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# First Semiannual Monitoring Report
# 2013

Dayco Corporation/L.E. Carpenter Superfund Site,
Borough of Wharton, Morris County, New Jersey
USEPA ID No. NJD002168748

**July 2013**

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*Prepared For*
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# Table of Contents


1. Introduction and Summary ..... 1-1

2. Sampling Approach and Methods ..... 2-1
   - 2.1 Water Level Measurements ..... 2-1
   - 2.2 Site-wide Groundwater Sampling ..... 2-1
   - 2.3 Surface Water Sampling ..... 2-2

3. Groundwater Elevation and Shallow Groundwater Flow ..... 3-1
   - 3.1 MW19/HS-1 Area of Concern ..... 3-3
   - 3.2 MW-30 Area of Concern ..... 3-3

4. MW-19/Hot Spot 1 Area ..... 4-1
   - 4.1 MW19/HS-1 Post-remedial Performance Monitoring ..... 4-1
   - 4.2 Groundwater Quality Impacts ..... 4-2
     - 4.2.1 Site Contaminants of Concern ..... 4-2
     - 4.2.2 Monitored Natural Attenuation Parameters and Data Analysis ..... 4-3
   - 4.3 Performance Monitoring Summary ..... 4-4

5. MW-30 Area ..... 5-1

6. Surface Water ..... 6-1
   - 6.1 Eastern Drainage Channel ..... 6-1
   - 6.2 Rockaway River ..... 6-1

7. Additional and Future Project Activities ..... 7-1
   - 7.1 General and Administrative Site Scope and Tasks ..... 7-1
   - 7.2 Future AOC Scopes and Tasks ..... 7-1
   - 7.3 Wetland Monitoring, Invasive Species Control, and Reporting ..... 7-1

## List of Tables


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


## List of Figures


| | |
|---|---|
| Figure 1 | Site Location Map |
| Figure 2 | Site Plan with Well Locations |
| Figure 3a | Site Wide Shallow Aquifer Groundwater Contour Map [1Q13] |
| Figure 3b | Site Wide Shallow Aquifer Groundwater Contour Map [2Q13] |
| Figure 4a | MW-19/Hot Spot 1 Benzene, Toluene, Ethylbenzene and Xylene Isoconcentration Maps [1Q13] |
| Figure 4b | MW-19/Hot Spot 1 Benzene, Toluene, Ethylbenzene and Xylene Isoconcentration Maps [2Q13] |
| Figure 5a | MW30 Total BTEX Isoconcentration Map [1Q13] |
| Figure 5b | MW30 Total BTEX Isoconcentration Map [2Q13] |
| Figure 6a | MW30 DEHP Isoconcentration Map [1Q13] |
| Figure 6b | MW30 DEHP Isoconcentration Map [2Q13] |


## List of Appendices


| | |
|---|---|
| Appendix A | Photographic Summary and Field Data Forms |
| Appendix B | Laboratory Analytical Reports |
| Appendix C | Project Schedule |

# Section 1
# Introduction and Summary

TRC Environmental Corporation (TRC), on behalf of L.E. Carpenter & Company (LEC), has prepared this First Semiannual Monitoring Report for 2013. This report summarizes monitoring activities conducted at the Dayco Corporation/L.E. Carpenter Superfund Site (Site) located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1) during the first and second quarters of 2013 (1Q13, 2Q13). Quarterly groundwater and surface water monitoring events are performed and associated reports are completed and submitted to the United States Environmental Protection Agency (USEPA), to comply with paragraph 49 of the 2009 Unilateral Administrative Order (UAO) issued to LEC by the USEPA (effective August 6, 2009). Beginning with the previously submitted First Semiannual Monitoring Report for 2012(1SA12), findings from the quarterly monitoring events will be presented on a semiannual basis per approval from the USEPA on February 7, 2012.

The following monitoring activities were completed during the 1Q13 and 2Q13:

- Hydrogeologic and hydrologic assessments of shallow site groundwater and adjacent surface water bodies
- Quarterly groundwater quality monitoring for constituents of concern within the MW19/HS-1 and MW-30 areas of concern (AOCs),
- Quarterly Monitored Natural Attenuation (MNA) groundwater monitoring within the MW19/HS-1 and MW-30 areas, and
- Surface water quality assessments of the Rockaway River and Eastern Drainage Channel.

This report presents a discussion of monitoring activities performed during the period and results obtained for each of the monitored AOCs. A summary of observations are as follows:

- **MW19/HS-1:** Shallow groundwater flow in the MW19/HS-1 area continues to be generally toward the northeast, with localized groundwater flow on both the north and south sides of Ross Street influenced by the utility corridor housing the large regional storm sewer line located in the center of Ross Street.

  Analytical data collected during the 1Q13 and 2Q13 continue to show that benzene, toluene, ethylbenzene, and xylenes (BTEX) are present above New Jersey Groundwater Quality Standards (NJGWQS) in a limited number of on-site groundwater wells. BTEX is not present above NJGWQS in off-site groundwater in the MW19/HS-1 area. Additionally, concentrations of the MNA parameters dissolved in groundwater continue to show that

natural attenuation via biodegradation remains strong following removal of source material.

Based on the data obtained since the removal of source material within the MW-19/HS-1 area, continuation of groundwater quality and MNA monitoring in the MW19/HS-1 area is recommended. Given that MNA parameters are not highly variable over time, TRC will reduce MNA monitoring in 2014 to once per year, to coincide with the second quarter monitoring events.

- **MW-30 AOC:** Shallow groundwater flow in the MW-30 area is similar to flow that observed prior to the 2005 source reduction. Specifically, shallow groundwater at the Site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam. The effect of the buried slurry monolith on groundwater flow is limited in extent and occurs mainly within and near the edges of the Source Reduction Area.

  A pilot scale phytoremediation system was installed in two areas of the MW-30 AOC in March, 2013. The first area is located adjacent monitoring well MW-35s, while the second is located east of MW-31s. The pilot included the installation of 51 TreeWell® System trees of various site specific species. A baseline post-installation well point sampling of groundwater is anticipated to occur during the 3Q2013 monitoring event.

  Concentrations of constituents detected within the MW-30 Post Remedial Monitoring Plan (PRMP) monitoring network exhibited concentrations consistent with previous monitoring periods. Based on the data obtained since the 2005 Source Reduction, continuation of groundwater quality monitoring and reduced frequency MNA monitoring in the MW-30 area is recommended. TRC will reduce monitoring for MNA parameters to once per year beginning in 2014, to coincide with the second quarter monitoring events.

- **Surface Water (Eastern Drainage Ditch):** BTEX constituents were not detected at any surface water monitoring locations in the Eastern Drainage Channel. *bis* 2-ethylhexyl phthalate (DEHP) was detected above the New Jersey Surface Water Quality Criteria (NJSWQC) in samples collected from two of the Eastern Drainage Channel surface water sampling locations during 1Q13 (SW-D-2, SW-D-5) and from no locations during 2Q13.

- **Surface Water (Rockaway River)**: BTEX constituents were not detected at any surface water monitoring locations in the Rockaway River surface water sampling locations during 1Q13 and 2Q13. DEHP was not detected above the NJSWQC from any of the Rockaway River surface water sampling locations during 1Q13 and 2Q13.

# Section 2
# Sampling Approach and Methods

The 1Q13 and 2Q13 monitoring activities were conducted from February 10 through February 14, 2013 and May 13 through May 15, 2013, respectively. A site plan showing current conditions and locations of the monitoring points sampled during the 1Q13 and 2Q13 sampling activities are shown on Figure 2. A copy of the field notes for both events are provided in Appendix A.

## 2.1 Water Level Measurements

Static groundwater levels were measured within 35 groundwater monitoring wells throughout the Site on February 10, 2013 and May 13, 2013 as part of the 1Q13 and 2Q13 sampling activities. In addition, surface water levels were measured at eight separate locations along the Rockaway River and four locations along the Eastern Drainage Channel. Staff gauge SW-D-1 was damaged by storm events prior to the 1Q12 sampling event and was replaced during the 2Q13 event.

## 2.2 Site-wide Groundwater Sampling

Groundwater monitoring was performed in accordance with the procedures contained in the New Jersey Department of Environmental Protection's (NJDEP's) *Field Sampling Procedures Manual* dated May 1992 (Revised August 2005), and methodologies outlined in the May 2001 MNA work plan. The MNA work plan was approved by NJDEP on January 24, 2002.

Three sample duplicates, three trip blanks, a field (atmosphere) blank, one matrix spike/matrix spike duplicate (MS/MSD), and three rinsate blanks were collected during each event to satisfy quality assurance/quality control (QA/QC) requirements outlined in the revised Quality Assurance Project Plan (QAPP) presented as Appendix C in the PRMP.

The trip blanks were prepared by the laboratory and remained with the sample containers until the samples were returned to the laboratory where they were analyzed for BTEX. The 1Q13 blind duplicate samples were collected at MW-30i (Dup-01), MW-19-5R (Dup-02), and SW-D-2 (Dup-03), and analyzed for BTEX and DEHP. Dup-01 and Dup-02 were also analyzed for MNA parameters. The 2Q13 blind duplicate samples were collected at SW-D-2 (Dup-01), MW-19-5R (Dup-02), and MW-30s(R) (Dup-03) and analyzed for BTEX and DEHP. Dup-02 and Dup-03 were also analyzed for MNA parameters. Rinsate blanks RB-01 and RB-02 were collected by circulating distilled water through the cleaned bladder pump assemblies to verify that decontamination procedures were adequate. Sampling equipment used at each well was

decontaminated prior to each use utilizing an environmental detergent (Alconox®) and clean water wash followed by a distilled water rinse. The field (atmosphere) blank was taken by opening a bottle of unpreserved distilled water, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory. Groundwater samples were submitted to Trace Analytical Laboratories, Inc. (Trace), located in Muskegon, Michigan for BTEX, DEHP, and MNA parameter analyses (State of New Jersey Laboratory Certification No. MI008).

## 2.3 Surface Water Sampling

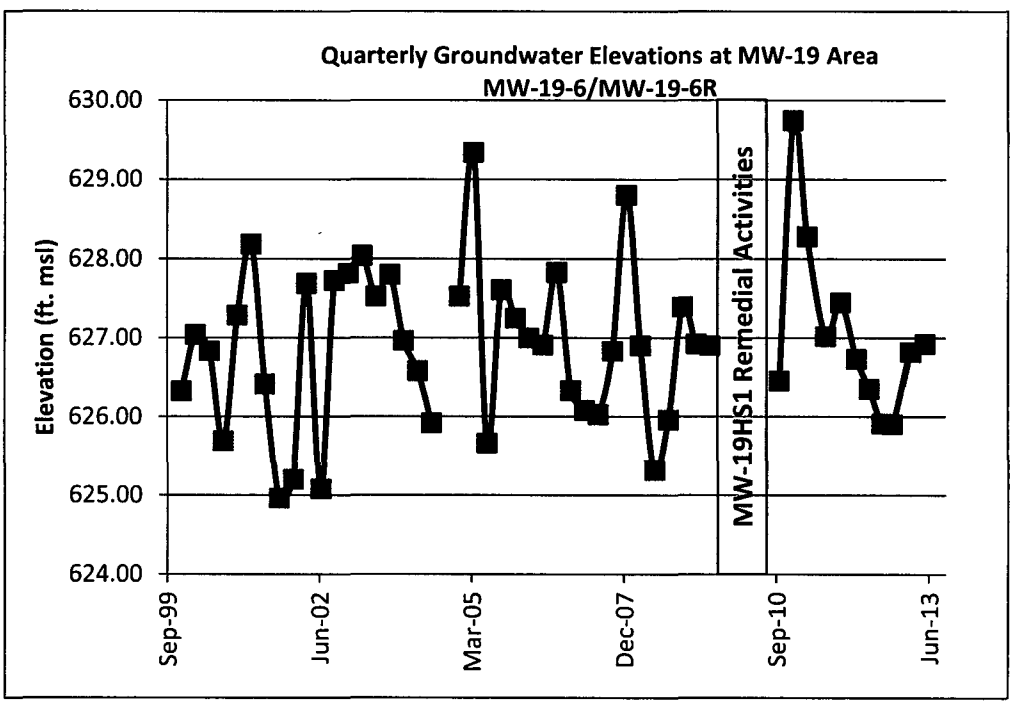
As part of the 1Q13 and 2Q13 monitoring events, five surface water locations (SW-D-1, SW-D-2, SW-D-3, SW-D-4, and SW-D-5) were sampled within the Eastern Drainage Channel that separates the adjacent Air Products property from the LEC Site and the adjacent Wharton Enterprises property. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005. Surface water samples were also collected at the intersection of the Eastern Drainage Channel and the Rockaway River (approximately 10 feet upstream in the Eastern Drainage Channel, DRC-02) and at five surface water samples from the Rockaway River (SW-R-1, SW-R-2, SW-R-3, SW-R-4, SW-R-6) as shown on Figure 2.

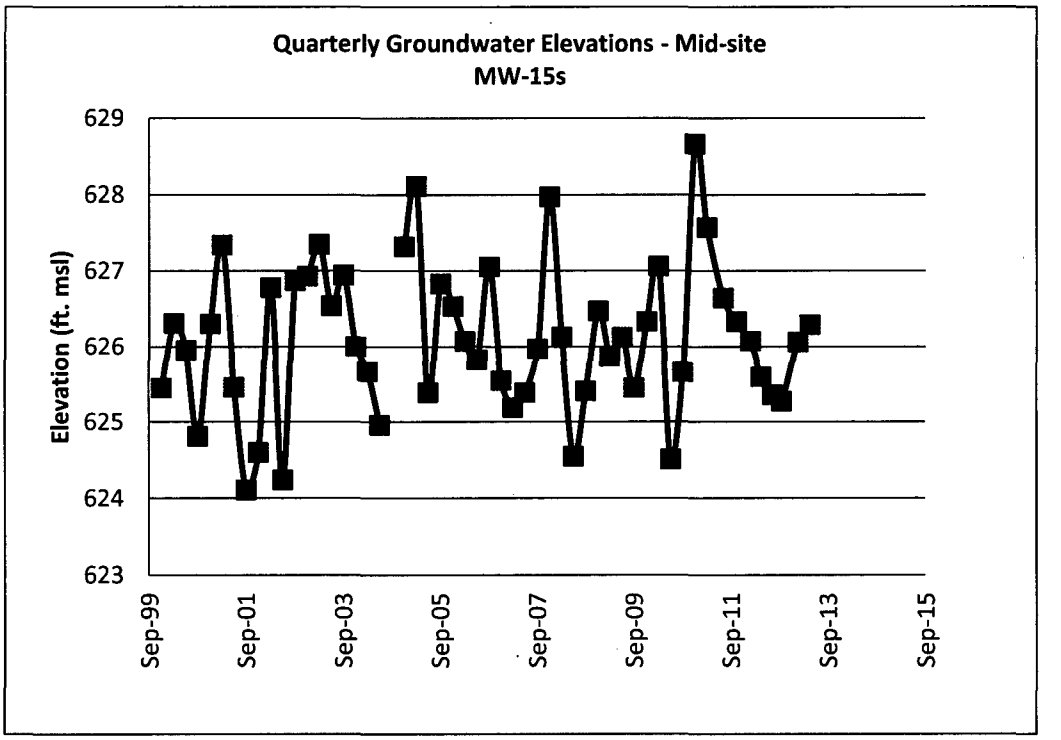
Specifics regarding surface water sampling locations, frequency and analytes are presented in the PRMP and associated QAPP. Surface water samples were submitted to Trace for analysis of BTEX and DEHP.

