056	2.9 J	69	1100
	3Q04	>5700	ND	200	22	323	ND	0.15 J	ND	5.8	6	44
	3Q04D	>5700	ND	203	22	329	ND	ND	ND	5.9	4.9	46
WP-B6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WP-B7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	300	ND	228	378	366	ND	ND	0.53	6	52.5	14000
	3Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-5	1Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-7	1Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-8	1Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 8
L.E.Carpenter, Wharton, New Jersey
Quarterly Groundwater Monitoring MNA Field Data

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Total Iron (mg/L)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-2(R)	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	2.50	6.91	-1	723	NM	12.14	NM	NM	NM	NM
	3Q04	NM	7.44	29	669	NM	15.40	NM	NM	NM	NM
MW-3	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	1Q04	3.82	7.64	65	630	3	3.29	NM	NM	NM	NM
	2Q04	2.91	7.00	25	67	NM	14.52	NM	NM	NM	NM
	3Q04	NM	7.45	31	653	NM	17.68	NM	NM	NM	NM
MW-6(R)	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11DR	1Q04	2.40	8.07	91	204	1	7	NM	NM	NM	NM
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	1.00	8.42	143	206	2	15.50	NM	0	55	<10
MW-14S	1Q04	2.99	5.92	7	540	17	9.02	NM	NM	NM	NM
	2Q04	3.19	7.19	-16	517	4	12.82	5.50	NM	125.00	14.00
	3Q04	0.20	7.78	-29	602	4	13.66	NM	8.00	85.00	15.00
MW-14I	1Q04	2.78	6.30	80	335	41	10.79	NM	NM	NM	NM
	2Q04	1.29	7.56	207	321	8	13.30	0.50	NM	90.00	1000+
	3Q04	1.00	8.18	116	331	9	13.42	NM	0.00	60.00	<10
MW-15S	1Q04	2.64	7.25	151	688	30	8.08	NM	NM	NM	NM
	2Q04	5.40	7.14	157	921	15	13.75	NM	NM	NM	NM
	3Q04	1.00	7.59	141	492	14	17.50	NM	NM	NM	NM
MW-15I	1Q04	3.24	7.55	-11	674	5	10.57	NM	NM	NM	NM
	2Q04	2.97	7.44	-25	477	10	14.37	NM	NM	NM	NM
	3Q04	0.10	7.70	-31	777	2	16.11	NM	NM	NM	NM
MW-17S	1Q04	0.38	7.57	194	160	2	3.60	NM	NM	NM	NM
	2Q04	3.38	6.05	250	301	NM	13.10	NM	NM	NM	NM
	3Q04	1.00	7.56	219	269	3	18.13	NM	0.00	45.00	16.00
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10.97	7.23	24	890	2	13.94	22.3	NM	160	70
	3Q04	0.1	7.62	-10	1179	2	16.18	NM	<10	200	95
MW-19-1	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	13.9	7.22	180	1373	10	13.9	0.6	NM	125	17
	3Q04	1	7.5	80	1910	10	18.49	NM	0.2	90	28
MW-19-2	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	4.45	7.3	83	1199	6	13.97	3.5	NM	210	60
	3Q04	5	7.45	59	1830	9	16.97	NM	2	130	15.5
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10.16	7.02	41	1550	4	12.89	1.5	NM	130	70
	3Q04	1	7.26	87	1740	19	16.3	NM	2	150	60
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	5.48	6.86	56	2640	10	15.24	35	NM	80	33
	3Q04	1	7.43	83	2490	4	16.61	NM	0.4	125	20
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	5.89	6.82	48	380	6	14.34	8	NM	95	90
	3Q04	1	6.92	113	4040	2	16.77	NM	1	75	70
MW-19-8	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	3.98	6.9	-24	2010	10	15.69	15	NM	125	30
	3Q04	0.4	7.52	48	1093	7	18.29	NM	2	100	19
MW-19-9D	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	3.03	7.11	-28	480	63	14.64	NM	NM	NM	NM
	3Q04	0.2	7.4	8	545	35	15.7	NM	NM	NM	NM
MW-19-10	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	3.82	6.78	85	1050	7	13.94	1	NM	80	25
	3Q04	0.1	7.35	107	1498	11	15.56	NM	1.5	65	20
MW-21	1Q04	2.65	5.57	125	447	2	9.54	NM	NM	NM	NM
	2Q04	1.02	7.16	51	543	35	12.70	NM	NM	NM	NM
	3Q04	0.30	7.75	103	849	3	16.62	NM	0.00	100.00	9.00
MW-22 (R)	1Q04	4.68	7.77	-6	586	30	7.09	NM	NM	NM	NM
	2Q04	2.22	7.20	-35	655	3	12.84	10.00	NM	175	25
	3Q04	0.20	7.56	-46	608	3	16.83	NM	11.00	150	<100
MW-25(R)	1Q04	3.22	5.87	7	563	89	4.70	NM	NM	NM	NM
	2Q04	1.37	6.96	-34	620	35	15.67	NM	NM	NM	NM
	3Q04	0.60	7.28	119	609	9	17.32	NM	3.00	90	50
WP-B6	1Q04	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
WP-B7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	7.63	6.87	-7	768	187	13	NM	NM	175	70
	3Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-5	1Q04	10.41	5.75	84	127	11	2.25	NM	NM	NM	NM
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-7	1Q04	0.93	5.62	110	865	5	4.11	NM	NM	NM	NM
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SW-8	1Q04	0.01	5.88	156	891	19	4.56	NM	NM	NM	NM
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 9

THROUGH 3RD QUARTER 2004

L.E. CARPENTER - Wharton, New Jersey
MW19/Hot Spot 1 Groundwater Monitoring Data

MONITORING WELLS	SAMPLE DATE	QUARTER	ANALYTICAL PARAMETERS									
			Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1		700		1,000		40		30	
MW19												
Dilution factor for BTEX 2000	24-Feb-95	1	<	660		1,700		110,000		10,000		NR
Dilution factor for BTEX 100	14-Jun-95	2		150		3,400		140,000		17,000		NS
Dilution factor 5000 for BTEX & 2 for DEHP; MDL for Benzene 1000 ug/l	24-Apr-98	2	<	1,000		2,850		76,700		14,900		6.6
Dilution factor for BTEX 500	2-Aug-01	3	<	95		3,000		62,000		17,000		2.9
Dilution factor for BTEX 1000	6-Jun-02	2	<	200		1,000		30,000		6,000		5.6
Dilution factor for BEX 100, Toluene 200	20-Nov-03	4	<	20		1,500		40,000		7,400	J	6.0
	15-Jun-04	2	<	100		1,400		46,000		6,600	J	4.0
Dilution factor for BTEX 100, Toluene 500	10-Aug-04	3	<	20		2,100		56,000		11,000	J	2.0
MW19-1												
Dilution factor for BTEX 200	12-Mar-98	1	<	40		219		4,270		1,160		190
	2-Aug-01	3	<	0.2		1.2	<	0.2	<	0.2		85
	5-Jun-02	2	<	0.22	<	0.18	<	0.24	<	0.2		0.6
	19-Nov-03	4	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	15-Jun-04	2	<	0.2	<	0.2		1.7	<	0.6		11.0
	10-Aug-04	3	<	0.2	<	0.2	J	0.6	<	0.6	<	1.0
MW19-2												
Dilution factor for BTEX 250	12-Mar-98	1	<	50		1,130		9,830		6,010		8.8
Dilution factor for BTEX 2	1-Aug-01	3	<	0.4		21		160		82		16
	5-Jun-02	2	<	0.22		19		36		39	<	0.4
	19-Nov-03	4	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	15-Jun-04	2	<	0.2		1.2		29.0		4.8	<	1.0
	10-Aug-04	3	<	0.2		28.0		150.0		100.0	J	1.0
MW19-3												
	12-Mar-98	1	<	0.2	<	0.14	<	0.14	<	0.5	<	1.2
	2-Aug-01	3	<	0.2	<	0.2	<	0.2	<	0.2	<	0.5
	5-Jun-02	2	<	0.22	<	0.18	<	0.24	<	0.2	<	0.5
	19-Nov-03	4	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
MW19-4												
	12-Mar-98	1	<	0.2	<	0.14	<	0.14	<	0.5	<	1.3
	2-Aug-01	3	<	0.2	<	0.2	<	0.2	<	0.2	<	0.5
	6-Jun-02	2	<	0.22	<	0.18	<	0.24	<	0.2	<	0.5
	19-Nov-03	4	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
MW19-5												
Dilution factor for BTEX 5000	12-Mar-98	1	<	1,000		1,920		123,000		10,100		42
Dilution factor for BTEX 1000	2-Aug-01	3	<	190		870		79,000		5,200		3.2
Dilution factor for BTEX 500	7-Mar-02	1	<	140		300		10,000		1,700		1.3
Dilution factor for BTEX 5000, for DEHP 20	5-Jun-02	2	<	1,100		1,100		92,000		6,300	<	9.8
Dilution factor for BTEX 5000, for DEHP 20	5-Jun-02	2 duplicate	<	1,100		1,300		92,000		6,900	<	9.4
	19-Nov-03	4	<	0.2	<	0.2		4.3	J	0.9	<	0.9
	18-Dec-03	4 resample	<	0.2		3.7		240.0		24.0	<	0.9
	16-Jun-04	2	<	100.0		1,400		83,000		7,400	J	1.0
	10-Aug-04	3	<	200.0		2,800		140,000		14,000	J	1.0
MW19-6												
Dilution factor for BTEX 200	15-Nov-99	4	<	62		94		3,400		500		32
Dilution factor for BTEX 2	1-Aug-01	3	<	0.4		14		390		47		28
	5-Jun-02	2	<	0.22		1.7		13		4.1		2.3
	18-Nov-03	4	<	0.2	<	0.2	J	0.3	<	0.6	J	6
	17-Jun-04	2	<	0.2	J	0.4		1.1		1	J	3.0
	10-Aug-04	3	<	0.2		4.6		38.0		18	J	4.0

TABLE 9
L.E. CARPENTER - Wharton, New Jersey
MW19/Hot Spot 1 Groundwater Monitoring Data

MONITORING WELLS	SAMPLE DATE	QUARTER	ANALYTICAL PARAMETERS: Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1		700		1,000		40		30	
MW19-7												
Dilution factor for BTEX 50	15-Nov-99	4	<	16		100		51		1,400	<	4.1
Dilution factor for BTEX 2	1-Aug-01	3		6.7		6.6		13		680	<	0.4
Dilution factor for BTEX 5	7-Mar-02	1		3	<	1.3	<	1.3		250		1.6
	5-Jun-02	2		0.48		1.6		27		27	<	0.4
	19-Nov-03	4		4.7	J	0.4	J	0.3		460	J	1.0
	16-Jun-04	2	J	2.8		130.0		2,100.0		630	<	1.0
	16-Jun-04	2 duplicate	J	4.0		130.0		2,100.0		610	<	1.0
	10-Aug-04	3		2.0		1.6		1.3		20	<	1.0
MW19-8												
Dilution factor for BTEX 50	15-Nov-99	4	<	0.31	<	0.38	<	0.34	<	0.4	<	4.1
Dilution factor for BTEX 2	1-Aug-01	3		0.5	<	0.2	<	0.2	<	0.2	<	0.4
	5-Jun-02	2	<	0.22	<	0.18	<	0.24	<	0.2	<	0.4
	19-Nov-03	4	<	0.20	<	0.20	<	0.20	<	0.6	<	0.9
	17-Jun-04	2	<	0.20	<	0.20	<	0.20	<	0.6	<	1.0
	11-Aug-04	3	<	0.20	<	0.20	<	0.20	<	0.6	<	1.0
MW19-9D												
Dilution factor for BTEX 2	1-Aug-01	3	<	0.2	<	0.2	<	0.2	<	0.2		0.5
	5-Jun-02	2	<	0.22	<	0.18	<	0.24	<	0.2		1.9
	19-Nov-03	4	<	0.20	<	0.20	<	0.20	<	0.6	J	1.0
	16-Jun-04	2	<	0.20	<	0.20	<	0.20	<	0.6	J	2.0
	10-Aug-04	3	<	0.20	<	0.20	<	0.20	<	0.6	<	1.0
MW19-10												
	17-Jun-04	2	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Aug-04	3	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Aug-04	3 duplicate	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
GEI-2I	24-Feb-95	1	<	0.3	<	0.3		0.4	<	0.1		27
	6-Jun-02	2	<	0.22	<	0.18	<	0.24	<	0.2		1.4
GEI-2S	24-Feb-95	1	<	8.2		46		1,500		380		7.6
	25-Mar-98	1		NS		NS		NS		NS	B	2.5
	6-Jun-02	2		1.2		2.6		16		5.1		2.4
	18-Dec-03	4	<	0.2	<	0.2	J	0.4	<	0.6	<	1.0

LEGEND

ug/L = micrograms per liter

NJGWQS = New Jersey Groundwater Quality Standards

ROD: Record of Decision

NA = Not Applicable

NS = Not Sampled

ND: No Detection

NR = Not Run

duplicate = Duplicate sample

680 : Concentration exceeds NJGWQS

B: Analyte also detected in blank

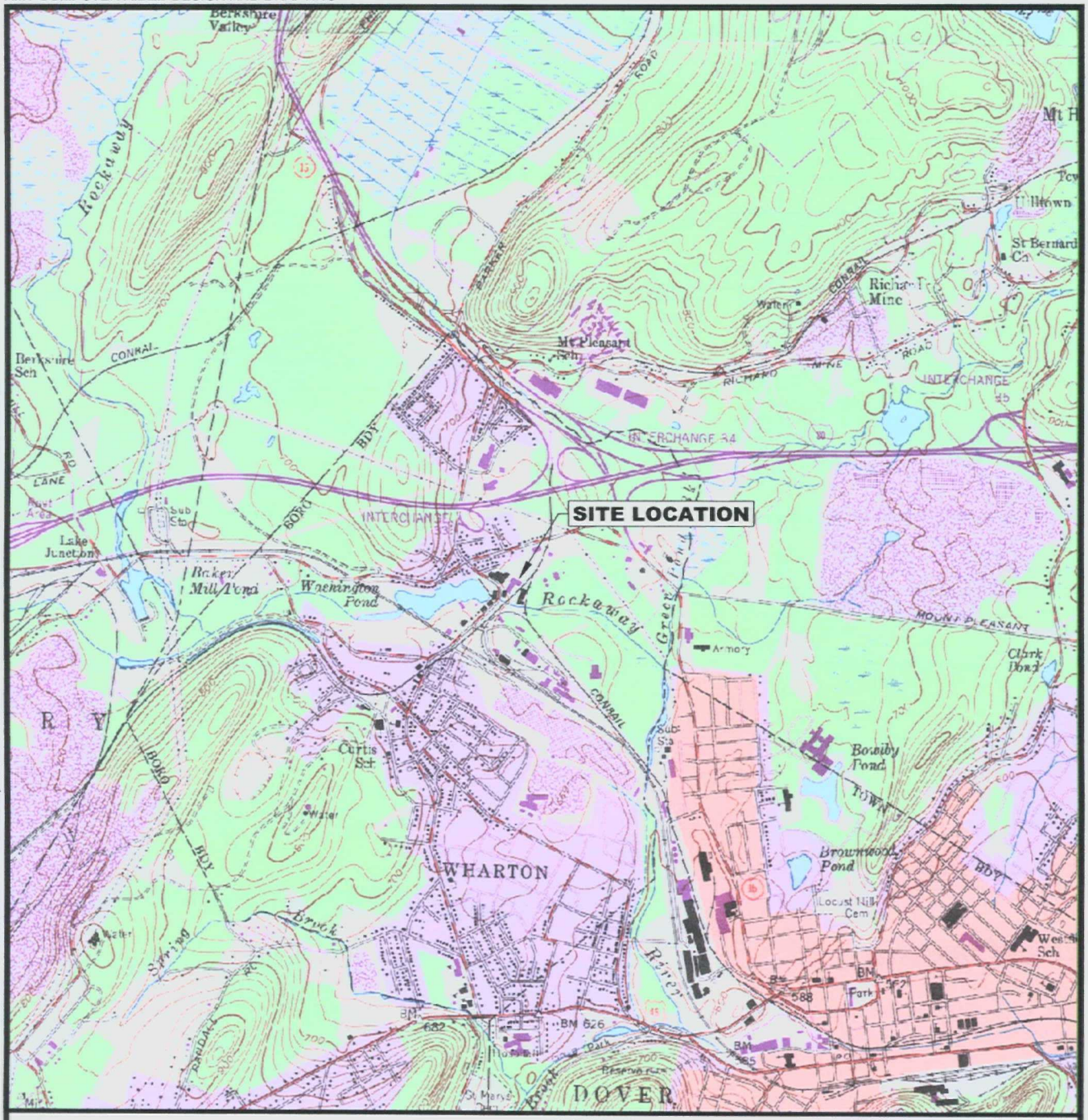
J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

NOTES

(1) Low flow sampling initiated 1st quarter 2002

(2) GEI series wells are piezometers installed by Weston

Figures



NEW JERSEY

QUADRANGLE LOCATION

N

0 2000' 4000'

APPROXIMATE SCALE IN FEET

SOURCE

BASE MAP DEVELOPED FROM THE DOVER, NEW JERSEY 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP, DATED 1954, PHOTOREVISED 1981.

RMT INC.

LE CARPENTER
WHARTON, NEW JERSEY

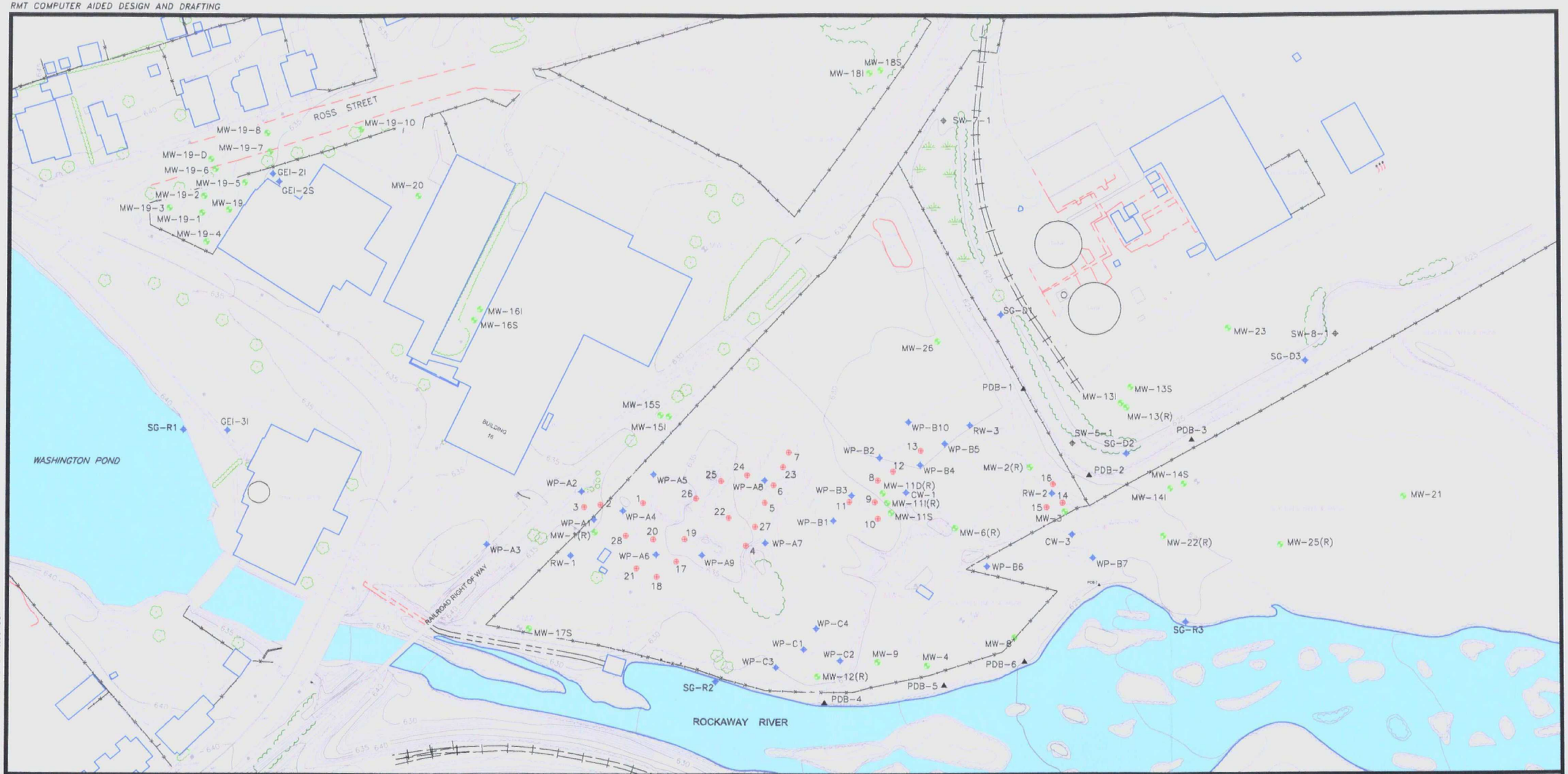
SITE LOCATION MAP
3rd QUARTER 2004

DRAWN BY:	SJL
APPROVED BY:	JO
PROJECT NUMBER:	6527.02
FILE NUMBER:	65270241.DWG
DATE:	OCTOBER 2004

FIGURE 1

PLOT DATA
Drawing Name: J:\06527\02\65270241.dwg
Operator Name: Scale: lucidos 1"=2000'
Dwg Size: Plot Date: 88568 Bytes Wednesday, October 6, 2004
Plot Time: Attached Xref's: 09:00:41 39 AM No xref's Attached.

RMT COMPUTER AIDED DESIGN AND DRAFTING



LEGEND

	PROPERTY LINE	WP-B7	WELL POINTS
	FENCE	SG-R1	RIVER POINT
MW-21	MONITORING WELL	SG-D1	DRAINAGE CHANNEL POINT
	ABANDONED WELL	GEI-2I	PIEZOMETERS
13	ENHANCED FLUID RECOVERY WELL	SW-7-1	SURFACE WATER SAMPLE
RW-2	RECOVERY WELL	PDB-1	PASSIVE DIFFUSION BAG LOCATION AND NUMBER
CW-3	CAISSON WELLS		

NOTES

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

2. PDBs WERE INTSALLED AT THE GROUND WATER SURFACE INTERFACE.

N

0 100' 200'

SCALE IN FEET

L.E. CARPENTER
WHARTON, NEW JERSEY

SITE PLAN WITH WELL LOCATIONS
3rd QUARTER 2004

DRAWN BY:	SJL	PROJECT NUMBER:	6527.02
CHECKED BY:	JO	FILE NUMBER:	65270242.DWG
APPROVED BY:	NC	DATE:	OCTOBER 2004

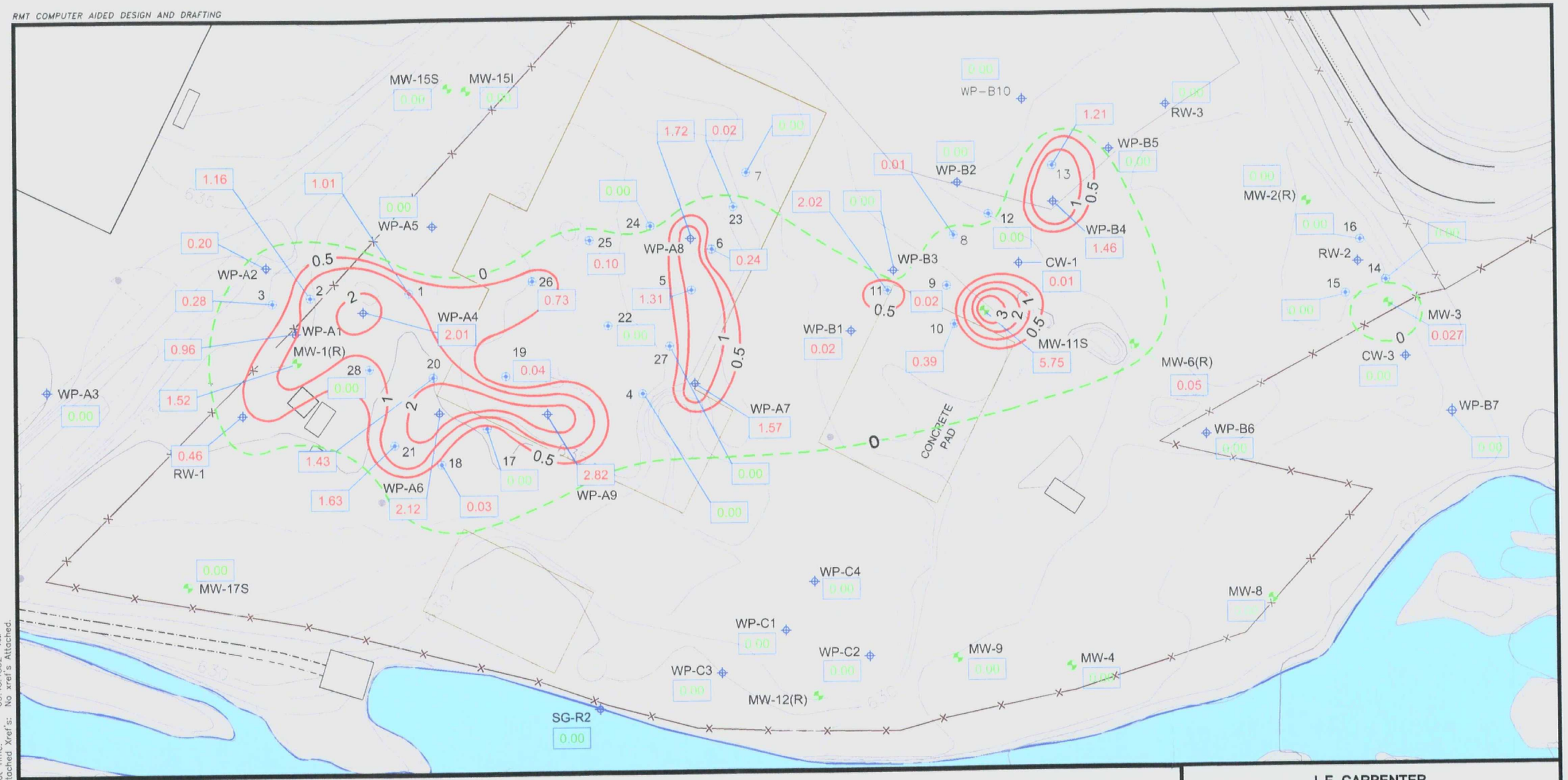
RMT INC.
1143 HIGHLAND DRIVE, SUITE B
ANN ARBOR, MI. 48108-2237
PHONE: 734-971-7080
FAX: 734-971-9022

FIGURE 2

PLOT DATA
Drawing Name: J:\06527\02\65270242.dwg
Operator Name: lucidos
Scale: 1"=1'
Dwg Size: 1208020 Bytes
Plot Date: Tuesday, October 26, 2004
Plot Time: 09:45:27PS AM
Attached Xref's: No xref's Attached.

Layout Name: Site Plan - 3rd Quarter 2004

RMT COMPUTER AIDED DESIGN AND DRAFTING



LEGEND

FENCE LINE	
SS	APPROXIMATE LOCATION OF ROCKAWAY RIVER REGIONAL INTERCEPTOR SEWER
MW-19-7	MONITORING WELL LOCATION AND NUMBER WITH CONCENTRATION OF TOTAL BTEX (mg/L)
1	APPARENT PRODUCT THICKNESS CONTOURS (FT)
0	APPROXIMATE OUTER LIMIT OF FREE PRODUCT
0.00	NO MEASURABLE PRODUCT
1.13	PRODUCT THICKNESS MEASURED IN WELL (FT) (Measurements collected at monitoring wells andwell points) on August 9, 2004 by RMT, Inc.) (Measurements collected at EFR wells on August 12, 2004 by CEMCO)
MW-13S	MONITORING WELL
MW-24	ABANDONED WELL
RW-2	RECOVERY WELL
CW-3	CAISSON WELLS
WP-B7	WELL POINTS WITH ELEVATION
13	ENHANCED FLUID RECOVERY WELL (EFR)

N

0 40' 80'

SCALE IN FEET

L.E. CARPENTER
WHARTON, NEW JERSEY

FREE PRODUCT THICKNESS MAP
3rd QUARTER 2004

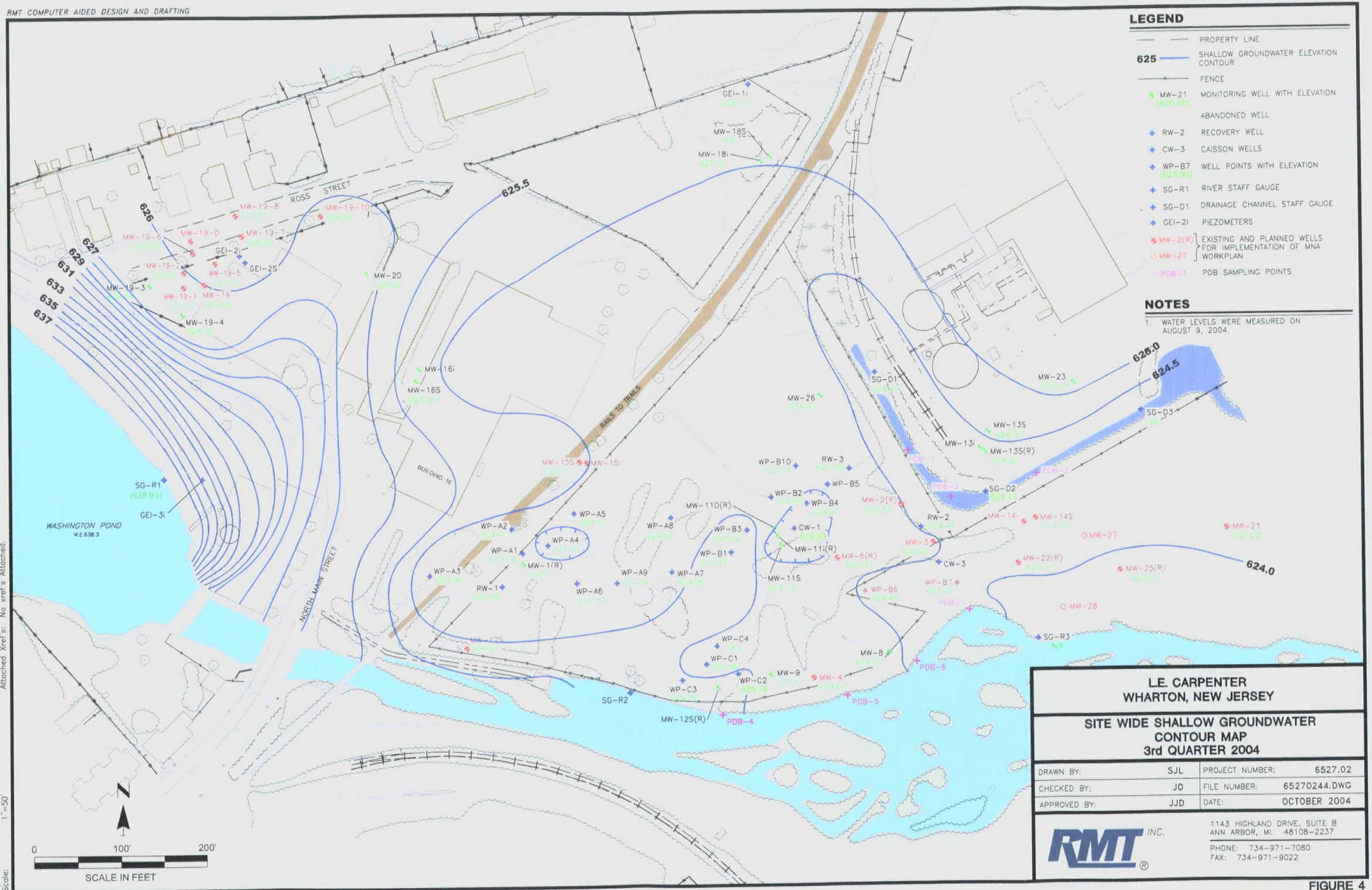
DRAWN BY:	SJL	PROJECT NUMBER:	6527.02
CHECKED BY:	JO	FILE NUMBER:	65270243.DWG
APPROVED BY:	JDD	DATE:	OCTOBER 2004

RMT INC.
1143 HIGHLAND DRIVE, SUITE B
ANN ARBOR, MI. 48108-2237
PHONE: 734-971-7080
FAX: 734-971-9022

FIGURE 3

PLOT DATA
Drawing Name: J:\06527\02\65270243.dwg
Operator Name: lucidos
Scale: 1"=1'
Dwg Size: 1277039 Bytes
Plot Date: Tuesday, October 26, 2004
Plot Time: 09:45:48.52 AM
Attached Xref's: No xref's Attached.

RMT COMPUTER AIDED DESIGN AND DRAFTING



L.E. CARPENTER
WHARTON, NEW JERSEY

SITE WIDE SHALLOW GROUNDWATER CONTOUR MAP
3rd QUARTER 2004

DRAWN BY:	SJL	PROJECT NUMBER:	6527.02
CHECKED BY:	JO	FILE NUMBER:	65270244.DWG
APPROVED BY:	JJD	DATE:	OCTOBER 2004

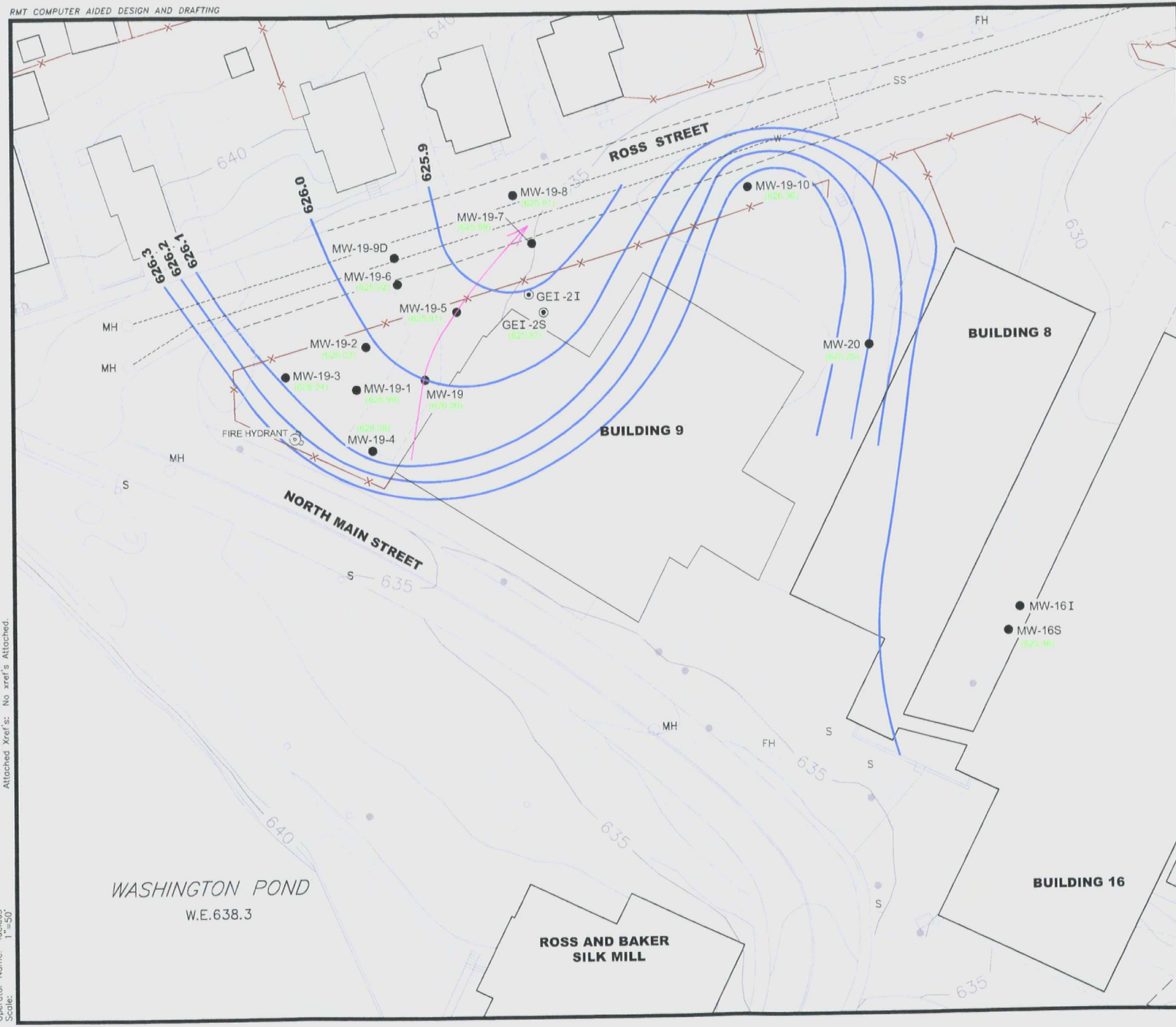
RMT INC.
1143 HIGHLAND DRIVE, SUITE B
ANN ARBOR, MI. 48108-2237
PHONE: 734-971-7080
FAX: 734-971-9022

FIGURE 4

PLOT DATA
Drawing Name: J:\06527\02\65270244.dwg
Operator Name: lucidos
Scale: 1"=50'
Dwg Size: 1452967 Bytes
Plot Date: Tuesday, October 26, 2004
Plot Time: 09:46.2798 AM
Attached Xref's: No xref's Attached.

Layout Name: Shallow GW Contour Map

RMT COMPUTER AIDED DESIGN AND DRAFTING



LEGEND

- FENCE LINE
- SS — APPROXIMATE LOCATION OF ROCKAWAY RIVER REGIONAL INTERCEPTOR SEWER
- 625.9 — GROUNDWATER ELEVATION CONTOUR
- MW-19-6 (627.80) — MONITORING WELL LOCATION AND NUMBER WITH CONCENTRATION OF TOTAL BTEX (mg/L)
- GEI-2S (627.68) — GEOPROBE INSTALLED PIEZOMETER LOCATION AND NUMBER WITH CONCENTRATION OF TOTAL BTEX (mg/L)
- SS — SANITARY SEWER
- G&W — GAS AND WATER
- E — ELECTRIC
- W — WATER
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES

1. GROUNDWATER ELEVATIONS BASED ON LEVELS MEASURED ON AUGUST 9, 2004.

N

0 40' 80'

SCALE IN FEET

L.E. CARPENTER
WHARTON, NEW JERSEY

MW-19 / HOT SPOT 1 SHALLOW AQUIFER POTENTIOMENTRIC SURFACE MAP
3rd QUARTER 2004

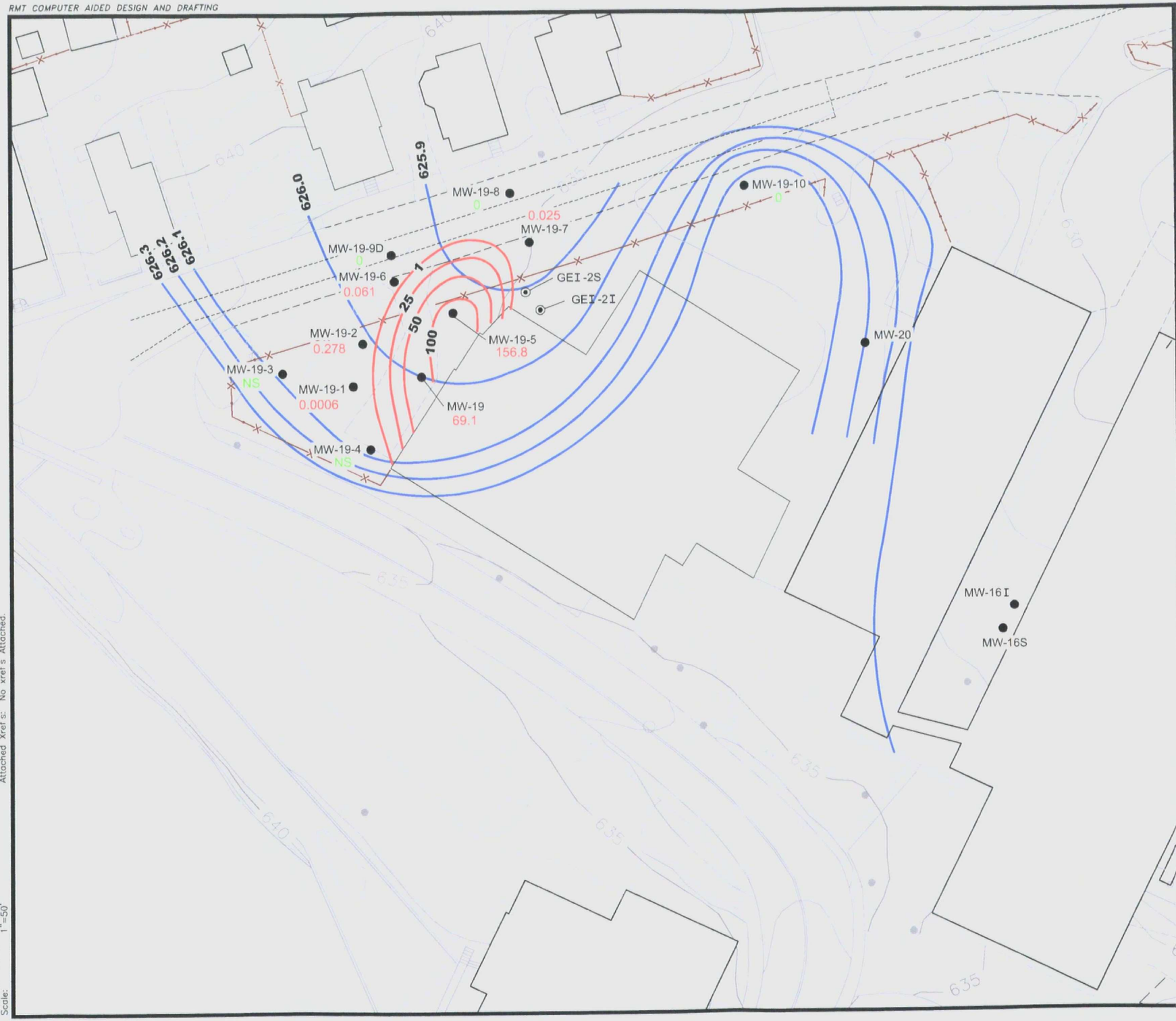
DRAWN BY:	SJL	PROJECT NUMBER:	6527.02
CHECKED BY:	JO	FILE NUMBER:	65270245.DWG
APPROVED BY:	JDD	DATE:	OCTOBER 2004

RMT INC.
1143 HIGHLAND DRIVE, SUITE B
ANN ARBOR, MI. 48108-2237
PHONE: 734-971-7080
FAX: 734-971-9022

FIGURE 5

PLOT DATA
Drawing Name: J:\06527\02\65270245.dwg
Operator Name: lucidos
Scale: 1"=50'
Dwg Size: 915332 Bytes
Plot Date: Tuesday, October 26, 2004
Plot Time: 09:47:0241 AM
Attached Xref's: No xref's Attached.

RMT COMPUTER AIDED DESIGN AND DRAFTING



LEGEND

- FENCE LINE
- SS — APPROXIMATE LOCATION OF ROCKAWAY RIVER REGIONAL INTERCEPTOR SEWER
- 626 — GROUNDWATER ELEVATION CONTOUR
- MW-19-7 2.86 — MONITORING WELL LOCATION AND NUMBER WITH CONCENTRATION OF TOTAL BTEX (mg/L)
- GEI-2S — GEOPROBE INSTALLED PIEZOMETER LOCATION AND NUMBER
- SS — SANITARY SEWER
- G&W — GAS AND WATER
- E — ELECTRIC
- W — WATER
- 50 — ISOCONCENTRATION CONTOUR FOR TOTAL BTEX (ppm). SAMPLES COLLECTED JUNE 14 - 18, 2004.

NOTES

1. GROUNDWATER ELEVATIONS BASED ON LEVELS MEASURED ON AUGUST 9, 2004.
2. NS = NOT SAMPLED.

N

0 40' 80'

SCALE IN FEET

L.E. CARPENTER
WHARTON, NEW JERSEY

MW-19 / HOT SPOT 1
ISOCONCENTRATION MAP
3rd QUARTER 2004

DRAWN BY:	SJL	PROJECT NUMBER:	6527.02
CHECKED BY:	JO	FILE NUMBER:	65270246.DWG
APPROVED BY:	JDD	DATE:	OCTOBER 2004

RMT INC.
1143 HIGHLAND DRIVE, SUITE B
ANN ARBOR, MI. 48108-2237
PHONE: 734-971-7080
FAX: 734-971-9022

FIGURE 6

PLOT DATA
Drawing Name: J:\06527\02\65270246.dwg
Operator Name: lucidos
Scale: 1"=50'
Dwg Size: 907854 Bytes
Plot Date: Tuesday, October 26, 2004
Plot Time: 09:47:5554 AM
Attached Xref's: No xref's Attached.

Figure 7 - Upward Gradient Trend Chart for the MW-14 Well Cluster

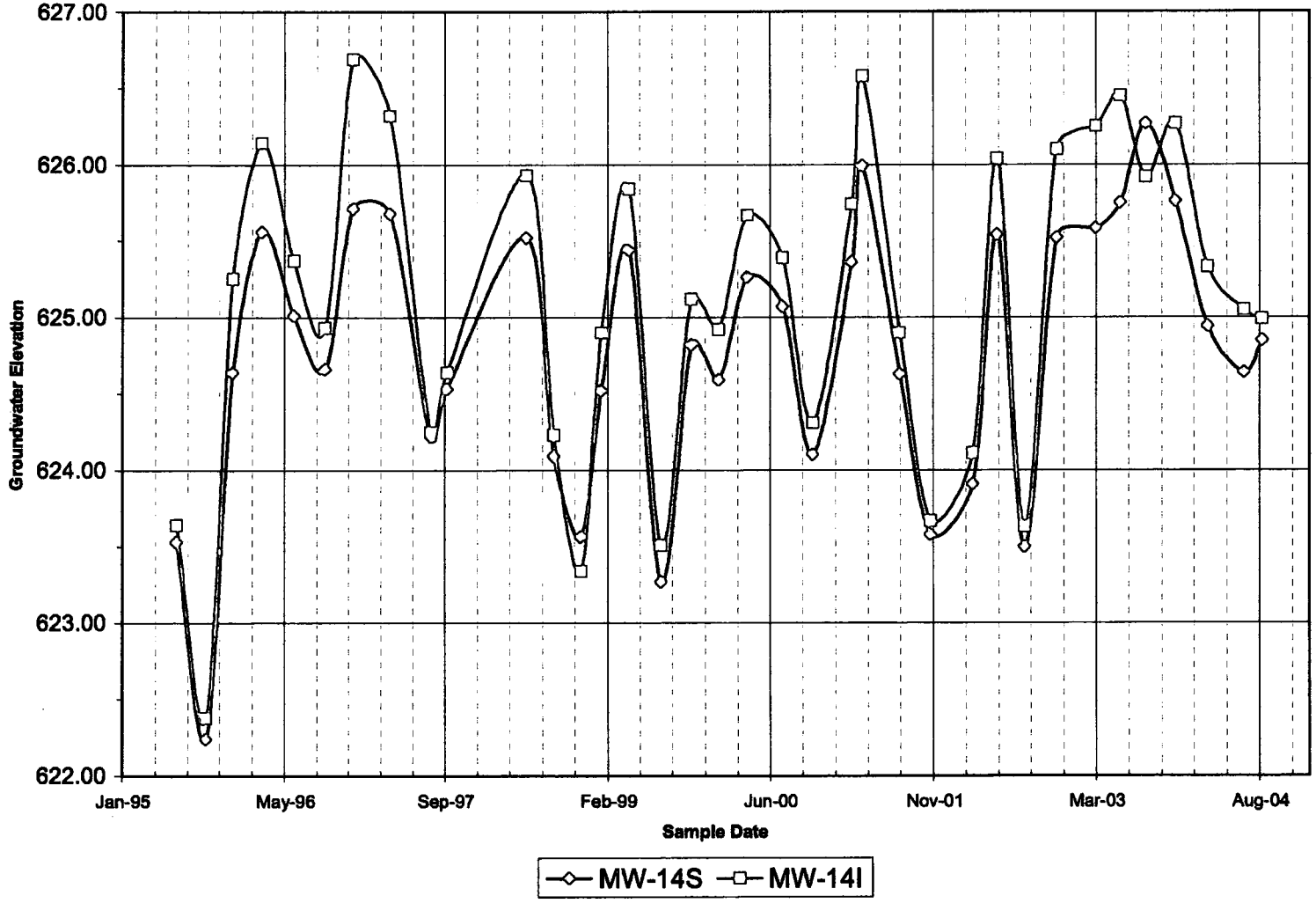
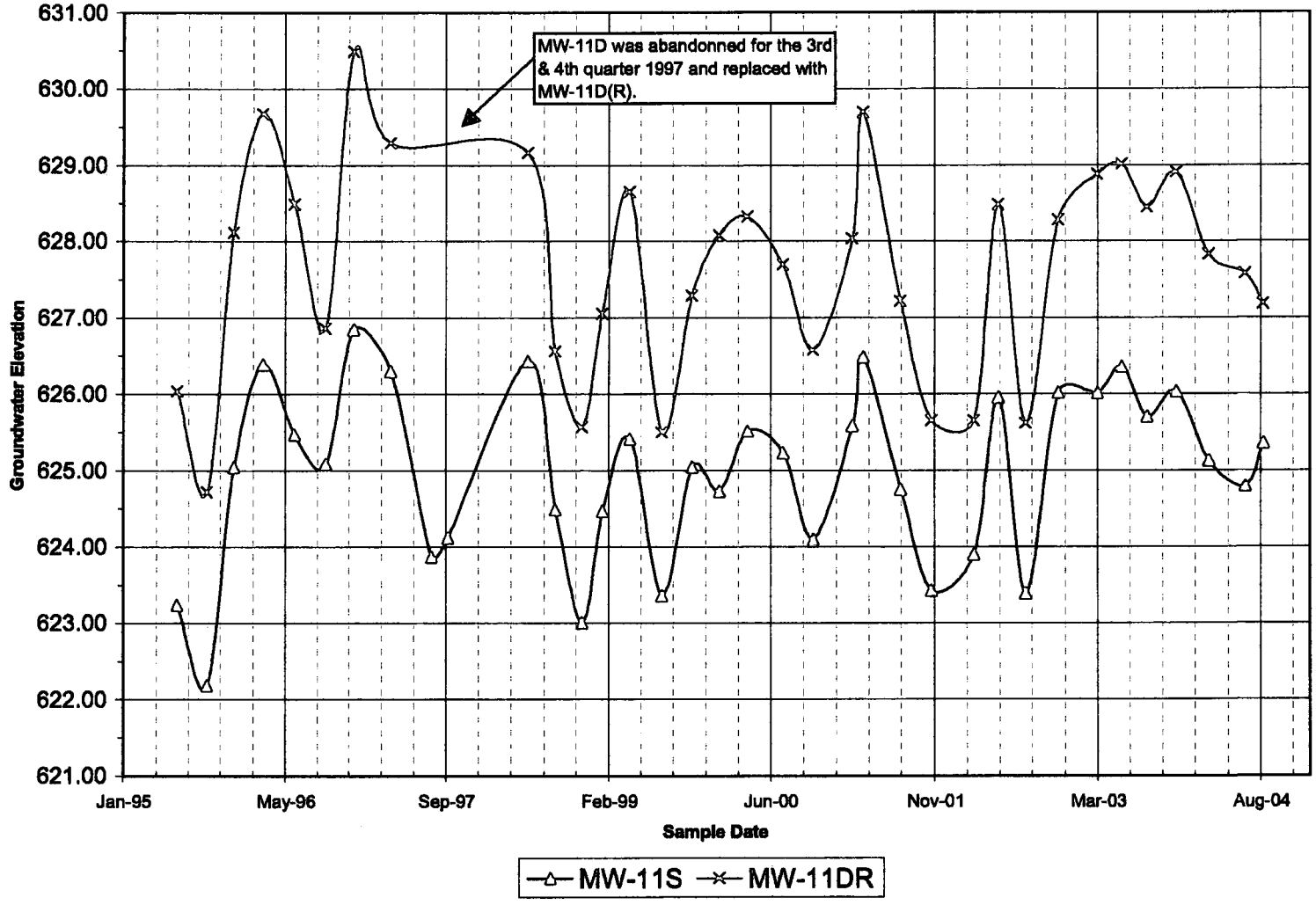


Figure 8- Upward Gradient Trend Chart for the MW-11 Well Cluster



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

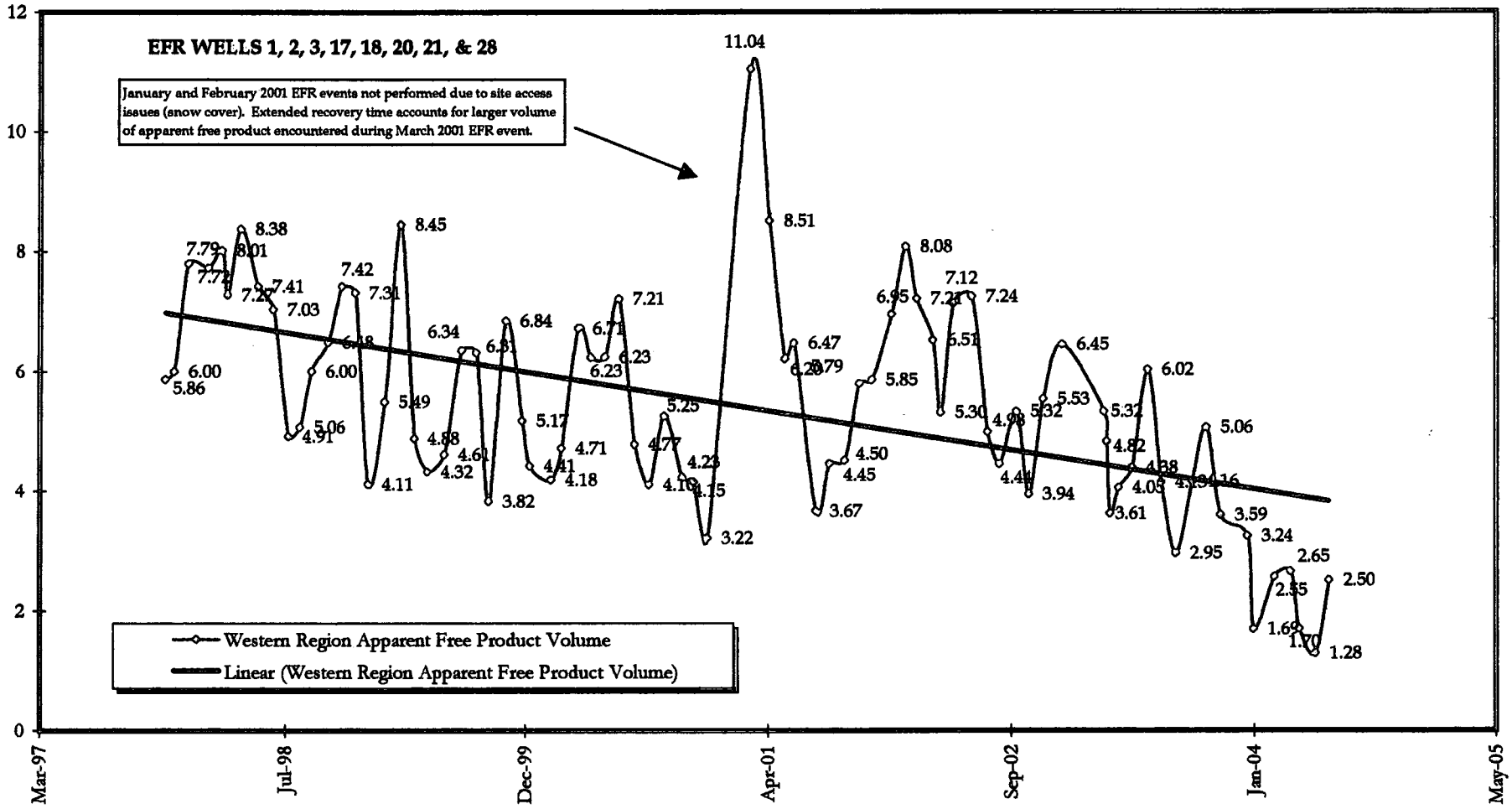
10/29/04

DATE

Appendix B
Apparent Free Product Volume Trend Charts

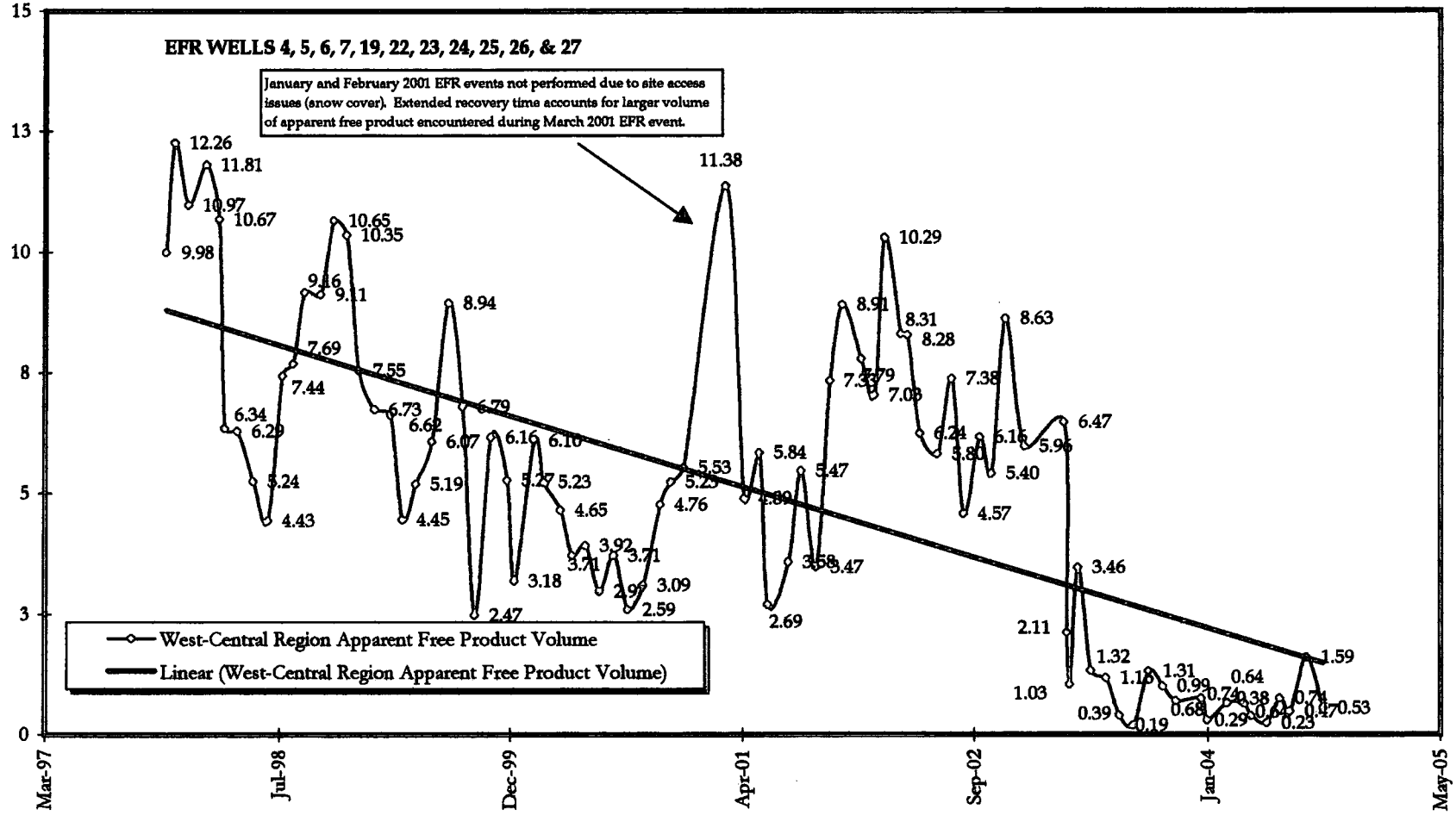
L.E. Carpenter and Company
Western Region of Free Product

Apparent Free Product Volume vs. Time
Through 3rd Quarter 2004



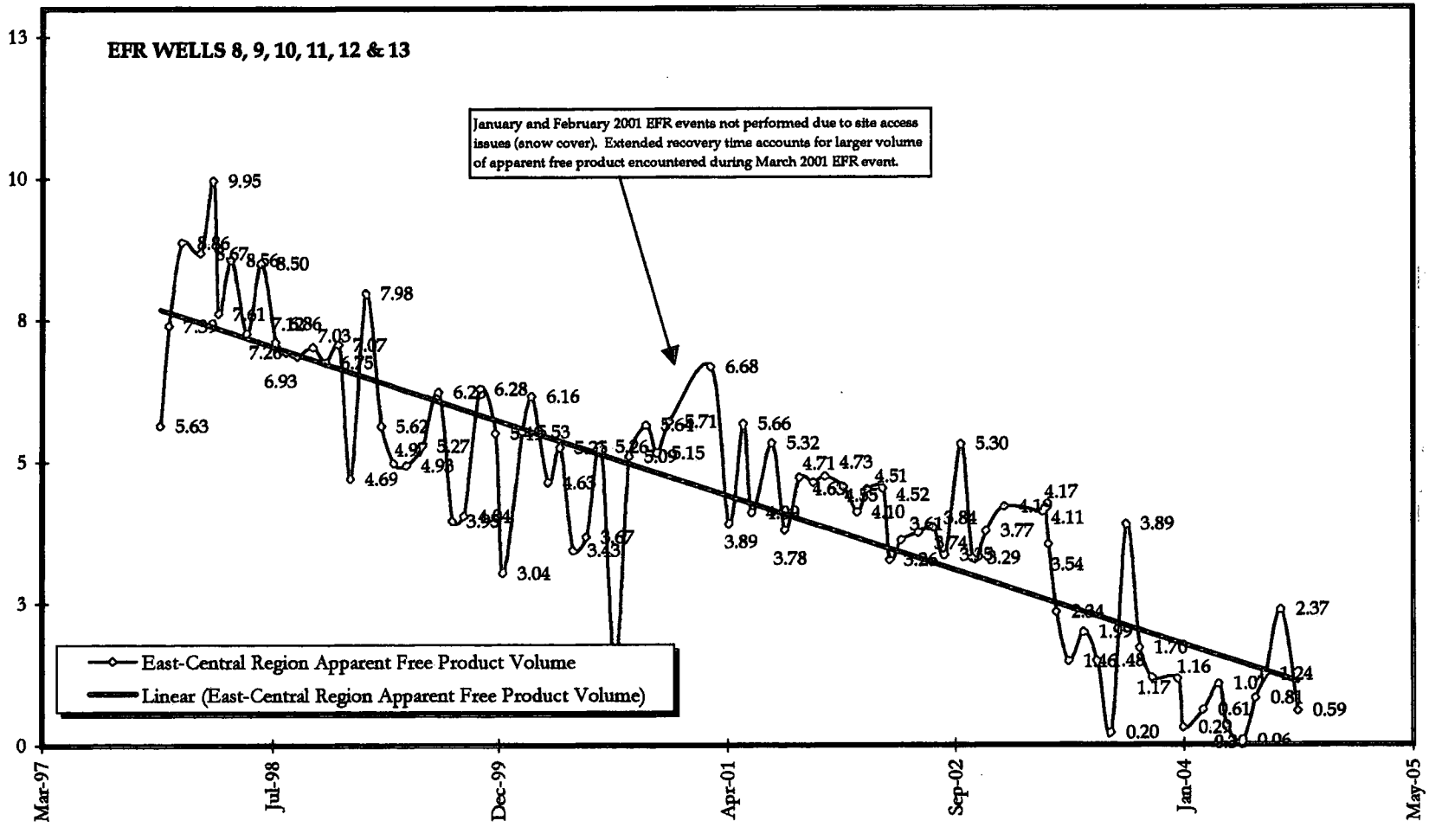
L.E. Carpenter and Company
West-Central Region of Free Product