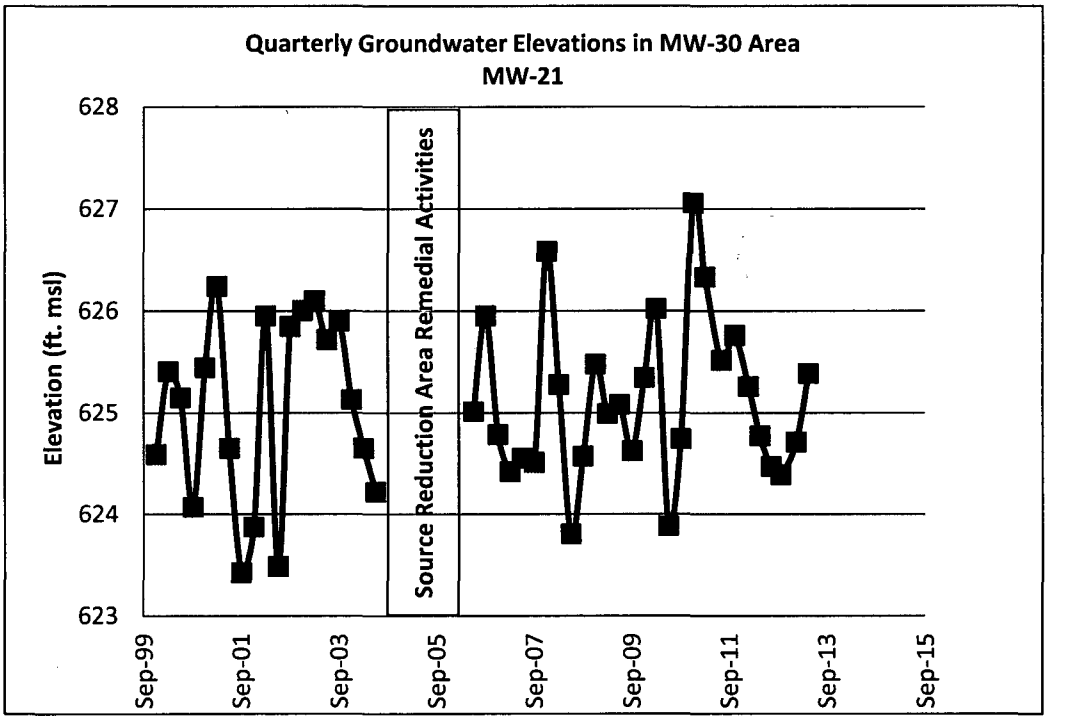
# Section 3
# Groundwater Elevation and Shallow Groundwater Flow

Static groundwater levels were measured within 35 groundwater monitoring wells throughout the Site on February 10, 2013, and May 13, 2013, as part of the 1Q13 and 2Q13 sampling activities. In addition, surface water levels were measured at eight separate locations along the Rockaway River and four locations along the Eastern Drainage Channel. Note that multiple surface water locations were frozen during the 1Q13 event that prevented the collection of readings. These data were used to calculate groundwater elevations (Table 1) with respect to the National Geodetic Vertical Datum (NGVD), and evaluate the site-wide groundwater flow pattern in the shallow aquifer system. Interpretation of the calculated groundwater elevations yielded site-wide shallow groundwater contours and associated approximate flow pattern that are shown on Figure 3a and Figure 3b for 1Q13 and 2Q13 events, respectively. The contours were prepared by utilizing the surveyed groundwater elevations from the PRMP wells, existing Site wells, and river and Eastern Drainage Channel surface water elevations.

As indicated in the graphs below, groundwater elevations measured at the MW-19 AOC fluctuate between 625 feet NGVD to 630 feet NGVD, and within the MW-30 AOC between 624 feet NGVD to 627 feet NGVD.




Quarterly Groundwater Elevations - Mid-site
MW-15s
Elevation (ft. msl)
629
628
627
626
625
624
623
Sep-99
Sep-01
Sep-03
Sep-05
Sep-07
Sep-09
Sep-11
Sep-13
Sep-15


Quarterly Groundwater Elevations in MW-30 Area
MW-21
Elevation (ft. msl)
628
627
626
625
624
623
Source Reduction Area Remedial Activities
Sep-99
Sep-01
Sep-03
Sep-05
Sep-07
Sep-09
Sep-11
Sep-13
Sep-15

## 3.1 MW19/HS-1 Area of Concern

As historically observed, shallow groundwater in the MW19/HS-1 area is generally toward the northeast (Figures 3a, 3b, 4a, and 4b). Groundwater on both the north and south sides of Ross Street is locally influenced by the utility corridor located in the center of Ross Street where the large regional storm sewer line is located.

## 3.2 MW-30 Area of Concern

Shallow groundwater flow in the MW-30 area is similar to flow observed at the Site prior to the Source Reduction in that shallow groundwater at the Site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam. This "losing" reach of river is identified by approximate flow direction arrows on Figure 3a and Figure 3b. Further east towards the wetland, shallow groundwater again becomes influent to the river. The groundwater contour map also shows that the effect of the buried slurry monolith on groundwater flow is limited in extent, mainly within and along the edges of the Source Reduction Area. The presence of the monolith does not change the overall easterly flow direction in the MW-30 area.

Surface water elevation data for the man-made Eastern Drainage Channel is consistent with its current configuration as a U-shaped pond formed as a result of downstream beaver dams (Figures 2 and 3). As shown by the flow arrows on Figure 3a and Figure 3b, shallow groundwater on-site becomes influent to the Eastern Drainage Channel and the Rockaway River surface water. The flow-path into the Eastern Drainage Channel is supported by the occasional low detections of Site COCs in some of the Eastern Drainage Channel surface water samples (see Section 5).

Further into the wetland area east of the Site, in the vicinity of monitoring location MW-21, groundwater is typically mounded slightly and flows north into the ditch system, south to the river, and west back towards the Source Reduction Area. This condition has remained relatively consistent over the period of remedial investigations conducted on the Site. A lack of detectable constituents within monitoring wells MW-21, MW-25(R), and former wells MW-14S and MW-14I support the flow path from the eastern wetland towards the western wetland. In addition, the construction of the regional sewer line (Figure 3a) did not encounter contamination until construction had progressed from east to west to the westernmost end shown on Figure 3a and Figure 3b. These data demonstrate adequate delineation of groundwater contamination, and indicate that contaminant migration is not occurring further east than the delineated area shown on Figures 5a, 5b, 6a, and 6b.

# Section 4
# MW-19/Hot Spot 1 Area

A comprehensive investigative and remedial history of the MW19/HS-1 AOC is presented in the 4th Quarter 2007 Remedial Action Progress Report (RAPR). As outlined in the RAPR, the MW19/HS-1 AOC has been under investigation since the early 1980s. Activities began with subsurface investigation and subsequent removal of two underground storage tanks (USTs) that provided bulk liquid waste storage for historical operations in the former Building 9. Long-term monitoring and investigation of groundwater quality within the area, as well as a soil gas investigation performed in 2006, showed that naturally occurring biodegradation was occurring, resulting in a stable dissolved phase "plume" that was shrinking over time, and did not pose a risk to the residences on the north side of Ross Street.

In the June 20, 2007, Notice of Deficiency (NOD) pertaining to review of the May 2006 Soil Gas Investigation Report, NJDEP stated that the extended time frame for degradation of dissolved phase groundwater contamination post source removal [USTs and surrounding soils] suggested that residual source material remained and must be addressed. To support preparation of a Remedial Action Selection Report (RASR), RMT performed an investigation of potential residual source material in August 2007. Results of this investigation and a proposed remedial approach were presented in the RASR submitted to NJDEP and USEPA in September 2007.

LEC, USEPA, and RMT developed a Statement of Work (SOW) for concurrent implementation of the MW19/HS-1 area investigation and remediation, focusing the remedial alternative for this area on soil excavation. This approach was detailed in the September 3, 2009 Addendum to the USEPA approved RAWP. The Addendum to the RAWP was approved by USEPA on December 30, 2009. Implementation of the MW19/HS-1 area investigation and remediation began on January 11, 2010 and was substantially complete by April 23, 2010. Documentation of the remedial action was included in the RAR Addendum. The outline of the excavation area associated with that remediation is shown on Figure 2.

## 4.1 MW19/HS-1 Post-Remedial Performance Monitoring

The current post-remedial groundwater monitoring well network was proposed to USEPA for approval in the RAR Addendum. USEPA approval of the proposed network was received in their September 28, 2010 email requesting current MW19/HS-1 groundwater analytical data. Four replacement monitoring wells and five new groundwater monitoring wells were installed in November 2010, in accordance with the RAR Addendum.

The groundwater elevations and analytical data from this expanded monitoring network were utilized to create the MW19/HS-1 shallow groundwater contours and evaluate flow direction and post remedial groundwater quality (Figures 4a and 4b).

## 4.2 Groundwater Quality Impacts

### 4.2.1 Site Contaminants of Concern

Groundwater samples were collected from the existing groundwater monitoring wells on February 12, 2013 and May 14-15, 2013. Results of laboratory testing are summarized on Table 2. Figure 4a and 4b shows isoconcentration contours for BTEX constituents for 1Q13 and 2Q13, respectively. Corresponding analytical laboratory reports are presented in Appendix B.

As shown on Figures 4a and 4b, the current well network is adequate to define the current extent of residual groundwater contamination that remains following the aggressive soil removal operation completed in early 2010. The lateral extent of BTEX detected in groundwater is similar to the extent reflected in the 2Q11 through the 2SA12 monitoring reports.

Concentrations in monitoring well MW-19-7R remain non-detectable at the property boundary. Both Ross Street monitoring wells (MW-19-17 and MW-19-12) remained non-detect for site related COCs during the 1Q13, but showed uncharacteristic low-level detections for ethylbenzene and xylene during the 2Q13 event. Similarly, concentrations at on-site downgradient well MW-19-13 have lowered to nearly non-detectable levels and thus define the downgradient limit of dissolved-phase contamination (Figures 4A and 4B).

As discussed in prior quarterly groundwater monitoring reports, the lack of downward migration of COCs is supported by historical groundwater elevation data that shows predominantly upward vertical hydraulic gradients in the MW19/HS-1 area and in all other former and existing deep/shallow well clusters across the Site. Site-wide upward hydraulic gradients would be expected because of the regional hydrogeologic features; specifically the upward gradient is a function of the regional groundwater discharge to the Rockaway River system. The Washington Forge Pond (at an elevation of approximately 639 feet) and the Rockaway River act as constant head boundaries, and together comprise a regional aquifer discharge area.

### 4.2.2 Monitored Natural Attenuation Parameters and Data Analysis

The current groundwater monitoring well network and monitoring program was proposed in the RAR Addendum. USEPA approval of the network was received in their September 28, 2010 email requesting current MW19/HS-1 groundwater analytical data. Additional groundwater monitoring wells were installed in November 2010, in accordance with the RAR Addendum. Concentrations of MNA parameters are summarized on Tables 3 and 4.

Natural attenuation of petroleum hydrocarbons via biodegradation has been documented to be a universal phenomenon that occurs at 100 percent of sites with BTEX hydrocarbon contamination, and is found to be protective at more than 80 percent of those sites (Wiedemeier, 1997). As discussed in prior quarterly groundwater monitoring reports, natural attenuation of BTEX components related to the residual soil contamination in the MW19/HS-1 AOC has been observed, and is responsible for limiting the downgradient migration distance at the site.

The MNA parameters continue to show that biodegradation remains strong, primarily along the outer edges of residual source material centered on MW-19-5R. During 1Q13 and 2Q13, heterotrophic plate counts (HPC) levels show that microbial populations continue to thrive within the plume and supports the occurrence of natural attenuation via biodegradation.

In addition, electron donor zones that develop in the subsurface as a function of naturally occurring biodegradation are apparent in the 1Q13 and 2Q13 data:

- The first zone developed during degradation of hydrocarbon plumes is the methanogenic zone. Current data at the Site shows that methanogenesis is strongest in the current plume core 1,100 µg/L and 7,200 µg/L of methane centered on MW-19-5R during 1Q13 and 2Q13, respectively. Methane remains low or non-detectable (<1 µg/L in 1Q13 and 1.6 µg/L in 2Q13) on the north side of Ross Street at MW-19-12, which corresponds with the lack of detectable contaminants serving as a carbon source for microbial populations at that location.
- Reduction of ferric iron as a result of biodegradation is typically the second electron donor zone produced during degradation of hydrocarbon plumes. This process has resulted in relatively high concentrations of ferrous iron within the current plume core. Specifically, ferrous iron was measured in MW-19-5R during 1Q13 and 2Q13 at levels of 20 and 30 ppm, respectively.

Because of the strong MNA documented above and in previous reports, TRC anticipates that remaining contaminants dissolved in groundwater will continue to attenuate over

time. As a result, TRC recommends that monitoring for MNA parameters be reduced to once per year, to coincide with the second quarter groundwater monitoring events. These parameters include: heterotrophic plate count, total disolved solids, nitrate, ammonia, phosphorus, sulfate, methane, ferrous iron, alkalinity, and carbon dioxide.

## 4.3 Performance Monitoring Summary

The MW19/HS-1 groundwater observations are summarized as follows:

- Groundwater flow at the Site is east-northeast and does not flow from the Site to the homes along the north side of Ross Street.
- The downgradient footprint of residual groundwater contamination remains stable when compared to that identified during the 3Q10 event. However, the upgradient footprint has lessened significantly as evidenced by the near lack of detectable constituents of concern in MW-19R. This observation confirms that the excavation effectively removed sources that had previously been located under the former Building 19 and associated drains.
- Data show that natural attenuation via biodegradation of residual contamination is active and steady.
- TRC will reduce that monitoring for MNA parameters to once per year beginning in 2014, to coincide with the second quarter groundwater monitoring events.

# Section 5
# MW-30 Area

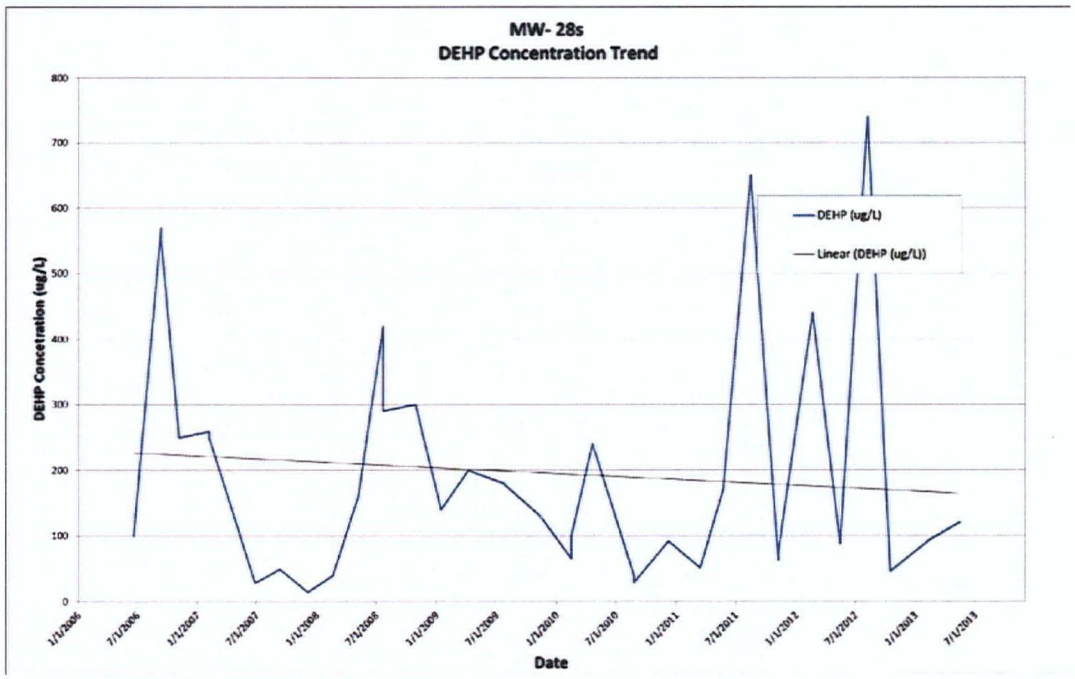
The 2005 Source Reduction was implemented in the MW-30 area to remove as much of the Light Non-Aqueous Phase Liquid (LNAPL) mass as possible. It was anticipated that some dissolved-phase contamination would remain in groundwater following the Source Reduction, and that residual groundwater contamination would to be addressed as part of a formal Record of Decision (ROD) amendment. The 2005 Source Reduction was a success in that no LNAPL free product has been measured within the Source Reduction Area since completion of that work and implementation of the PRMP. Residual contamination is being monitored and addressed as described below.