Apparent Free Product Volume vs. Time
Through 3rd Quarter 2004



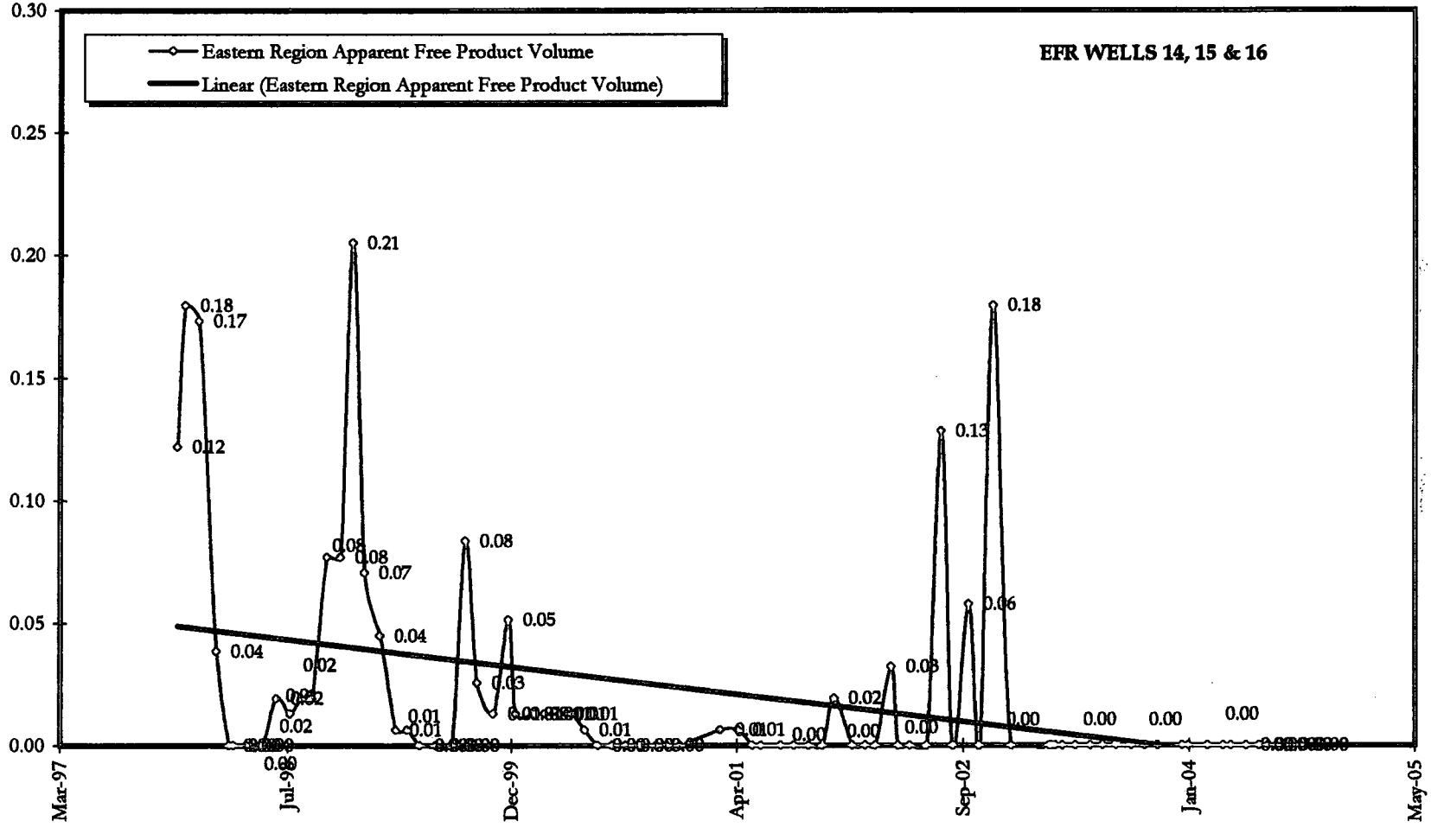
L.E. Carpenter and Company
East-Central Region of Free Product

Apparent Free Product Volume vs. Time
Through 3rd Quarter 2004



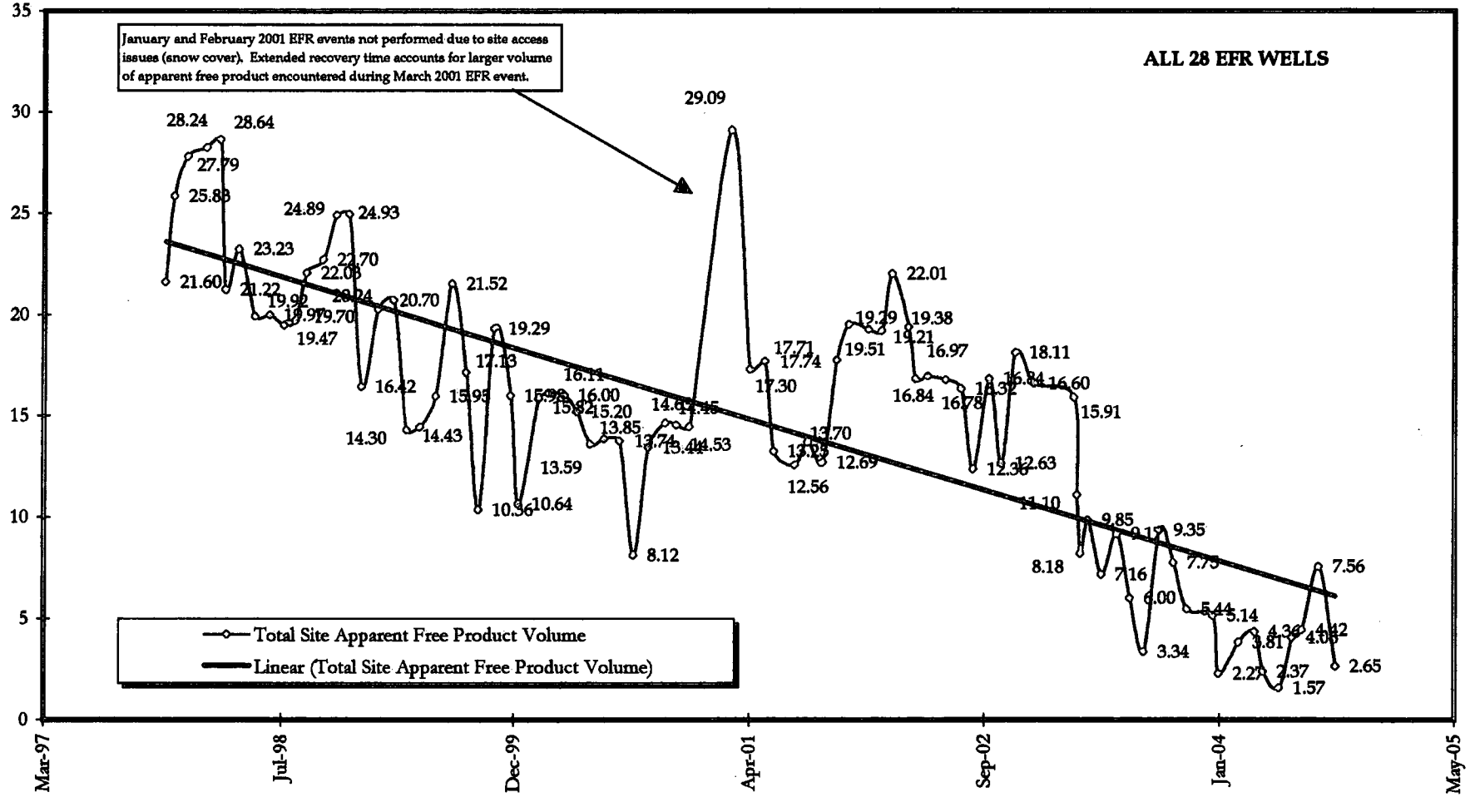
L.E. Carpenter and Company
Eastern Region of Free Product

Apparent Free Product Volume vs. Time
Through 3rd Quarter 2004



L.E. Carpenter and Company
Total Site Free Product

Apparent Free Product Volume vs. Time
Through 3rd Quarter 2004



Appendix C
3rd Quarter 2004 Monitoring Well Sampling Data

RMT®

PROJECT NAME:	L. E. Carpenter
PROJECT NUMBER:	6527.02
LOCATION:	Wharton, NJ
DATES OF FIELD WORK:	August 9- 14/2004
PURPOSE OF FIELD WORK:	3rd Quarter Groundwater Monitoring WLs product level measurements purge/sample wells sample surface water
WORK PERFORMED BY:	Jennifer Overvoorde Eric Vincke

JOvervoorde	8/9/04		10/6/04
Signed	Date	OC'd By	Date

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter DATE: 8/9/04

PROJECT NUMBER: 6527.02 AUTHOR: J. Overvoorde

TIME ARRIVED ON SITE: 7:30 am TIME LEFT SITE: 4:00 pm

WEATHER:

Temperature: 85 F° Wind: 5-10 MPH Visibility: sunny, clear

WORK/SAMPLING PERFORMED:

measured product / WLs

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

Called Steve Davies from Lancaster to cancel courier pick-up for today - no pump - at FedEx.

COMMUNICATIONS:

Name/Representing: Dave Condon, Nick Clevett

Subject/Comments: keys to storage building / locks, using interface in MW-22R / WP-B7 / WP-B6,

Signed: J Overvoorde QC: [illegible]

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter DATE: 8/10/04

PROJECT NUMBER: 6527.02 AUTHOR: J. Overvorde

TIME ARRIVED ON SITE: 700 am TIME LEFT SITE: 1930

WEATHER:
Temperature: 85 F° Wind: 5-15 MPH Visibility: Sunny, clear

WORK/SAMPLING PERFORMED:

sampled: MW-19-9D, MW-19-6, MW-19, MW-19-1, MW-19-2 (+ atmosph. blank), ~~MW-19~~ MW-19-5, MW-19-7

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

MW-3, MW-6(R) not sampled due to free product present

COMMUNICATIONS:

Name/Representing: —

Subject/Comments:

Signed: JOvervorde QC: [illegible]

RMT

GENERAL NOTES

PROJECT NAME: LEC
DATE: 8/11/04
PROJECT NUMBER: 6527.02
AUTHOR: J. Overvoorde
TIME ARRIVED ON SITE: 7^00
TIME LEFT SITE: 18^00 to 8/11/04

WEATHER:
Temperature: 84 F°
Wind: 5-10 MPH
Visibility: hazy, partly sunny

WORK/SAMPLING PERFORMED:

Continuing sampling:
MW-19-10 (w/ Dup-01), MW-19-8, MW-15S
MW-15I, MW-11DR, WP-B7, WP-B6,
SW-1, SW-2, MW-22R

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

Bailed WP-B7 + WP-B6 because of high levels of contaminants - keep pump away from product.

COMMUNICATIONS:

Name/Representing: Janet Sanders
Subject/Comments: Air Products access

Signed: JOvervoorde
QC: [illegible]

GENERAL NOTES

PROJECT NAME: LEC
DATE: 8/12/04
PROJECT NUMBER: 6527.02
AUTHOR: J. Overvoorde
TIME ARRIVED ON SITE: 7^00
TIME LEFT SITE: 19^30

WEATHER:
Temperature: 78 F°
Wind: 0-5 MPH
Visibility: Rain, cloudy

WORK/SAMPLING PERFORMED:

Finished sampling: MW-17S, MW-14S, MW-14I, MW-4, MW-25(R) (+ Dup-02), MW-21 (+ Rinse Blank), MW-2

cleaned out storage building

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

Bailed MW-2 because no connector parts for tubing. Sheen prevalent on purge water.

COMMUNICATIONS:

Name/Representing: Met CH2M Hill rep on-site at Air Products

Subject/Comments: take WLs on Air Products

Signed: J Overvoorde
QC: [illegible]

RMT

WATER LEVEL DATA

PROJECT NAME: LEC

DATE: 8/9/04

PROJECT NUMBER: 6527.02

SAMPLER: JO/EV

Well ID	Time	Top of Casing Elevation	Historical Depth to Water	Depth to Product (feet)	Depth to Water (feet)	Depth to Bottom (feet)	Water Elev (MSL)
CW-1	1015			7.60	7.61		
MW-11S	1005			7.86	13.61		
MW-1R	837			1004	1156		
MW-2R	1027			—	7.02	14.53	
MW-3	1033			7.28	7.55	NM	
MW-6R	1036			6.82	6.87	NM	
RW-1	846			1186	1232		
RW-2	1031			—	6.61		
RW-3	1024			—	6.81		
WPA1	834			10.21	11.17		
WPA2	829			13.77	13.97		
WPA4	850			9.91	11.92		
WPA5	854			—	12.32		
WPA6	900			11.78	13.90		
WPA7	955			9.63	11.20		
WPA8	950			12.20	13.92		
WPA9	906			13.80	16.62		
WPB1	940			7.90	7.92		
WPB2	959			—	6.81		
WPB3	943			—	7.51		
WPB4	1019			7.40	8.86		
WPB5	1021			—	5.79		

* Note the Presence of Sheen as an "S"

* All Water Levels Must Include Reference Point and Tape Correction factor, i.e., 1.1 + 0.00 T/PVC.

TYPE OF MEASURING DEVICE: QED MP-30

[signature] 8/9/04

Signed Date

[signature] 10/6/04

QC'd By Date

REV 09/98

F-183

RMT

WATER LEVEL DATA

PROJECT NAME: LEC

DATE: 8/9/04

PROJECT NUMBER: 6527.02

SAMPLER: JO/EV

Well ID	Time	Top of Casing Elevation	Historical Depth to Water	Depth to Product (feet)	Depth to Water (feet)*	Depth to Bottom (feet)	Water Ele. (MSL)
MW-11DR	1006			—	5.91		
MW-11IR	1001			—	8.05		
MW-16I	1227			—	8.87		
MW-16S	1230			—	8.41		
MW-19	1147			—	9.90		
MW19-1	1144			—	9.65		
MW19-2	1148			—	10.27		
MW19-3	1141			—	10.66		
MW19-4	1154			—	9.35		
MW19-5	1157			—	9.65		
MW-20	1223			—	9.97		
MW-22	1358			—	3.46		
MW-21	1418			—	3.98	14.82	
MW-25	1414			—	2.75	8.57	
WPA3	815			—	10.00		
WPB10	1018			—	7.40		
WPB6	1352			—	6.77		
WPB7	1347			—	4.86		
WPC1	924			—	7.95		
WPC2	928			—	8.68		
WPC3	923			—	8.99		
WPC4	930			—	dry		

* Note the Presence of Sheen as an "S"

* All Water Levels Must Include Reference Point and Tape Correction factor, i.e., 1.1 + 0.00 T/PVC.

TYPE OF MEASURING DEVICE: QED MP30

Signed: [signature] Date: 8/9/04

QC'd By: [signature] Date: 10/6/04

REV 09/98

RMT

WATER LEVEL DATA

PROJECT NAME: LEC

DATE: 8/9/04

PROJECT NUMBER: 6527.02

SAMPLER: JO/EV

Well ID	Time	Top of Casing Elevation	Historical Depth to Water	Depth to Product (feet)	Depth to Water (feet)*	Depth to Bottom (feet)	Water Elev. (MSL)
GEI-1I	1448			—	5.05		
GEI-2I	1159			—	11.39		
GEI-2S	1202			—	11.20		
GEI-3I	1113			—	13.64		
MW_26	1022			—	7.99		
MW-12R	926			—	9.63		
MW-14I	1403			—	3.24		
MW-14S	1404			—	3.56	13.25	
MW-15I	1238			—	11.10		
MW-15S	1236			—	11.14		
MW-17S	844			—	9.12		
MW-18I	1446			—	5.32		
MW-18S	1443			—	dry		
MW19-6	1135			—	9.90		
MW19-7	1212			—	9.11		
MW19-8	1214			—	9.55		
MW19-9D	1133			—	9.63		
MW-4	1458			—	JO ~~4.65~~ 7.23	12.20	
MW-8	1452			—	3.47		
MW-9	1454			—	4.65		
SGR-1	1116			—	1.36		
SGR-2	919			—	3.24		

* Note the Presence of Sheen as an "S"

* All Water Levels Must Include Reference Point and Tape Correction factor, i.e., 1.1 + 0.00 T/PVC.

TYPE OF MEASURING DEVICE: QED MP30

[signature] 8/9/04

Signed Date

[signature] 10/5/04

QC'd By Date

REV 09/98

F-183

RMT

WATER LEVEL DATA

PROJECT NAME: LEC

DATE: 8/9/04

PROJECT NUMBER: 6527.02

SAMPLER: JO/EV

Well ID	Time	Top of Casing Elevation	Historical Depth to Water	Depth to Product (feet)	Depth to Water (feet)	Depth to Bottom (feet)	Water Elev (MSL)
CW-3	13:50			—	8.00		
MW-13I	NA			—	NM 5.50		
MW-13~~R~~D	NA			—	NM 5.59		
MW-13S	NA			—	NM ~~5.59~~ 6.11		
MW-23	NA			—	NM 4.53		
SGD-1	NA			—	~~NM~~ 1.36		
SGD-2	NA			—	NM 1.20 (?)		
SGD-3	NA			—	NM NF		
SGR-3	NA			—	Not Existant		
MW-19-10	12:17			—	8.07		

* Note the Presence of Sheen as an "S"

* All Water Levels Must Include Reference Point and Tape Correction factor, i.e., 1.1 + 0.00 T/PVC.

TYPE OF MEASURING DEVICE: QED MP-30

[signature] 8/9/04

Signed Date

QC'd By [signature] 10/6/04 Date

REV 09/98

F-183

RMT	EQUIPMENT SUMMARY	SHEET: 10 of 72
		DATE: 8/10/04
		CHECKED BY: Drenovsky
PROJECT: LE Carpenter	PROJECT NO: 6527.02	REVIEWED BY:

WATER LEVEL MEASUREMENTS WERE COLLECTED WITH:

QED MP-30
Name and Model Number of Instrument

~~RMT-GRM~~ LEC
Serial Number (if applicable)

DEPTH TO BOTTOM OF WELL MEASUREMENTS WERE COLLECTED WITH:

QED MP-30
Name and Model Number

~~RMT-GRM~~ LEC
Serial Number (if applicable)

PURGING METHOD:

QED Portable Bladder
Name and Model Number of Pump or Type of Bailer

LEC
Serial Number (if applicable)

PURGE WATER DISPOSAL METHOD:

5 gallon buckets into 500 gal AGST

SAMPLING METHOD:

QED Portable Bladder
Name and Model Number of Pump or Type of Bailer

LEC
Serial Number (if applicable)

PE / Teflon Line
Turbing Type

FILTRATION METHOD:

NA
Name and Model Number of Device

NA
Serial Number (if applicable)

NA
Filter Type

NA
Tubing Type

DECONTAMINATION AND FILED BLANK WATER SOURCE:

NA
Potable Water Source (if applicable)

laboratory
DI Water Source

RMT	PH / CONDUCTIVITY METER CALIBRATION LOG		SHEET 10 of 72
			DATE: 8/10/04
PROJECT: LEC			PROJECT NO: 6527.02
LOCATION Wharton, NJ			SAMPLER NAME: JOvernoode
MODEL: Hach	SERIAL NO:		DEVICE OWNER: LEC

pH CALIBRATION

DATE / TIME	pH 4 PRE CALIBRATION READING	pH 4 POST CALIBRATION READING	pH 7 PRE CALIBRATION READING	pH 7 POST CALIBRATION READING	pH 10 PRE CALIBRATION READING	pH 10 POST CALIBRATION READING
8/10/04 8:10	4.30 / 4.00	4.00 / 4.00	6.75 / 7.00	7.00 / 7.00	9.89 / 10.00	10.01 / 10.00
8/10/04 14:55	4.02 / 4.00	4.00 / 4.00	6.89 / 7.00	7.00 / 7.00	9.92 / 10.00	10.00 / 10.00
8/11/04 7:28	4.10 / 4.00	4.00 / 4.00	7.01 / 7.00	7.00 / 7.00	10.02 / 10.00	10.00 / 10.00
8/11/04 14:00	4.07 / 4.00	4.00 / 4.00	6.99 / 7.00	7.00 / 7.00	10.05 / 10.00	10.00 / 10.00
8/12/04 7:35	3.98 / 4.00	4.00 / 4.00	7.05 / 7.00	7.00 / 7.00	9.98 / 10.00	10.00 / 10.00
8/12/04 14:13	4.01 / 4.00	4.00 / 4.00	6.99 / 7.00	7.00 / 7.00	9.98 / 10.00	10.00 / 10.00
	/ 4.00	/ 4.00	/ 7.00	/ 7.00	/ 10.00	/ 10.00
	/ 4.00	/ 4.00	/ 7.00	/ 7.00	/ 10.00	/ 10.00

Buffer Log Numbers: pH4: 4125 pH7: 4110 pH 10: 4109 Solution Source VWR / lab

CONDUCTIVITY CALIBRATION

DATE / TIME	CONDUCTIVITY SOLUTION (units)	PRE CALIBRATION READING (units)	POST CALIBRATION READING (units)
8/10/04 8:10	1412	1423	1412
8/10/04 14:55	1412	1406	1412
8/11/04 7:28	1412	1397	1412
8/11/04 14:00	1412	1409	1412
8/12/04 7:35	1412	1410	1412
8/12/04 14:13	1412	1411	1412

CALIBRATION SOLUTION LOT NUMBER: 2815 CALIBRATION RANGE FOR SOLUTION: ± 1.0%

PROBLEMS / CORRECTIVE ACTIONS:

J Overoode 8/10/04
SIGNED DATE

REVIEWED BY 10/6/04
DATE

F-185 06/03

H:\FORMS\GRM FIELD FORMS\LEC Field Forms_2004.xls

RMT	TURBIDITY METER CALIBRATION LOG		SHEET 12 of 72
PROJECT: LEC			DATE: 8/10/04
LOCATION: Wharton, NJ			PROJECT NO: 6527.02
MODEL: Hach		SERIAL NO:	SAMPLER NAME: JOverturde
			DEVICE OWNER: LEC

DATE / TIME	0 - 10 NTU READING	0 - 100 NTU READING	0 - 1000 NTU READING	Comments
8/10/04 8:00	5	49	495	
8/10/04 14:55	5	49	489	
8/11/04 7:28	5	50	498	
8/11/04 14:00	5	49	497	
8/12/04 7:35	5	50	498	
8/12/04 14:13	5	50	498	

CALIBRATION SOLUTION LOT NUMBER: NA CALIBRATION RANGE FOR SOLUTION: NA

PROBLEMS / CORRECTIVE ACTIONS:

JOverturde 8/10/04
SIGNED DATE

REVIEWED BY 10/6/04
DATE

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-6R

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/9/04

SAMPLER: JO/EV

Type of pump used:

Pumping rate (milliliters/minute): NA

Water level before purging (nearest 0.01 ft. below reference point) + T/

Depth to bottom of well (obtained from well logs) + T/

Calculated volume of water in casing

Weather conditions

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
			Not sampled- free prod present						

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed: [signature] Date: 8/9/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: /	SAMPLE TIME: /

WELL INFORMATION	WELL ID: MW-6R	WELL DIAMETER: 2"
WELL MATERIAL: ~~SS~~ PVC	WELL CONDITIONS: good	
STATIC WATER LEVEL: 6.87	TOTAL DEPTH: 10.98	
FREE PRODUCT: ☐ SHEEN ☒ MEAS. THICKNESS: .05	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: (use purge form)	
SAMPLING PUMP: NA	PNEUMATIC SOURCE	
BLADDER TYPE: (new / used)		
TUBING TYPE:	TUBING CONDITION:	HOW STORED:
WATER QUALITY METER TYPE:	CALIBRATION DATE / TIME	

SAMPLE DESCRIPTION	COLOR:	ODOR:
FINAL D.O. UNITS	FINAL ORP NA UNITS	FINAL TURBIDITY:
FINAL PH:	FINAL COND.	FINAL TEMP.:
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION:
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: NA

BOTTLES FILLED

PRESERVATIVE CODES:
A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	☒N					

CHAIN-OF-CUSTODY NUMBER: NA DATE SHIPPED: NA METHOD: NA

AIRBILL NUMBER: NA SIGNED: Overvoorde DATE: 8/9/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-3

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/9/04

SAMPLER: JO/EV

Type of pump used:

Pumping rate (milliliters/minute):

Water level before purging (nearest 0.01 ft. below reference point) + T/

Depth to bottom of well (obtained from well logs) + T/

Calculated volume of water in casing

Weather conditions

NA

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
		Not sampled - free product present							

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed: [signature] Date: 8/9/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

Sheet 16 of 72

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: /	SAMPLE TIME: /

WELL INFORMATION	WELL ID: MW-3	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: ~~7.28~~ 7.55	TOTAL DEPTH: 27.0	
FREE PRODUCT: ☐ SHEEN ☒ MEAS. THICKNESS: .27	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD:	(use purge form)
SAMPLING PUMP:	PNEUMATIC SOURCE	
BLADDER TYPE: (new / used)	NA	
TUBING TYPE:	TUBING CONDITION:	HOW STORED:
WATER QUALITY METER TYPE:	CALIBRATION DATE / TIME	

SAMPLE DESCRIPTION	COLOR:	ODOR:
FINAL D.O. UNITS	FINAL ORP UNITS	FINAL TURBIDITY:
FINAL PH:	FINAL COND. NA	FINAL TEMP.:
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - ~~HCL~~ F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: NA DATE SHIPPED: NA METHOD: NA

AIRBILL NUMBER: NA SIGNED: J Overvoorde DATE: 8/9/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-19-9D

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/10/04

SAMPLER: JO/EV

Type of pump used: QED portable bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 9.72 + 0.0 T/oc

Depth to bottom of well (obtained from well logs) 35.0+ – T/oc

Calculated volume of water in casing 4.12 gal

Weather conditions clear, sunny, hot, wind 0-5 mph

3.8 L/gal

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
838	400	6.98	612	231	0.4	272	15.62	9.72	0
843		6.98	573	168	0.2	265	15.50	9.84	.53
848		7.02	549	84	0.2	212	15.45	9.90	1.06
853		7.08	546	71	0.2	143	15.44	9.91	1.59
858		7.16	545	56	0.2	79	15.51	9.85	2.12
903		7.26	546	47	0.2	41	15.53	9.85	2.65
908		7.24	546	42	0.2	32	15.50	9.85	3.18
913		7.36	545	33	0.2	21	15.77	9.85	3.71
918		7.37	543	37	0.2	17	15.65	9.86	4.24
923		7.40	545	3.5	0.2	8	15.70	9.86	4.77

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed: [signature] Date: 8/10/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/10/04	SAMPLE TIME: 9:23

WELL INFORMATION	WELL ID: MW-19-9D	WELL DIAMETER: 2"
WELL MATERIAL: SS ~~galv~~ SD	WELL CONDITIONS: good	
STATIC WATER LEVEL: 9.63	TOTAL DEPTH: 35.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Portable Bladder (use purge form)	
SAMPLING PUMP: QED Portable Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: Teflon lined PE	TUBING CONDITION: good	HOW STORED: storage building
WATER QUALITY METER TYPE: QED MP20 Flow-Thru	CALIBRATION DATE / TIME 8/10/04 800	

SAMPLE DESCRIPTION	COLOR: clear w/ tan floaties	ODOR: none
FINAL D.O. 0.2 UNITS mg/L	FINAL ORP 8 UNITS mV	FINAL TURBIDITY: 35 NTU
FINAL PH: 7.40 SU	FINAL COND. 545 umhos/cm	FINAL TEMP.: 15.70 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3 ~~5~~	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
1 ~~2~~	1000 ml	amber	F	☐Y ☒N	~~2~~	1000 ml	plastic	A	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
2/10/04 ~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☐Y ☒N~~					

CHAIN-OF-CUSTODY NUMBER: C063393 DATE SHIPPED: 8/10/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: J Overvoorde DATE: 8/10/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-19-6

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/10/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 9.92+0.0 T/OC

Depth to bottom of well (obtained from well logs) 20.0 + – T/OC

Calculated volume of water in casing 1.64 gal.