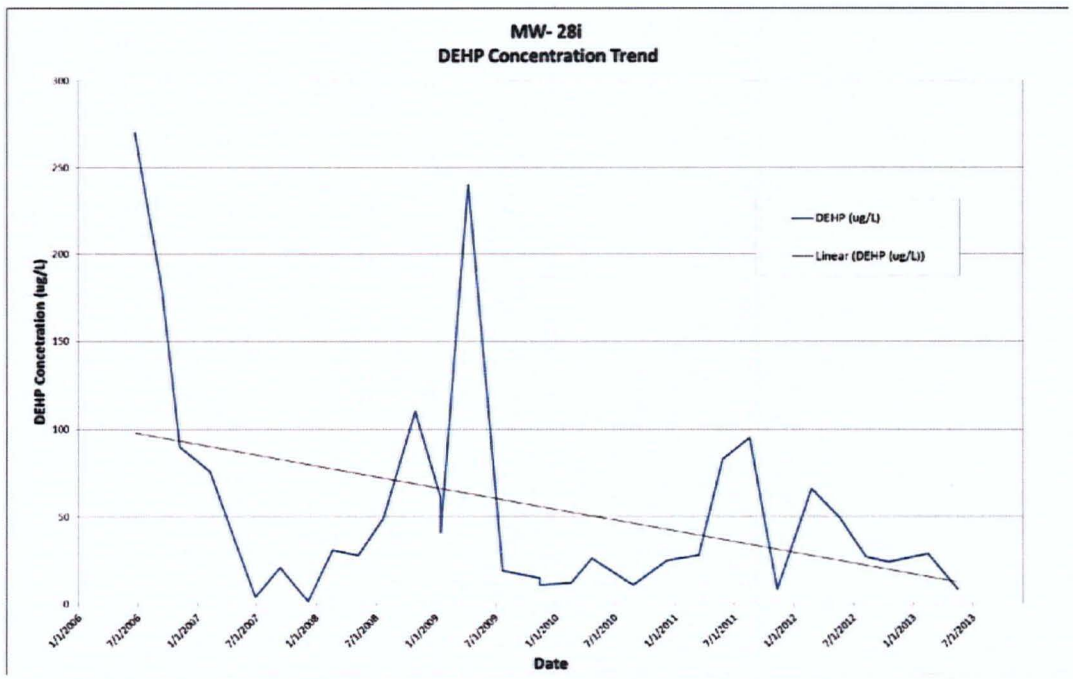
As shown on Figures 5a, 5b, 6a, and 6b, the current monitoring network defines the current extent of groundwater contamination that remains within the MW-30 area. The affected groundwater is bounded by monitoring well MW-25(R) to the east, which has had historically non-detect to sporadic very low level concentrations of site COCs, bounded by the surface water monitoring points within drainage ditch between MW-30 area and the offsite Air Products property to the north, and the Rockaway River surface water sampling locations to the south. The mass of the plume is well characterized by monitoring wells MW-31 through MW-35 within the wetland area and by monitoring well clusters MW-28 and MW-30 within the area subject to the aggressive source removal operation completed in 2005. The analytical results from previous monitoring events are summarized in Tables 2 through 5.

The shallow wells that lie within the central (MW-28 cluster) and downgradient (MW-30 cluster) portions of the Source Reduction Area both have screens that were placed below the slurry monolith. At both locations, intermediate monitoring wells MW-28i and MW-30i were installed and screened approximately 5 feet below the bottom of the shallow well screen (15 to 20 feet below ground surface [ft bgs] and 10 to 15 ft bgs, respectively.)

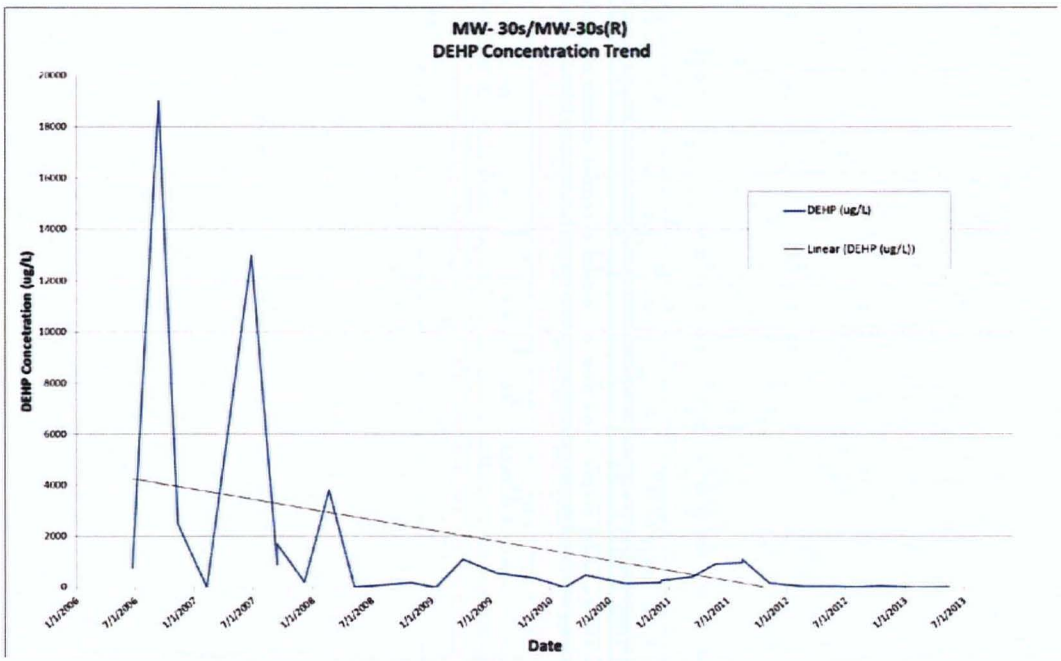
In 1Q13 and 2Q13, low levels of dissolved groundwater contamination continue to be observed in the Source Reduction Area interior monitoring wells MW-28s and MW-28i (Table 2). However, BTEX concentrations have reduced to nearly non-detectable levels since post remediation monitoring began in June 2006. Low levels of ethylbenzene and xylene were detected slightly above the practical quantification limit (PQL) in MW-28S in 1Q13 and 2Q13. Concentrations at MW-30s(R) remain well below the Class II-A NJGWQS. Ethylbenzene and xylenes have only been detected once in MW-28i since 4Q06.

Dissolved DEHP concentrations continue to fluctuate at both MW-28s and MW-28i, as shown below. The 2Q2013 results returned to the lower range of concentrations detected since the Source Reduction action. Relatively elevated levels of DEHP found during the 3Q11, 2Q12, and 3Q12 events are likely related to high levels of turbidity in those specific groundwater. The overall trend of DEHP concentrations are declining as shown in the following graphs:



Dissolved Site COCs also continue to be present in groundwater samples collected from Source Reduction Area downgradient well MW-30s(R). However, only DEHP remains above NJGWQS; all BTEX concentrations have been either non-detect or below NJGWQS in MW-30s and MW-30s(R) since 1Q08. The concentration of DEHP in well MW-30s(R), while fluctuating somewhat from quarter to quarter, has a strong declining trend as shown in the following graph:




Since 1Q07, only sporadic low-level detections of DEHP have been found in groundwater collected from monitoring wells MW-30i and MW-30d. DEHP concentrations were non-detect during 1Q13 and 2Q13.

As part of the 1Q13 and 2Q13 sampling events, the five wetland area monitoring wells (MW-31s, MW-32s, MW-33s, MW-34s, and MW-35s) were sampled for groundwater quality. The location of these wells, with respect to the Source Reduction and wetland areas, are shown on Figures 2; with the exception of MW-31s, all of these wells are located outside of and downgradient from the Source Reduction excavation area.

During 1Q13 , groundwater samples collected from wetland area wells MW-31s, MW-32s, and MW-35s had concentrations of benzene, ethylbenzene and total xylenes above the higher of the NJGWQS and PQL (Table 2; Figure 5a). Groundwater samples collected from MW-31s, MW-32s, MW-33s, MW-34s, and MW-35s also contained concentrations of DEHP above the greater of the NJGWQS and PQL (Table 2 and Figure 6a).

Prior to the 2Q13 event, TRC initiated an in-field pilot to assess the viability of phytoremediation to reduce COCs in groundwater and soil in the MW-30 area. A total of 51 TreeWell® System trees were planted in March 2013 at the proposed locations within the wetland area (Figures 3b, 5b, and 6b).

During 2Q13 , groundwater samples collected from wetland area wells MW-31s had concentrations of benzene, ethylbenzene and total xylenes above the higher of the NJGWQS and PQL, while MW-32s had concentrations of benzene and total xylenes above the higher of the NJGWQS and PQL and MW-35s located within the phytoremediation pilot study area showed significant decreases in BTEX concentrations with only benzene above the NJGWQS and PQL (Table 2; Figure 5b). Groundwater samples collected from MW-31s, MW-32s, MW-33s, MW-34s, and MW-35s also contained concentrations of DEHP above the greater of the NJGWQS and PQL, but at meaningfully reduced concentrations when compared to historical results (Table 2 and Figure 6a).

Free product measurements were conducted with an interface probe and no free product was detected in any of the wetland wells during the 1Q13 and 2Q13 events. The concentration trends of dissolved benzene, ethylbenzene, and xylenes as well as effectiveness of the phytoremediation pilot study will continue to be carefully monitored.

Concentrations of detected MNA parameters collected from this area of the Site are summarized on Tables 3 and 4. These parameters continue to show that biodegradation remains strong downgradient of the 2005 Source Remediation Area. Given that MNA parameters are not highly variable over time, TRC will reduce the monitoring of MNA parameters to once per year beginning in 2014, to coincide with the second quarter groundwater monitoring events.

# Section 6
# Surface Water

The Rockaway River adjacent and downstream from the LEC Site is classified as a Category 1 fresh water trout maintenance stream (FW2-TM(C1); ref. Surface Water Quality Standard Reference: N.J.A.C 7:9B-1.15 (e), Table 3 January 2010; (Dover) – Washington Pond outlet downstream to Rt. 46 bridge). In N.J.A.C. 7:9B-1.4, "Category 1 waters" means those waters designated in the tables in N.J.A.C. 7:9B-1.15(c) through (g), for purposes of implementing the antidegradation policies set forth at N.J.A.C. 7:9B-1.5(d), for protection from measurable changes in water quality based on exceptional ecological significance, exceptional recreational significance, exceptional water supply significance, or exceptional fisheries resource(s) to protect their aesthetic value (color, clarity, scenic setting) and ecological integrity (habitat, water quality, and biological functions). As such, TRC compared Site COC concentrations detected in the Eastern Drainage Channel and Rockaway River samples against background concentrations found in upgradient sample SW-R-6, collected below the Washington Forge Pond dam, at the upgradient end of the Site.

## 6.1 Eastern Drainage Channel

As part of the 1Q13 and 2Q13 events, five points (SW-D-1, SW-D-2, SW-D-3, SW-D-4, and SW-D-5) within the Eastern Drainage Channel that separates the adjacent Air Products property from the LEC Site and the adjacent Wharton Enterprises property were sampled for surface water quality. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005.

All surface water sample locations are shown on Figure 2. The laboratory analytical results for these Eastern Drainage Channel samples are summarized on Table 5, and Figures 5a, 5b, 6a, and 6b.

BTEX constituents were not detected at any surface water monitoring locations in the Eastern Drainage Channel. DEHP was detected above the NJSWQC in samples collected from two of the Eastern Drainage Channel surface water sampling locations during 1Q13 (SW-D-2, SW-D-5) and from no locations during 2Q13.

## 6.2 Rockaway River

In addition to the Eastern Drainage Channel, five surface water samples were collected from the Rockaway River (Table 5 and Figures 5a, 5b, 6a, and 6b).

BTEX constituents were not detected at any surface water monitoring locations in the Rockaway River surface water sampling locations during 1Q13 and 2Q13. DEHP was not detected above the NJSWQC from any of the Rockaway River surface water sampling locations during 1Q13 and 2Q13.

River sample SW-R-6 was taken just downstream of the Washington Forge Pond dam. As a result of USEPA comments in an email dated December 21, 2009, this location serves as the background monitoring location for the Site. Surface water samples SW-R-1 through SW-R-4, are compared to the results of SW-R-6, per N.J.A.C. 7:9B-1.5 (d) 6iii. DEHP was not detected in the surface water sample SW-R-6 during the 1Q13 and 2Q13 events..

Another surface water sample was collected in the Eastern Drainage Channel near its intersection with the Rockaway River (approximately 10 feet upstream in the Eastern Drainage Channel; see Figure 2). This location represents the surface water discharge point from the Eastern Drainage Channel/beaver pond into the Rockaway River. BTEX and DEHP were not detected above the NJSWQC in the "Ditch-River Confluence" sample, DRC-2, during 1Q13 and 2Q13. Historical analytical results for DEHP from this location have been non-detect.

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

# Section 7
# Additional and Future Project Activities

LEC, USEPA, and RMT designed a SOW to accompany the UAO. Both the UAO and associated SOW were executed in August 2009. The following subsections briefly outline continuing UAO and SOW required activities anticipated for completion over the next 3 to 6 months. An updated Master Project Schedule is presented in Appendix C.

## 7.1 General and Administrative Site Scope and Tasks

Following receipt of USEPA approval of the Final RAWP Addendum documenting assessment and preferred remedial action for the MW-30 AOC:

- Finalize the Community Involvement Plan (CIP)
- Finalize the Revised RAWP Addendum and associated Uniform Federal Policy (UFP) compliant QAPP

## 7.2 Future AOC Scopes and Tasks

The following narrative outlines upcoming tasks for the MW-19 and MW-30 AOCs.

- Continue quarterly groundwater quality monitoring activites for the site with semiannual reporting.
- Reduce MNA monitoring beginning in 2014 from quarterly to annually, coincident with the second quarter monitoring events.
- Continue surface water quality monitoring activities, with semiannual reporting.
- Move forward with final implementation of a full scale remedial approach for the MW-30 AOC as presented in the April 26, 2012 Technical Memorandum.
- Finalize the RA Work Plan Addendum.

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

Wetland monitoring in 2013 occurred in May 2013 and the second event is scheduled for September 2013 with the subsequent annual report submitted in December 2013.

Ultimate wetland restoration was addressed in the Addendum to the USEPA-approved RAWP (RMT, April 2004), submitted September 3, 2009. Restoration of the wetlands will be coordinated with the implementation of the final remedy in the MW-30 AOC and described in the Final RA Work Plan Addendum.