Weather conditions partly sunny, wind 5-10, hot

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
950	400	7.38	2480	1.34	1.0	19	18.47	9.92	0
955		7.37	2470	33	1.0	50	17.32	9.88	.53
1000		7.38	2490	13	1.0	57	16.14	9.85	1.06
1005		7.40	2500	9	0.8	67	16.68	9.86	1.59
1010		7.40	2500	4	0.8	78	16.58	9.86	2.12
1015		7.43	2490	4	1.0	83	16.61	9.85	2.65

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

alk 125 ppm CO_2 20 ppm Fe 0.4 ppm Ferrous

JO Vernonde
Signed

8/10/04
Date

QC'd By

10/6/04
Date

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/10/04	SAMPLE TIME: 10:15

WELL INFORMATION	WELL ID: MW-19-6	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 9.90	TOTAL DEPTH: 20.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Portable bladder (use purge form)	
SAMPLING PUMP: QED Port. Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: ~~Teflon lined~~ PE (new / used)		
TUBING TYPE: ~~Teflon~~ PE - teflon lined	TUBING CONDITION: good	HOW STORED: storage room
WATER QUALITY METER TYPE: QED MP20 Flow thru	CALIBRATION DATE / TIME 8/10/04 8:00	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 1.0 UNITS mg/L	FINAL ORP 83 UNITS mV	FINAL TURBIDITY: 4 NTU
FINAL PH: 7.43 SU	FINAL COND. 2490 umhos/cm	FINAL TEMP.: 16.61 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
4 ~~5~~ (8/10/04)	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: 0063393 DATE SHIPPED: 8/10/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: J. Overvoorde DATE: 8/10/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-19

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 8/10/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 320

Water level before purging (nearest 0.01 ft. below reference point) 10.02+0.0 T/OC

Depth to bottom of well (obtained from well logs) 17.0+ ~~0.0~~ T/OC

Calculated volume of water in casing 4.56 gal

Weather conditions mostly sunny, hot, wind 5-10 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp. (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
11:10	320	7.59	926	3	0.4	28	17.37	10.02	0
11:15	↓	7.55	1118	3	0.2	3	16.28	10.02	.42
11:20		7.58	1167	3	0.1	-1	16.25	10.05	.84
11:25		7.59	1169	2	0.1	-4	16.26	10.07	1.26
11:30		7.62	1179	2	0.1	-10	16.18	10.08	1.68

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 200 ppm CO_2 95 ppm Ferrous Fe ≥10 ppm

Soluable Fe 12 ppm

[signature] Signed 8/10/04 Date

[signature] QC'd By 10/6/04 Date

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/10/04	SAMPLE TIME: 1130

WELL INFORMATION	WELL ID: MW-19	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 9.90	TOTAL DEPTH: 17.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Portable Bladder (use purge form)	
SAMPLING PUMP: QED Port. Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: ~~teflon~~ PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: storage building
WATER QUALITY METER TYPE: QED MP20 Flow Thru	CALIBRATION DATE / TIME 8/10/04 800	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.1 UNITS mg/L	FINAL ORP -10 UNITS mV	FINAL TURBIDITY: 2 NTU
FINAL PH: 7.62 SU	FINAL COND. 1179 umhos/cm	FINAL TEMP.: 16.18 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: 0063393 DATE SHIPPED: 8/10/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: Overvoorde DATE: 8/10/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-19-1

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 8/10/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 9.63 + 0.0 T/OC

Depth to bottom of well (obtained from well logs) 17.0 + — T/OC

Calculated volume of water in casing 4.81 gal

Weather conditions mostly sunny, hot, wind 10-15 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1220	400	7.40	1830	112	1.0	3	23.19	9.63	0
1225		7.42	1940	34	1.0	26	18.46	9.66	.53
1230		7.43	1940	31	1.0	45	18.38	9.70	1.06
1235		7.46	1930	22	1.0	61	18.28	9.72	1.59
1240		7.50	1920	10	1.0	72	18.40	9.72	2.12
1245		7.50	1910	10	1.0	80	18.49	9.73	2.65

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 90 ppm CO_2 28 ppm Ferrous Fe 0.2

Signed: [signature] Date: 8/10/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/10/04	SAMPLE TIME: 1245

WELL INFORMATION	WELL ID: mw-19-1	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 9.65	TOTAL DEPTH: 17.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: MA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Port. Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: storage building
WATER QUALITY METER TYPE: QED MP80 Flow-thru	CALIBRATION DATE / TIME 8/10/04 800	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 1.0 UNITS mg/L	FINAL ORP 80 UNITS mV	FINAL TURBIDITY: 10 NTU
FINAL PH: 7.50 SU	FINAL COND. 1910 umhos/cm	FINAL TEMP.: 18.49 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: 0063393 DATE SHIPPED: 8/10/04 METHOD: Lab courier

AIRBILL NUMBER: NA SIGNED: J Overvoorde DATE: 8/10/04

RMT

LOW-FLOW GROUNDWATER SAMPLING
STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-19-2 + atmosph. blank

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 8/10/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 350

Water level before purging (nearest 0.01 ft. below reference point) 10.26 +0.0 T/OC

Depth to bottom of well (obtained from well logs) 16.0+ - T/OC

Calculated volume of water in casing 3.74 gal

Weather conditions mostly sunny, wind 10-15 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp. (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1505	350	7.44	1800	46	5.0	64	18.94	10.26	0
1510		7.42	1810	35	5.0	60	17.59	10.26	.46
1515		7.40	1810	23	5.0	57	17.92	10.30	.92
1520		7.42	1820	15	5.0	58	17.60	10.32	1.38
1525		7.44	1830	9	5.0	58	17.00	10.32	1.84
1530		7.45	1830	9	5.0	59	16.97	10.32	2.30

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 130 ppm

Ferrous Fe 2.0 ppm CO_2 15.5 ppm

J Overmoorde
Signed

8/10/04
Date

QC'd By

10/6/04
Date

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/10/04	SAMPLE TIME: 1530

WELL INFORMATION	WELL ID: MW-19-2	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 10.27	TOTAL DEPTH: 16.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Portable Bladder (use purge form)	
SAMPLING PUMP: QED Port. Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: storage room
WATER QUALITY METER TYPE: QED MP20 Flow Thru	CALIBRATION DATE / TIME 8/10/04 1455	

SAMPLE DESCRIPTION	COLOR: clear	ODOR:
FINAL D.O. 5.0 UNITS mg/L	FINAL ORP 59 UNITS mV	FINAL TURBIDITY: 9 NTUs
FINAL PH: 7.45 SU	FINAL COND. 1830 umhos/cm	FINAL TEMP.: 16.97 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	☒N					

CHAIN-OF-CUSTODY NUMBER: 0063393 DATE SHIPPED: 8/10/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: J Overvoorde DATE: 8/10/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-19-5

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/10/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 9.80 +0.0 T/OC

Depth to bottom of well (obtained from well logs) 16.0 + – T/OC

Calculated volume of water in casing 1.01 gal

Weather conditions mostly sunny, hot, humid, wind 10-15 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1625	400	7.39	1101	388	1.0	80	17.24	9.80	0
1630	400	7.28	1267	116	1.0	89	16.49	9.82	.53
1635	400	7.27	1395	71	1.0	91	16.29	9.78	1.06
1640		7.29	1540	42	1.0	91	16.48	9.79	1.59
1645		7.28	1580	33	1.0	91	16.45	9.79	2.12
1650		7.26	1670	25	1.0	91	16.40	9.80	2.65
1655		7.24	1700	20	1.0	89	16.25	9.80	3.18
1700		7.23	1730	19	1.0	88	16.26	9.80	3.71
1705		7.26	1740	19	1.0	87	16.30	9.80	4.24

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 150 ppm CO2 60 ppm Ferrous Fe 2.0 ppm

J Ovenoorde
Signed

8/10/04
Date

QC'd By

10/6/04
Date

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/10/04	SAMPLE TIME: 1705

WELL INFORMATION	WELL ID: MW-19-5	WELL DIAMETER: 2"
WELL MATERIAL: ~~good~~ PVC	WELL CONDITIONS: good	
STATIC WATER LEVEL: 9.65	TOTAL DEPTH: 16.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Port. Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: storage room
WATER QUALITY METER TYPE: QED MP-30 Flow thru	CALIBRATION DATE / TIME 8/10/04 1455	

SAMPLE DESCRIPTION	COLOR: clear w/ floaties	ODOR: none
FINAL D.O. 1.0 UNITS mg/L	FINAL ORP 87 UNITS mV	FINAL TURBIDITY: 19 NTU
FINAL PH: 7.26 SU	FINAL COND. 1740 umhos/cm	FINAL TEMP.: 16.30 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: 0063394 DATE SHIPPED: 8/10/04 METHOD: Fed Ex

AIRBILL NUMBER: ~~###~~ 841607243961 SIGNED: J Overvoorde DATE: 8/10/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-19-7

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/10/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 9.24 +0.0 T/OC

Depth to bottom of well (obtained from well logs) 20.0+ – T/OC

Calculated volume of water in casing 1.75 gal

Weather conditions sunny, still 0-5 mph, hot, clear

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1806 03	300	7.23	1580	34	2.0	83	24.10	9.24	0
1806 08		6.95	3500	7	2.0	101	17.72	9.26	.39
1806 13		6.90	3970	3	2.0	111	17.15	9.24	.78
1806 18		6.92	4050	2	1.0	110	16.87	9.24	1.17
1806 23		6.92	4050	2	0.8	111	16.87	9.24	1.56
1806 28		6.92	4040	2	1.0	113	16.77	9.24	1.95

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 75 ppm CO_2 70 ppm Ferrous Fe 1.0 ppm

Signed: [signature] Date: 8/10/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/10/04	SAMPLE TIME: 1828

WELL INFORMATION	WELL ID: MW-19-7	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 9.11	TOTAL DEPTH: 20.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Port. Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: tephlon lined PE	TUBING CONDITION: good	HOW STORED: storage building
WATER QUALITY METER TYPE: QED MP-20	CALIBRATION DATE / TIME 8/10/04 1455	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 1.0 UNITS mg/L	FINAL ORP 113 UNITS mV	FINAL TURBIDITY: 2 NTU
FINAL PH: 6.92 NTU	FINAL COND. 4040 umhos/cm	FINAL TEMP.: 16.77 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: 0063394 DATE SHIPPED: 8/10/04 METHOD: Fed Ex

AIRBILL NUMBER: 841607243950 SIGNED: J Overvoorde DATE: 8/10/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

+Dup-01

PROJECT NAME: LEC

WELL NUMBER: MW-19-10

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/11/04

SAMPLER: JO/EV

Type of pump used: Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 8.22 +0.0 T/OC

Depth to bottom of well (obtained from well logs) 20.0+ – T/OC

Calculated volume of water in casing 1.92 gal

Weather conditions cloudy, hazy, warm, still

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
740	400	7.55	1250	398	0.6	163	16.16	8.22	0
745		7.40	1268	131	0.6	133	15.67	8.22	.53
750		7.40	1275	99	0.2	131	15.55	8.18	1.06
755		7.41	1299	69	0.2	126	15.50	8.15	1.59
800		7.39	1327	54	0.2	123	15.40	8.15	2.12
805		7.37	1371	34	0.2	120	15.44	8.18	2.65
810		7.36	1397	28	0.1	119	15.50	8.20	3.18
815		7.38	1430	20	0.1	114	15.57	8.20	3.71
820		7.37	1453	17	0.1	112	15.37	8.20	4.24
825		7.39	1471	12	0.1	110	15.42	8.20	4.77
830		7.38	1483	11	0.1	109	15.51	8.20	5.30
835	↓	7.35	1498	10	0.1	107	15.56	8.20	5.83

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 65 ppm CO_2 20 ppm Ferrous Fe .15 ppm

Signed: [signature] Date: 8/11/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

Sheet 32 of 72

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 8 35

WELL INFORMATION	WELL ID: MW-19-10 +Dup-01	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 8.07	TOTAL DEPTH: 20.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Portable Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: storage building
WATER QUALITY METER TYPE: QED MP20	CALIBRATION DATE / TIME 8/11/04 7:28	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.1 UNITS mg/L	FINAL ORP 107 UNITS	FINAL TURBIDITY: 11
FINAL PH: 7.35 SU	FINAL COND. 1498 umhos/cm	FINAL TEMP.: 15.56
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000ml	plastic	A	☐Y ☒N
1 ~~2~~	1000ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: 0063391 DATE SHIPPED: 8/11/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: Overvoorde DATE: 8/11/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-19-8

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/11/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 9.72 + 0.0 T/OC

Depth to bottom of well (obtained from well logs) 20.0 + — T/OC

Calculated volume of water in casing 1.68 gal

Weather conditions hazy, cloudy, warm, wind 5-10 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
935	400	7.50	1064	114	0.4	93	19.59	9.72	0
940		7.50	1087	53	0.4	87	18.58	9.68	.53
945		7.49	1095	28	0.4	81	18.35	9.63	1.06
950		7.49	1089	14	0.4	68	18.30	9.63	1.59
955		7.49	1087	9	0.4	49	18.26	9.64	2.12
1000		7.52	1093	7	0.4	48	18.29	9.64	2.65

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 100 ppm CO_2 19 ppm Ferrous Fe 2.0 ppm

JO Vernonde
Signed

8/11/04
Date

[signature]
QC'd By

10/6/04
Date

RMT

WATER SAMPLE LOG

Sheet 34 of 72

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 10^00

WELL INFORMATION	WELL ID: MW-19-8	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 9.55	TOTAL DEPTH: 20.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: QED Port. Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: storage building
WATER QUALITY METER TYPE: QED MP20	CALIBRATION DATE / TIME 8/11/04 7^28	

SAMPLE DESCRIPTION	COLOR: clear	ODOR:
FINAL D.O. 0.4 UNITS mg/L	FINAL ORP 48 UNITS mV	FINAL TURBIDITY: 7 NTU
FINAL PH: 7.52 SU	FINAL COND. 1093 umhos/cm	FINAL TEMP.: 18.29 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	☒N					

CHAIN-OF-CUSTODY NUMBER: 0063391 DATE SHIPPED: 8/11/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: Overvoorde DATE: 8/11/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-15MS

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 8/11/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 11.26 + 0.0 T/OC

Depth to bottom of well (obtained from well logs) 25.94+ – T/OC

Calculated volume of water in casing 9.59 gal

Weather conditions partly sunny, hot, wind 0-5 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1042	400	7.66	481	67	1.0	127	18.47	11.26	0
1047		7.60	475	46	1.0	129	18.09	11.26	.53
1052		7.61	473	32	1.0	133	18.17	11.28	1.06
1057		7.61	473	27	1.0	135	18.08	11.28	1.59
1102		7.58	480	20	1.0	139	17.49	11.29	2.12
1107		7.59	477	16	1.0	139	17.60	11.30	2.65
1112		7.57	482	15	1.0	142	17.65	11.30	3.18
1117		7.59	492	14	1.0	141	17.50	11.30	3.71

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed: [signature] Date: 8/11/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 1117

WELL INFORMATION	WELL ID: MW-15S	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 11.14	TOTAL DEPTH: 25.94	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Portable Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE: QED MP 20	CALIBRATION DATE / TIME 8/11/04 7:38	

SAMPLE DESCRIPTION	COLOR: clear w/ few floaties	ODOR: none
FINAL D.O. 1.0 UNITS mg/L	FINAL ORP 141 UNITS mV	FINAL TURBIDITY: 14 NTUs
FINAL PH: 7.59 SU	FINAL COND. 492 umhos/cm	FINAL TEMP.: 17.50 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
3	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
2	1000 ml	amber	F	☐Y ☒N	~~2~~	~~1000 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☒N~~					

104

CHAIN-OF-CUSTODY NUMBER: 0063391 DATE SHIPPED: 8/11/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: JOvervoorde DATE: 8/11/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-15 I

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/11/04

SAMPLER: JD/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 10.27 +0.0 T/OC

Depth to bottom of well (obtained from well logs) 43.92+ - T/OC

Calculated volume of water in casing 5.48 gal

Weather conditions partly sunny, hot, hazy, wind 5-10 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp. (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1140	400	7.45	500	24	0.2	140	22.42	10.27	0 ~~10.27~~
1145		7.57	806	2	0.1	104	17.04	10.27	.53
1150		7.65	806	2	0.1	10	16.29	10.29	1.06
1155		7.68	790	2	0.1	-14	16.02	10.29	1.59
1200		7.67	781	2	0.1	-26	16.09	10.28	2.12
1205		7.70	777	2	0.1	-31	16.11	10.29	2.65

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed [signature] Date 8/11/04

QC'd By [signature] Date 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 1205

WELL INFORMATION	WELL ID: MW-15I	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 11.10	TOTAL DEPTH: 43.92	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: QED Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: Teflon lined PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE: QED MP20	CALIBRATION DATE / TIME 8/11/04 7:28	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.1 UNITS mg/L	FINAL ORP -31 UNITS mV	FINAL TURBIDITY: 2 NTU
FINAL PH: 7.70 SU	FINAL COND. 777 umhos/cm	FINAL TEMP.: 16.11 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
2	1000 ml	amber	F	☐Y ☒N	~~2~~	~~1000 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☒N~~					

CHAIN-OF-CUSTODY NUMBER: 0063391 DATE SHIPPED: 8/11/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: J Overvoorde DATE: 8/11/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-11DR

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/11/04

SAMPLER: JO/EV

Type of pump used: Portable Bladder

Pumping rate (milliliters/minute): 350

Water level before purging (nearest 0.01 ft. below reference point) 6.04 +0.0 T/OC

Depth to bottom of well (obtained from well logs) 157.0+ — T/OC

Calculated volume of water in casing 24.61 gal

Weather conditions raining, cloudy, still

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1415	350	7.30	360	4	1.0	160	18.87	6.04	0
1420		8.21	205	4	1.0	154	15.17	6.08	.46
1425		8.27	204	2	1.0	147	15.15	6.08	.92
1430		8.40	207	3	2.0	141	15.44	6.02	1.38
1435		8.39	206	2	1.0	143	15.41	6.02	1.84
1440		8.42	206	2	1.0	143	15.50	6.03	2.30

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 55 ppm CO_2 <10 ppm Ferrous Fe 0 ppm

Signed: [illegible] Date: 8/11/04

QC'd By: [illegible] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 1440

WELL INFORMATION	WELL ID: MW-11DR	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 5.91	TOTAL DEPTH: 157.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Portable Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE: QED MP20	CALIBRATION DATE / TIME 8/11/04 1400	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 1.0 UNITS mg/L	FINAL ORP 143 UNITS mV	FINAL TURBIDITY: 2 NTU
FINAL PH: 8.42 SU	FINAL COND. 206 umhos/cm	FINAL TEMP.: 15.50 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION:
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: NA

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
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	☒N					

CHAIN-OF-CUSTODY NUMBER: 0063391 DATE SHIPPED: 8/11/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: J Overvoorde DATE: 8/11/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: WP-B7

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/11/04

SAMPLER: JD/EV

Type of pump used: Bailer

Pumping rate ~~(milliliters/minute)~~: <.5 gal/min

Water level before purging (nearest 0.01 ft. below reference point) 4.86+0.01/oc

Depth to bottom of well (obtained from well logs) NM+ — T/oc

Calculated volume of water in casing NM

Weather conditions cloudy, wind 5-10 mph,

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp. (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
			NM						

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed: [signature] Date: 8/11/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 1610

WELL INFORMATION	WELL ID: WP-B7	WELL DIAMETER: 2"
WELL MATERIAL: PVC	WELL CONDITIONS: good	
STATIC WATER LEVEL: 4.86	TOTAL DEPTH: NM	
FREE PRODUCT: ☒ SHEEN ☐ MEAS. THICKNESS: _____	☒ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Bailer (use purge form)	
SAMPLING PUMP: Bailer	PNEUMATIC SOURCE —	
BLADDER TYPE: — (new / used)		
TUBING TYPE: —	TUBING CONDITION: —	HOW STORED: —
WATER QUALITY METER TYPE: NA	CALIBRATION DATE / TIME —	

SAMPLE DESCRIPTION	COLOR: gray w/ blk flecks	ODOR: fuel / oil
FINAL D.O. NM UNITS	FINAL ORP NM UNITS	FINAL TURBIDITY: ~~NONE~~ NM
FINAL PH: NM	FINAL COND. NM	FINAL TEMP.: ~~NONE~~ NM
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3 ~~5~~	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
2	1000 ml	amber	F	☐Y ☒N	~~2~~	~~1000 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☐Y ☒N~~					

2/11/04

CHAIN-OF-CUSTODY NUMBER: 0063391 DATE SHIPPED: 8/11/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: J Overvoorde DATE: 8/11/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: WP-B6

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/11/04

SAMPLER: JO/EV

Type of pump used: Bailer

Pumping rate ~~(milliliters/minute)~~: <.5 gal/min

Water level before purging (nearest 0.01 ft. below reference point) 6.77+0.01T/OC

Depth to bottom of well (obtained from well logs) NM+ — T/OC

Calculated volume of water in casing NM

Weather conditions Cloudy,

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
				NM					

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed: [signature] Date: 8/11/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 1600

WELL INFORMATION	WELL ID: WP-B6	WELL DIAMETER: 2"
WELL MATERIAL: PVC	WELL CONDITIONS: good	
STATIC WATER LEVEL: 6.77	TOTAL DEPTH: NM	
FREE PRODUCT: ☒ SHEEN ☐ MEAS. THICKNESS: _____	☒ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Bailer (use purge form)	
SAMPLING PUMP: Bailer	PNEUMATIC SOURCE —	
BLADDER TYPE: — (new / used)		
TUBING TYPE: —	TUBING CONDITION: —	HOW STORED: —
WATER QUALITY METER TYPE: —	CALIBRATION DATE / TIME —	

SAMPLE DESCRIPTION	COLOR: light gray with blk flecks	ODOR: fuel/oil
FINAL D.O. NM UNITS	FINAL ORP NM UNITS	FINAL TURBIDITY: NM
FINAL PH: NM	FINAL COND. NM	FINAL TEMP.: NM
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3 ~~5~~	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
2	1000 ml	amber	F	☐Y ☒N	~~2~~	~~1000 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☐Y ☒N~~					

.04

CHAIN-OF-CUSTODY NUMBER: 0063391 DATE SHIPPED: 8/11/04 METHOD: lab courier

AIRBILL NUMBER: NM SIGNED: J Overvoorde DATE: 8/11/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: SW-7

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/11/04

SAMPLER: JD/EY

Type of pump used: NA

Pumping rate (milliliters/minute): NA

Water level before purging (nearest 0.01 ft. below reference point) NM + – T/

Depth to bottom of well (obtained from well logs) NM + — T/

Calculated volume of water in casing NA

Weather conditions cloudy, mild, wind 0-10 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp. (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
				NM					

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed 8/11/04 Date

QC'd By 10/6/04 Date

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 1645

WELL INFORMATION	WELL ID: SW7	WELL DIAMETER: NA
WELL MATERIAL: NA	WELL CONDITIONS: NA	
STATIC WATER LEVEL: NA	TOTAL DEPTH: NA	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Grab (use purge form)	
SAMPLING PUMP: NA	PNEUMATIC SOURCE —	
BLADDER TYPE: NA (new / used)		
TUBING TYPE: NA	TUBING CONDITION: —	HOW STORED: —
WATER QUALITY METER TYPE: NA	CALIBRATION DATE / TIME —	

SAMPLE DESCRIPTION	COLOR: clear / lt yellow	ODOR: none
FINAL D.O. NM UNITS	FINAL ORP NM UNITS	FINAL TURBIDITY: NM
FINAL PH: NM	FINAL COND. NM	FINAL TEMP.: NM
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3 ~~5~~	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
2	1000 ml	amber	F	☐Y ☒N	~~2~~	~~1000 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☒N~~					

2/4/04

CHAIN-OF-CUSTODY NUMBER: 0063396 DATE SHIPPED: 8/11/04 METHOD: Fed Ex

AIRBILL NUMBER: ~~NA~~ 841607243939 841607243940 SIGNED: J Overvoorde DATE: 8/11/04

RMT

LOW-FLOW GROUNDWATER SAMPLING
STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: SW-5

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/11/04

SAMPLER: JO/EV

Type of pump used: NA

Pumping rate (milliliters/minute): NA

Water level before purging (nearest 0.01 ft. below reference point) NM + - T/

Depth to bottom of well (obtained from well logs) NM + - T/

Calculated volume of water in casing NA

Weather conditions cloudy, mild, wind 0-10 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp. (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
				NM					

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

J Overwoorde
Signed

8/11/04
Date

QC'd By

10/6/04
Date

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 1655

WELL INFORMATION	WELL ID: SW-5	WELL DIAMETER: NA
WELL MATERIAL: NA	WELL CONDITIONS: NA	
STATIC WATER LEVEL: NA	TOTAL DEPTH: NA	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Grab (use purge form)	
SAMPLING PUMP: NA	PNEUMATIC SOURCE —	
BLADDER TYPE: NA (new / used)		
TUBING TYPE: NA	TUBING CONDITION: —	HOW STORED: —
WATER QUALITY METER TYPE: NA	CALIBRATION DATE / TIME —	

SAMPLE DESCRIPTION	COLOR: clear / A yellow	ODOR: none
FINAL D.O. NM UNITS	FINAL ORP NM UNITS	FINAL TURBIDITY: NM
FINAL PH: NM	FINAL COND. NM	FINAL TEMP.: NM
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
2	1000 ml	amber	F	☐Y ☒N	~~2~~	~~1000 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☒N~~					

CHAIN-OF-CUSTODY NUMBER: 0063396 DATE SHIPPED: 8/11/04 METHOD: Fed Ex

AIRBILL NUMBER: ~~NA~~ 841607243939 " " 40 SIGNED: J Overvoorde DATE: 8/11/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-22R

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/11/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 350

Water level before purging (nearest 0.01 ft. below reference point) 3.66+00 T/OC

Depth to bottom of well (obtained from well logs) 7.50+ — T/OC

Calculated volume of water in casing .56 gal

Weather conditions cloudy, mild, wind 0-5 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1735	350	7.59	575	105	0.4	-1	19.78	4.06	0
1740		7.55	552	25	0.3	-20	17.62	4.08	.46
1745		7.54	577	19	0.3	-44	17.00	4.08	.92
1750		7.56	570	5	0.2	-49	16.53	4.10	1.38
1755		7.56	608	3	0.2	-46	16.83	4.10	1.84

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 150 ppm CO_2 <100 ppm ~60? Ferrous Fe 11 ppm

Signed: [signature] Date: 8/11/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

Sheet 50 of 72

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/11/04	SAMPLE TIME: 1755

WELL INFORMATION	WELL ID: MW-22(R)	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 3.46	TOTAL DEPTH: 7.50	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Portable Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE: QED MP20	CALIBRATION DATE / TIME 8/11/04 1400	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.2 UNITS mg/L	FINAL ORP -46 UNITS mV	FINAL TURBIDITY: 3 NTU
FINAL PH: 7.56 SU	FINAL COND. 608 umhos/cm	FINAL TEMP.: 16.83
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000ml	plastic	A	☐Y ☒N
2	1000ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	☒N					

CHAIN-OF-CUSTODY NUMBER: 0063396 DATE SHIPPED: 8/11/04 METHOD: Fed Ex

AIRBILL NUMBER: 841607243939 (11 14 40) SIGNED: JOvervoorde DATE: 8/11/04

F-186 (REV 09MAY2002)

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-17S

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 8/12/04

SAMPLER: JO/EV

Type of pump used: Portable Bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 9.20+0.0 T/ ~~8C~~

Depth to bottom of well (obtained from well logs) 15.04+ – T/OC

Calculated volume of water in casing 3.81 gal

Weather conditions Overcast, rain, warm, wind 0-10 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp. (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
755	300	7.43	270	7	0.8	217	18.27	9.20	0
800	300	7.56	272	4	1.0	216	18.18	9.20	.39
805	300	7.56	280	4	0.8	217	18.13	9.20	.78
810	300	7.54	273	2	0.8	217	18.03	9.20	1.17
815	300	7.56	269	3	1.0	219	18.13	9.20	1.54

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 45 ppm Ferrous Fe 0 ppm CO_2 16 ppm

Overwarde
Signed

8/12/04
Date

QC'd By

10/6/04
Date

RMT

WATER SAMPLE LOG

Sheet 52 of 72

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/12/04	SAMPLE TIME: 815

WELL INFORMATION	WELL ID: MW-17S	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 9.12	TOTAL DEPTH: 15.04	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Portable Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE: QED MP20	CALIBRATION DATE / TIME 8/12/04 735	

SAMPLE DESCRIPTION	COLOR: ~~Pa~~ clear	ODOR: none
FINAL D.O. 1.0 UNITS mg/L	FINAL ORP 219 UNITS mV	FINAL TURBIDITY: 3 NTU
FINAL PH: 7.56 SU	FINAL COND. 269 umhos/cm	FINAL TEMP.: 18.13 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
2 ~~B~~	40 ml	glass	E	☐Y ☒N	1	500ml	plastic	A	☐Y ☒N
~~2~~	~~1000 ml~~	~~amber~~	~~F~~	~~☐Y ☒N~~	2	1000ml	plastic	A	☐Y ☒N
2	1000ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

12/04

CHAIN-OF-CUSTODY NUMBER: 0063397 DATE SHIPPED: 8/12/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: JOvervoorde DATE: 8/12/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-14S

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 8/12/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 500

Water level before purging (nearest 0.01 ft. below reference point) 3.66+ T/OC

Depth to bottom of well (obtained from well logs) 13.25+ 0.1 T/OC = 13.35

Calculated volume of water in casing 6.33 gal

Weather conditions cloudy, still, rain on/off

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1015	500	7.74	604	43	0.4	90	13.71	3.66	0
1020		7.72	603	14	0.3	34	13.68	3.66	.66
1025		7.78	602	9	0.2	18	13.64	3.66	1.32
1030		7.75	601	7	0.2	-15	13.63	3.66	1.65
1035		7.77	601	6	0.2	-23	13.61	3.66	2.31
1040		7.78	602	4	0.2	-29	13.66	3.66	2.97

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 85 ppm CO_2 15 ppm Ferrous Fe 8 ppm

Signed [signature] Date 8/12/04 QC'd By [signature] Date 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/12/04	SAMPLE TIME: 1040

WELL INFORMATION	WELL ID: MW-14S	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 3.56	TOTAL DEPTH: 13.25	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Portable Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined-PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE: QED MP20	CALIBRATION DATE / TIME 8/12/04 735	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.2 UNITS mg/L	FINAL ORP -29 UNITS mV	FINAL TURBIDITY: 4 NTU
FINAL PH: 7.78 SU	FINAL COND. 602 umhos/cm	FINAL TEMP.: 13.66 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000ml	plastic	A	☐Y ☒N
2	1000ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: 6063397 DATE SHIPPED: 8/12/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: J Overvoorde DATE: 8/12/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-14I

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/12/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 450

Water level before purging (nearest 0.01 ft. below reference point) 3.29 +0.0 T/OC

Depth to bottom of well (obtained from well logs) 43.22+ 0.1 T/OC

Calculated volume of water in casing 6.50 gal

Weather conditions cloudy, still (wind 0-5 mph), warm

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp. (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1115	450	8.07	331	241	2.0	83	13.94	3.29	0
1120		8.14	332	178	3.0	83	13.77	3.29	.59
1125		8.18	332	78	2.0	91	13.54	3.29	1.18
1130		8.17	331	41	1.0	97	13.52	3.31	1.77
1135		8.20	331	23	1.0	102	13.46	3.31	2.36
1140		8.21	331	19	1.0	106	13.43	3.32	2.95
1145		8.20	331	15	1.0	113	13.44	3.32	3.54
1150		8.20	331	12	1.0	115	13.43	3.32	4.13
1155		8.18	331	9	1.0	116	13.42	3.32	4.72

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 60 ppm CO_2 <10 ppm Ferrous Fe 0 ppm

Signed: [illegible] Date: 8/12/04

QC'd By: [illegible] Date: 10/6/04

RMT

WATER SAMPLE LOG

Sheet 56 of 72

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/12/04	SAMPLE TIME: 1155

WELL INFORMATION	WELL ID: MW-14I	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 3.24	TOTAL DEPTH: 43.22	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Portable Bladder	PNEUMATIC SOURCE air compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE:	CALIBRATION DATE / TIME 8/12/04 735	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 1.0 UNITS mg/L	FINAL ORP 116 UNITS mV	FINAL TURBIDITY: 9 NTU
FINAL PH: 8.18 SU	FINAL COND. 331 umhos/cm	FINAL TEMP.: 13.42°C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	☒N					

CHAIN-OF-CUSTODY NUMBER: 0063397 DATE SHIPPED: 8/12/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: J Overvoorde DATE: 8/12/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-4

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/12/04

SAMPLER: JO/EV

Type of pump used: bailer

Pumping rate ~~(milliliters/minute)~~: < .5 gal/min

Water level before purging (nearest 0.01 ft. below reference point) 7.25 +0.0 T/OC ~~7.25~~

Depth to bottom of well (obtained from well logs) 12.20 + 0.10 T/OC ~~12.20~~

Calculated volume of water in casing .82 gal

Weather conditions Cloudy, wind 5-10 mph, rain on + off

Time	Purge Rate ~~(ml/min)~~ gal/min	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1353	<.5	7.44	629	NM	NM	106	19.20	7.25	0
1356	↓	7.48	652	↓	↓	58	17.88	7.25	1.5
1358	↓	7.45	653	↓	↓	31	17.68	7.25	3.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed: [signature] Date: 8/12/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/12/04	SAMPLE TIME: 1358

WELL INFORMATION	WELL ID: MW-4	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 7.23	TOTAL DEPTH: 12.20	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NM	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Bailer (use purge form)	
SAMPLING PUMP: Bailer	PNEUMATIC SOURCE NA	
BLADDER TYPE: NA (new / used)		
TUBING TYPE: NA	TUBING CONDITION: NA	HOW STORED: NA
WATER QUALITY METER TYPE: QED MP20	CALIBRATION DATE / TIME 8/12/04 735	

SAMPLE DESCRIPTION	COLOR: clear w/ brown seds	ODOR: none
FINAL D.O. NM UNITS	FINAL ORP 31 UNITS mV	FINAL TURBIDITY: NM
FINAL PH: 7.45 SU	FINAL COND. 653	FINAL TEMP.: 17.68 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3 ~~5~~ 2/04	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
2	1000 ml	amber	F	☐Y ☒N	~~2~~	~~1000 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☐Y ☒N~~					

CHAIN-OF-CUSTODY NUMBER: 0063397 DATE SHIPPED: 8/12/04 METHOD: lab courier

AIRBILL NUMBER: NA SIGNED: JOvervoorde DATE: 8/12/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-25(R) + Dup-02

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/12/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 2.50 +0.0 T/OC

Depth to bottom of well (obtained from well logs) 8.57 + 0.10 T/OC

Calculated volume of water in casing 1.01 gal

Weather conditions cloudy, rain am + off, wind 5-10 mph

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp. (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1443	400	6.81	591	1000+	1.0	128	18.98	2.50	0
1448		6.73	609	649	0.8	147	18.41	2.50	.53
1453		6.80	619	267	0.8	153	18.13	2.50	1.06
1458		6.90	619	145	0.8	152	18.13	2.52	1.59
1503		7.00	618	72	0.6	150	17.92	2.53	2.12
1508		7.07	616	58	0.6	147	17.79	2.55	2.65
1513		7.19	615	28	0.6	140	17.64	2.55	3.18
1518		7.24	613	21	0.6	135	17.57	2.55	3.71
1523		7.29	611	15	0.6	128	17.44	2.55	4.24
1528		7.30	610	12	0.6	126	17.52	2.57	4.77
1533		7.28	609	9	0.6	119	17.32	2.57	5.30

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

50 ppm CO

3 ppm ferrous Fe

90 ppm Total Alk

Signed: [signature] Date: 8/12/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

Sheet 60 of 72

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/12/04	SAMPLE TIME: 1533

*Dup-02

WELL INFORMATION	WELL ID: MW-25 (R)	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 2.75	TOTAL DEPTH: 8.57	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: Portable Bladder	PNEUMATIC SOURCE ~~air~~ backpack	
BLADDER TYPE: PE (new) / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE: QED MP20	CALIBRATION DATE / TIME 8/12/04 14:13	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.6 UNITS mg/L	FINAL ORP 119 UNITS mV	FINAL TURBIDITY: 9 NTU
FINAL PH: 7.28 SU	FINAL COND. 609 umhos/cm	FINAL TEMP.: 17.32 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	☒N					

CHAIN-OF-CUSTODY NUMBER: 0063398 DATE SHIPPED: 8/12/04 METHOD: Fed Ex

AIRBILL NUMBER: 841607243880 SIGNED: J Overvoorde DATE: 8/12/04

" " 917
" " 928
" " 906

RMT

LOW-FLOW GROUNDWATER SAMPLING
STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-21

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 8/12/04

SAMPLER: JO/EV

Type of pump used: QED Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 4.02 + 0.0 T/OC

Depth to bottom of well (obtained from well logs) 14.82 + 0.1 T/OC

Calculated volume of water in casing 7.12 gal

Weather conditions partly cloudy, still, hot, humid

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1635	400	7.63	816	14	0.8	110	18.15	4.02	0
1640		7.67	831	9	0.6	106	17.23	4.02	.53
1645		7.77	844	5	0.2	103	16.87	4.04	1.06
1650		7.73	849	3	0.3	104	16.59	4.04	1.59
1655		7.75	849	3	0.3	103	16.62	4.04	2.12
30 ~~1700~~									

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Alk 100 ppm CO_2 9 ppm Ferrous Fe 0 ppm

[signature] Signed 8/12/04 Date

[signature] QC'd By 10/6/04 Date

RMT

WATER SAMPLE LOG

Sheet 62 of 72

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/12/04	SAMPLE TIME: 1655

WELL INFORMATION	WELL ID: MW-21	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 3.98	TOTAL DEPTH: 14.82	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: QED Portable Bladder (use purge form)	
SAMPLING PUMP: QED Port. Bladder	PNEUMATIC SOURCE backpack comp. air	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: teflon lined PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE: QED MP-20	CALIBRATION DATE / TIME 8/12/04 1413	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.3 UNITS mg/L	FINAL ORP 103 UNITS	FINAL TURBIDITY: 3 NTU
FINAL PH: 7.75 SU	FINAL COND. 849 umhos/cm	FINAL TEMP.: 16.62°C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: 0063398 DATE SHIPPED: 8/12/04 METHOD: Fed Ex

AIRBILL NUMBER: 841607243880 SIGNED: J Overvoorde DATE: 8/12/04

" " 917
" " 928
" " 906

F-186 (REV 09MAY2002)
FIELD FORMS\FIELD FORMS\WATERSAMPLELOG.DOC 07/29/04

P:\LECARPENTER\L.E. CARPENTER- NICK\SITE MONITORING\GW MONITORING PROTOCOL &

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-2

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 8/12/04

SAMPLER: JO/EV

Type of pump used: Bailer

Pumping rate ~~(milliliters/minute)~~: < .5 gal/min

Water level before purging (nearest 0.01 ft. below reference point) 7.04 + T/OC

Depth to bottom of well (obtained from well logs) ~~14~~ 14.53 + 0.1 T/OC

Calculated volume of water in casing 1.23 gal

Weather conditions partly cloudy, wind 5-10 mph, hot + humid

Time	Purge Rate ~~(ml/min)~~ gal/min	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
1810	<.5	7.39	677	NM	NM	78	17.72	7.04	0
1812	↓	7.43	688	↓	↓	39	15.87	7.06	2.0
1814		7.44	669			29	15.40	7.10	4.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Signed: [signature] Date: 8/12/04

QC'd By: [signature] Date: 10/6/04

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/12/04	SAMPLE TIME: 1814

WELL INFORMATION	WELL ID: MW-2	WELL DIAMETER: 2"
WELL MATERIAL: PVC	WELL CONDITIONS: good	
STATIC WATER LEVEL: 7.02	TOTAL DEPTH: 14.53	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NM	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Bailer (use purge form)	
SAMPLING PUMP: NA	PNEUMATIC SOURCE NA	
BLADDER TYPE: NA (new / used)		
TUBING TYPE: NA	TUBING CONDITION: NA	HOW STORED: NA
WATER QUALITY METER TYPE: QED MP-20	CALIBRATION DATE / TIME 8/12/04 1413	

SAMPLE DESCRIPTION	COLOR: tan w/ seds (gray)	ODOR: fuel
FINAL D.O. NM UNITS	FINAL ORP 29 UNITS	FINAL TURBIDITY: NM
FINAL PH: 7.44	FINAL COND. 669 umhos/cm	FINAL TEMP.: 15.40 °C
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
5	40 ml	glass	E	☐Y ☒N	1	500 ml	plastic	A	☐Y ☒N
2	1000 ml	amber	F	☐Y ☒N	2	1000 ml	plastic	A	☐Y ☒N
2	1000 ml	glass	C	☐Y ☒N	1	120 ml	plastic	F	☐Y ☒N
1	40 ml	glass	C	☐Y ☒N	1	250 ml	amber	E	☐Y ☒N
1	40 ml	glass	A	xN					

CHAIN-OF-CUSTODY NUMBER: 0063398 DATE SHIPPED: 8/12/04 METHOD: Fed Ex

AIRBILL NUMBER: 841607243880 SIGNED: J Overvoorde DATE: 8/12/04

" " 906
" " 917
" " 928

RMT

WATER SAMPLE LOG

Sheet 65 of 72

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/12/04	SAMPLE TIME: 1850

(LEC Pump)

WELL INFORMATION	WELL ID: RB-1	WELL DIAMETER: NA
WELL MATERIAL: NA	WELL CONDITIONS: NA	
STATIC WATER LEVEL: NA	TOTAL DEPTH: NA	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: Grab	(use purge form)
~~SAMPLING PUMP:~~	PNEUMATIC SOURCE	
~~BLADDER TYPE:~~ ~~(new / used)~~	NA	
~~TUBING TYPE:~~	~~TUBING CONDITION:~~	~~HOW STORED:~~
~~WATER QUALITY METER TYPE:~~	~~CALIBRATION DATE / TIME~~	

SAMPLE DESCRIPTION	COLOR: Clear	ODOR: none
FINAL D.O. NA UNITS	FINAL ORP NA UNITS	FINAL TURBIDITY: NA
FINAL PH: NA	FINAL COND. NA	FINAL TEMP.: NA
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
2 ~~5~~	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
1 ~~2~~	1000 ml	amber	F	☐Y ☒N	~~2~~	~~1000 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☐Y ☒N~~					

8/12/04

CHAIN-OF-CUSTODY NUMBER: 0063398 DATE SHIPPED: 8/12/04 METHOD: Fed Ex

AIRBILL NUMBER: 841607243880 SIGNED: JOvervoorde DATE: 8/12/04

" " 917
" " 928
" " 906

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 3rd Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: E. Vincke	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 8/12/04	SAMPLE TIME: 1905

~~RMT office guard~~

WELL INFORMATION	WELL ID: RB-2	WELL DIAMETER: NA
WELL MATERIAL: NA	WELL CONDITIONS: NA	
STATIC WATER LEVEL: NA	TOTAL DEPTH: NA	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: NA	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: grab (use purge form)	
SAMPLING PUMP:	PNEUMATIC SOURCE	
BLADDER TYPE: (new / used)		
TUBING TYPE:	TUBING CONDITION: NA	HOW STORED:
WATER QUALITY METER TYPE:	CALIBRATION DATE / TIME	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. NA UNITS	FINAL ORP NA UNITS	FINAL TURBIDITY: NA
FINAL PH: NA	FINAL COND. NA	FINAL TEMP.: NA
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION:

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
3 ~~5~~	40 ml	glass	E	☐Y ☒N	~~1~~	~~500 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~amber~~	~~F~~	~~☐Y ☒N~~	~~2~~	~~1000 ml~~	~~plastic~~	~~A~~	~~☐Y ☒N~~
~~2~~	~~1000 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~120 ml~~	~~plastic~~	~~F~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~C~~	~~☐Y ☒N~~	~~1~~	~~250 ml~~	~~amber~~	~~E~~	~~☐Y ☒N~~
~~1~~	~~40 ml~~	~~glass~~	~~A~~	~~☐Y ☒N~~					

0 12/04

CHAIN-OF-CUSTODY NUMBER: 00063398 DATE SHIPPED: 8/12/04 METHOD: Fed Ex

AIRBILL NUMBER: 846072433880 SIGNED: J Overvoorde DATE: 8/12/04

" " 917
" " 928
" " 906

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. #_____ Group#_____ Sample # _____

COC # 0063393

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

(1)

Client: [illegible] Acct. #: _____

Project Name/#: [illegible] PWSID #: _____

Project Manager: [illegible] P.O.#: _____

Sampler: [illegible] Quote #: _____

Name of state where samples were collected: NJ

For Lab Use Only
FSC: _____
SCR #: _____

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	NH3 / TOC	BOD	NO2 / NO3	TP / Fe2+	BTEX	Cl / CD	SO4 / PO4	Alkalinity / Volatile	Remarks	Temperature of samples upon receipt (if requested)
MW-19D	8/10/04	923	X			X		5					X	X				
MW-19 6	8/10/04	1015	X			X		15	X	X	X	X	X	X	X	X		
MW-19	8/10/04	1130	X			X		16	X	↓	↓	↓	↓	↓	↓	↓		
MW-19 1	8/10/04	1245	X			X		16	↓	↓	↓	↓	↓	↓	↓	↓		
MW-19-2	8/10/04	1530	X			X		16	↓	↓	↓	↓	↓	↓	↓	↓		
Trip blank													X					
atmospheric blank	8/10/04	1555	X			X		5					X	X				

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

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	8/10/04	16:35	[illegible]	8/10/04	16:35
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0063394

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

(1)
Client: TOTT, Inc.
Acct. #:
Project Name/#: CF Carpenter
PWSID #:
Project Manager: Jennifer Overvoode
P.O.#:
Sampler: SCLEV
Quote #:
Name of state where samples were collected: NY

For Lab Use Only
FSC:
SCR #:

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	(4) Matrix: Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	(5) Analyses Requested: NH3	BOD5	NO2	NO3	TP	TKN	CN	TDS	Alkalinity		Remarks	(6) Temperature of samples upon receipt (if requested)
MW-19-7	9/1/04	18[28]	X			X		16	X	X	X	X	X	X	X	X				
MW-19-5	9/1/04	17[05]	X			X		16	X	X	X	X	X	X	X	X				

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

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/1/04	1930			

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0063391

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

(1) Client: [illegible] Acct. #:
Project Name/#: [illegible] PWSID #:
Project Manager: Jennifer Ouwende P.O.#:
Sampler: [illegible] Quote #:
Name of state where samples were collected: NY

For Lab Use Only
FSC:
SCR #:

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4) Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	(5) Analyses Requested: NH3	SO4	NO3	TP	BTEX	EDB	SAT	Total Coliform	Remarks	(6) Temperature of samples upon receipt (if requested)
MW-19-10	8/11/04	8:35	X			X		15	X	X	X	X	X	X	X	X	TP [illegible]	
MW-19-8		10:00						16	X	X	X	X			X	X		
MW-[illegible]		11:17						5										
MW-[illegible]I		12:05						5										
MW-11DR		14:10						16	X	X	X	X			X	X		
DIP Blank						X		1					X	X				
Dup-01	8/11/04		X			X		16	X	X	X	X	X	X	X	X		
Dup-06		16:00	X			X		5					X	X				
Dup-07		16:10	X			X		5					X	X				

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

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Ouwende	8/11/04	16:32	[illegible]	[illegible]	[illegible]
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0063396

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

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

For Lab Use Only
FSC: _____
SCR #: _____

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4): Soil	Potable / NPDES (Check if Applicable)	Water	Other	Total # of Containers	(5) Analyses Requested									Remarks	(6) Temperature of samples upon receipt (if requested)
MW-1	9/11/04	16:45	X				X		5					X	X					
MW-2	↓	16:55	↓				↓		5					X	X					
MW-22R	↓	17:55	↓				↓		16	X	X	X	X	X	X	X	X			
Trip Blank														X						

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

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	9/11/04	1845			

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. #_____ Group#_____ Sample # _____

COC # 0063397

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

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

For Lab Use Only
FSC: _____
SCR #: _____

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4) Soil	Potable / NPDES (Check if Applicable) Water	Other	Total # of Containers	(5) Analyses Requested: [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Remarks	(6) Temperature of samples upon receipt (if requested)
[illegible]	[illegible]	[illegible]	X			X		11	X	X	X	X			X	X		
[illegible]	[illegible]	[illegible]						16	X	X	X	X	X	X	X	X		
[illegible]		[illegible]						16	X	X	X	X	X	X	X	X		
[illegible]		[illegible]						5					X	X				
[illegible]																		

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

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	7/12/04	1512	L. Smith	7/12/04	
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0063398

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

(1)
Client: KMT, Inc. Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer Overmoyer P.O.#:
Sampler: JO/EV Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable (Check if Applicable) / Water	NPDES (Check if Applicable) / Other	Total # of Containers	NH_3	SO4	NO_2	NO_3	TP	PO_4	BTEX	GRO	SOC	TPH	Remarks	Temperature of samples upon receipt (if requested)
RB-1	8/12/04	18 50	X			X		3					X	X						
RB-2		19 05						2					X							
MW-[illegible]		15 53						16	X	X	X	X	X	X	X	X	X			
MW-21		16 55						16												
MW-2		18 14						16												
Trip blank													X							
Dup-2	8/12/04		X			X		16	X	X	X	X	X	X	X	X	X			

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

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

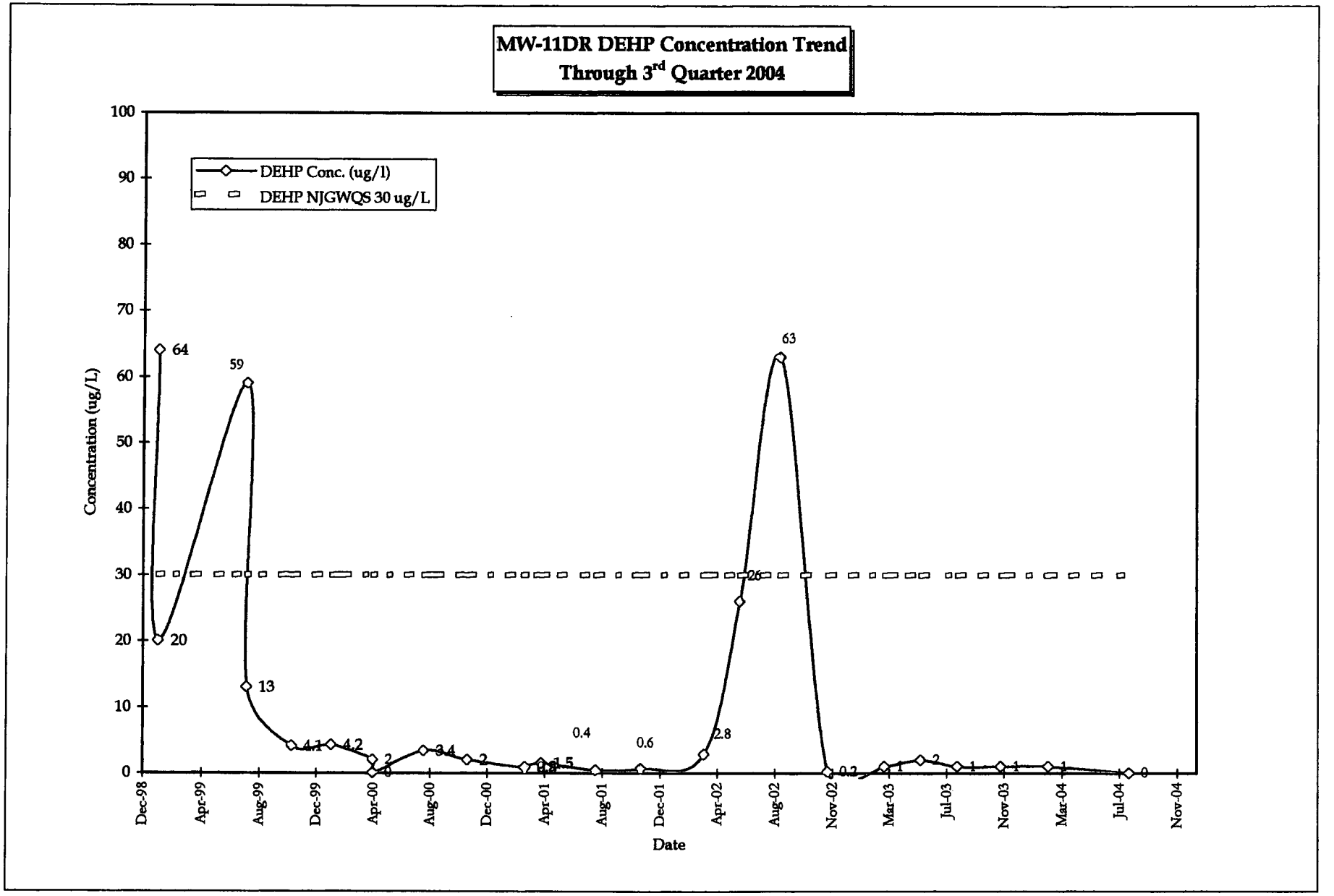
SDG Complete? Yes No

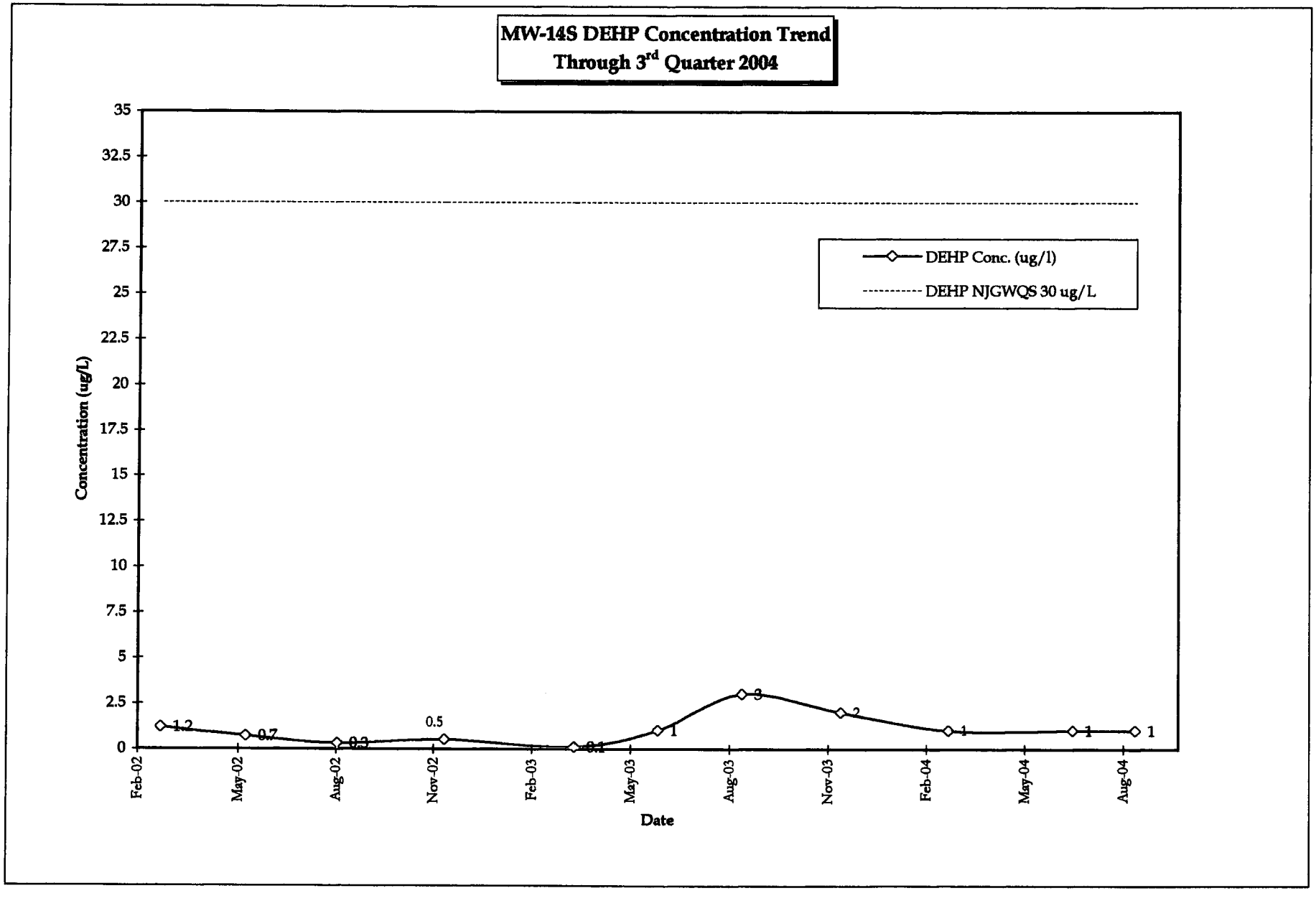
Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

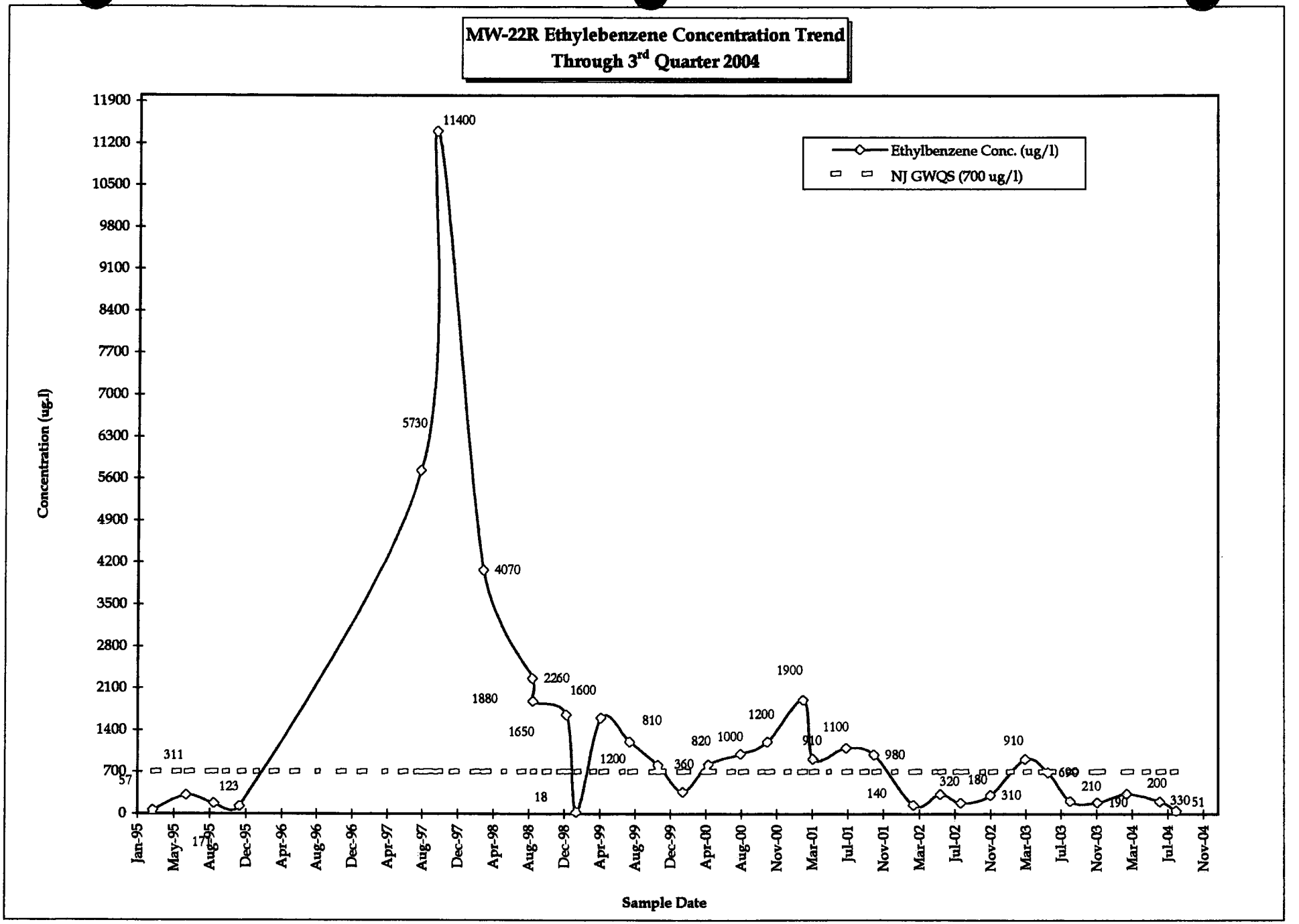
(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

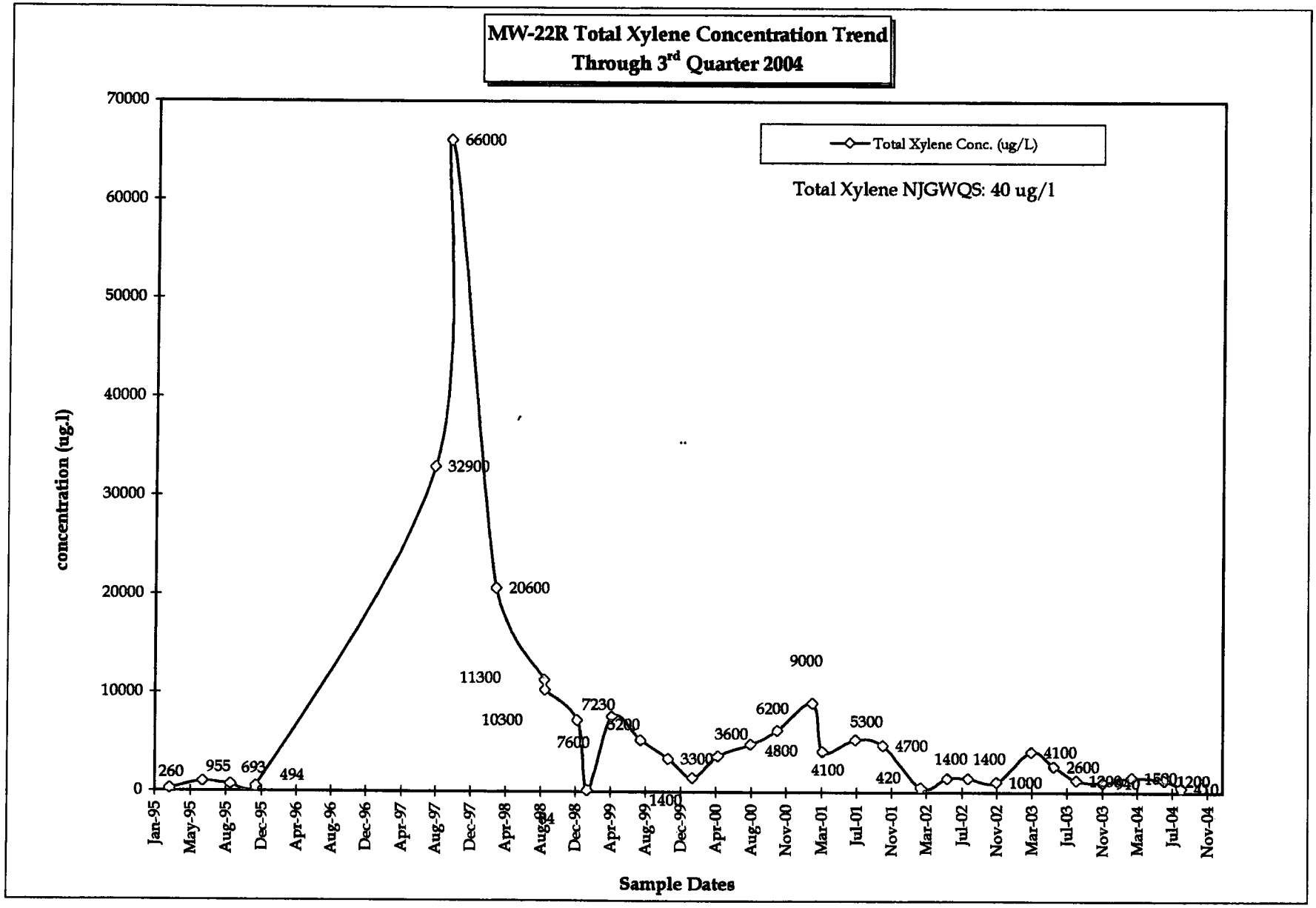
Appendix D
Groundwater Concentration Trend Analysis