# Tables

**TABLE 1**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Elevations

| Well Location | Ground Elevation [6] | Outer Well Casing | Inner Well casing | Measure Date | Product Depth | Water Depth [6] | Product Thickness | Water Elevation[1] | Measure Date | Product Depth | Water Depth [6] | Product Thickness | Water Elevation[1] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter | | | | | First Quarter (2/10/2013) | | | | | Second Quarter (5/13/2013)[7] | | | |
| Units | | | | | ft | ft | ft | ft | | ft | ft | ft | ft |
| GEI-3I | 636.96 | 639.39 | 639.25 | 2/10/2013 | NOT MEASURED | | | | 5/13/2013 | -- | 12.31 | -- | 626.94 |
| MW-12S(R) | 631.57 | 634.26 | 633.73 | 2/10/2013 | -- | 7.49 | -- | 626.24 | 5/13/2013 | -- | 7.22 | -- | 626.51 |
| MW-13I | 627.76 | 630.28 | 630.06 | 2/10/2013 | -- | 4.56 | -- | 625.50 | 5/13/2013 | -- | 4.31 | -- | 625.75 |
| MW-13S | 627.74 | 630.80 | 630.63 | 2/10/2013 | NOT MEASURED | | | | 5/13/2013 | NOT MEASURED | | | |
| MW-13S(R) | 627.66 | 630.36 | 629.99 | 2/10/2013 | NOT MEASURED | | | | 5/13/2013 | NOT MEASURED | | | |
| MW-15I | 634.14 | 636.28 | 636.06 | 2/10/2013 | -- | 10.09 | -- | 625.97 | 5/13/2013 | -- | 9.73 | -- | 626.33 |
| MW-15S | 634.23 | 636.43 | 636.17 | 2/10/2013 | -- | 10.11 | -- | 626.06 | 5/13/2013 | -- | 9.88 | -- | 626.29 |
| MW-17(S) | 632.35 | 634.32 | 634.19 | 2/10/2013 | -- | 7.05 | -- | 627.14 | 5/13/2013 | -- | 17.59 | -- | 616.60 |
| MW-19R | 635.19 | 635.31 | 634.95 | 2/10/2013 | -- | 8.05 | -- | 626.90 | 5/13/2013 | -- | 8.06 | -- | 626.89 |
| MW-19-5R | 635.51 | 635.54 | 635.20 | 2/10/2013 | -- | 8.49 | -- | 626.71 | 5/13/2013 | -- | 8.30 | -- | 626.90 |
| MW-19-6R | 635.87 | 635.85 | 635.46 | 2/10/2013 | -- | 8.64 | -- | 626.82 | 5/13/2013 | -- | 8.54 | -- | 626.92 |
| MW-19-7R | 635.30 | 635.36 | 634.97 | 2/10/2013 | -- | 8.29 | -- | 626.68 | 5/13/2013 | -- | 8.20 | -- | 626.77 |
| MW-19-8 | 635.57 | 635.52 | 635.11 | 2/10/2013 | -- | 8.44 | -- | 626.67 | 5/13/2013 | -- | 8.33 | -- | 626.78 |
| MW-19-12 | 634.93 | 634.93 | 634.46 | 2/10/2013 | -- | 7.75 | -- | 626.71 | 5/13/2013 | -- | 7.65 | -- | 626.81 |
| MW-19-13 | 634.87 | 634.81 | 634.33 | 2/10/2013 | -- | 7.74 | -- | 626.59 | 5/13/2013 | -- | 7.54 | -- | 626.79 |
| MW-19-14 | 635.07 | 635.14 | 634.82 | 2/10/2013 | -- | 7.90 | -- | 626.92 | 5/13/2013 | -- | 7.91 | -- | 626.91 |
| MW-19-15 | 635.56 | 635.57 | 635.26 | 2/10/2013 | -- | 8.89 | -- | 626.37 | 5/13/2013 | -- | 8.19 | -- | 627.07 |
| MW-19-16 | 634.66 | 634.67 | 634.35 | 2/10/2013 | -- | 6.52 | -- | 627.83 | 5/13/2013 | -- | 6.47 | -- | 627.88 |
| MW-19-17 | 636.26 | 636.25 | 635.85 | 2/10/2013 | -- | 9.04 | -- | 626.81 | 5/13/2013 | -- | 8.93 | -- | 626.92 |
| MW-21 | 624.57 | 628.49 | 628.20 | 2/10/2013 | -- | 3.49 | -- | 624.71 | 5/13/2013 | -- | 2.81 | -- | 625.39 |
| MW-25(R) | 624.65 | 626.77 | 626.62 | 2/10/2013 | -- | 2.24 | -- | 624.38 | 5/13/2013 | -- | 2.19 | -- | 624.43 |
| MW-27s | 635.82 | 635.78 | 635.07 | 2/10/2013 | -- | 8.80 | -- | 626.27 | 5/13/2013 | -- | 8.50 | -- | 626.57 |
| MW-28S | 628.20 | 631.28 | 631.14 | 2/10/2013 | -- | 5.56 | -- | 625.58 | 5/13/2013 | -- | 5.29 | -- | 625.85 |
| MW-28I | 628.25 | 631.20 | 631.04 | 2/10/2013 | -- | 5.53 | -- | 625.51 | 5/13/2013 | -- | 5.24 | -- | 625.80 |
| MW-29S | 629.87 | 632.85 | 632.66 | 2/10/2013 | -- | 7.31 | -- | 625.35 | 5/13/2013 | -- | 7.05 | -- | 625.61 |
| MW-30S(R) | 625.21 | 628.14 | 627.94 | 2/10/2013 | -- | 2.46 | -- | 625.48 | 5/13/2013 | -- | 2.51 | -- | 625.43 |
| MW-30I | 625.18 | 628.29 | 628.13 | 2/10/2013 | -- | 2.54 | -- | 625.47 | 5/13/2013 | -- | 2.71 | -- | 625.42 |
| MW-30D | 625.16 | 628.22 | 628.00 | 2/10/2013 | -- | 2.66 | -- | 625.36 | 5/13/2013 | -- | 2.49 | -- | 625.51 |
| MW-31S | 627.44 | 629.94 | 629.78 | 2/10/2013 | -- | 5.18 | -- | 624.60 | 5/13/2013 | -- | 4.94 | -- | 624.84 |
| MW-32S | 627.72 | 630.23 | 630.15 | 2/10/2013 | -- | 5.50 | -- | 624.65 | 5/13/2013 | -- | 5.38 | -- | 624.77 |
| MW-33S | 628.69 | 630.99 | 630.86 | 2/10/2013 | -- | 5.85 | -- | 625.01 | 5/13/2013 | -- | 5.90 | -- | 624.96 |
| MW-34S | 627.21 | 629.87 | 629.91 | 2/10/2013 | -- | 5.31 | -- | 624.60 | 5/13/2013 | -- | 5.32 | -- | 624.59 |
| MW-35S | 627.21 | 629.55 | 629.17 | 2/10/2013 | -- | 4.50 | -- | 624.67 | 5/13/2013 | -- | 4.37 | -- | 624.80 |
| MW-8 | 627.39 | 629.96 | 628.19 | 2/10/2013 | -- | 2.74 | -- | 625.45 | 5/13/2013 | -- | 2.74 | -- | 625.45 |
| MW-9 | 628.61 | 631.09 | 629.58 | 2/10/2013 | -- | 3.61 | -- | 625.97 | 5/13/2013 | -- | 3.14 | -- | 626.44 |
| DRC-02 | 623.29 | -- | -- | 2/10/2013 | -- | 1.25 | -- | 622.04 | 5/13/2013 | -- | 2.56 | -- | 620.73 |
| SW-D-1 | 626.66 | -- | -- | 2/10/2013 | NOT MEASURED | | | | 5/13/2013 | -- | 2.90 | -- | 623.76 |
| SW-D-2 | 626.07 | -- | -- | 2/10/2013 | -- | 2.11 | -- | 623.96 | 5/13/2013 | -- | 2.13 | -- | 623.94 |
| SW-D-3 | 625.70 | -- | -- | 2/10/2013 | -- | 1.35 | -- | 624.35 | 5/13/2013 | -- | 1.60 | -- | 624.10 |
| SW-D-4 | 625.02 | -- | -- | 2/10/2013 | -- | 1.50 | -- | 623.52 | 5/13/2013 | -- | 2.00 | -- | 623.02 |
| SW-D-5 | 623.87 | -- | -- | 2/10/2013 | -- | 3.01 | -- | 623.85 | 5/13/2013 | -- | 3.30 | -- | 620.57 |
| SW-R-1 | 625.87 | -- | -- | 2/10/2013 | -- | 2.15 | -- | 623.72 | 5/13/2013 | -- | 2.32 | -- | 623.55 |
| SW-R-2 | 626.54 | -- | -- | 2/10/2013 | NOT MEASURED | | | | 5/13/2013 | -- | 2.12 | -- | 624.42 |
| SW-R-3 | 626.25 | -- | -- | 2/10/2013 | NOT MEASURED | | | | 5/13/2013 | -- | 1.50 | -- | 624.75 |
| SW-R-4 | 627.57 | -- | -- | 2/10/2013 | -- | 2.56 | -- | 625.01 | 5/13/2013 | -- | 2.36 | -- | 625.21 |
| SW-R-5 | 640.66 | -- | -- | 2/10/2013 | NOT MEASURED | | | | 5/13/2013 | -- | 2.14 | -- | 638.52 |
| SW-R-6 | 630.44 | -- | -- | 2/10/2013 | NOT MEASURED | | | | 5/13/2013 | NOT MEASURED | | | |
| SG-R2 | 629.41 | -- | -- | 2/10/2013 | -- | 2.81 | -- | 626.60 | 5/13/2013 | -- | 2.21 | -- | 627.20 |

**Notes**

(1) Corrected water level elevations for wells with measureable free product utilize an average specific gravity of 0.9363 (TRC product sampling in October 1999)

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

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

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

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

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

(7) SW-R-6 and SW-D-1 were resurveyed May 2013 due to ice flow damage within the river

**TABLE 2**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) | 1,3-Butadiene |
|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW19 (abandoned) | 2/24/1995 | <660 | 1,700 | 110,000 | 10,000 | NM | -- |
| | 6/14/1995 | 150 | 3,400 | 140,000 | 17,000 | NM | -- |
| | 4/24/1998 | <1,000 | 2,850 | 76,700 | 14,900 | 6.6 | -- |
| | 8/2/2001 | <95 | 3,000 | 62,000 | 17,000 | 2.9 | -- |
| | 6/6/2002 | <200 | 1,000 | 30,000 | 6,000 | 5.6 | -- |
| | 11/20/2003 | <20 | 1,500 | 40,000 | 7,400 | 6.0 J | -- |
| | 6/15/2004 | <100 | 1,400 | 46,000 | 6,600 | 4.0 J | -- |
| | 8/10/2004 | <20 | 2,100 | 56,000 | 11,000 | 2.0 J | -- |
| | 1/13/2005 | <10 | 750 | 18,000 | 3,600 | <1.0 | -- |
| | 4/8/2005 L | <1.0 | 97 | 1,300 | 530 | 3.0 J | -- |
| | 4/8/2005 U | <0.2 | 86 | 410 | 430 | 3.0 J | -- |
| | 7/27/2005 | <40 | 1,100 | 44,000 | 6,000 | 2.0 | -- |
| | 10/27/2005 | <20 | 200 | 10,000 | 1,200 | 5.0 J | -- |
| | 2/28/2006 | <50 | 880 | 28,000 | 4,900 | 3.0 J | -- |
| | 6/20/2006 | <40 | 1,600 | 53,000 | 8,700 | 3.0 J | -- |
| | 9/13/2006 | <40 | 2,100 | 51,000 | 11,000 | 3.0 J | -- |
| | 11/8/2006 | <40 | 2,200 | 59,000 | 11,000 | 2.0 J | -- |
| | 2/8/2007 | <500 | 1,900 | 93,000 | 9,800 | <1.0 | -- |
| | 6/27/2007 | <50 | 680 | 32,000 | 3,000 | <1.0 | -- |
| | 9/12/2007 | <100 | 1,500 | 76,000 | 7,300 | 2.6 | -- |
| | 12/4/2007 | <250 | 1,500 | 49,000 | 7,500 | <1.1 | -- |
| | 2/20/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 5/7/2008 | <100 | 650 | 26,000 | 2,800 | <1.0 | -- |
| | 7/23/2008 | <10 | 1,000 | 35,000 | 5,400 | <1.0 | -- |
| | 10/29/2008 | <40 | 1,400 | 43,000 | 6,800 | 3.0 J | -- |
| | 1/14/2009 | <45 | 700 | 34,000 | 3,500 | 2.0 J | -- |
| | 4/8/2009 (3) | <45 | 940 | 37,000 | 4,800 | 3.0 J | -- |
| | 7/22/2009 | <45 | 1,100 | 48,000 | 5,700 | 1.0 J | -- |
| MW19R | 12/8/2010 | <0.5 | 400 | 1,000 | 1,200 | 1.2 | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | <1.0 |
| | 5/24/2011 | <0.5 | 43 | 8.3 | 200 | 1.6 | -- |
| | 8/16/2011 | <0.5 | 39 | 230 | 120 | <0.98 | -- |
| | 11/9/2011 | <0.5 | <0.5 | 0.56 | <1.5 | <0.95 | -- |
| | 2/22/2012 | <0.5 | <0.5 | <0.5 | <1.5 | 1.0 | -- |
| | 5/16/2012 (5) | <0.5 | <0.5 | <0.5 | <1.5 | 20 | -- |
| | 8/9/2012 | <0.50 | 1.5 | 4.8 | 1.5 | <1.0 | -- |
| | 10/18/2012 | <0.50 | 1.3 | <0.50 | <1.5 | <1.0 | -- |
| | 2/12/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 5/15/2013 | <0.50 | 0.8 | <0.50 | <1.5 | <1.0 | -- |

**LEGEND**

ug/L = micrograms per liter
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit
**Bold** concentrations are above reporting limits but below criteria.
**Concentration exceeds NJGWQS**

FS= Well frozen.
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
D = Duplicate sample
L = Lower Grab Sample
U = Upper Grab Sample