MW-11DR DEHP Concentration Trend
Through 3rd Quarter 2004
DEHP Conc. (ug/l)
DEHP NJGWQS 30 ug/L
Concentration (ug/L)
Date
100
90
80
70
60
50
40
30
20
10
0
64
20
59
13
4.1
4.2
2
3.4
2
0.4
0.6
2.8
63
26
0.2
1
2
1
1
1
1
0
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Dec-00
Apr-01
Aug-01
Dec-01
Apr-02
Aug-02
Nov-02
Mar-03
Jul-03
Nov-03
Mar-04
Jul-04
Nov-04

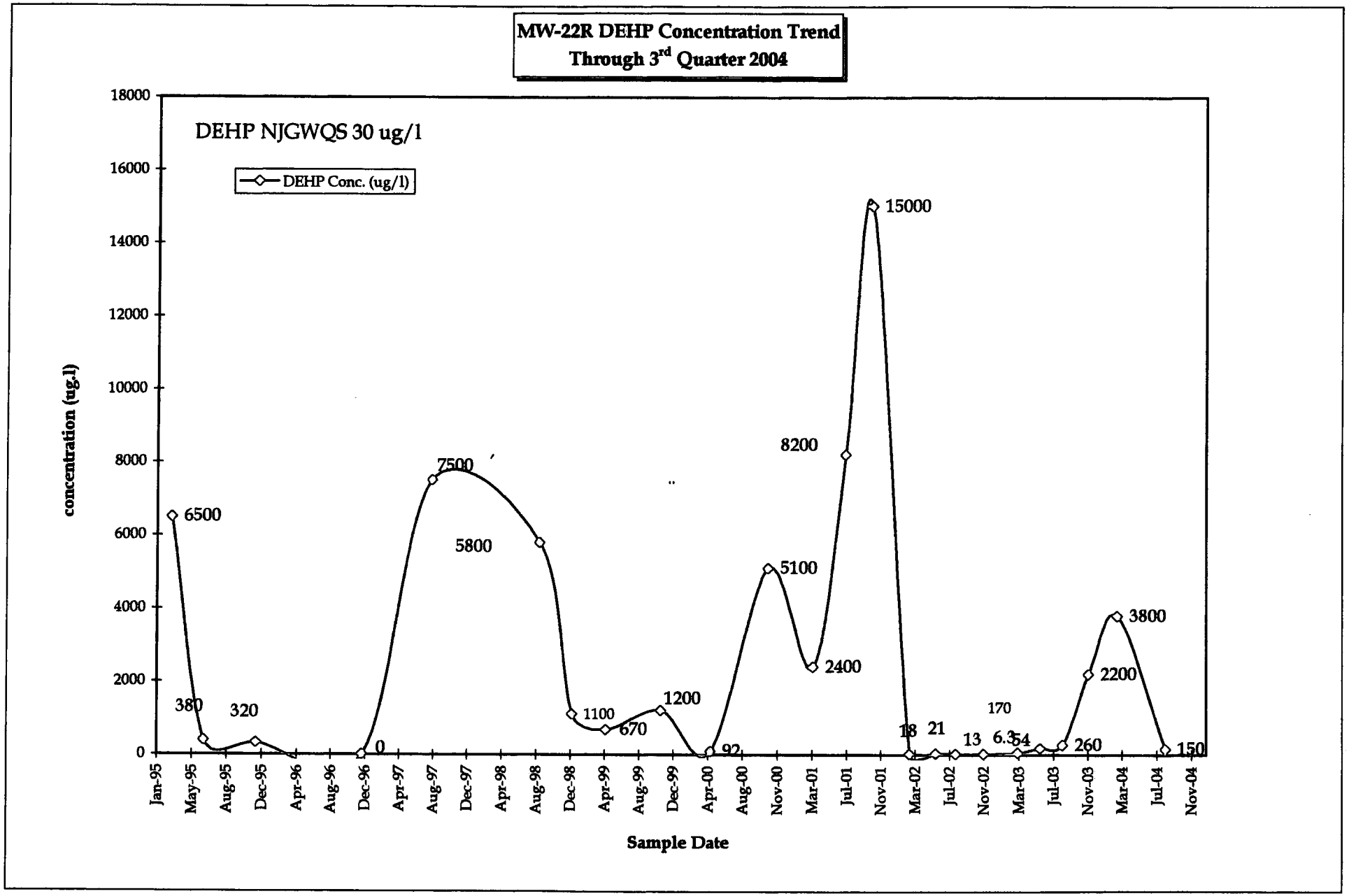

MW-14S DEHP Concentration Trend
Through 3rd Quarter 2004
Concentration (ug/L)
35
32.5
30
27.5
25
22.5
20
17.5
15
12.5
10
7.5
5
2.5
0
DEHP Conc. (ug/l)
DEHP NJGWQS 30 ug/L
1.2
0.7
0.3
0.5
0.1
1
3
2
1
1
1
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Aug-03
Nov-03
Feb-04
May-04
Aug-04
Date

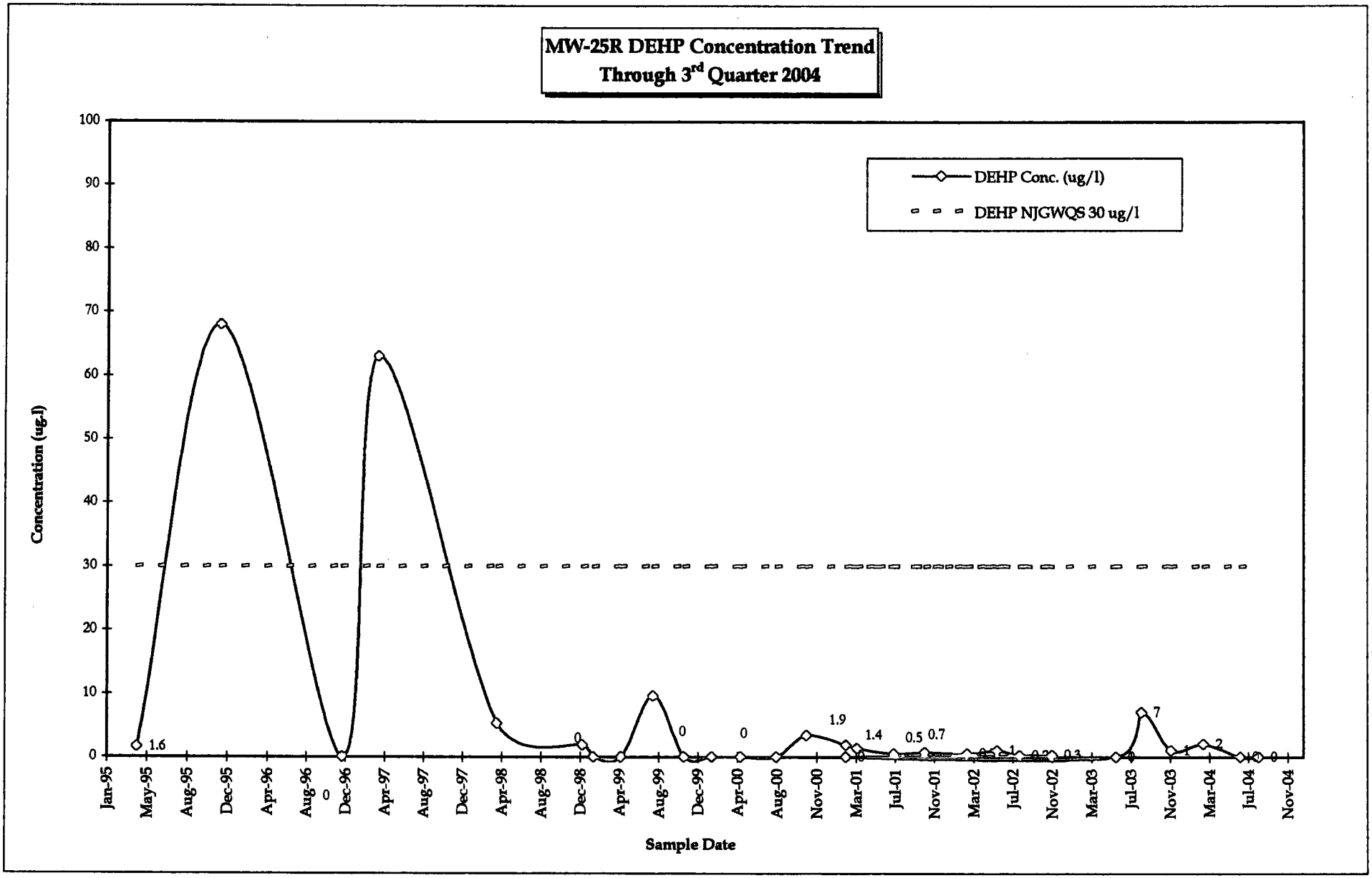


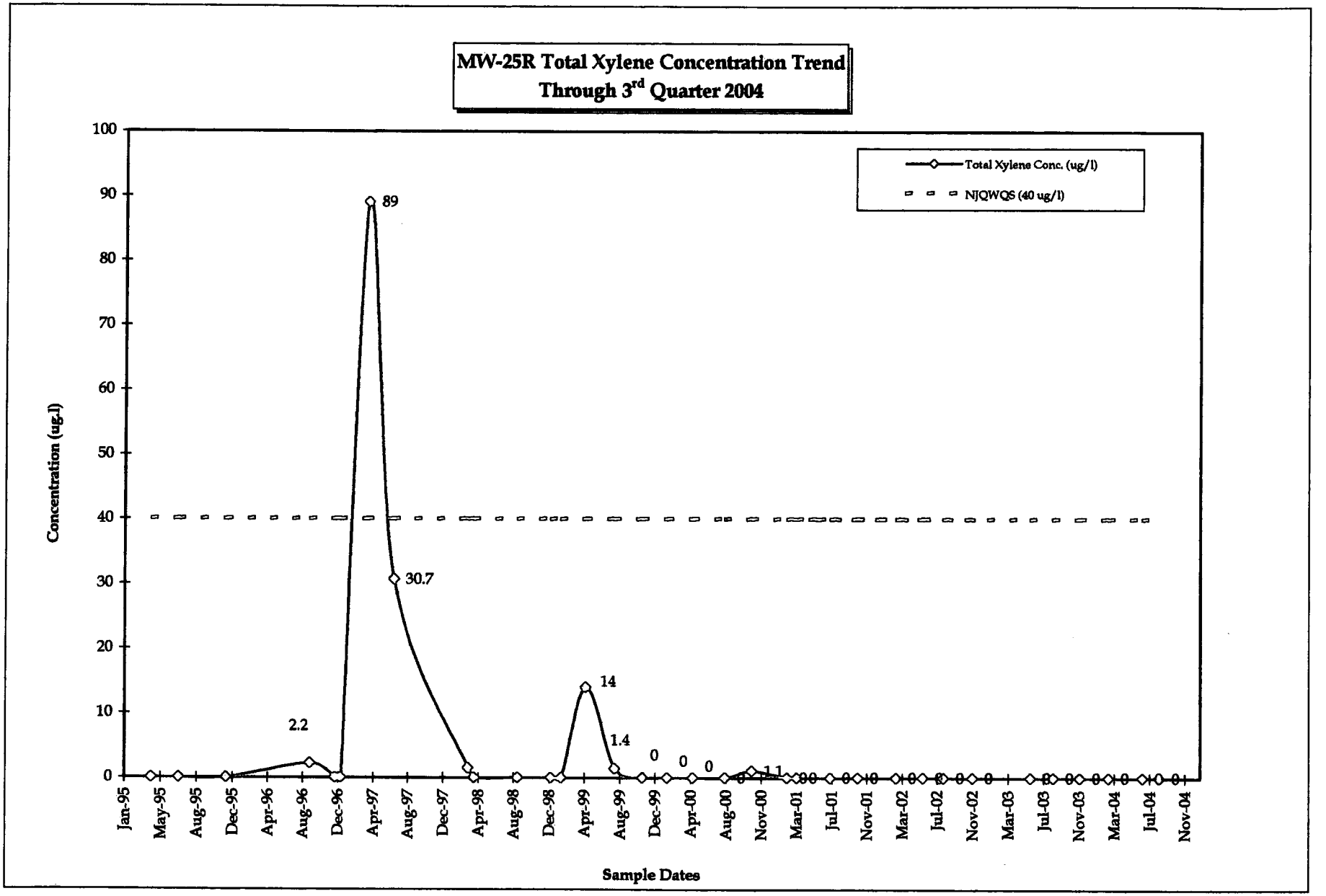
Appendix D-3 Chart 1



Appendix D-3 Chart 2


MW-22R DEHP Concentration Trend
Through 3rd Quarter 2004
DEHP NJGWQS 30 ug/l
DEHP Conc. (ug/l)
concentration (ug/l)
Sample Date
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-95
May-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Nov-00
Mar-01
Jul-01
Nov-01
Mar-02
Jul-02
Nov-02
Mar-03
Jul-03
Nov-03
Mar-04
Jul-04
Nov-04
6500
380
320
0
7500
5800
1100
670
1200
92
5100
2400
8200
15000
18
21
13
170
6.3
54
260
2200
3800
150


MW-25R DEHP Concentration Trend
Through 3rd Quarter 2004
DEHP Conc. (ug/l)
DEHP NJGWQS 30 ug/l
Concentration (ug/l)
Sample Date
100
90
80
70
60
50
40
30
20
10
0
Jan-95
May-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Nov-00
Mar-01
Jul-01
Nov-01
Mar-02
Jul-02
Nov-02
Mar-03
Jul-03
Nov-03
Mar-04
Jul-04
Nov-04
1.6
0
0
0
1.9
1.4
0.5
0.7
0.3
7
1
2
0


MW-25R Total Xylene Concentration Trend
Through 3rd Quarter 2004
Total Xylene Conc. (ug/l)
NJQWQS (40 ug/l)
Concentration (ug/l)
100
90
80
70
60
50
40
30
20
10
0
89
30.7
14
2.2
1.4
0
0
0
1.1
Jan-95
May-95
Aug-95
Dec-95
Apr-96
Aug-96
Dec-96
Apr-97
Aug-97
Dec-97
Apr-98
Aug-98
Dec-98
Apr-99
Aug-99
Dec-99
Apr-00
Aug-00
Nov-00
Mar-01
Jul-01
Nov-01
Mar-02
Jul-02
Nov-02
Mar-03
Jul-03
Nov-03
Mar-04
Jul-04
Nov-04
Sample Dates

Appendix E
3rd Quarter 2004
Laboratory Analytical Report

Appendix E
3rd Quarter 2004
Laboratory Analytical Report

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907264. Samples arrived at the laboratory on Tuesday, August 10, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
MW-19-9D Grab Water Sample	4328114
MW-19-6 Grab Water Sample	4328115
MW-19 Grab Water Sample	4328116
MW-19-1 Grab Water Sample	4328117
MW-19-2 Grab Water Sample	4328118
Trip Blank Water Sample	4328119
Atmospheric Blank Grab Water Sample	4328120

METHODOLOGY

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

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

Lancaster Laboratories

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

Respectfully Submitted,

Michele A. Jarosick

Michele A. Jarosick
Senior Chemist, Coordinator

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328114

MW-19-9D Grab Water Sample
L.E. Carpenter, NJ

Collected:08/10/2004 09:23 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:54
Discard: 10/01/2004

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

19-9D SDG#: LEC15-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/12/2004 12:47	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/15/2004 01:01	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/12/2004 07:30	Mark P Mastropietro	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328115

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

Collected:08/10/2004 10:15 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

19-6- SDG#: LEC15-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	110.	1.	cfu/ml	n.a.
	The sample was plated at 2140 on 8-10-04 by Keith Hoover.					
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	178.	0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	18.8	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	1,240.	38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.1	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.062	0.040	mg/l	1
00228	Sulfate	14808-79-8	38.3	1.5	mg/l	5
08344	Ferrous Iron	n.a.	0.69	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	140.	10.	ug/l	5
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	18.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	38.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	4.6	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	4. J	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328115

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

Collected:08/10/2004 10:15 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

19-6- SDG#: LEC15-02

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/12/2004 21:40	Keith A Hoover	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/13/2004 08:00	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/13/2004 08:00	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/13/2004 13:48	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/12/2004 10:33	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 20:06	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/17/2004 18:46	Kyle W Eckenroad	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/11/2004 15:55	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/12/2004 18:09	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 19:15	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 11:46	Lisa A Johnson	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/17/2004 09:53	Lisa A Johnson	5
08238	BTEX (EPA 602)	EPA 602	1	08/12/2004 14:24	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/15/2004 01:56	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/12/2004 07:30	Mark P Mastropietro	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/11/2004 10:30	Choon Y Tian	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328116

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

Collected:08/10/2004 11:30 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

19--- SDG#: LEC15-03

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	630.		1.	cfu/ml	n.a.
	The sample was plated at 2140 on 8-10-04 by Keith Hoover.						
	This is an estimated count since one or more of the plates used in calculating the result was outside of the established counting range.						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	268.		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	30.9		4.3	mg/l	1
00212	Total Dissolved Solids	n.a.	553.		19.4	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.036	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.12		0.040	mg/l	1
00228	Sulfate	14808-79-8	1.7	J	1.5	mg/l	5
08344	Ferrous Iron	n.a.	31.8		0.80	mg/l	100
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	230.		10.	ug/l	5
07107	Ethane	74-84-0	9.1		1.0	ug/l	1
07108	Ethene	74-85-1	8.5		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	11,000.		60.	ug/l	100
07029	Benzene	71-43-2	N.D.		20.	ug/l	100
07030	Toluene	108-88-3	56,000.		100.	ug/l	500
07031	Ethylbenzene	100-41-4	2,100.		20.	ug/l	100
	Due to dilution of the sample made necessary by the high level of toluene, normal reporting limits were not attained.						
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2.	J	1.	ug/l	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328116

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

Collected:08/10/2004 11:30 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

19--- SDG#: LEC15-03

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/12/2004 21:40	Keith A Hoover	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/13/2004 08:00	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/13/2004 08:00	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/13/2004 13:48	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/12/2004 10:33	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 20:42	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/17/2004 18:47	Kyle W Eckenroad	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/11/2004 15:56	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/12/2004 19:17	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 19:15	Daniel S Smith	100
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 11:56	Lisa A Johnson	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/17/2004 10:05	Lisa A Johnson	5
08238	BTEX (EPA 602)	EPA 602	1	08/12/2004 16:01	K. Robert Caulfeild-James	100
08238	BTEX (EPA 602)	EPA 602	1	08/13/2004 10:37	Stephanie A Selis	500
00554	Base Neutrals (cont)	EPA 625	1	08/15/2004 02:52	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/12/2004 07:30	Mark P Mastropietro	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/11/2004 10:30	Choon Y Tian	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328117

MW-19-1 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/10/2004 12:45 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

19-1- SDG#: LEC15-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	49.		1.	cfu/ml	n.a.
	The sample was plated at 2140 on 8-10-04 by Keith Hoover.						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	184.		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	3.2	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	928.		38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	3.9		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.040	mg/l	1
00228	Sulfate	14808-79-8	35.3		1.5	mg/l	5
08344	Ferrous Iron	n.a.	0.14		0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	N.D.		2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	0.6	J	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328117

MW-19-1 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/10/2004 12:45 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

19-1- SDG#: LEC15-04

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/12/2004 21:40	Keith A Hoover	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/13/2004 08:00	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/13/2004 08:00	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/13/2004 13:48	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/11/2004 16:17	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 20:19	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/17/2004 18:49	Kyle W Eckenroad	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/11/2004 16:01	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/12/2004 19:31	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 19:15	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 12:07	Lisa A Johnson	1
08238	BTEX (EPA 602)	EPA 602	1	08/12/2004 13:20	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/15/2004 03:47	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/12/2004 07:30	Mark P Mastropietro	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/11/2004 10:30	Choon Y Tian	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328118

MW-19-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/10/2004 15:30 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

19-2- SDG#: LEC15-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	87.		1.	cfu/ml	n.a.
	The sample was plated at 2140 on 8-10-04 by Keith Hoover.						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	176.		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	6.0	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	916.		38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.87		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.040	mg/l	1
00228	Sulfate	14808-79-8	23.9		1.5	mg/l	5
08344	Ferrous Iron	n.a.	2.0		0.032	mg/l	4
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	280.		10.	ug/l	5
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	100.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	150.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	28.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	1.	J	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328118

MW-19-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/10/2004 15:30 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

19-2- SDG#: LEC15-05

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/12/2004 21:40	Keith A Hoover	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/13/2004 08:00	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/13/2004 08:00	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/13/2004 13:48	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/12/2004 10:33	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 20:35	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/17/2004 18:50	Kyle W Eckenroad	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/11/2004 16:02	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/12/2004 19:45	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 19:15	Daniel S Smith	4
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 12:17	Lisa A Johnson	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/17/2004 10:17	Lisa A Johnson	5
08238	BTEX (EPA 602)	EPA 602	1	08/12/2004 13:52	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/15/2004 13:30	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/12/2004 07:30	Mark P Mastropietro	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/11/2004 10:30	Choon Y Tian	1

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

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328119

Trip Blank Water Sample
L.E. Carpenter, NJ

Collected: n.a.

Account Number: 09322

~~Submitted: 08/10/2004 19:50~~
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

TB19- SDG#: LEC15-06TB

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/11/2004 15:56	K. Robert Caulfeild-James	1

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

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328120

Atmospheric Blank Grab Water Sample
L.E. Carpenter, NJ

Collected:08/10/2004 15:55 by JO

Account Number: 09322

Submitted: 08/10/2004 19:50
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

ATMBL SDG#: LEC15-07BL

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/11/2004 16:29	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/15/2004 14:26	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/12/2004 07:30	Mark P Mastropietro	1

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:55 AM

Group Number: 907264

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04224021201A	Sample number(s): 4328117							
Total Dissolved Solids	N.D.	9.7	mg/l	103		80-120		
Batch number: 04224105101B	Sample number(s): 4328115-4328117							
Nitrite Nitrogen	N.D.	0.015	mg/l	103		89-110		
Batch number: 04224105102A	Sample number(s): 4328118							
Nitrite Nitrogen	N.D.	0.015	mg/l	102		89-110		
Batch number: 04224109101A	Sample number(s): 4328115-4328118							
Total Phosphorus as P (water)	N.D.	0.040	mg/l	94		90-110		
Batch number: 04224834401A	Sample number(s): 4328115-4328118							
Ferrous Iron	N.D.	0.0080	mg/l	101		95-105		
Batch number: 04224A36A	Sample number(s): 4328119-4328120							
Total Xylenes	N.D.	0.6	ug/l	100	102	82-120	2	30
Benzene	N.D.	0.2	ug/l	104	105	79-123	1	30
Toluene	N.D.	0.2	ug/l	102	104	82-119	2	30
Ethylbenzene	N.D.	0.2	ug/l	100	102	81-119	2	30
Batch number: 04224A36B	Sample number(s): 4328114-4328118							
Total Xylenes	N.D.	0.6	ug/l	100	102	82-120	2	30
Benzene	N.D.	0.2	ug/l	104	105	79-123	1	30
Toluene	N.D.	0.2	ug/l	102	104	82-119	2	30
Ethylbenzene	N.D.	0.2	ug/l	100	102	81-119	2	30
Batch number: 04224A36C	Sample number(s): 4328116							
Toluene	N.D.	0.2	ug/l	102	104	82-119	2	30
Batch number: 04224WAG625	Sample number(s): 4328114-4328118,4328120							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	93	94	68-111	1	30
Batch number: 04225021202A	Sample number(s): 4328115-4328116,4328118							
Total Dissolved Solids	N.D.	9.7	mg/l	106		80-120		
Batch number: 04225401301B	Sample number(s): 4328115-4328118							

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 907264
Reported: 08/31/04 at 10:55 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Sulfate	N.D.	0.30	mg/l	102		89-110		
Batch number: 04226020201A	Sample number(s): 4328115-4328118							
Alkalinity to pH 4.5				100		98-103		
Batch number: 04226020601A	Sample number(s): 4328115-4328118							
Total Suspended Solids	N.D.	3.0	mg/l	81		55-132		
Batch number: 042290008A	Sample number(s): 4328115-4328118							
Methane	N.D.	2.0	ug/l	95		80-120		
Ethane	N.D.	1.0	ug/l	95		80-120		
Ethene	N.D.	1.0	ug/l	95		80-120		
Propane	N.D.	1.0	ug/l	94		80-120		
Batch number: 04229022101A	Sample number(s): 4328115-4328118							
Ammonia Nitrogen	N.D.	0.11	mg/l	97	97	91-100	0	1
Batch number: 04230106102B	Sample number(s): 4328115-4328118							
Nitrate Nitrogen	N.D.	0.040	mg/l	96		89-110		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04224021201A	Sample number(s): 4328117								
Total Dissolved Solids	100	93	60-140	3	5	928.	936.	1	5
Batch number: 04224105101B	Sample number(s): 4328115-4328117								
Nitrite Nitrogen	104		90-110			N.D.	N.D.	24* (1)	20
Batch number: 04224105102A	Sample number(s): 4328118								
Nitrite Nitrogen	104		90-110			N.D.	N.D.	0 (1)	20
Batch number: 04224109101A	Sample number(s): 4328115-4328118								
Total Phosphorus as P (water)	103		90-110			0.12	0.12	1 (1)	3
Batch number: 04224834401A	Sample number(s): 4328115-4328118								
Ferrous Iron	106	104	83-111	1	5	31.8	32.7	3 (1)	6
Batch number: 04224A36A	Sample number(s): 4328119-4328120								
Total Xylenes	110		78-130						
Benzene	113		67-136						
Toluene	114		78-129						
Ethylbenzene	111		75-133						

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:55 AM

Group Number: 907264

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04224A36B	Sample number(s): 4328114-4328118								
Total Xylenes	110		78-130						
Benzene	113		67-136						
Toluene	114		78-129						
Ethylbenzene	111		75-133						
Batch number: 04224A36C	Sample number(s): 4328116								
Toluene	114		78-129						
Batch number: 04225021202A	Sample number(s): 4328115-4328116,4328118								
Total Dissolved Solids	96	97	60-140	0	5	916.	924.	1	5
Batch number: 04225401301B	Sample number(s): 4328115-4328118								
Sulfate	98		90-110			38.3	37.8	1	3
Batch number: 04226020201A	Sample number(s): 4328115-4328118								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	100	100	64-130	0	2	176.	180.	2	4
Batch number: 04226020601A	Sample number(s): 4328115-4328118								
Total Suspended Solids						8.4 J	9.2 J	9 (1)	24
Batch number: 042290008A	Sample number(s): 4328115-4328118								
Methane	88	85	67-120	2	20				
Ethane	92	93	78-114	2	20				
Ethene	95	98	78-119	3	20				
Propane	89	87	62-125	2	20				
Batch number: 04229022101A	Sample number(s): 4328115-4328118								
Ammonia Nitrogen						11.1	11.1	0	2
Batch number: 04230106102B	Sample number(s): 4328115-4328118								
Nitrate Nitrogen	114*		90-110			N.D.	N.D.	200* (1)	2

Surrogate Quality Control

Analysis Name: BTEX (EPA 602)
Batch number: 04224A36A

	Trifluorotoluene-P
4328119	102
4328120	104
Blank	101

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:55 AM

Group Number: 907264

Surrogate Quality Control

LCS	101
LCSD	103
MS	102
Limits:	66-136

Analysis Name: BTEX (EPA 602)
Batch number: 04224A36B

	Trifluorotoluene-P
4328114	103
4328115	98
4328116	105
4328117	100
4328118	100
Blank	104
LCS	101
LCSD	103
MS	102
Limits:	66-136

Analysis Name: Master Scan for EPA 602
Batch number: 04224A36C

	Trifluorotoluene-P
Blank	94
LCS	101
LCSD	103
MS	102
Limits:	66-136

Analysis Name: Base Neutrals
Batch number: 04224WAG625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4328114	93	92	82
4328115	90	96	77
4328116	86	97	85
4328117	87	90	110
4328118	88	91	87
4328120	86	93	92
Blank	92	91	107
LCS	95	93	100
LCSD	93	92	91
Limits:	50-124	64-122	33-149

Analysis Name: Volatile Headspace Hydrocarbon

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:55 AM

Group Number: 907264

Surrogate Quality Control

Batch number: 042290008A

	Propene
4328115	98
4328116	94
4328117	99
4328118	98
Blank	99
LCS	99
MS	91
MSD	93
Limits:	68-113

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

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

Analysis Request Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. # 9322 Group# 907264 Sample # 4328114-20

COC # 0063393

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

(1)
Client: RMT, Inc. Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer Overwoorde P.O.#:
Sampler: JO/EV Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	NH_3, SPC	8015 B	NO_2, NO_3	TP, Fe 2+	BTEX	EPA 625	SO_4, TSS, TDS	Bicarb Alk, Carb Alk		Remarks
MW-19-9D	8/10/04	923	X			X		5					X	X				
MW-19-6	8/10/04	1015	X			X		15	X	X	X	X	X	X	X	X		temp 2-4°C
MW-19	8/10/04	1130	X			X		16	X	↓	↓	↓	↓	↓	↓	↓		amc 8/10/04
MW-19-1	8/10/04	1245	X			X		16	↓	↓	↓	↓	↓	↓	↓	↓		
MW-19-2	8/10/04	1530	X			X		16	↓	↓	↓	↓	↓	↓	↓	↓		
trip blank													X					
atmospheric blank	8/10/04	1555	X			X		5					X	X				

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

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

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
J Overwoorde	8/10/04	16:35	L. Sinker	8/10/04	16:35
L. Sinker	8/10/04	19:50			
			Jessica Bu	8/10/04	1950

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.
2102 Rev. 10/27/02

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907304. Samples arrived at the laboratory on Wednesday, August 11, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
Trip Blank Water Sample	4328267

METHODOLOGY

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

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

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

Respectfully Submitted,

Victoria M Martell

Victoria M. Martell
Chemist

MEMBER ACIL

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328267

Trip Blank Water Sample
L.E. Carpenter, NJ

Collected: n.a.

Account Number: 09322

Submitted: 08/11/2004 09:00
Reported: 08/15/2004 at 11:57
Discard: 09/15/2004

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

CARTB SDG#: LEC15-10TB

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/12/2004 11:43	K. Robert Caulfeild-James	1

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/15/04 at 11:57 AM

Group Number: 907304

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04224A36B	Sample number(s): 4328267							
Total Xylenes	N.D.	0.6	ug/l	100	102	82-120	2	30
Benzene	N.D.	0.2	ug/l	104	105	79-123	1	30
Toluene	N.D.	0.2	ug/l	102	104	82-119	2	30
Ethylbenzene	N.D.	0.2	ug/l	100	102	81-119	2	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04224A36B	Sample number(s): 4328267								
Total Xylenes	110		78-130						
Benzene	113		67-136						
Toluene	114		78-129						
Ethylbenzene	111		75-133						

Surrogate Quality Control

Analysis Name: BTEX (EPA 602)
Batch number: 04224A36B

	Trifluorotoluene-P
4328267	101
Blank	104
LCS	101
LCSD	103
MS	102
Limits:	66-136

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/15/04 at 11:57 AM

Group Number: 907304

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

MEMBER ACIL

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

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907291. Samples arrived at the laboratory on Wednesday, August 11, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
MW-19-7 Grab Water Sample	4328227
MW-19-5 Grab Water Sample	4328228

METHODOLOGY

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

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

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

Respectfully Submitted,

Michele A. Jarosick
Michele A. Jarosick
Senior Chemist, Coordinator

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

Lancaster Laboratories

Sample Reprint

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907291. Samples arrived at the laboratory on Wednesday, August 11, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
MW-19-7 Grab Water Sample	4328227
MW-19-5 Grab Water Sample	4328228

METHODOLOGY

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

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

Lancaster Laboratories

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

Respectfully Submitted,

Earl R. Custer
Sr. Microbiologist/Coordinator

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328227

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

Collected:08/10/2004 18:28 by JO

Account Number: 09322

Submitted: 08/11/2004 09:00
Reported: 09/03/2004 at 08:37
Discard: 10/04/2004

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

MW197 SDG#: LEC15-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	2,000.	1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution. Mold growth was observed on the plates.					
	The sample was plated by Marlaina Kohler on 8-11-04 by 1245.					
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	175.	0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	4.4 J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	1,920.	77.6	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.5	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.040	mg/l	1
00228	Sulfate	14808-79-8	64.4	1.5	mg/l	5
08344	Ferrous Iron	n.a.	4.0	0.20	mg/l	25
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	2,400.	100.	ug/l	50
07107	Ethane	74-84-0	2.7 J	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	20.	0.6	ug/l	1
07029	Benzene	71-43-2	2.0	0.2	ug/l	1
07030	Toluene	108-88-3	1.3	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	1.6	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328227

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

Collected:08/10/2004 18:28 by JO

Account Number: 09322

Submitted: 08/11/2004 09:00
Reported: 09/03/2004 at 08:37
Discard: 10/04/2004

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

MW197 SDG#: LEC15-08

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/13/2004 11:30	Marlaina E Kohler	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/16/2004 08:02	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/16/2004 08:02	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/13/2004 13:48	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/16/2004 10:46	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 20:39	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/18/2004 10:23	Nicole M Kepley	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 16:59	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	2	08/24/2004 12:41	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 19:15	Daniel S Smith	25
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 16:24	Lisa A Johnson	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/17/2004 12:41	Lisa A Johnson	50
08238	BTEX (EPA 602)	EPA 602	1	08/12/2004 15:28	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/15/2004 18:07	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/12/2004 07:30	Mark P Mastropietro	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 08:55	Cheryl L Robinson	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328228

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

Collected:08/10/2004 17:05 by JO

Account Number: 09322

Submitted: 08/11/2004 09:00
Reported: 09/03/2004 at 08:37
Discard: 10/04/2004

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

MW195 SDG#: LEC15-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	180.	1.	cfu/ml	n.a.
	The sample was plated by Marlaina Kohler on 8-11-04 by 1245.					
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	228.	0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	14.0	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	942.	38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.060 J	0.040	mg/l	1
	Matrix QC was performed on this sample for the nitrate analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.					
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.040	mg/l	1
00228	Sulfate	14808-79-8	15.7	1.5	mg/l	5
08344	Ferrous Iron	n.a.	3.6	0.20	mg/l	25
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	2,100.	50.	ug/l	25
07107	Ethane	74-84-0	2.6 J	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	14,000.	600.	ug/l	1000
07029	Benzene	71-43-2	N.D.	200.	ug/l	1000
07030	Toluene	108-88-3	140,000.	200.	ug/l	1000
07031	Ethylbenzene	100-41-4	2,800.	200.	ug/l	1000
	Due to dilution of the sample made necessary by the high level of toluene, normal reporting limits were not attained.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	1. J	1.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4328228

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

Collected:08/10/2004 17:05 by JO

Account Number: 09322

Submitted: 08/11/2004 09:00
Reported: 09/03/2004 at 08:37
Discard: 10/04/2004

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

MW195 SDG#: LEC15-09

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/13/2004 11:30	Marlaina E Kohler	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/16/2004 08:02	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/16/2004 08:02	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/13/2004 13:48	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/16/2004 10:46	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 20:44	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/18/2004 10:52	Nicole M Kepley	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 17:00	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/13/2004 14:42	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 19:15	Daniel S Smith	25
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 16:34	Lisa A Johnson	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/17/2004 12:53	Lisa A Johnson	25
08238	BTEX (EPA 602)	EPA 602	1	08/12/2004 16:33	K. Robert Caulfeild-James	1000
00554	Base Neutrals (cont)	EPA 625	1	08/15/2004 19:02	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/12/2004 07:30	Mark P Mastropietro	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 08:55	Cheryl L Robinson	1

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/27/04 at 03:49 PM

Group Number: 907291

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04224105102A	Sample number(s): 4328227							
Nitrite Nitrogen	N.D.	0.015	mg/l	102		89-110		
Batch number: 04224105102B	Sample number(s): 4328228							
Nitrite Nitrogen	N.D.	0.015	mg/l	102		89-110		
Batch number: 04224834401A	Sample number(s): 4328227-4328228							
Ferrous Iron	N.D.	0.0080	mg/l	101		95-105		
Batch number: 04224A36B	Sample number(s): 4328227-4328228							
Total Xylenes	N.D.	0.6	ug/l	100	102	82-120	2	30
Benzene	N.D.	0.2	ug/l	104	105	79-123	1	30
Toluene	N.D.	0.2	ug/l	102	104	82-119	2	30
Ethylbenzene	N.D.	0.2	ug/l	100	102	81-119	2	30
Batch number: 04224WAG625	Sample number(s): 4328227-4328228							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	93	94	68-111	1	30
Batch number: 04226020601A	Sample number(s): 4328227-4328228							
Total Suspended Solids	N.D.	3.0	mg/l	81		55-132		
Batch number: 04226109101A	Sample number(s): 4328227-4328228							
Total Phosphorus as P (water)	N.D.	0.040	mg/l	103		90-110		
Batch number: 04226401101A	Sample number(s): 4328227-4328228							
Sulfate	N.D.	0.30	mg/l	90		89-110		
Batch number: 042290010A	Sample number(s): 4328227-4328228							
Methane	N.D.	2.0	ug/l	93		80-120		
Ethane	N.D.	1.0	ug/l	90		80-120		
Ethene	N.D.	1.0	ug/l	93		80-120		
Propane	N.D.	1.0	ug/l	87		80-120		
Batch number: 04229020201A	Sample number(s): 4328227-4328228							
Alkalinity to pH 4.5				100		98-103		
Batch number: 04229021201A	Sample number(s): 4328227-4328228							

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/27/04 at 03:49 PM

Group Number: 907291

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Total Dissolved Solids	N.D.	9.7	mg/l	103		80-120		
Batch number: 04229022101A	Sample number(s): 4328227-4328228							
Ammonia Nitrogen	N.D.	0.11	mg/l	97	97	91-100	0	1
Batch number: 04231106101A	Sample number(s): 4328227							
Nitrate Nitrogen	N.D.	0.040	mg/l	97		89-110		
Batch number: 04231106101B	Sample number(s): 4328228							
Nitrate Nitrogen	N.D.	0.040	mg/l	97		89-110		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04224105102A	Sample number(s): 4328227								
Nitrite Nitrogen	104		90-110			N.D.	N.D.	0 (1)	20
Batch number: 04224105102B	Sample number(s): 4328228								
Nitrite Nitrogen	98		90-110			N.D.	N.D.	81* (1)	20
Batch number: 04224834401A	Sample number(s): 4328227-4328228								
Ferrous Iron	106	104	83-111	1	5	31.8	32.7	3 (1)	6
Batch number: 04224A36B	Sample number(s): 4328227-4328228								
Total Xylenes	110		78-130						
Benzene	113		67-136						
Toluene	114		78-129						
Ethylbenzene	111		75-133						
Batch number: 04226020601A	Sample number(s): 4328227-4328228								
Total Suspended Solids						8.4 J	9.2 J	9 (1)	24
Batch number: 04226109101A	Sample number(s): 4328227-4328228								
Total Phosphorus as P (water)	107		90-110			0.29	0.29	1	3
Batch number: 04226401101A	Sample number(s): 4328227-4328228								
Sulfate	89*		90-110			5,830.	5,620.	4*	3
Batch number: 042290010A	Sample number(s): 4328227-4328228								
Methane	87	80	67-120	4	20				
Ethane	90	94	78-114	3	20				
Ethene	95	95	78-119	0	20				
Propane	90	92	62-125	2	20				

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 907291
Reported: 08/27/04 at 03:49 PM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04229020201A	Sample number(s): 4328227-4328228								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	96	96	64-130	0	2	118.	119.	1	4
Batch number: 04229021201A	Sample number(s): 4328227-4328228								
Total Dissolved Solids	98	100	60-140	1	5	890.	876.	2	5
Batch number: 04229022101A	Sample number(s): 4328227-4328228								
Ammonia Nitrogen						11.1	11.1	0	2
Batch number: 04231106101A	Sample number(s): 4328227								
Nitrate Nitrogen	104		90-110			0.47	0.46	3* (1)	2
Batch number: 04231106101B	Sample number(s): 4328228								
Nitrate Nitrogen	111*		90-110			0.062 J	0.066 J	7* (1)	2

Surrogate Quality Control

Analysis Name: BTEX (EPA 602)
Batch number: 04224A36B

	Trifluorotoluene-P
4328227	101
4328228	102
Blank	104
LCS	101
LCSD	103
MS	102
Limits:	66-136

Analysis Name: Base Neutrals
Batch number: 04224WAG625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4328227	88	96	82
4328228	89	94	70
Blank	92	91	107
LCS	95	93	100
LCSD	93	92	91
Limits:	50-124	64-122	33-149

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/27/04 at 03:49 PM

Group Number: 907291

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 042290010A

	Propene
4328227	86
4328228	93
Blank	81
LCS	91
MS	89
MSD	91
Limits:	68-113

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

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

Analysis Request Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. # 09322 Group# 907304 907291 Sample # 4328267 4328227-28

COC # 0063394

3-5.5°C

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

(1)
Client: RMT, Inc. Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer Overvoorde P.O.#:
Sampler: JO/EV Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

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

Sample Identification	Date Collected	Time Collected	Water	Soil	Water	Other	Total # of Containers	NH_3, SPC	8015 B	NO_2, NO_3	TP, Fe^{2+}	BTEX	EPA 625	SO_4, TSS, TDS	Bicarb Alk, Carb Alk	Remarks
MW-19-7	8/10/04	18 28	X		X		16	X	X	X	X	X	X	X	X	
MW-19-5	8/10/04	17 05	X		X		16	X	X	X	X	X	X	X	X	

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

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
J Overvoorde	8/10/04	19 30			
			[signature]	8/10/04	0900

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

2102 Rev. 10/27/02

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907481. Samples arrived at the laboratory on Wednesday, August 11, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
MW-19-10 Grab Water Sample	4329004
MW-19-8 Grab Water Sample	4329005
MW-15S Grab Water Sample	4329006
MW-15I Grab Water Sample	4329007
MW-11DR Grab Water Sample	4329008
Trip Blank Water Sample	4329009
DUP-01 Grab Water Sample	4329010
WP-B6 Grab Water Sample	4329011
WP-B7 Grab Water Sample	4329012

METHODOLOGY

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

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

Lancaster Laboratories

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

Respectfully Submitted,

Michele A. Jarosick

Michele A. Jarosick
Senior Chemist, Coordinator

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

Lancaster Laboratories

Sample Reprint

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907481. Samples arrived at the laboratory on Wednesday, August 11, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
MW-19-8 Grab Water Sample	4329005

METHODOLOGY

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

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

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

Respectfully Submitted,

Earl R. Custer
Sr. Microbiologist/Coordinator

MEMBER ACIL

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329004

MW-19-10 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 08:35 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

M1910 SDG#: LEC15-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	18.		1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The sample was plated by 0825 on 8-12-04 by Earl Custer.						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	98.0		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	10.4	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	908.		38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.22	mg/l	2
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.040	mg/l	1
	Matrix QC was performed on this sample for the TP as P analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.						
00228	Sulfate	14808-79-8	19.2		1.5	mg/l	5
08344	Ferrous Iron	n.a.	1.6		0.080	mg/l	10
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	3.3	J	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		1.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329004

MW-19-10 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 08:35 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

M1910 SDG#: LEC15-11

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/14/2004 10:30	Earl R Custer	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/17/2004 14:34	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/16/2004 10:46	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 21:38	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/18/2004 12:39	Nicole M Kepley	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	2
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 17:10	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/18/2004 12:52	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 21:50	Daniel S Smith	10
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 18:38	Lisa A Johnson	1
08238	BTEX (EPA 602)	EPA 602	1	08/13/2004 05:14	Stephanie A Selis	1
00554	Base Neutrals (cont)	EPA 625	1	08/24/2004 13:45	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 08:55	Cheryl L Robinson	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329005

MW-19-8 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 10:00 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 09/03/2004 at 08:35
Discard: 10/04/2004

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

MW189 SDG#: LEC15-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	15.		1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The sample was plated by Earl Custer on 8-12-04 by 0825.						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	152.		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	7.2	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	573.		19.4	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.24	J	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.12		0.040	mg/l	1
00228	Sulfate	14808-79-8	11.5		1.5	mg/l	5
08344	Ferrous Iron	n.a.	2.7		0.16	mg/l	20
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	790.		20.	ug/l	10
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		1.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329005

MW-19-8 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 10:00 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 09/03/2004 at 08:35
Discard: 10/04/2004

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

MW189 SDG#: LEC15-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
	State of New Jersey Lab Certification No. PA011					

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/14/2004 10:30	Earl R Custer	n.a.
[illegible]01	Alkalinity to pH 8.3	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
[illegible]202	Alkalinity to pH 4.5	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/17/2004 14:34	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/16/2004 10:46	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 21:39	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/18/2004 12:21	Nicole M Kepley	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 17:13	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/18/2004 13:06	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 21:50	Daniel S Smith	20
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 18:49	Lisa A Johnson	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/17/2004 13:05	Lisa A Johnson	10
08238	BTEX (EPA 602)	EPA 602	1	08/13/2004 05:46	Stephanie A Selis	1
00554	Base Neutrals (cont)	EPA 625	1	08/24/2004 14:40	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 08:55	Cheryl L Robinson	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329006

MW-15S Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 11:17 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

MW15S SDG#: LEC15-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/13/2004 06:18	Stephanie A Selis	1
00554	Base Neutrals (cont)	EPA 625	1	08/24/2004 15:35	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329007

MW-15I Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 12:05 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

MW15I SDG#: LEC15-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/13/2004 06:50	Stephanie A Selis	1
00554	Base Neutrals (cont)	EPA 625	1	08/24/2004 16:31	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329008

MW-11DR Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 14:40 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

M11DR SDG#: LEC15-15

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	27.		1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The sample was plated by 0825 on 8-12-04 by Earl Custer						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	83.0		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	N.D.		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	110.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.18	J	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.040	mg/l	1
00228	Sulfate	14808-79-8	10.		1.5	mg/l	5
08344	Ferrous Iron	n.a.	N.D.		0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	N.D.		2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		1.	ug/l	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329008

MW-11DR Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 14:40 by JO

Account Number: 09322

~~Submitted: 08/11/2004 20:15~~
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

M11DR SDG#: LEC15-15

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/14/2004 10:30	Earl R Custer	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/17/2004 14:34	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/16/2004 10:46	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 21:48	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/18/2004 12:23	Nicole M Kepley	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 17:14	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/18/2004 17:33	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 21:50	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 19:00	Lisa A Johnson	1
08238	BTEX (EPA 602)	EPA 602	1	08/13/2004 07:23	Stephanie A Selis	1
00554	Base Neutrals (cont)	EPA 625	1	08/24/2004 17:25	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 08:55	Cheryl L Robinson	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329009

Trip Blank Water Sample
L.E. Carpenter, NJ

Collected: n.a.

Account Number: 09322

~~Submitted: 08/11/2004 20:15~~
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

MW-TB SDG#: LEC15-16TB

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/12/2004 12:15	K. Robert Caulfeild-James	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329010

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

Collected:08/11/2004 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

DUP01 SDG#: LEC15-17FD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	22.		1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The sample was plated by 0825 on 8-12-04 by Earl Custer						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	97.8		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	10.8	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	890.		38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.24	J	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.040	mg/l	1
00228	Sulfate	14808-79-8	17.9		1.5	mg/l	5
08344	Ferrous Iron	n.a.	1.5		0.080	mg/l	10
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	2.9	J	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		0.9	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329010

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

Collected:08/11/2004 by JO

Account Number: 09322

~~Submitted: 08/11/2004 20:15~~
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

DUP01 SDG#: LEC15-17FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
	State of New Jersey Lab Certification No. PA011					

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/14/2004 10:30	Earl R Custer	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/17/2004 14:34	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/16/2004 10:46	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/11/2004 21:53	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/18/2004 12:24	Nicole M Kepley	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/16/2004 14:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 17:15	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/18/2004 17:47	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/11/2004 21:50	Daniel S Smith	10
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/16/2004 19:11	Lisa A Johnson	1
08238	BTEX (EPA 602)	EPA 602	1	08/13/2004 07:55	Stephanie A Selis	1
00554	Base Neutrals (cont)	EPA 625	1	08/24/2004 18:20	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 08:55	Cheryl L Robinson	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329011

WP-B6 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 16:00 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 08/31/2004 at 10:55
Discard: 10/01/2004

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

WP-B6 SDG#: LEC15-18

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	6.5		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	0.6	J	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		1.0	ug/l	1

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for ethylbenzene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	64,000.	1,900.	ug/l	2000

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/13/2004 08:27	Stephanie A Selis	1
00554	Base Neutrals (cont)	EPA 625	1	08/26/2004 03:49	Brian K Graham	2000
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329012

WP-B7 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 16:10 by JO

Account Number: 09322

Submitted: 08/11/2004 20:15
Reported: 08/31/2004 at 10:56
Discard: 10/01/2004

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

WP-B7 SDG#: LEC15-19*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	5.0	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	2.0	ug/l	1

Due to the presence of interferents near their retention time, normal reporting limits were not attained for ethylbenzene and total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.

00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	63,000.	1,900.	ug/l	2000

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/13/2004 16:42	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/26/2004 20:21	Brian K Graham	2000
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1

MEMBER ACIL

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:56 AM

Group Number: 907481

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04224105103A	Sample number(s): 4329004-4329005							
Nitrite Nitrogen	N.D.	0.015	mg/l	102		89-110		
Batch number: 04224105103B	Sample number(s): 4329008,4329010							
Nitrite Nitrogen	N.D.	0.015	mg/l	102		89-110		
Batch number: 04224834402A	Sample number(s): 4329004-4329005,4329008,4329010							
Ferrous Iron	N.D.	0.0080	mg/l	103		95-105		
Batch number: 04224A36B	Sample number(s): 4329004-4329011							
Total Xylenes	N.D.	0.6	ug/l	100	102	82-120	2	30
Benzene	N.D.	0.2	ug/l	104	105	79-123	1	30
Toluene	N.D.	0.2	ug/l	102	104	82-119	2	30
Ethylbenzene	N.D.	0.2	ug/l	100	102	81-119	2	30
Batch number: 04225WAB625	Sample number(s): 4329004-4329008,4329010-4329012							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	96	99	68-111	3	30
Batch number: 04226109101B	Sample number(s): 4329004-4329005,4329008,4329010							
Total Phosphorus as P (water)	N.D.	0.040	mg/l	103		90-110		
Batch number: 04226A36A	Sample number(s): 4329012							
Total Xylenes	N.D.	0.6	ug/l	102	105	82-120	3	30
Benzene	N.D.	0.2	ug/l	105	108	79-123	3	30
Toluene	N.D.	0.2	ug/l	104	107	82-119	3	30
Ethylbenzene	N.D.	0.2	ug/l	102	106	81-119	3	30
Batch number: 042290010A	Sample number(s): 4329004-4329005,4329008,4329010							
Methane	N.D.	2.0	ug/l	93		80-120		
Ethane	N.D.	1.0	ug/l	90		80-120		
Ethene	N.D.	1.0	ug/l	93		80-120		
Propane	N.D.	1.0	ug/l	87		80-120		
Batch number: 04229021201A	Sample number(s): 4329004-4329005,4329008,4329010							
Total Dissolved Solids	N.D.	9.7	mg/l	103		80-120		
Batch number: 04229022101A	Sample number(s): 4329004-4329005,4329008,4329010							

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 907481
Reported: 08/31/04 at 10:56 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ammonia Nitrogen	N.D.	0.11	mg/l	97	97	91-100	0	1
Batch number: 04230020601A	Sample number(s): 4329004-4329005,4329008,4329010							
Total Suspended Solids	N.D.	3.0	mg/l	91		55-132		
Batch number: 04231020201A	Sample number(s): 4329004-4329005,4329008,4329010							
Alkalinity to pH 4.5				100		98-103		
Batch number: 04231106102A	Sample number(s): 4329004-4329005							
Nitrate Nitrogen	N.D.	0.040	mg/l	103		89-110		
Batch number: 04231106102B	Sample number(s): 4329008,4329010							
Nitrate Nitrogen	N.D.	0.040	mg/l	103		89-110		
Batch number: 04231401301A	Sample number(s): 4329004-4329005,4329008,4329010							
Sulfate	N.D.	0.30	mg/l	101		89-110		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04224105103A	Sample number(s): 4329004-4329005								
Nitrite Nitrogen	104		90-110			N.D.	N.D.	0 (1)	20
Batch number: 04224105103B	Sample number(s): 4329008,4329010								
Nitrite Nitrogen	92		90-110			N.D.	N.D.	36* (1)	20
Batch number: 04224834402A	Sample number(s): 4329004-4329005,4329008,4329010								
Ferrous Iron	101	100	83-111	1	5	1.6	1.6	1 (1)	6
Batch number: 04224A36B	Sample number(s): 4329004-4329011								
Total Xylenes	110		78-130						
Benzene	113		67-136						
Toluene	114		78-129						
Ethylbenzene	111		75-133						
Batch number: 04226109101B	Sample number(s): 4329004-4329005,4329008,4329010								
Total Phosphorus as P (water)	111*		90-110			N.D.	N.D.	53* (1)	3
Batch number: 04226A36A	Sample number(s): 4329012								
Total Xylenes	112		78-130						
Benzene	117		67-136						
Toluene	115		78-129						
Ethylbenzene	113		75-133						

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:56 AM

Group Number: 907481

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 042290010A	Sample number(s): 4329004-4329005,4329008,4329010								
Methane	87	80	67-120	4	20				
Ethane	90	94	78-114	3	20				
Ethene	95	95	78-119	0	20				
Propane	90	92	62-125	2	20				
Batch number: 04229021201A	Sample number(s): 4329004-4329005,4329008,4329010								
Total Dissolved Solids	98	100	60-140	1	5	890.	876.	2	5
Batch number: 04229022101A	Sample number(s): 4329004-4329005,4329008,4329010								
Ammonia Nitrogen						11.1	11.1	0	2
Batch number: 04230020601A	Sample number(s): 4329004-4329005,4329008,4329010								
Total Suspended Solids						252.	294.	15 (1)	24
Batch number: 04231020201A	Sample number(s): 4329004-4329005,4329008,4329010								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	71	71	64-130	0	2	156.	154.	1	4
Batch number: 04231106102A	Sample number(s): 4329004-4329005								
Nitrate Nitrogen	107		90-110			N.D.	N.D.	0 (1)	2
Batch number: 04231106102B	Sample number(s): 4329008,4329010								
Nitrate Nitrogen	111*		90-110			0.071 J	N.D.	193* (1)	2
Batch number: 04231401301A	Sample number(s): 4329004-4329005,4329008,4329010								
Sulfate	91		90-110			18.9	18.8	1 (1)	3

Surrogate Quality Control

Analysis Name: BTEX (EPA 602)
Batch number: 04224A36B

	Trifluorotoluene-P
4329004	104
4329005	102
4329006	104
4329007	102
4329008	102
4329009	102
4329010	102
4329011	81
Blank	104

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 907481
Reported: 08/31/04 at 10:56 AM

Surrogate Quality Control

LCS	101
LCSD	103
MS	102
Limits:	66-136

Analysis Name: Base Neutrals
Batch number: 04225WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4329004	71	81	81
4329005	83	89	88
4329006	83	94	87
4329007	86	92	90
4329008	82	92	84
4329010	84	91	69
4329011	39*	31*	0*
4329012	71	61*	60
Blank	86	82	88
LCS	86	91	95
LCSD	93	95	98
Limits:	50-124	64-122	33-149

Analysis Name: BTEX (EPA 602)
Batch number: 04226A36A

	Trifluorotoluene-P
4329012	82
Blank	101
LCS	102
LCSD	101
MS	102
Limits:	66-136

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 042290010A

	Propene
4329004	87
4329005	89
4329008	92
4329010	90
Blank	81
LCS	91
MS	89
MSD	91
Limits:	68-113

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:56 AM

Group Number: 907481

Surrogate Quality Control

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

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

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. # 9322 Group# 907481 Sample # 4329004-12 **COC #** 0063391

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

(1)
Client: RMT, Inc. Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer Orenvorde P.O.#:
Sampler: JO/EV Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	NH_3, SPC	8015B	NO_2, NO_3	TP, Fe^{2+}	BTEX	EPA625	SO_4, TSS, TDS	bicarb, Alk, Carb Alk	Remarks
MW-19-10	8/11/04	8:35	X			X		15	X	X	X	X	X	X	X	X	TP bottle broke while icing down. Run out of NH_3 bottle
MW-19-8	↓	10:00	↓			↓		16	X	X	X	X	↓	↓	X	X	
MW-15S	↓	11:17	↓			↓		5					↓	↓			temp 2-3°C
MW-15I	↓	12:05	↓			↓		5					↓	↓			TJB 8/11/04
MW-11DR	↓	14:40	↓			↓		16	X	X	X	X	↓	↓	X	X	
trip blank						X		1					X				
Dup-01	8/11/04		X			X		16	X	X	X	X	X	X	X	X	
WP-B6	↓	16:00	X			X		5					X	X			
WP-B7	↓	16:10	X			X		5					X	X			

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

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

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
J Orenvorde	8/11/04	16:32	L. Smoker	8/11/04	16:32
L. Smoker	8/11/04	20:15			
			Jessica [illegible]	8/11/04	2015

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster [illegible]atories. The pink copy should be retained by the client.
2102 Rev. [illegible]02

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907718. Samples arrived at the laboratory on Thursday, August 12, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
MW-17S Grab Water Sample	4330407
MW-14S Grab Water Sample	4330408
MW-14I Grab Water Sample	4330409
MW-4 Grab Water Sample	4330410
Trip Blank Water Sample	4330411

METHODOLOGY

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

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

Lancaster Laboratories

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

Respectfully Submitted,

Michele A. Jarosick

Michele A. Jarosick
Senior Chemist, Coordinator

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

Lancaster Laboratories

Sample Reprint

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907718. Samples arrived at the laboratory on Thursday, August 12, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
MW-14I Grab Water Sample	4330409

METHODOLOGY

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

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

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

Respectfully Submitted,

Earl R. Custer
Earl R. Custer
Sr. Microbiologist/Coordinator

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330407

MW-17S Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 08:15 by JO

Account Number: 09322

Submitted: 08/12/2004 19:10
Reported: 08/31/2004 at 10:56
Discard: 10/01/2004

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

M17S- SDG#: LEC16-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	52.		1.	cfu/ml	n.a.
	The sample was plated at 21:30 on 8-12-04 by Keith Hoover.						
	A spreading mold was observed on one of the plates used to enumerate this sample.						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	72.5		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	N.D.		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	173.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.040	mg/l	1
00228	Sulfate	14808-79-8	9.4		1.5	mg/l	5
08344	Ferrous Iron	n.a.	0.011	J	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	2.1	J	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/16/2004 07:40	Keith A Hoover	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/18/2004 10:02	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/18/2004 10:02	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/18/2004 10:11	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/18/2004 10:09	Anne L Kuenzli	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330407

MW-17S Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 08:15 by JO

Account Number: 09322

Submitted: 08/12/2004 19:10
Reported: 08/31/2004 at 10:56
Discard: 10/01/2004

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

M17S- SDG#: LEC16-05

00219	Nitrite Nitrogen	EPA 353.2	1	08/13/2004 11:18	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/20/2004 17:55	Venia B McFadden	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/18/2004 14:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 17:30	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/25/2004 14:08	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/13/2004 00:35	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/18/2004 10:13	Lisa A Johnson	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 08:45	Cheryl L Robinson	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330408

MW-14S Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 10:40 by JO

Account Number: 09322

Submitted: 08/12/2004 19:10
Reported: 08/31/2004 at 10:57
Discard: 10/01/2004

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

M14S- SDG#: LEC16-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	510.	1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
	The sample was plated at 21:30 on 8-12-04 by Keith Hoover.					
	Mold growth was observed on one of the plates used to enumerate this sample.					
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	134.	0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	21.2	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	298.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.098	0.040	mg/l	1
00228	Sulfate	14808-79-8	9.7	1.5	mg/l	5
08344	Ferrous Iron	n.a.	7.5	0.16	mg/l	20
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	41.	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	1. J	1.	ug/l	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330408

MW-14S Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 10:40 by JO

Account Number: 09322

Submitted: 08/12/2004 19:10
Reported: 08/31/2004 at 10:57
Discard: 10/01/2004

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

M14S- SDG#: LEC16-06

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/16/2004 07:40	Keith A Hoover	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/18/2004 10:02	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/18/2004 10:02	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/18/2004 10:11	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/18/2004 10:09	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/13/2004 11:22	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/20/2004 17:57	Venia B McFadden	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/18/2004 14:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 17:36	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/25/2004 14:21	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/13/2004 00:35	Daniel S Smith	20
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/18/2004 10:25	Lisa A Johnson	1
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 07:45	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	08/17/2004 02:06	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/14/2004 04:15	Danette S Blystone	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 08:45	Cheryl L Robinson	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330409

MW-14I Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 11:55 by JO

Account Number: 09322

Submitted: 08/12/2004 19:10
Reported: 09/03/2004 at 08:36
Discard: 10/04/2004

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

M14I- SDG#: LEC16-07

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	21.		1.	cfu/ml	n.a.
	The sample was plated at 21:30 on 8-12-04 by Keith Hoover.						
	This is an estimated count since one or more of the plates used in calculating the result was outside of the established counting range.						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	110.		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	6.4	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	189.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.20		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.040	J	0.040	mg/l	1
00228	Sulfate	14808-79-8	14.4		1.5	mg/l	5
08344	Ferrous Iron	n.a.	0.020	J	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	N.D.		2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330409

MW-14I Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 11:55 by JO

Account Number: 09322

Submitted: 08/12/2004 19:10
Reported: 09/03/2004 at 08:36
Discard: 10/04/2004

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

M14I- SDG#: LEC16-07

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/16/2004 07:40	Keith A Hoover	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/18/2004 10:02	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/18/2004 10:02	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/18/2004 10:11	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/18/2004 10:09	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/13/2004 11:23	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/20/2004 17:58	Venia B McFadden	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/18/2004 14:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 17:54	Kyle W Eckenroad	1
00228	Sulfate	EPA 300.0	1	08/25/2004 14:35	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/13/2004 00:35	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/18/2004 10:37	Lisa A Johnson	1
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 08:17	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	08/17/2004 03:01	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/14/2004 04:15	Danette S Blystone	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 12:20	Cheryl L Robinson	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330410

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

Collected:08/12/2004 13:58 by JO

Account Number: 09322

Submitted: 08/12/2004 19:10
Reported: 08/31/2004 at 10:57
Discard: 10/01/2004

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

M4--- SDG#: LEC16-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2,500.	97.	ug/l	100

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 08:49	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	08/18/2004 22:44	Brian K Graham	100
08108	625 Water Extraction	EPA 625	1	08/14/2004 04:15	Danette S Blystone	1

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

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330411

Trip Blank Water Sample
L.E. Carpenter, NJ

Collected: n.a.