**TABLE 2**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) | 1,3-Butadiene |
|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW19-5 (abandoned) | 3/12/1998 | <1,000 | 1,920 | 123,000 | 10,100 | 42 | -- |
| | 8/2/2001 | <190 | 870 | 79,000 | 5,200 | 3.2 | -- |
| | 3/7/2002 | <140 | 300 | 10,000 | 1,700 | 1.3 | -- |
| | 6/5/2002 | <1,100 | 1,100 | 92,000 | 6,300 | <9.8 | -- |
| | 6/5/2002 D | <1,100 | 1,300 | 92,000 | 6,900 | <9.4 | -- |
| | 11/19/2003 | <0.2 | <0.2 | 4.3 | 0.9 J | <0.9 | -- |
| | 12/18/2003 | <0.2 | 3.7 | 240 | 24 | <0.9 | -- |
| | 6/16/2004 | <100 | 1,400 | 83,000 | 7,400 | 1.0 J | -- |
| | 8/10/2004 | <200 | 2,800 | 140,000 | 14,000 | 1.0 J | -- |
| | 1/13/2005 | <2.0 | 64 | 3,100 | 340 | <1.0 | -- |
| | 4/9/2005 L | <40 | 1,000 | 27,000 | 5,300 | 1.0 J | -- |
| | 4/9/2005 U | <0.2 | 0.4 J | 9.5 | 2.3 J | <1.0 | -- |
| | 7/26/2005 | <100 | 2,600 | 100,000 | 13,000 | <0.9 | -- |
| | 10/27/2005 | <0.2 | 6.8 | 140 | 37 | <1.0 | -- |
| | 2/28/2006 | <20 | 290 | 19,000 | 1,500 | <1.0 | -- |
| | 6/20/2006 | <4.0 | 130 | 4,000 | 730 | <1.0 | -- |
| | 9/13/2006 | <20 | 550 | 25,000 | 2,800 | <1.0 | -- |
| | 11/8/2006 | <20 | 410 | 22,000 | 2,000 | 9.0 | -- |
| | 2/8/2007 | <500 | 2,100 | 98,000 | 10,000 | <1.0 | -- |
| | 6/27/2007 | <100 | 1,700 | 98,000 | 8,200 | <1.0 | -- |
| | 9/12/2007 | <100 | 1,100 | 67,000 | 5,200 | 1.4 | -- |
| | 12/4/2007 | <200 | 820 | 4,400 | 4,200 | <1.1 | -- |
| MW19-5 (abandoned) (cont.) | 2/20/2008 | <1.0 | 7.5 | 190 | 45 | <1.0 | -- |
| | 2/20/2008 D | <1.0 | 5.7 | 200 | 34 | <1.0 | -- |
| | 5/7/2008 | 7.2 | 270 | 15,000 | 1,300 | <1.0 | -- |
| | 7/22/2008 | <1.0 | 2,300 | 95,000 | 12,000 | <1.0 | -- |
| | 10/29/2008 | <1.0 | 11 | 450 | 68 | <1.0 | -- |
| | 1/14/2009 | <5.0 | 64 | 3,800 | 360 | <1.0 | -- |
| | 4/8/2009 | <23 | 490 | 46,000 | 2,800 | <1.0 | -- |
| | 4/8/2009 D | <45 | 610 | 38,000 | 3,200 | <1.0 | -- |
| | 7/22/2009 | <45 | 1,200 | 68,000 | 6,600 | <1.0 | -- |
| MW19-5R | 12/8/2010 | 19 | 2,700 | 80,000 | 15,000 | 1.4 | -- |
| | 3/16/2011 | 20 | 2,100 | 92,000 | 11,000 | <0.95 | <1.0 |
| | 5/25/2011 | 5.4 | 2,200 | 49,000 | 12,000 | 1.2 | -- |
| | 8/16/2011 | 8.8 | 2,600 | 55,000 | 13,000 | 1.4 | -- |
| | 8/16/2011 D | 10 | 2,600 | 52,000 | 13,000 | 1.1 | -- |
| | 11/9/2011 | 5.4 | 3,900 | 51,000 | 22,000 | 0.95 | -- |
| | 11/9/2011 D | 7.0 | 3,500 | 46,000 | 15,000 | 120 | -- |
| | 2/22/2012 | 14 | 2,800 | 51,000 | 15,000 | <0.95 | -- |
| | 2/22/2012 D | 12 | 2,700 | 54,000 | 13,000 | 1.1 | -- |
| | 5/16/2012 (5) | 7.6 | 1,000 | 22,000 | 4,800 | 5.8 | -- |
| | 5/16/2012 D | 7.1 | 1,000 | 23,000 | 4,700 | 1.6 | -- |
| | 8/9/2012 | 13 | 2,800 | 63,000 | 15,000 | 1.2 | -- |
| | 8/9/2012 D | 13 | 2,800 | 63,000 | 15,000 | 13 | -- |
| | 10/18/2012 | 11 | 2,200 | 51,000 | 13,000 | <5.0 | -- |
| | 10/18/2012 D | 11 | 2,300 | 52,000 | 13,000 | <5.1 | -- |
| | 2/14/2013 | 14 | 2,500 | 54,000 | 13,000 | <4.8 | -- |
| | 2/14/2013 D | 15 | 2,500 | 53,000 | 12,000 | <4.8 | -- |
| | 5/15/2013 | 12 | 1,600 | 44,000 | 8,400 | <1.0 | -- |

**LEGEND**

ug/L = micrograms per liter
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit
**Bold** concentrations are above reporting limits but below criteria.
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**TABLE 2**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) | 1,3-Butadiene |
|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW19-6 (abandoned) | 11/15/1999 | <62 | 94 | 3,400 | 500 | 32 | -- |
| | 8/1/2001 | <0.4 | 14 | 390 | 47 | 28 | -- |
| | 6/5/2002 | <0.22 | 1.7 | 13 | 4.1 | 2.3 | -- |
| | 11/18/2003 | <0.2 | <0.2 | 0.3 J | <0.6 | 6.0 J | -- |
| | 6/17/2004 | <0.2 | 0.4 J | 1.1 | 1.2 | 0.3 J | -- |
| | 8/10/2004 | <0.2 | 4.6 | 38 | 18 | 4.0 J | -- |
| | 1/13/2005 | <0.2 | 4.0 | 36 | 14 | 1.0 J | -- |
| | 4/9/2005 [L] | <0.2 | 16 | 160 | 64 | <1.0 | -- |
| | 4/9/2005 [U] | <0.2 | 11 | 74 | 37 | <1.0 | -- |
| | 7/26/2005 | <0.2 | 3.6 | 27 | 14 | 2.0 J | -- |
| | 10/27/2005 | <0.2 | 5.4 | 110 | 25 | <0.9 | -- |
| | 2/28/2006 | <0.2 | 5.8 | 65 | 23 | <1.0 | -- |
| | 6/20/2006 | <0.2 | 1.7 | 3.2 | 5.0 | <1.0 | -- |
| | 6/20/2006 [D] | <0.2 | 1.7 | 3.2 | 4.9 | <1.0 | -- |
| | 9/12/2006 | <0.2 | 0.3 J | 1.0 | 0.9 J | <1.0 | -- |
| | 11/7/2006 | <0.2 | 0.3 J | <0.2 | 0.6 J | <0.9 | -- |
| | 2/7/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 6/26/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 9/11/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 2/19/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 5/6/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 7/22/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 10/29/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 1/14/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 4/7/2009 | <0.9 | 1.0 J | 8.0 | 4.0 J | <1.0 | -- |
| | 7/21/2009 | <0.9 | <0.8 | 0.8 | <0.9 | <1.0 | -- |
| MW19-6R | 12/8/2010 | <0.5 | 7.1 | 100 | 63 | 8.1 | -- |
| | 3/14/2011 | <0.5 | 8.1 | 33 | 38 | 1.1 | <1.0 |
| | 5/25/2011 | <0.5 | 4.4 | 4.7 | 9.0 | 1.0 | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 11/9/2011 | <0.5 | 5.6 | 16 | 3.2 | <0.98 | -- |
| | 2/22/2012 | <0.5 | 3.5 | 1.3 | <1.5 | <0.96 | -- |
| | 5/16/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | 20 | -- |
| | 8/9/2012 | 0.71 | 1.6 | <0.50 | <1.5 | 1.9 | -- |
| | 10/17/2012 | <0.50 | <0.50 | <0.50 | <1.5 | 5.5 | -- |
| | 2/12/2013 | <0.50 | 0.89 | 12 | 6.5 | <1.0 | -- |
| | 5/14/2013 | <0.50 | 1.3 | 3.2 | 5.3 | <1.0 | -- |

**LEGEND**

ug/L = micrograms per liter
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PQL: Practical Quantitation Limit
**Bold** concentrations are above reporting limits but below criteria.
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**TABLE 2**
Dayco Corporation / L.E. Carpenter Superfund Site
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Groundwater Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) | 1,3-Butadiene |
|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW19-7 (abandoned) | 11/15/1999 | <16 | 100 | 51 | 1,400 | <4.1 | -- |
| | 8/1/2001 | 6.7 | 6.6 | 13 | 680 | <0.4 | -- |
| | 3/7/2002 | 3.0 | <1.3 | <1.3 | 250 | 1.6 | -- |
| | 6/5/2002 | 0.48 | 1.6 | 27 | 27 | <0.4 | -- |
| | 11/19/2003 | 4.7 | 0.4 J | 0.3 J | 460 | 1.0 J | -- |
| | 6/16/2004 | 2.8 J | 130 | 2,100 | 630 | <1.0 | -- |
| | 6/16/2004 [D] | 4.0 J | 130 | 2,100 | 610 | <1.0 | -- |
| | 8/10/2004 | 2.0 | 1.6 | 1.3 | 20 | <1.0 | -- |
| | 1/12/2005 | 6.1 | 90 | 240 | 760 | <1.0 | -- |
| | 1/12/2005 [D] | 2.9 | 45 | 120 | 380 | <1.0 | -- |
| | 4/7/2005 [L] | 9.5 J | 210 | 2,700 | 1,400 | <1.0 | -- |
| | 4/7/2005 [U] | 13 J | 370 | 5,600 | 2,300 | <1.0 | -- |
| | 7/27/2005 [L] | 2.2 | <0.2 | 0.2 J | 1.7 J | <0.9 | -- |
| | 7/27/2005 [U] | 1.5 | <0.2 | 0.5 J | 2.4 J | <1.0 | -- |
| | 10/27/2005 | 62 J | 710 | 16,000 | 3,600 | <1.0 | -- |
| | 2/28/2006 | 7.5 | 4.9 | 0.3 J | 870 | <1.0 | -- |
| | 2/28/2006 [D] | 7.5 | 5.0 | 0.3 J | 840 | <0.9 | -- |
| | 6/20/2006 | 6.5 | 19 | 0.6 J | 550 | <1.0 | -- |
| | 9/12/2006 | 4.9 | 33 | 0.3 J | 440 | <1.0 | -- |
| | 11/8/2006 | 2.6 | <0.2 | <0.2 | 26 | <0.9 | -- |
| | 2/7/2007 | 2.6 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 2/7/2007 [D] | 2.6 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 6/27/2007 | <1.0 | <1.0 | <5.0 | 23 | <1.0 | -- |
| | 9/11/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 12/5/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 | -- |
| | 2/19/2008 | <1.0 | 7.3 | 55 | 36 | <1.0 | -- |
| | 5/7/2008 | <1.0 | <1.0 | <5.0 | 5.6 | <1.0 | -- |
| | 7/22/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 10/28/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 10/28/2008 [D] | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 1/14/2009 | <0.9 | 3.0 J | 3.0 J | 32 | <1.0 | -- |
| | 4/7/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 7/21/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| MW19-7R | 12/8/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 3/14/2011 | 11 | 1,400 | 33,000 | 6,200 | <1.0 | <1.0 |
| | 5/25/2011 | 4.2 | 330 | 9,700 | 1,500 | <1.04 | -- |
| | 5/25/2011 [D] | 4.1 | 520 | 10,000 | 2,100 | 35 | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | 3.1 | -- |
| | 11/9/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 2/22/2012 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 5/16/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | -- |
| | 8/9/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 10/17/2012 | <0.50 | <0.50 | <0.50 | <1.5 | 11 | -- |
| | 2/12/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 5/15/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |

**LEGEND**

ug/L = micrograms per liter
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| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) | 1,3-Butadiene |
|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW19-8 (Ross Street Well) | 11/15/1999 | <0.31 | <0.38 | <0.34 | <0.4 | <4.1 | -- |
| | 8/1/2001 | **0.5** | <0.2 | <0.2 | <0.2 | <0.4 | -- |
| | 6/5/2002 | <0.22 | <0.18 | <0.24 | <0.2 | <0.4 | -- |
| | 11/19/2003 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 | -- |
| | 6/17/2004 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 8/11/2004 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 1/12/2005 | <0.2 | **0.3 J** | <0.2 | <0.6 | <1.0 | -- |
| | 4/11/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 7/27/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 10/27/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | <1.0 |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | <1.0 |
| | 2/21/2012 | <0.5 | <0.5 | **6.0** | **1.8** | <0.96 | <1.0 |
| | 5/15/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | <1.0 |
| | 8/9/2012 | NM | NM | NM | NM | NM | -- |
| | 10/18/2012 | NM | NM | NM | NM | NM | -- |
| | 2/10/2013 | NM | NM | NM | NM | NM | -- |
| | 5/15/2013 | NM | NM | NM | NM | NM | -- |
| MW19-12 (Ross Street Well) | 6/21/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 9/12/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 11/7/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 11/7/2006 [D] | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 | -- |
| | 2/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 6/26/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 6/26/2007 [D] | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 9/11/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 2/19/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 5/6/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 | -- |
| | 7/22/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 10/28/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 1/13/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 4/7/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 | -- |
| | 7/21/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 | -- |
| | 2/15/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 4/20/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.98 | -- |
| | 8/24/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 5/24/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 2/21/2012 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | <1.0 |
| | 5/15/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | <1.0 |
| | 8/8/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 10/17/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.6** | -- |
| | 2/12/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **1.0** | -- |
| | 5/14/2013 | <0.50 | **0.61** | <0.50 | **3.0** | <1.0 | -- |

**LEGEND**

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|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW19-13 | 12/7/2010 | **6.3** | **42** | **1.0** | **400** | <0.95 | -- |
| | 3/14/2011 | **2.6** | **71** | **260** | **330** | <0.95 | <1.0 |
| | 5/25/2011 | **4.7** | <0.5 | <0.5 | **49** | **3.5** | -- |
| | 8/16/2011 | **1.8** | **7.8** | **0.64** | **57** | <0.95 | -- |
| | 11/8/2011 | **1.0** | <0.5 | <0.5 | <1.5 | <0.98 | -- |
| | 2/22/2012 | **1.8** | <0.5 | **0.89** | <1.5 | <0.98 | -- |
| | 5/16/2012 [5] | **2.3** | **0.62** | <0.5 | **180** | **2.8** | -- |
| | 8/9/2012 | **3.6** | **16** | **0.5** | **83** | **1.4** | -- |
| | 10/18/2012 | **1.4** | <0.50 | <0.50 | <1.5 | **1.0** | -- |
| | 2/12/2013 | **2.8** | **46** | <0.50 | **160** | <1.0 | -- |
| | 5/15/2013 | **1.8** | **6.8** | <0.50 | **150** | <1.0 | -- |
| MW19-14 | 12/8/2010 | **0.65** | **110** | **1,800** | **510** | <0.98 | -- |
| | 12/8/2010 [D] | <0.5 | **120** | **2,100** | **580** | <1.0 | -- |
| | 3/16/2011 | <0.5 | <0.5 | **1.4** | <1.5 | <0.99 | <1.0 |
| | 3/16/2011 [D] | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 5/24/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 8/16/2011 | **0.56** | **190** | **2,400** | **860** | <0.95 | -- |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 2/21/2012 | <0.5 | **0.87** | **6.6** | **3.9** | <0.95 | -- |
| | 5/15/2012 [5] | <0.5 | <0.5 | **0.9** | <1.5 | **2.2** | -- |
| | 8/9/2012 | <0.50 | **6.9** | <0.50 | **14** | **1.2** | -- |
| | 10/18/2012 | <0.50 | **10** | <0.50 | <1.5 | <1.0 | -- |
| | 2/12/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 5/14/2013 | <0.50 | **0.56** | **0.94** | **2.7** | <1.0 | -- |
| MW19-15 | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.99 | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 5/24/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 2/21/2012 | <0.5 | <0.5 | <0.5 | <1.5 | **1.6** | -- |
| | 5/15/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | -- |
| | 8/8/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 10/18/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.1 | -- |
| | 2/12/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 5/15/2013 | <0.50 | <0.50 | <0.50 | **1.6** | <1.0 | -- |
| MW19-16 | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 5/24/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 2/21/2012 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 5/15/2012 | <0.5 | <0.5 | <0.5 | <1.5 | **2.7** | -- |
| | 8/9/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **3.0** | -- |
| | 10/18/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 2/12/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 5/15/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| MW19-17 (Ross Street Well) | 12/8/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 5/24/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.98 | <1.0 |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 2/21/2012 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 5/15/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | <1.0 |
| | 8/8/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.3** | -- |
| | 10/17/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 2/14/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 5/14/2013 | <0.50 | <0.50 | <0.50 | **1.8** | <1.0 | -- |

**LEGEND**

ug/L = micrograms per liter
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit
**Bold** concentrations are above reporting limits but below criteria.
**Concentration exceeds NJGWQS**

FS= Well frozen.
NS = Not Sampled
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D = Duplicate sample
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**TABLE 2**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) | 1,3-Butadiene |
|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW19-17 (cont.) (Ross Street Well) | 5/15/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | <1.0 |
| | 8/8/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.3** | -- |
| | 10/17/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 2/14/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 5/14/2013 | <0.50 | <0.50 | <0.50 | **1.8** | <1.0 | -- |
| MW-8 | 7/23/2008 | <1.0 | <1.0 | <5.0 | **15** | <1.0 | -- |
| | 10/29/2008 | <0.2 | <0.2 | <0.2 | <0.6 | **2.0 J** | -- |
| | 1/14/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **8.0** | -- |
| | 4/8/2009 [3] | <0.9 | <0.8 | <0.8 | <0.9 | **3.0 J** | -- |
| | 7/21/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **2.0 J** | -- |
| | 11/11/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **3.0 J** | -- |
| | 2/15/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **3.9** | -- |
| | 4/20/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **16** | -- |
| | 8/24/2010 | <0.5 | <0.5 | <0.5 | **4.2** | **4.8** | -- |
| | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **1.7** | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **3.5** | -- |
| | 5/24/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **43** | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **1.9** | -- |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **5.8** | -- |
| | 2/21/2012 | <0.5 | <0.5 | <0.5 | <1.5 | **4.1** | -- |
| | 5/16/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | **6.1** | -- |
| | 8/7/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **2.1** | -- |
| | 10/16/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **31** | -- |
| | 2/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **24** | -- |
| | 5/16/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **9.1** | -- |
| MW-25R | 6/21/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 6/21/2006 [D] | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 9/13/2006 | <0.2 | <0.2 | **0.5 J** | <0.6 | **1.0 J** | -- |
| | 11/7/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 2/8/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 6/26/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 6/26/2007 [D] | <1.0 | <1.0 | <5.0 | <3.0 | **1.6** | -- |
| | 9/11/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 12/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.3 | -- |
| | 2/19/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 5/6/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.3 | -- |
| | 7/22/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 10/29/2008 | <0.2 | <0.2 | **0.3 J** | <0.6 | <1.0 | -- |
| | 1/15/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 | -- |
| | 4/7/2009 [3] | <0.9 | <0.8 | <0.8 | <0.9 | **1.0 J** | -- |
| | 7/22/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 | -- |
| | 11/11/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **1.0 J** | -- |
| | 2/15/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 4/20/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.98 | -- |
| | 8/25/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.99 | -- |
| | 12/9/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 5/24/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **44** | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **1.8** | -- |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 2/22/2012 | <0.5 | <0.5 | <0.5 | <1.5 | **1.3** | -- |
| | 5/15/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | **16** | -- |
| | 8/7/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.5** | -- |
| | 10/15/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 2/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **1.4** | -- |
| | 5/15/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |

**LEGEND**

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PQL: Practical Quantitation Limit
**Bold** concentrations are above reporting limits but below criteria.
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|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW-27S | 6/22/2006 | **0.6 J** | **3.7** | **3.9** | **14** | **3.0 J** | -- |
| | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **2.0 J** | -- |
| | 11/7/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **1.0 J** | -- |
| | 2/7/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 6/26/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 9/11/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **1.2** | -- |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.4 | -- |
| | 2/19/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 | -- |
| | 5/7/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 | -- |
| | 7/23/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 10/30/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 | -- |
| | 1/14/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 4/8/2009 | <0.9 | <0.8 | <0.8 | **1.0 J** | <1.0 | -- |
| | 7/21/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 | -- |
| | 2/14/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.98 | -- |
| | 4/20/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | -- |
| | 8/24/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.99 | -- |
| | 12/8/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.98 | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | <1.0 |
| | 5/25/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **24** | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **2.4** | -- |
| | 11/8/2011 | <0.5 | **6.7** | <0.5 | **23** | **4.3** | -- |
| | 12/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.98 | -- |
| | 2/23/2012 | <0.5 | <0.5 | <0.5 | <1.5 | **14** | -- |
| | 5/17/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | **8.1** | -- |
| | 8/9/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.0** | -- |
| | 10/17/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **2.9** | -- |
| | 2/11/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.1 | -- |
| | 5/14/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **1.5** | -- |
| MW-28S | 6/21/2006 | **1.6 J** | **560** | <1.0 | **1,400** | **100** | -- |
| | 9/13/2006 | **0.2 J** | **210** | <0.2 | **450** | **570** | -- |
| | 9/13/2006 D | **0.3 J** | **220** | <0.2 | **470** | **550** | -- |
| | 11/7/2006 | <0.2 | **92** | <0.2 | **180** | **250** | -- |
| | 2/7/2007 | <1.0 | **70** | <5.0 | **150** | **260** | -- |
| | 2/7/2007 D | <1.0 | **58** | <5.0 | **130** | **250** | -- |
| | 6/27/2007 | <1.0 | **30** | <5.0 | **56** | **28** | -- |
| | 9/12/2007 | <1.0 | **17** | <5.0 | **42** | **49** | -- |
| | 12/6/2007 | <1.0 | **32** | <5.0 | **96** | **14** | -- |
| | 2/20/2008 | <1.0 | **14** | <5.0 | **36** | **39** | -- |
| | 5/7/2008 | <1.0 | **2.7** | <5.0 | **6.6** | **160** | -- |
| | 7/23/2008 | <1.0 | **37** | <5.0 | **93** | **420** | -- |
| | 7/23/2008 D | <1.0 | **41** | <5.0 | **100** | **290** | -- |
| | 10/29/2008 | <0.2 | **4.3** | <0.2 | **15** | **300** | -- |
| | 1/15/2009 | <0.9 | **17** | <0.8 | **64** | **140** | -- |
| | 4/8/2009 | <0.9 | **39** | <0.8 | **100** | **200** | -- |

**LEGEND**

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|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW-28S (cont.) | 7/22/2009 | <0.9 | **18** | <0.8 | **53** | **180** | -- |
| | 11/12/2009 | <0.9 | **10** | <0.8 | **67** | **130** | -- |
| | 2/16/2010 | <0.5 | **8.9** | <0.5 | **27** | **65** | -- |
| | 2/16/2010 D | <0.5 | **8.8** | <0.5 | **27** | **100** | -- |
| | 4/21/2010 | <0.5 | **22** | <0.5 | **71** | **240** | -- |
| | 8/25/2010 | <0.5 | **5.7** | <0.5 | **12** | **39** | -- |
| | 8/25/2010 D | <0.5 | <0.5 | <0.5 | <1.5 | **29** | -- |
| | 12/8/2010 | **0.62** | **18** | <0.5 | **50** | **92** | -- |
| | 3/15/2011 | <0.5 | <0.5 | <0.5 | **6.8** | **51** | -- |
| | 3/15/2011 D | <0.5 | <0.5 | <0.5 | **5.8** | **52** | -- |
| | 5/25/2011 | <0.5 | **9.1** | <0.5 | **8.9** | **170** | -- |
| | 8/16/2011 | <0.5 | **1.4** | **0.82** | **2.7** | **650** | -- |
| | 11/9/2011 | <0.5 | **23** | <0.5 | **66** | **63** | -- |
| | 11/9/2011 D | <0.5 | **18** | <0.5 | **61** | **74** | -- |
| | 2/22/2012 | <0.5 | **39** | **1.3** | **150** | **440** | -- |
| | 5/16/2012 (5) | <0.5 | **33** | <0.5 | **140** | **88** | -- |
| | 8/8/2012 | <0.50 | **7.4** | <0.50 | **20** | **740** | -- |
| | 10/16/2012 | <0.50 | **5.5** | <0.50 | **11** | **46** | -- |
| | 2/13/2013 | <0.50 | **35** | <0.50 | **130** | **94** | -- |
| | 5/16/2013 | <0.50 | **21** | <0.50 | **76** | **120** | -- |
| MW-28I | 6/22/2006 | <1.0 | **480** | <1.0 | **1,300** | **270** | -- |
| | 9/13/2006 | <0.2 | **72** | **0.6 J** | **520** | **180** | -- |
| | 11/7/2006 | <0.2 | **10** | <0.2 | **14** | **90** | -- |
| | 2/7/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **76** | -- |
| | 6/27/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **3.9** | -- |
| | 9/12/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **21** | -- |
| | 12/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **1.4** | -- |
| | 2/20/2008 | <1.0 | <1.0 | <5.0 | <3.0 | **31** | -- |
| | 5/7/2008 | <1.0 | <1.0 | <5.0 | <3.0 | **28** | -- |
| | 7/23/2008 | <1.0 | <1.0 | <5.0 | <3.0 | **49** | -- |
| | 10/29/2008 | <0.2 | <0.2 | <0.2 | <0.6 | **110** | -- |
| | 1/15/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **61** | -- |
| | 1/15/2009 D | <0.9 | <0.8 | <0.8 | <0.9 | **41** | -- |
| | 4/8/2009 (3) | <0.9 | <0.8 | <0.8 | <0.9 | **240** | -- |
| | 7/22/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **19** | -- |
| | 11/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **15** | -- |
| | 11/12/2009 D | <0.9 | <0.8 | <0.8 | <0.9 | **11** | -- |
| | 2/16/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **12** | -- |
| | 4/21/2010 | <0.5 | **2.7** | <0.5 | **9.4** | **26** | -- |
| | 8/25/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **11** | -- |
| | 12/8/2010 | **0.82** | <0.5 | <0.5 | <1.5 | **25** | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **28** | -- |
| | 5/25/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **83** | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **95** | -- |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **8.3** | -- |
| | 2/22/2012 | <0.5 | <0.5 | <0.5 | <1.5 | **66** | -- |
| | 5/16/2012 (5) | <0.5 | <0.5 | <0.5 | <1.5 | **50** | -- |
| | 8/8/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **27** | -- |
| | 10/16/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **24** | -- |
| | 2/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **29** | -- |
| | 5/16/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **8.3** | -- |

**LEGEND**

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| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW-29S | 6/22/2006 | <0.2 | **0.2 J** | <0.2 | **0.6 J** | **1.0 J** | -- |
| | 9/14/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **1.0 J** | -- |
| | 11/9/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **31** | -- |
| | 2/7/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 6/27/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 9/11/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 12/5/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 | -- |
| | 2/19/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 2/19/2008 [D] | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 5/7/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 | -- |
| | 7/22/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 10/29/2008 | <0.2 | <0.2 | **0.3 J** | <0.6 | <1.0 | -- |
| | 10/29/2008 [D] | <0.2 | <0.2 | **0.2 J** | <0.6 | <0.9 | -- |
| | 1/15/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 4/7/2009 [3] | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 7/21/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 11/11/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 2/15/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 4/20/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | -- |
| | 8/24/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.98 | -- |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 5/24/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **45** | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **2.9** | -- |
| | 2/21/2012 | <0.5 | <0.5 | <0.5 | <1.5 | **4.3** | -- |
| | 5/16/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | **9.6** | -- |
| | 8/7/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **4.9** | -- |
| | 10/17/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.9** | -- |
| | 2/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **1.0** | -- |
| | 5/16/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |

**LEGEND**

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MDL: Method Detection Limit
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**Bold** concentrations are above reporting limits but below criteria.
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| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) | 1,3-Butadiene |
|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW-30S (abandoned) | 6/21/2006 | <1.0 | **1,200** | **1.3 J** | **3,900** | **740** | -- |
| | 9/13/2006 | <4.0 | **1,200** | **46** | **5,100** | **19,000** | -- |
| | 11/9/2006 | <1.0 | **540** | <1.0 | **2,600** | **2,500** | -- |
| | 2/7/2007 | FS | FS | FS | FS | FS | -- |
| | 6/26/2007 | **2.1** | **300** | <25 | **1,200** | **13,000** | -- |
| | 9/12/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **880** | -- |
| | 9/12/2007 D | <1.0 | <1.0 | <5.0 | <3.0 | **1,700** | -- |
| | 12/6/2007 | **1.5** | **34** | **110** | **260** | **200** | -- |
| | 2/20/2008 | <5.0 | **110** | <25 | **480** | **3,800** | -- |
| | 5/8/2008 | <1.0 | **100** | <5.0 | **460** | **9.6** | -- |
| | 7/22/2008 | <1.0 | **14** | <5.0 | **86** | **80** | -- |
| | 10/29/2008 | <0.2 | **80** | **0.2 J** | **290** | **180** | -- |
| | 1/15/2009 | FS | FS | FS | FS | FS | -- |
| | 4/8/2009 | <0.9 | **74** | <0.8 | **340** | **1,100** | -- |
| | 7/22/2009 | <0.9 | **8.0** | <0.8 | **34** | **550** | -- |
| | 11/11/2009 | <0.9 | **63** | <0.8 | **140** | **350** | -- |
| | 2/15/2010 | FS | FS | FS | FS | FS | -- |
| | 4/21/2010 | <0.5 | **5.4** | <0.5 | **15** | **480** | -- |
| | 4/21/2010 D | <0.5 | **6.0** | <0.5 | **22** | **460** | -- |
| | 8/24/2010 | <0.5 | **12** | <0.5 | **19** | **140** | -- |
| | 12/8/2010 | <0.5 | **16** | <0.5 | **38** | **180** | -- |
| | 12/8/2010 D | <0.5 | **15** | <0.5 | **37** | **250** | -- |
| | 3/16/2011 | <0.5 | **10** | <0.5 | **39** | **390** | -- |
| | 5/24/2011 | <0.5 | **17** | <0.5 | **26** | **910** | -- |
| | 8/16/2011 | <0.5 | **2.1** | <0.5 | <1.5 | **940** | -- |
| | 8/16/2011 D | <0.5 | **2.8** | <0.5 | <1.5 | **1,100** | -- |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **150** | -- |
| MW-30S(R) | 2/22/2012 | <0.5 | <0.5 | **0.83** | <1.5 | **27** | -- |
| | 5/16/2012 (5) | <0.5 | **11** | <0.5 | **35** | **41** | -- |
| | 5/16/2012 D | <0.5 | **10** | <0.5 | **36** | **34** | -- |
| | 8/8/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **7.6** | -- |
| | 8/8/2012 D | <0.50 | <0.50 | <0.50 | <1.5 | **18** | -- |
| | 10/17/2012 | <0.50 | **140** | <0.50 | **430** | **61** | -- |
| | 2/13/2013 | NS | NS | NS | NS | NS | -- |
| | 5/16/2013 | <0.50 | **8.6** | <0.50 | **18** | **17** | -- |

**LEGEND**

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| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) | 1,3-Butadiene |
|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW-30I | 6/21/2006 | **0.3 J** | **38** | **1.4** | **170** | **2.0 J** | -- |
| | 9/13/2006 | <0.2 | **1.5** | <0.2 | **4.9** | **19** | -- |
| | 11/8/2006 | <0.2 | **0.2 J** | <0.2 | <0.6 | **1.0 J** | -- |
| | 11/8/2006 D | <0.2 | **0.2 J** | <0.2 | <0.6 | <1.0 | -- |
| | 2/7/2007 | FS | FS | FS | FS | FS | -- |
| | 6/26/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 9/12/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **1.3** | -- |
| | 12/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 | -- |
| | 2/19/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 5/7/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 5/7/2008 D | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 | -- |
| | 7/22/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 10/29/2008 | <0.2 | <0.2 | <0.2 | <0.6 | **2.0 J** | -- |
| | 1/15/2009 | FS | FS | FS | FS | FS | -- |
| | 4/8/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **3.0 J** | -- |
| | 7/23/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **2.0 J** | -- |
| | 7/23/2009 D | <0.9 | <0.8 | <0.8 | <0.9 | **3.0 J** | -- |
| | 11/11/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **1.0 J** | -- |
| | 2/15/2010 | FS | FS | FS | FS | FS | -- |
| | 4/21/2010 | <0.5 | **1.9** | <0.5 | **2.0** | **1.7** | -- |
| | 8/24/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **1.7** | -- |
| | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 | -- |
| | 3/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **2.0** | -- |
| | 5/25/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **39** | -- |
| | 5/25/2011 D | <0.5 | <0.5 | <0.5 | <1.5 | **15** | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **1.5** | -- |
| | 11/8/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 2/22/2012 | <0.5 | <0.5 | <0.5 | <1.5 | **4.4** | -- |
| | 2/22/2012 D | <0.5 | <0.5 | <0.5 | <1.5 | **2.1** | -- |
| | 5/17/2012 (5) | <0.5 | <0.5 | <0.5 | <1.5 | **1.5** | -- |
| | 8/8/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **21** | -- |
| | 10/17/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.1** | -- |
| | 10/17/2012 D | <0.50 | <0.50 | <0.50 | <1.5 | **1.1** | -- |
| | 2/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **1.3** | -- |
| | 2/13/2013 D | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 5/16/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.1 | -- |