Account Number: 09322

Submitted: 08/12/2004 19:10
Reported: 08/31/2004 at 10:57
Discard: 10/01/2004

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

TBLEC SDG#: LEC16-09TB

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 07:12	Linda C Pape	1

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:57 AM

Group Number: 907718

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04226105101A	Sample number(s): 4330407-4330409							
Nitrite Nitrogen	N.D.	0.015	mg/l	99		89-110		
Batch number: 04226109102A	Sample number(s): 4330407-4330408							
Total Phosphorus as P (water)	N.D.	0.040	mg/l	104		90-110		
Batch number: 04226109103A	Sample number(s): 4330409							
Total Phosphorus as P (water)	N.D.	0.040	mg/l	98		90-110		
Batch number: 04226834401A	Sample number(s): 4330407-4330409							
Ferrous Iron	N.D.	0.0080	mg/l	101		95-105		
Batch number: 04226WAB625	Sample number(s): 4330408-4330410							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	99	100	68-111	2	30
Batch number: 042290012A	Sample number(s): 4330407-4330409							
Methane	N.D.	2.0	ug/l	90		80-120		
Ethane	N.D.	1.0	ug/l	93		80-120		
Ethene	N.D.	1.0	ug/l	95		80-120		
Propane	N.D.	1.0	ug/l	97		80-120		
Batch number: 04229A36A	Sample number(s): 4330408-4330411							
Total Xylenes	N.D.	0.6	ug/l	104	101	82-120	2	30
Benzene	N.D.	0.2	ug/l	107	104	79-123	3	30
Toluene	N.D.	0.2	ug/l	106	103	82-119	3	30
Ethylbenzene	N.D.	0.2	ug/l	104	101	81-119	3	30
Batch number: 04231020202A	Sample number(s): 4330407-4330409							
Alkalinity to pH 4.5				98		98-103		
Batch number: 04231020601A	Sample number(s): 4330407-4330409							
Total Suspended Solids	N.D.	3.0	mg/l	87		55-132		
Batch number: 04231021201A	Sample number(s): 4330407-4330409							
Total Dissolved Solids	N.D.	9.7	mg/l	109		80-120		
Batch number: 04231022101A	Sample number(s): 4330407-4330409							

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:57 AM

Group Number: 907718

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ammonia Nitrogen	N.D.	0.11	mg/l	97	97	91-100	0	1
Batch number: 04233106102A	Sample number(s): 4330407-4330409							
Nitrate Nitrogen	N.D.	0.040	mg/l	92		89-110		
Batch number: 04238401301B	Sample number(s): 4330407-4330409							
Sulfate	N.D.	0.30	mg/l	102		89-110		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04226105101A	Sample number(s): 4330407-4330409								
Nitrite Nitrogen	97		90-110			N.D.	N.D.	0 (1)	20
Batch number: 04226109102A	Sample number(s): 4330407-4330408								
Total Phosphorus as P (water)	102		90-110			N.D.	N.D.	0 (1)	3
Batch number: 04226109103A	Sample number(s): 4330409								
Total Phosphorus as P (water)	92		90-110			0.040 J	N.D.	1 (1)	3
Batch number: 04226834401A	Sample number(s): 4330407-4330409								
Ferrous Iron	98	101	83-111	1	5	16.0	16.2	1 (1)	6
Batch number: 042290012A	Sample number(s): 4330407-4330409								
Methane	87	85	67-120	2	20				
Ethane	90	89	78-114	2	20				
Ethene	92	90	78-119	2	20				
Propane	87	84	62-125	4	20				
Batch number: 04229A36A	Sample number(s): 4330408-4330411								
Total Xylenes	110		78-130						
Benzene	114		78-131						
Toluene	113		78-129						
Ethylbenzene	112		75-133						
Batch number: 04231020202A	Sample number(s): 4330407-4330409								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	100	101	64-130	1	2	258.	258.	0	4
Batch number: 04231020601A	Sample number(s): 4330407-4330409								
Total Suspended Solids						1,470.	1,400.	5	24
Batch number: 04231021201A	Sample number(s): 4330407-4330409								

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:57 AM

Group Number: 907718

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Total Dissolved Solids	99	99	60-140	0	5	9,840.	9,830.	0	5
Batch number: 04231022101A	Sample number(s): 4330407-4330409								
Ammonia Nitrogen						1.1	1.1	4* (1)	2
Batch number: 04233106102A	Sample number(s): 4330407-4330409								
Nitrate Nitrogen	67*		90-110			N.D.	N.D.	195* (1)	2
Batch number: 04238401301B	Sample number(s): 4330407-4330409								
Sulfate	114*		90-110			25.7	25.6	0	3

Surrogate Quality Control

Analysis Name: Base Neutrals
Batch number: 04226WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4330408	88	90	94
4330409	86	92	97
4330410	79	90	94
Blank	82	89	94
LCS	84	91	97
LCSD	89	97	98
Limits:	50-124	64-122	33-149

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 042290012A

	Propene
4330407	100
4330408	97
4330409	100
Blank	106
LCS	100
MS	87
MSD	88
Limits:	68-113

Analysis Name: BTEX (EPA 602)
Batch number: 04229A36A
Trifluorotoluene-P

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:57 AM

Group Number: 907718

Surrogate Quality Control

4330408	102
4330409	101
4330410	104
4330411	101
Blank	102
LCS	102
LCSD	101
MS	103
Limits:	72-128

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

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

Analysis Request Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. # 9322 Group# 907718 Sample # 4330407-11 **COC # 0063397**

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

(1)
Client: RMT, Inc. Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer Overwoorde P.O.#:
Sampler: JO/EV Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Soil	Water	Other	(4) Total # of Containers	(5) Analyses Requested: NH_3, SPC	8015B	NO_2, NO_3	TP, Fe2+	BTEX	EPA 625	SO_4, TSS, TDS	Bicarb Alk, Carb Alk		(6) Remarks
MW-17S	8/12/04	8:15	X			X		11	X	X	X	X			X	X		
MW-14S	8/12/04	10:40	↓			↓		16	X	X	X	X	X	X	X	X		temp 2°C
MW-14I	↓	11:55	↓			↓		16	X	X	X	X	X	X	X	X		CMC 8/12/04
MW-4	↓	13:58	↓			↓		5					X	X				
trip blank						↓												

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

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

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
J Overwoorde	8/12/04	15:12	L. Smoker	8/12/04	15:20
L. Smoker	8/12/04	19:10			
			Jessica B[illegible]	8/12/04	1910

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

2102 Rev. 10/27/02

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907517. Samples arrived at the laboratory on Thursday, August 12, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
SW-1 Grab Water Sample	4329184
SW-2 Grab Water Sample	4329185
MW-22R Grab Water Sample	4329186
Trip Blank Water Sample	4329187

METHODOLOGY

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

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

Lancaster Laboratories

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

Respectfully Submitted,

Michele A. Jarosick

Michele A. Jarosick
Senior Chemist, Coordinator

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

Lancaster Laboratories

Sample Reprint

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907517. Samples arrived at the laboratory on Thursday, August 12, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
SW-7 Grab Water Sample	4329184
SW-5 Grab Water Sample	4329185

METHODOLOGY

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

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

MEMBER ACIL

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

Lancaster Laboratories

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

Respectfully Submitted,

Michele A. Jarosick

Michele A. Jarosick
Senior Chemist, Coordinator

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

Lancaster Laboratories

Sample Reprint

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907517. Samples arrived at the laboratory on Thursday, August 12, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
MW-22R Grab Water Sample	4329186

METHODOLOGY

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

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

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

Respectfully Submitted,

Earl R. Crister
Sr. Microbiologist/Coordinator

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329185

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

Collected:08/11/2004 16:55 by JO

Account Number: 09322

Submitted: 08/12/2004 08:50
Reported: 10/05/2004 at 16:55
Discard: 11/05/2004

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

MTSW2 SDG#: LEC16-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	1.5		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2.	J	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/15/2004 02:56	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/24/2004 22:00	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329184

SW-7 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 16:45 by JO

Account Number: 09322

Submitted: 08/12/2004 08:50
Reported: 10/05/2004 at 16:55
Discard: 11/05/2004

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

MTSW1 SDG#: LEC16-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	1.4	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	4. J	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/15/2004 02:24	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/24/2004 21:05	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329186

MW-22R Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 17:55 by JO

Account Number: 09322

Submitted: 08/12/2004 08:50
Reported: 09/03/2004 at 08:37
Discard: 10/04/2004

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

22RMT SDG#: LEC16-03

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	35.		1.	cfu/ml	n.a.
	The sample was plated by Earl Custer on 8-12-04 by 1230.						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	210.		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	33.2		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	343.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.016	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.30	J	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.12		0.040	mg/l	1
00228	Sulfate	14808-79-8	N.D.		1.5	mg/l	5
08344	Ferrous Iron	n.a.	16.0		0.40	mg/l	50
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	8,900.		400.	ug/l	200
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	410.		0.6	ug/l	1
07029	Benzene	71-43-2	0.3	J	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	51.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	99.		1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329186

MW-22R Grab Water Sample
L.E. Carpenter, NJ

Collected:08/11/2004 17:55 by JO

Account Number: 09322

Submitted: 08/12/2004 08:50
Reported: 09/03/2004 at 08:37
Discard: 10/04/2004

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

22RMT SDG#: LEC16-03

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/14/2004 10:40	Earl R Custer	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/18/2004 06:26	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/17/2004 14:34	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/16/2004 10:46	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/12/2004 20:19	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/20/2004 16:25	Venia B McFadden	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/18/2004 14:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/13/2004 17:18	Kyle W Eckenroad	1
[illegible]228	Sulfate	EPA 300.0	1	08/18/2004 18:01	Shannon L Phillips	5
[illegible]344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/13/2004 00:35	Daniel S Smith	50
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/18/2004 10:01	Lisa A Johnson	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/19/2004 10:22	Lisa A Johnson	200
08238	BTEX (EPA 602)	EPA 602	1	08/15/2004 03:28	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/24/2004 22:55	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/13/2004 08:30	Danette S Blystone	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/13/2004 08:55	Cheryl L Robinson	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4329187

Trip Blank Water Sample
L.E. Carpenter, NJ

Collected: n.a.

Submitted: 08/12/2004 08:50
Reported: 08/31/2004 at 10:57
Discard: 10/01/2004

Account Number: 09322

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

MTTRB SDG#: LEC16-04TB

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/14/2004 18:23	K. Robert Caulfeild-James	1

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:57 AM

Group Number: 907517

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04225105101A	Sample number(s): 4329186							
Nitrite Nitrogen	N.D.	0.015	mg/l	106		89-110		
Batch number: 04225WAB625	Sample number(s): 4329184-4329186							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	96	99	68-111	3	30
Batch number: 04226109101B	Sample number(s): 4329186							
Total Phosphorus as P (water)	N.D.	0.040	mg/l	103		90-110		
Batch number: 04226834401A	Sample number(s): 4329186							
Ferrous Iron	N.D.	0.0080	mg/l	101		95-105		
Batch number: 04227A36A	Sample number(s): 4329184-4329187							
Total Xylenes	N.D.	0.6	ug/l	103	106	82-120	3	30
Benzene	N.D.	0.2	ug/l	105	109	79-123	3	30
Toluene	N.D.	0.2	ug/l	105	108	82-119	3	30
Ethylbenzene	N.D.	0.2	ug/l	103	106	81-119	3	30
Batch number: 042290012A	Sample number(s): 4329186							
Methane	N.D.	2.0	ug/l	90		80-120		
Ethane	N.D.	1.0	ug/l	93		80-120		
Ethene	N.D.	1.0	ug/l	95		80-120		
Propane	N.D.	1.0	ug/l	97		80-120		
Batch number: 04229021201A	Sample number(s): 4329186							
Total Dissolved Solids	N.D.	9.7	mg/l	103		80-120		
Batch number: 04230020601A	Sample number(s): 4329186							
Total Suspended Solids	N.D.	3.0	mg/l	91		55-132		
Batch number: 04231020201A	Sample number(s): 4329186							
Alkalinity to pH 4.5				100		98-103		
Batch number: 04231022101A	Sample number(s): 4329186							
Ammonia Nitrogen	N.D.	0.11	mg/l	97	97	91-100	0	1
Batch number: 04231401301B	Sample number(s): 4329186							

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:57 AM

Group Number: 907517

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Sulfate	N.D.	0.30	mg/l	101		89-110		
Batch number: 04233106101B	Sample number(s): 4329186							
Nitrate Nitrogen	N.D.	0.040	mg/l	102		89-110		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04225105101A	Sample number(s): 4329186								
Nitrite Nitrogen	112*		90-110			N.D.	N.D.	4 (1)	20
Batch number: 04226109101B	Sample number(s): 4329186								
Total Phosphorus as P (water)	111*		90-110			N.D.	N.D.	53* (1)	3
Batch number: 04226834401A	Sample number(s): 4329186								
Ferrous Iron	98	101	83-111	1	5	16.0	16.2	1 (1)	6
Batch number: 04227A36A	Sample number(s): 4329184-4329187								
Total Xylenes	108		78-130						
Benzene	114		78-131						
Toluene	113		78-129						
Ethylbenzene	110		75-133						
Batch number: 042290012A	Sample number(s): 4329186								
Methane	87	85	67-120	2	20				
Ethane	90	89	78-114	2	20				
Ethene	92	90	78-119	2	20				
Propane	87	84	62-125	4	20				
Batch number: 04229021201A	Sample number(s): 4329186								
Total Dissolved Solids	98	100	60-140	1	5	890.	876.	2	5
Batch number: 04230020601A	Sample number(s): 4329186								
Total Suspended Solids						252.	294.	15 (1)	24
Batch number: 04231020201A	Sample number(s): 4329186								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	71	71	64-130	0	2	156.	154.	1	4
Batch number: 04231022101A	Sample number(s): 4329186								
Ammonia Nitrogen						1.1	1.1	4* (1)	2
Batch number: 04231401301B	Sample number(s): 4329186								

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:57 AM

Group Number: 907517

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Sulfate	105		90-110			N.D.	N.D.	19* (1)	3
Batch number: 04233106101B	Sample number(s): 4329186								
Nitrate Nitrogen	82*		90-110			2.9	3.0	1	2

Surrogate Quality Control

Analysis Name: Base Neutrals
Batch number: 04225WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4329184	88	93	98
4329185	77	83	84
4329186	83	86	106
Blank	86	82	88
LCS	86	91	95
LCSD	93	95	98
Limits:	50-124	64-122	33-149

Analysis Name: BTEX (EPA 602)
Batch number: 04227A36A

	Trifluorotoluene-P
4329184	103
4329185	103
4329186	91
4329187	102
Blank	101
LCS	103
LCSD	103
MS	103
Limits:	72-128

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 042290012A

	Propene
4329186	94
Blank	106
LCS	100
MS	87
MSD	88

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:57 AM

Group Number: 907517

Surrogate Quality Control

Limits: 68-113

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

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

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. # 9322 Group# 907517 Sample # 432918487

COC # 0063396

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

(1)
Client: RMT, Inc. Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer Overvorde P.O.#:
Sampler: JO/EV Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	# of Containers	NH_3, SPC	8015 B	NO_2, NO_3	TP, Fe^{2+}	BTEX	EPA 625	SO_4, TSS, TDS	Bicarb Alk, Carb Alk	Remarks
SW-1	8/11/04	1645	X			X		5				X	X				
SW-2	↓	1655	↓			↓		5				X	X				
MW-22R	↓	1755	↓			↓		16	X	X	X	X	X	X	X	X	
trip blank												X					

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

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

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Overvorde	8/11/04	1845			

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

2102 Rev. [illegible]/02

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907783. Samples arrived at the laboratory on Friday, August 13, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
RB-1 Grab Water Sample	4330766
RB-2 Grab Water Sample	4330767
MW-25(R) Grab Water Sample	4330768
MW-21 Grab Water Sample	4330769
MW-2 Grab Water Sample	4330770
Trip Blank Water Sample	4330771
DUP-2 Grab Water Sample	4330772

METHODOLOGY

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

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

Lancaster Laboratories

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

Respectfully Submitted,

Michele A. Jarosick
Michele A. Jarosick
Senior Chemist, Coordinator

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

Lancaster Laboratories

Sample Reprint

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907783. Samples arrived at the laboratory on Friday, August 13, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
DUP-2 Grab Water Sample	4330772

METHODOLOGY

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

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

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

Respectfully Submitted,

MEMBER ACIL

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

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330766

RB-1 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 18:50 by JO

Account Number: 09322

~~Submitted: 08/13/2004 09:20~~
Reported: 08/31/2004 at 10:57
Discard: 10/01/2004

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

LERB1 SDG#: LEC16-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	14.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 16:13	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/26/2004 01:59	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/16/2004 18:00	Elia R Botrous	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330767

RB-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 19:05 by JO

Account Number: 09322

Submitted: 08/13/2004 09:20
Reported: 08/31/2004 at 10:58
Discard: 10/01/2004

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

LERB2 SDG#: LEC16-11

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 16:45	K. Robert Caulfeild-James	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330768

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

Collected:08/12/2004 15:33 by JO

Account Number: 09322

Submitted: 08/13/2004 09:20
Reported: 08/31/2004 at 10:58
Discard: 10/01/2004

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

LER25 SDG#: LEC16-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	> 5700.	1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
	The sample was plated by 1315 on 8-13-04 by Marlaina Kohler.					
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	200.	0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	22.4	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	323.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.15 J	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.040	mg/l	1
00228	Sulfate	14808-79-8	5.8	1.5	mg/l	5
08344	Ferrous Iron	n.a.	6.0	0.16	mg/l	20
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	44.	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330768

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

Collected:08/12/2004 15:33 by JO

Account Number: 09322

~~Submitted: 08/13/2004 09:20~~
Reported: 08/31/2004 at 10:58
Discard: 10/01/2004

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

LER25 SDG#: LEC16-12

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/16/2004 07:45	Marlaina E Kohler	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/19/2004 06:47	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/19/2004 06:47	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/19/2004 14:25	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/18/2004 10:09	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/14/2004 09:37	Shannon L Phillips	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/20/2004 18:18	Venia B McFadden	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/18/2004 14:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/17/2004 20:26	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	08/25/2004 16:13	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/15/2004 08:20	Daniel S Smith	20
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/25/2004 14:19	Lisa A Johnson	1
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 10:44	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/26/2004 02:54	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/16/2004 18:00	Elia R Botrous	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/16/2004 15:10	Nancy J Shoop	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330769

MW-21 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 16:55 by JO

Account Number: 09322

Submitted: 08/13/2004 09:20
Reported: 08/31/2004 at 10:58
Discard: 10/01/2004

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

LER21 SDG#: LEC16-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	580.	1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution. The sample was plated by 1315 on 8-13-04 by Marlaina Kohler.					
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	153.	0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	443.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.40	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.040	mg/l	1
00228	Sulfate	14808-79-8	16.1	1.5	mg/l	5
08344	Ferrous Iron	n.a.	N.D.	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330769

MW-21 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 16:55 by JO

Account Number: 09322

Submitted: 08/13/2004 09:20
Reported: 08/31/2004 at 10:58
Discard: 10/01/2004

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

LER21 SDG#: LEC16-13

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/16/2004 07:45	Marlaina E Kohler	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/19/2004 06:47	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/19/2004 06:47	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/19/2004 14:25	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/18/2004 10:09	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/14/2004 09:38	Shannon L Phillips	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/20/2004 18:19	Venia B McFadden	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/18/2004 14:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/17/2004 20:27	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	08/25/2004 16:27	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/15/2004 08:20	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/18/2004 13:37	Lisa A Johnson	1
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 11:16	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/26/2004 21:16	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/16/2004 18:00	Elia R Botrous	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/16/2004 15:10	Nancy J Shoop	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330770

MW-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 18:14 by JO

Account Number: 09322

~~Submitted: 08/13/2004 09:20~~
Reported: 08/31/2004 at 10:58
Discard: 10/01/2004

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

LERM2 SDG#: LEC16-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	> 5700.	1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution. Spreader-type colony growth was present on the plates used to enumerate this sample.					
	The sample was plated by 1315 on 8-13-04 by Marlaina Kohler.					
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	202.	0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	813.	10.	mg/l	1
00212	Total Dissolved Solids	n.a.	320.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.038 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	1.1	0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	1.0	0.040	mg/l	1
00228	Sulfate	14808-79-8	N.D.	1.5	mg/l	5
08344	Ferrous Iron	n.a.	7.1	0.16	mg/l	20
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	7,800.	400.	ug/l	200
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	26.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	7.2	0.2	ug/l	1
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	15,000.	1,000.	ug/l	1000

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330770

MW-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 18:14 by JO

Account Number: 09322

Submitted: 08/13/2004 09:20
Reported: 08/31/2004 at 10:58
Discard: 10/01/2004

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

LERM2 SDG#: LEC16-14

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

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/16/2004 07:45	Marlaina E Kohler	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/19/2004 06:47	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/19/2004 06:47	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/19/2004 14:25	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/18/2004 10:09	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/14/2004 09:39	Shannon L Phillips	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/20/2004 18:20	Venia B McFadden	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/18/2004 14:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/17/2004 20:28	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	08/25/2004 16:41	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/15/2004 08:20	Daniel S Smith	20
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/18/2004 14:23	Lisa A Johnson	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/19/2004 12:46	Lisa A Johnson	200
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 11:49	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/27/2004 10:29	Brian K Graham	1000
08108	625 Water Extraction	EPA 625	1	08/16/2004 18:00	Elia R Botrous	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/16/2004 15:10	Nancy J Shoop	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330771

Trip Blank Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004

Account Number: 09322

Submitted: 08/13/2004 09:20
Reported: 08/31/2004 at 10:58
Discard: 10/01/2004

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

LERTB SDG#: LEC16-15TB

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 15:08	K. Robert Caulfeild-James	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330772

DUP-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 by JO

Account Number: 09322

Submitted: 08/13/2004 09:20
Reported: 09/03/2004 at 08:35
Discard: 10/04/2004

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

LEDUP SDG#: LEC16-16*

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	> 5700.		1.	cfu/ml	n.a.
	This result is an estimated count. All plates used to calculate the result are outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The sample was plated by Marlaina Kohler on 8-13-04 by 1315.						
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	203.		0.41	mg/l as CaCO3	1
00206	Total Suspended Solids	n.a.	22.4		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	329.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.11	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.040	mg/l	1
00228	Sulfate	14808-79-8	5.9		1.5	mg/l	5
08344	Ferrous Iron	n.a.	4.9		0.16	mg/l	20
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	46.		2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	6.	J	1.	ug/l	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4330772

DUP-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:08/12/2004 by JO

Account Number: 09322

Submitted: 08/13/2004 09:20
Reported: 09/03/2004 at 08:35
Discard: 10/04/2004

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

LEDUP SDG#: LEC16-16*

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

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	Std Meth 9215B 19th ed 1995	1	08/16/2004 07:45	Marlaina E Kohler	n.a.
00201	Alkalinity to pH 8.3	EPA 310.1	1	08/19/2004 06:47	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	08/19/2004 06:47	Susan A Engle	1
00206	Total Suspended Solids	EPA 160.2	1	08/19/2004 14:25	Anne L Kuenzli	1
00212	Total Dissolved Solids	EPA 160.1	1	08/18/2004 10:09	Anne L Kuenzli	1
00219	Nitrite Nitrogen	EPA 353.2	1	08/14/2004 09:40	Shannon L Phillips	1
00220	Nitrate Nitrogen	EPA 353.2	1	08/20/2004 18:22	Venia B McFadden	1
00221	Ammonia Nitrogen	EPA 350.2	1	08/18/2004 14:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	08/17/2004 20:29	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	08/25/2004 16:55	Shannon L Phillips	5
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	08/15/2004 08:20	Daniel S Smith	20
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	08/18/2004 14:35	Lisa A Johnson	1
08238	BTEX (EPA 602)	EPA 602	1	08/16/2004 12:21	K. Robert Caulfeild-James	1
00554	Base Neutrals (cont)	EPA 625	1	08/26/2004 23:06	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	08/16/2004 18:00	Elia R Botrous	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	08/16/2004 15:10	Nancy J Shoop	1

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:58 AM

Group Number: 907783

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04227105101A	Sample number(s): 4330768-4330769							
Nitrite Nitrogen	N.D.	0.015	mg/l	100		89-110		
Batch number: 04227105101B	Sample number(s): 4330770,4330772							
Nitrite Nitrogen	N.D.	0.015	mg/l	100		89-110		
Batch number: 04228834402A	Sample number(s): 4330768-4330770,4330772							
Ferrous Iron	N.D.	0.0080	mg/l	100		95-105		
Batch number: 042290015A	Sample number(s): 4330768-4330770,4330772							
Methane	N.D.	2.0	ug/l	92		80-120		
Ethane	N.D.	1.0	ug/l	95		80-120		
Ethene	N.D.	1.0	ug/l	97		80-120		
Propane	N.D.	1.0	ug/l	98		80-120		
Batch number: 04229109102A	Sample number(s): 4330768-4330770							
Total Phosphorus as P (water)	N.D.	0.040	mg/l	96		90-110		
Batch number: 04229109102B	Sample number(s): 4330772							
Total Phosphorus as P (water)	N.D.	0.040	mg/l	96		90-110		
Batch number: 04229A36A	Sample number(s): 4330766-4330772							
Total Xylenes	N.D.	0.6	ug/l	104	101	82-120	2	30
Benzene	N.D.	0.2	ug/l	107	104	79-123	3	30
Toluene	N.D.	0.2	ug/l	106	103	82-119	3	30
Ethylbenzene	N.D.	0.2	ug/l	104	101	81-119	3	30
Batch number: 04229WAB625	Sample number(s): 4330766,4330768-4330770,4330772							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	92	93	68-111	2	30
Batch number: 04231021201A	Sample number(s): 4330768-4330770,4330772							
Total Dissolved Solids	N.D.	9.7	mg/l	109		80-120		
Batch number: 04231022101A	Sample number(s): 4330768-4330770,4330772							
Ammonia Nitrogen	N.D.	0.11	mg/l	97	97	91-100	0	1
Batch number: 04232020201A	Sample number(s): 4330768-4330770,4330772							

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:58 AM

Group Number: 907783

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Alkalinity to pH 4.5				100		98-103		
Batch number: 04232020601A	Sample number(s): 4330768-4330770,4330772							
Total Suspended Solids	N.D.	3.0	mg/l	82		55-132		
Batch number: 04233106102B	Sample number(s): 4330768-4330770,4330772							
Nitrate Nitrogen	N.D.	0.040	mg/l	92		89-110		
Batch number: 04238401301B	Sample number(s): 4330768-4330770,4330772							
Sulfate	N.D.	0.30	mg/l	102		89-110		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04227105101A	Sample number(s): 4330768-4330769								
Nitrite Nitrogen	102		90-110			0.023 J	0.023 J	0 (1)	20
Batch number: 04227105101B	Sample number(s): 4330770,4330772								
Nitrite Nitrogen	103		90-110			N.D.	N.D.	0 (1)	20
Batch number: 04228834402A	Sample number(s): 4330768-4330770,4330772								
Ferrous Iron	96	96	83-111	0	5	N.D.	N.D.	200* (1)	6
Batch number: 042290015A	Sample number(s): 4330768-4330770,4330772								
Methane	88	92	67-120	4	20				
Ethane	90	95	78-114	5	20				
Ethene	92	95	78-119	4	20				
Propane	89	97	62-125	9	20				
Batch number: 04229109102A	Sample number(s): 4330768-4330770								
Total Phosphorus as P (water)	105		90-110			N.D.	N.D.	0 (1)	3
Batch number: 04229109102B	Sample number(s): 4330772								
Total Phosphorus as P (water)	104		90-110			N.D.	N.D.	100* (1)	3
Batch number: 04229A36A	Sample number(s): 4330766-4330772								
Total Xylenes	110		78-130						
Benzene	114		78-131						
Toluene	113		78-129						
Ethylbenzene	112		75-133						
Batch number: 04231021201A	Sample number(s): 4330768-4330770,4330772								
Total Dissolved Solids	99	99	60-140	0	5	9,840.	9,830.	0	5

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:58 AM

Group Number: 907783

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04231022101A	Sample number(s): 4330768-4330770,4330772								
Ammonia Nitrogen						1.1	1.1	4* (1)	2
Batch number: 04232020201A	Sample number(s): 4330768-4330770,4330772								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	104	101	64-130	1	2	196.	199.	2	4
Batch number: 04232020601A	Sample number(s): 4330768-4330770,4330772								
Total Suspended Solids						444.	456.	3 (1)	24
Batch number: 04233106102B	Sample number(s): 4330768-4330770,4330772								
Nitrate Nitrogen	86*		90-110			0.37	0.36	2 (1)	2
Batch number: 04238401301B	Sample number(s): 4330768-4330770,4330772								
Sulfate	114*		90-110			25.7	25.6	0	3

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 042290015A

	Propene
4330768	93
4330769	92
4330770	86
4330772	88
Blank	101
LCS	94
MS	83
MSD	88
Limits:	68-113

Analysis Name: BTEX (EPA 602)
Batch number: 04229A36A

	Trifluorotoluene-P
4330766	102
4330767	103
4330768	101
4330769	102
4330770	96
4330771	103

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

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

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 08/31/04 at 10:58 AM

Group Number: 907783

Surrogate Quality Control

4330772	101
Blank	102
LCS	102
LCSD	101
MS	103
Limits:	72-128

Analysis Name: Base Neutrals
Batch number: 04229WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4330766	80	85	105
4330768	89	90	106
4330769	90	95	78
4330770	38*	77	37
4330772	90	89	74
Blank	89	91	120
LCS	93	86	96
LCSD	91	88	84
Limits:	50-124	64-122	33-149

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

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

Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. # 09322 Group# 907783 Sample # 4330766-772 **COC #** 0063398

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

(1)
Client: RMT, Inc. Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer Ovenoorde P.O.#:
Sampler: JO/EV Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Soil | Water | Other | (4) Total # of Containers | (5) Analyses Requested: NH_3, SpC | 8015B | NO_2, NO_3 | TP, Fe 2+ | BTEX | EPA 625 | SO_4, TSS, TDS | Bicarb Alk, Carb Alk | (6) Remarks

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	NH_3, SpC	8015B	NO_2, NO_3	TP, Fe 2+	BTEX	EPA 625	SO_4, TSS, TDS	Bicarb Alk, Carb Alk	Remarks
RB-1	8/12/04	18 50	X			X		3					X	X			
RB-2	↓	19 05	↓			↓		2					X				
MW-25(R)		15 33						16	X	X	X	X	X	X	X	X	X
MW-21		16 55						16	↓	↓	↓	↓	↓	↓	↓	↓	↓
MW-2	↓	18 14	↓			↓		16	↓	↓	↓	↓	↓	↓	↓	↓	↓
trip blank													X				
Dup-2	8/12/04		X			X		16	X	X	X	X	X	X	X	X	X

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

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

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
J Ovenoorde	8/12/04	1930	Fed Ex	8/12/04	1930
			Rebecca Shetto	8/13/04	0920

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

2102 Rev. [illegible]/02