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| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW-30D | 6/21/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **3.0 J** | -- |
| | 9/14/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **9.0 J** | -- |
| | 11/8/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 | -- |
| | 2/7/2007 | FS | FS | FS | FS | FS | -- |
| | 6/26/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 9/12/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 | -- |
| | 12/4/2007 [D] | <1.0 | <1.0 | **7.7** | <3.0 | <1.1 | -- |
| | 2/19/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 5/7/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 7/22/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 | -- |
| | 10/29/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 | -- |
| | 1/15/2009 | FS | FS | FS | FS | FS | -- |
| | 4/8/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 | -- |
| | 7/21/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 | -- |
| | 11/11/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 | -- |
| | 2/15/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.99 | -- |
| | 4/21/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 8/24/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | -- |
| | 3/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 | -- |
| | 5/25/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **6.0** | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.99 | -- |
| | 11/9/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **6.3** | -- |
| | 2/22/2012 | <0.5 | <0.5 | <0.5 | <1.5 | <1.0 | -- |
| | 5/17/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | **1.2** | -- |
| | 8/8/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| | 10/16/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **2.5** | -- |
| | 2/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.1 | -- |
| | 5/16/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 | -- |
| MW-31S | 5/8/2008 | **<500** | **5,500** | **<2,500** | **27,000** | **310** | -- |
| | 7/23/2008 | **<20** | **9,000** | <100 | **49,000** | **16,000** | -- |
| | 10/30/2008 | **<10** | **7,900** | <10 | **40,000** | **760** | -- |
| | 1/14/2009 | <0.9 | **4,400** | **46 J** | **25,000** | **3,100** | -- |
| | 4/9/2009 | **<9** | **2,300** | <8 | **9,600** | **690** | -- |
| | 7/23/2009 | **5.0 J** | **4,500** | **10 J** | **22,000** | **23,000** | -- |
| | 11/12/2009 | **<5.0** | **1,300** | **5.0 J** | **7,400** | **340** | -- |
| | 2/16/2010 | **4.4** | **4,000** | **11** | **17,000** | **1,000** | -- |
| | 4/22/2010 | **7.6** | **8,700** | **16** | **40,000** | **190** | -- |
| | 8/25/2010 | **3.6** | **760** | **8.4** | **12,000** | **440** | -- |
| | 12/9/2010 | **1.0** | **730** | **2.4** | **4,100** | **1,100** | -- |
| | 3/17/2011 | **4.3** | **4,700** | **14** | **21,000** | **330** | -- |
| | 5/26/2011 | **3.2** | **3,900** | **12** | **19,000** | **19,000** | -- |
| | 8/16/2011 | **2.3** | **2,600** | **9.9** | **13,000** | **1,700** | -- |
| | 11/9/2011 | **3.6** | **4,100** | **12** | **19,000** | **39,000** | -- |
| | 2/23/2012 | **6.0** | **6,500** | **15** | **25,000** | **2,000** | -- |
| | 5/15/2012 [5] | **1.4** | **5,800** | <0.5 | **30,000** | **7,600** | -- |
| | 8/7/2012 | **3.8** | **4,800** | **10** | **25,000** | **3,100** | -- |
| | 10/16/2012 | <0.50 | **550** | **0.86** | **3,100** | **2,300** | -- |
| | 2/11/2013 | **2.3** | **2,900** | **5.9** | **14,000** | **4,500** | -- |
| | 5/14/2013 | **1.7** | **3,400** | **5.9** | **18,000** | **590** | -- |

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|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW-32S | 5/8/2008 | **<200** | **16,000** | **<1,000** | **75,000** | **370,000** | -- |
| | 7/23/2008 | **<50** | **8,600** | <250 | **43,000** | **7,900** | -- |
| | 10/30/2008 | **1.1 J** | **1,200** | **1.7 J** | **6,900** | **4,600** | -- |
| | 1/15/2009 | **<45** | **8,900** | <40 | **40,000** | **12,000** | -- |
| | 4/8/2009 | **<18** | **8,200** | <16 | **50,000** | **8,600** | -- |
| | 7/23/2009 | **<45** | **7,400** | <40 | **43,000** | **5,400** | -- |
| | 11/12/2009 | **<18** | **3,800** | <16 | **29,000** | **2,300** | -- |
| | 2/16/2010 | **7.7** | **7,400** | **10** | **36,000** | **130,000** | -- |
| | 4/22/2010 | **6.7** | **6,200** | **14** | **31,000** | **2,800** | -- |
| | 8/25/2010 | **6.9** | **4,500** | **4.5** | **20,000** | **6,100** | -- |
| | 12/9/2010 | **0.93** | **1,100** | **0.51** | **5,900** | **15,000** | -- |
| | 3/17/2011 | **3.3** | **3,600** | **0.55** | **11,000** | **2,000** | -- |
| | 5/25/2011 | **3.4** | **3,200** | **1.3** | **11,000** | **17,000** | -- |
| | 8/16/2011 | **2.1** | **1,600** | **0.78** | **4,600** | **4,200** | -- |
| | 11/9/2011 | **3.7** | **2,700** | **2.0** | **9,600** | **34,000** | -- |
| | 2/23/2012 | **3.2** | **1,800** | **1.7** | **6,600** | **6,000** | -- |
| | 5/15/2012 [5] | **2.3** | **6,600** | **8.9** | **39,000** | **1,400** | -- |
| | 8/7/2012 | **5.5** | **4,400** | **0.72** | **17,000** | **110,000** | -- |
| | 10/16/2012 | **0.62** | **700** | <0.50 | **1,600** | **7,500** | -- |
| | 2/11/2013 | **1.3** | **970** | <0.50 | **2,000** | **11,000** | -- |
| | 5/14/2013 | **1.6** | **140** | **1.9** | **5,200** | **1,800** | -- |
| MW-33S | 5/8/2008 | **4.0** | **6.6** | <5.0 | **27** | **16** | -- |
| | 7/23/2008 | **1.8** | <1.0 | <5.0 | **3.3** | **21** | -- |
| | 10/30/2008 | **0.4 J** | **0.6 J** | **0.3 J** | <3.0 | **5,500** | -- |
| | 1/15/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **3,400** | -- |
| | 4/9/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **1,100** | -- |
| | 7/23/2009 | <0.9 | <0.8 | <0.8 | **2.0 J** | **81,000** | -- |
| | 11/12/2009 | <0.9 | <0.8 | <0.8 | **2.0 J** | **790** | -- |
| | 2/16/2010 | <0.5 | **0.51** | <0.5 | **5.1** | **21,000** | -- |
| | 4/22/2010 | <0.5 | **1.5** | <0.5 | **10** | **910** | -- |
| | 8/25/2010 | <0.5 | <0.5 | <0.5 | **5.9** | **560** | -- |
| | 12/9/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **9,700** | -- |
| | 3/17/2011 | <0.5 | **2.5** | <0.5 | **14** | **280** | -- |
| | 5/26/2011 | <0.5 | **7.5** | <0.5 | **37** | **2,300** | -- |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **2,500** | -- |
| | 11/9/2011 | <0.5 | **51** | <0.5 | **310** | **1,800** | -- |
| | 2/23/2012 | <0.5 | **5.6** | <0.5 | **21** | **990** | -- |
| | 5/15/2012 [5] | <0.5 | <0.5 | <0.5 | <1.5 | **700** | -- |
| | 8/7/2012 | <0.50 | **0.9** | <0.50 | **7.2** | **1,700** | -- |
| | 10/16/2012 | <0.50 | <0.50 | **18** | <1.5 | **280** | -- |
| | 2/11/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **1,200** | -- |
| | 5/14/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **110** | -- |

**LEGEND**

ug/L = micrograms per liter
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit
**Bold** concentrations are above reporting limits but below criteria.
**Concentration exceeds NJGWQS**

FS= Well frozen.
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
D = Duplicate sample
L = Lower Grab Sample
U = Upper Grab Sample

**TABLE 2**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) | 1,3-Butadiene |
|---|---|---|---|---|---|---|---|
| | Units | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| | Solubility Limit[4] | 1,700,000 | 152,000 | 515,000 | 175,000 | 334 | -- |
| | Practical Quantitation Limit (PQL)[4] | 1 | 2 | 1 | 2 | 3 | -- |
| | NJGWQS Class IIA[4] | 0.2 | 700 | 600 | 1,000 | 2 | -- |
| | Higher of NJGWQS and PQL[4] | 1 | 700 | 600 | 1,000 | 3 | -- |
| MW-34S | 5/6/2008 | **1.3** | 230 | <5.0 | 1,200 | 3.0 | -- |
| | 7/23/2008 | **<20** | 470 | <100 | 2,300 | 1.6 | -- |
| | 10/30/2008 | <0.2 | 2.0 | <0.2 | 180 | 7.0 | -- |
| | 1/15/2009 | <9 | 2,700 | 16 J | 13,000 | 7.0 | -- |
| | 4/8/2009 | <9 | 3,600 | 18 J | 18,000 | 5.0 J | -- |
| | 7/23/2009 | <2.0 | 1,300 | 5.0 J | 6,700 | 9.0 | -- |
| | 11/12/2009 | <0.9 | 440 | <0.8 | 1,000 | 4.0 J | -- |
| | 2/16/2010 | **1.5** | 680 | 2.2 | 2,300 | 13 | -- |
| | 4/22/2010 | **5.6** | 3,400 | 44 | 14,000 | 8.1 | -- |
| | 8/25/2010 | **4.7** | 240 | 13 | 1,200 | 22 | -- |
| | 12/9/2010 | <0.5 | 4.3 | <0.5 | 6.2 | 8.0 | -- |
| | 3/17/2011 | <0.5 | 78 | <0.5 | 280 | 7.7 | -- |
| | 5/26/2011 | **0.68** | 380 | 2.0 | 1,100 | 72 | -- |
| | 8/16/2011 | <0.5 | 19 | <0.5 | 12 | 35 | -- |
| | 11/9/2011 | <0.5 | 67 | <0.5 | 70 | 470 | -- |
| | 2/23/2012 | <0.5 | 68 | <0.5 | 100 | 2.9 | -- |
| | 5/15/2012 [5] | <0.5 | 43 | <0.5 | 78 | 8.9 | -- |
| | 8/7/2012 | **2.4** | 1,000 | <0.50 | 2,500 | 29 | -- |
| | 10/16/2012 | <0.50 | 0.88 | <0.50 | 51 | 4.5 | -- |
| | 2/11/2013 | <0.50 | 3.6 | <0.50 | 7.5 | 32 | -- |
| | 5/14/2013 | <0.50 | 21 | <0.50 | 95 | 1.9 | -- |
| MW-35S | 5/6/2008 | **1.3** | 230 | <5.0 | 1,200 | 490 | -- |
| | 7/23/2008 | **16** | 12,000 | 260 | 67,000 | 530 | -- |
| | 10/30/2008 | **9.6 J** | 8,800 | 34 | 57,000 | 460 | -- |
| | 1/15/2009 | **<18** | 12,000 | 36 J | 88,000 | 3,500 | -- |
| | 4/8/2009 | **<18** | 13,000 | 40 J | 100,000 | 1,800 | -- |
| | 7/23/2009 | **<18** | 14,000 | 36 J | 92,000 | 20,000 | -- |
| | 11/12/2009 | **<45** | 8,900 | <40 | 69,000 | 3,000 | -- |
| | 2/16/2010 | **<10** | 9,800 | 30 | 59,000 | 660 | -- |
| | 4/22/2010 | **13** | 14,000 | 35 | 79,000 | 540 | -- |
| | 8/16/2011 | **2.1** | 1,600 | 0.78 | 4,600 | 4,200 | -- |
| | 12/9/2010 | **7.5** | 9,200 | 29 | 51,000 | 3,400 | -- |
| | 3/17/2011 | **5.8** | 16,000 | 30 | 83,000 | 570 | -- |
| | 5/26/2011 | **2.3** | 10,000 | 14 | 57,000 | 15,000 | -- |
| | 8/16/2011 | **3.5** | 9,700 | 17 | 54,000 | 3,000 | -- |
| | 11/9/2011 | **2.5** | 8,200 | 12 | 28,000 | 2,800 | -- |
| | 2/23/2012 | **2.2** | 8,800 | 9.2 | 51,000 | 970 | -- |
| | 5/15/2012 [5] | **86** | 8,500 | 580 | 46,000 | 220 | -- |
| | 8/7/2012 | **3.1** | 5,300 | 10 | 31,000 | 2,700 | -- |
| | 10/16/2012 | **2.9** | 5,000 | 11 | 31,000 | 1,000 | -- |
| | 2/11/2013 | **6.7** | 7,500 | 15 | 45,000 | 4,200 | -- |
| | 5/14/2013 | **5.5** | 81 | 14 | 500 | 300 | -- |

**LEGEND**

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**NOTES**

(1) Low flow sampling initiated 1st quarter 2002

(2) GEI series wells are piezometers installed by Weston

(3) Recovery of initial DEHP analysis was above QC limits in the LCS during 2Q09 at MW-29S. Sample was re-extracted and DEHP was again above the QC limits in the LCS/LCSD. However, DEHP was not detected in the re-analysis of the sample. The data reported here is from the re-analysis of the sample.

(4) New Jersey Department of Environmental Protection Ground Water Quality Standards (NJGWQS) from NJAC 7:9C GWQS last amended July 22, 2010.

(5) Reanalyzation for DEHP. DEHP was detected in a field blank during 2Q12, affecting samples for MW-19R, MW-19-5R, MW-19-6R, MW-19-13, MW-19-14, MW-19-16, MW-25(R), MW-27S, and MW-29S.

**TABLE 3**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Analytical Data

| | Analytical Parameters | Heterotrophic Plate Count | TSS | TDS | Nitrate Nitrogen | Ammonia Nitrogen | Phosphorus (total) | Sulfate[1] | Methane | Dissolved Lead |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW19R | 12/8/2010 | 7,200 | 22 | 880 | <0.04 | 0.13 | 0.086 | 70 | 280 | <0.0030 |
| | 3/14/2011 | 290 | <4 | 1,000 | 3.5 | 0.044 | <0.011 | 81 | <1 | <0.0030 |
| | 5/24/2011 | 31,000 | 6 | 1,200 | 1.5 | 0.06 | <0.011 | 83 | 36 | <0.0030 |
| | 8/16/2011 | 180 | 8 | 780 | 0.63 | 0.05 | <0.011 | 35 | 16 | 0.049 |
| | 11/9/2011 | 250 | <4 | 690 | 0.28 | 0.043 | <0.011 | 61 | 2.2 | <0.0030 |
| | 2/22/2012 | 38 | 11 | 720 | <0.22 | <0.010 | 0.084 | 82 | 1.7 | <0.0030 |
| | 5/16/2012 | 160 | 7 | 600 | 0.37 | 0.02 | 0.1 | 48 | 61 | <0.0030 |
| | 8/9/2012 | 26 | 6 | 800 | 0.24 | 0.032 | <0.054 | 45 | 460 | <0.0030 |
| | 10/18/2012 | 34 | 11 | 680 | <0.10 | 0.069 | 0.06 | 26 | 640 | <0.0030 |
| | 2/12/2013 | 92 | <4.0 | 710 | 0.35 | <0.010 | <0.050 | 75 | <1.0 | <0.0030 |
| | 5/15/2013 | 31 | 5 | 990 | 0.89 | <0.010 | 0.077 | 22 | 19 | <0.0030 |
| MW-19-5R | 12/8/2010 | 4,800 | 42 | 600 | <0.04 | 0.37 | 0.18 | 14 | 4,600 | <0.0030 |
| | 3/16/2011 | 1,100 | 9 | 630 | 0.7 | 0.32 | 0.071 | 82 | 5,000 | <0.0030 |
| | 5/25/2011 | 280 | 27 | 840 | 0.36 | 0.16 | 0.12 | 41,315 | 3,700 | <0.0030 |
| | 8/16/2011 | 2,100 | 36 | 770 | <0.04 | 0.37 | 0.25 | 15 | 5,700 | <0.0030 |
| | 8/16/2011 [D] | 3,600 | 34 | 780 | <0.04 | 0.44 | 0.23 | 18 | 6,300 | 0.0032 |
| | 11/9/2011 | 250 | <4 | 690 | <0.04 | 0.16 | 0.19 | 2.9 | 6,000 | <0.0030 |
| | 11/9/2011 [D] | 12 | 23 | 560 | <0.04 | 0.21 | 0.25 | 2.9 | 5,900 | <0.0030 |
| | 2/22/2012 | 3 | 36 | 580 | <0.22 | 0.16 | 0.28 | <2.5 | 2,000 | <0.0030 |
| | 5/16/2012 | 200 | 36 | 640 | <0.22 | 0.2 | 0.4 | 3.9 | 7,500 | <0.0030 |
| | 5/16/2012 [D] | 160 | 33 | 630 | <0.22 | 0.2 | 0.33 | 3.2 | 8,300 | <0.0030 |
| | 8/9/2012 | 1,200 | 37 | 560 | 0.24 | 0.2 | 0.27 | <2.5 | 6,900 | <0.0030 |
| | 8/9/2012 [D] | 56 | 39 | 590 | <0.22 | 0.21 | 0.26 | <2.5 | 8,100 | <0.0030 |
| | 10/18/2012 | 160 | 42 | 570 | <0.10 | 0.43 | 0.36 | <2.5 | 9,700 | <0.0030 |
| | 10/18/2012 [D] | 240 | 41 | 590 | <0.10 | 0.41 | 0.34 | <2.5 | 12,000 | <0.0030 |
| | 2/14/2013 | 680 | 49 | 530 | <0.10 | 0.41 | 0.25 | <2.5 | 11,000 | <0.0030 |
| | 2/14/2013 [D] | 1,000 | 46 | 520 | <0.10 | 0.36 | 0.23 | <2.5 | 7,400 | <0.0030 |
| | 5/15/2013 | 12 | 120 | 380 | <0.10 | 0.23 | 0.31 | <2.5 | 7,200 | <0.0030 |
| MW-19-6R | 12/8/2010 | 46,000 | 9 | 620 | 1.5 | 0.012 | <0.011 | 39 | 7.6 | <0.0030 |
| | 3/14/2011 | 260 | 8 | 1,200 | 0.69 | 0.028 | <0.011 | 38 | 60 | <0.0030 |
| | 5/25/2011 | 980 | 5 | 700 | 0.76 | 0.033 | <0.011 | 34 | 3.8 | <0.0030 |
| | 8/16/2011 | 450 | <4 | 740 | 1.3 | 0.018 | <0.011 | 38 | 32 | <0.0030 |
| | 11/9/2011 | 260 | 6 | 450 | 0.74 | 0.039 | 0.31 | 30 | 750 | <0.0030 |
| | 2/22/2012 | 150 | 9 | 320 | 0.67 | 0.04 | <0.050 | 34 | 2,900 | <0.0030 |
| | 5/16/2012 | 130 | <4.0 | 760 | 1.6 | <0.010 | 0.079 | 46 | 680 | <0.0030 |
| | 8/9/2012 | 260 | <4.0 | 760 | 1.3 | 0.043 | <0.054 | 33 | 3,100 | <0.0030 |
| | 10/17/2012 | 860 | 12 | 590 | 1.1 | 0.04 | <0.050 | 41 | 1,500 | <0.0030 |
| | 2/12/2013 | 400 | <4.0 | 810 | 1.8 | 0.036 | 0.07 | 27 | 2,200 | <0.0030 |
| | 5/14/2013 | 140 | 4 | 1,900 | 1.1 | 0.057 | 0.085 | 24 | 2,900 | <0.0030 |
| MW-19-7R | 12/8/2010 | 2,800 | 10 | 560 | 2.1 | 0.2 | 0.23 | 35 | 35 | <0.0030 |
| | 3/14/2011 | 43 | 10 | 1,300 | <0.04 | 0.28 | 0.26 | 16 | 3,300 | <0.0030 |
| | 5/25/2011 | 110 | 20 | 990 | 1.9 | 0.17 | 0.29 | 11 | 22 | <0.0030 |
| | 5/25/2011 [D] | 180 | 21 | 990 | 1.9 | 0.19 | 0.29 | 10 | 1 | <0.0030 |
| | 8/16/2011 | 150 | <4 | 670 | 3 | 0.14 | 0.31 | 36 | 1.1 | <0.0030 |
| | 11/9/2011 | 190 | 6 | 450 | 0.74 | 0.039 | 0.31 | 30 | 750 | <0.0030 |
| | 2/22/2012 | 18 | 7 | 740 | 0.31 | 0.09 | 0.18 | 14 | 170 | <0.0030 |
| | 5/16/2012 | 42 | 8 | 520 | 0.73 | 0.11 | 0.21 | 15 | 61 | <0.0030 |
| | 8/9/2012 | 220 | 5 | 380 | 0.32 | 0.068 | 0.18 | 10 | 190 | <0.0030 |
| | 10/17/2012 | 32 | 4 | 380 | 1.2 | 0.16 | 0.15 | 18 | 710 | <0.0030 |
| | 10/17/2012 | 32 | 4 | 380 | 1.2 | 0.16 | 0.15 | 18 | 710 | <0.0030 |
| | 2/12/2013 | 30 | 6 | 1,700 | 1.2 | 0.17 | 0.11 | 20 | 170 | <0.0030 |
| | 5/15/2013 | 8.5 | 7 | 820 | 0.84 | 0.093 | 0.14 | 17 | 150 | <0.0030 |

**LEGEND**

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CFU/mL = colony-forming unit per milliliter
NCS: No Criteria Specified by NJDEP
**Bold** concentrations are above reporting limits but below criteria.
**Concentration exceeds NJGWQS**

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Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Analytical Data

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|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| | NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW19-12 (Ross Street Well) | 6/21/2006 | 4,000 | 11.2 J | 548 | 0.048 J | <0.005 | <0.011 | 15.1 | 4.8 J | <0.0030 |
| | 9/12/2006 | 170 | 6.4 J | 822 | 0.36 | <0.005 | <0.011 | 22.9 | 170 | <0.0030 |
| | 11/7/2006 | 2 | 4.4 J | 716 | 0.22 | <0.005 | <0.011 | 21.3 | 130 | <0.0030 |
| | 11/7/2006 D | 2 | <4 | 718 | 0.17 | <0.005 | <0.011 | 21.8 | 130 | <0.0030 |
| | 2/6/2007 | 4 | 5.5 | 400 | 0.56 | 0.12 | <0.011 | 20 | <10 | <0.0030 |
| | 6/26/2007 | 55 | <4 | 240 | 0.93 | <0.005 | <0.011 | 13 | <10 | <0.0030 |
| | 6/26/2007 D | 8 | <4 | 270 | 0.93 | <0.005 | <0.011 | 13 | <10 | <0.0030 |
| | 9/11/2007 | 73 | <4 | 290 | 0.89 | <0.005 | <0.011 | 13 | <10 | <0.0030 |
| | 12/4/2007 | FS | 3 | 260 | 0.9 | <0.005 | <0.011 | 11 | <10 | <0.0030 |
| | 2/19/2008 | 9 | <4 | 160 | 0.84 | <0.005 | <0.011 | 5.7 | <10 | <0.0030 |
| | 5/6/2008 | <1 | 1.1 | 220 | 1 | <0.005 | <0.011 | 10 | <10 | <0.0030 |
| | 7/22/2008 | 2 | 1.7 | 220 | 0.72 | <0.005 | <0.011 | 8.1 | <10 | <0.0030 |
| | 10/28/2008 | 7 | <4 | 269 | 0.79 | <0.005 | <0.011 | 16.6 | <10 | <0.0030 |
| | 1/13/2009 | 4 | <4 | 170 | 1.1 | <0.005 | <0.011 | 18.3 | <10 | <0.0030 |
| | 4/7/2009 | 320 | 5.2 J | 334 | 0.94 | <0.005 | <0.011 | 18.5 | <5 | <0.0030 |
| | 7/21/2009 | 18 | <4 | 261 | 0.9 | 6.2 | <0.011 | 13.3 | <5 | <0.0030 |
| | 11/10/2009 | <1 | <4 | 263 | 0.81 | <0.005 | <0.011 | 15.3 | <5 | <0.0030 |
| | 12/7/2010 | <1 | <4 | 280 | 0.78 | <0.005 | 0.057 | 15 | <1 | <0.0030 |
| | 3/14/2011 | 4 | 14 | 280 | 1 | 0.028 | <0.011 | 11 | <1 | <0.0030 |
| | 5/24/2011 | 58 | <4 | 250 | 1.1 | 0.032 | <0.011 | 9.6 | <1 | <0.0030 |
| | 8/16/2011 | 28 | <4 | 400 | 1.2 | 0.013 | <0.011 | 16 | <1 | <0.0030 |
| | 11/8/2011 | 100 | <4 | 220 | 1.3 | 0.05 | <0.011 | 12 | 2.3 | <0.0030 |
| | 2/21/2012 | 3 | <4.0 | 230 | 1 | <0.010 | <0.050 | 11 | 1.4 | <0.0030 |
| | 5/15/2012 | 710 | <4.0 | 230 | 1.1 | 0.015 | 0.099 | 11 | <1.0 | <0.0030 |
| | 8/8/2012 | 96 | <4.0 | 190 | 0.95 | <0.010 | <0.054 | 9.9 | <1.0 | <0.0030 |
| | 10/17/2012 | 20 | <4.0 | 220 | 0.97 | <0.010 | <0.050 | 11 | <1.0 | <0.0030 |
| | 2/12/2013 | 3 | <4.0 | 190 | 0.99 | <0.010 | 0.079 | 13 | <1.0 | <0.0030 |
| | 5/14/2013 | 8 | 8 | 210 | 0.88 | <0.010 | 0.13 | 10 | 1.6 | <0.0030 |
| MW19-13 | 12/7/2010 | 5,600 | 110 | 560 | <0.04 | 0.33 | 0.19 | 26 | 9,600 | <0.0030 |
| | 3/14/2011 | 9,000 | 130 | 470 | 3.5 | 0.059 | 0.17 | 66 | 2,000 | <0.0030 |
| | 5/25/2011 | 500 | 79 | 460 | <0.04 | 0.17 | 0.13 | 44 | 4,300 | <0.0030 |
| | 8/16/2011 | 100 | 28 | 590 | 0.22 | 0.24 | 0.18 | 14 | 4,500 | 0.003 |
| | 11/8/2011 | 32 | 17 | 630 | <0.04 | 0.16 | 0.078 | 38 | 1,500 | <0.0030 |
| | 2/22/2012 | 35 | 36 | 470 | <0.22 | 0.17 | 0.16 | 24 | 3,300 | <0.0030 |
| | 5/16/2012 | 14 | 47 | 510 | 0.27 | 0.26 | 0.27 | 19 | 5,900 | <0.0030 |
| | 8/9/2012 | 6 | 53 | 470 | <0.22 | 0.31 | 0.23 | 13 | 7,400 | <0.0030 |
| | 10/18/2012 | 2.5 | 52 | 460 | <0.10 | 0.46 | 0.25 | 10 | 8,300 | <0.0030 |
| | 2/12/2013 | 16 | 49 | 390 | <0.10 | 0.29 | 0.26 | 17 | 4,300 | <0.0030 |
| | 5/15/2013 | 220 | 80 | 220 | <0.10 | 0.27 | 0.25 | 18 | 3,400 | <0.0030 |
| MW19-14 | 12/8/2010 | 31,000 | 24 | 870 | 0.32 | 0.16 | <0.011 | 65 | 95 | <0.0030 |
| | 12/8/2010 D | 27,000 | 24 | 970 | 0.36 | 0.014 | <0.011 | 67 | 37 | <0.0030 |
| | 3/16/2011 | 320 | <4 | 940 | 3.5 | 0.037 | <0.011 | 93 | <1 | <0.0030 |
| | 3/16/2011 D | 340 | <4 | 920 | 3.4 | 0.042 | <0.011 | 93 | <1 | <0.0030 |
| | 5/24/2011 | 660 | 9 | 1,200 | 2.1 | 0.053 | <0.011 | 120 | 9.9 | <0.0030 |
| | 8/16/2011 | 1,300 | 15 | 1,000 | 0.4 | 0.061 | 0.087 | 83 | 85 | <0.0030 |
| | 11/8/2011 | 73 | <4 | 680 | <0.04 | 0.039 | <0.011 | 77 | 2.4 | <0.0030 |
| | 2/21/2012 | 44 | 14 | 690 | <0.22 | <0.010 | <0.050 | 81 | 2.1 | <0.0030 |
| | 5/15/2012 | 12,000 | 5 | 730 | 0.47 | 0.037 | 0.19 | 80 | 9.1 | <0.0030 |
| | 8/9/2012 | 640 | 22 | 800 | <0.22 | 0.012 | 0.066 | 57 | 66 | <0.0030 |
| | 10/18/2012 | 100 | 8 | 690 | <0.10 | <0.010 | <0.050 | 56 | 340 | <0.0030 |
| | 2/12/2013 | 170 | 5 | 610 | 0.44 | <0.010 | 0.12 | 88 | 7.7 | <0.0030 |
| | 5/14/2013 | 22 | 5 | 740 | 0.28 | <0.010 | 0.066 | 72 | 120 | <0.0030 |

**LEGEND**

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NCS: No Criteria Specified by NJDEP
**Bold** concentrations are above reporting limits but below criteria.
**Concentration exceeds NJGWQS**

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|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW19-15 | 12/7/2010 | 88,000 | 21 | 510 | 0.55 | 0.13 | <0.011 | 34 | 6.4 | <0.0030 |
| | 3/14/2011 | 2,200 | 7 | 1,400 | 3.4 | 0.015 | <0.011 | 54 | <1 | <0.0030 |
| | 5/24/2011 | 920 | 7 | 1,000 | 1.3 | 0.18 | <0.011 | 90 | 7.6 | <0.0030 |
| | 8/16/2011 | 3,800 | 7 | 750 | 0.34 | 0.28 | <0.011 | 24 | 12 | <0.0030 |
| | 11/8/2011 | 22,000 | 5 | 620 | 0.27 | 0.23 | <0.011 | 31 | 6.7 | <0.0030 |
| | 2/21/2012 | 600 | 19 | 480 | 0.32 | 0.14 | 0.092 | 29 | 4 | <0.0030 |
| | 5/15/2012 | 350 | <4.0 | 450 | 0.32 | 0.22 | 0.08 | 31 | 10 | <0.0030 |
| | 8/8/2012 | 150 | <4.0 | 460 | 0.26 | 0.15 | <0.054 | 28 | 7.8 | <0.0030 |
| | 10/18/2012 | 160 | <4.0 | 460 | 0.32 | 0.27 | <0.050 | 32 | 18 | <0.0030 |
| | 2/12/2013 | 110 | <4.0 | 440 | 0.35 | 0.14 | 0.062 | 28 | 15 | <0.0030 |
| | 5/15/2013 | 460 | 27 | 540 | 0.20 | 0.18 | 0.13 | 23 | 4.2 | <0.0030 |
| MW19-16 | 12/7/2010 | 2,100 | 9 | 980 | 0.7 | 0.016 | <0.011 | 87 | <1 | <0.0030 |
| | 3/14/2011 | 740 | <4 | 950 | 4.6 | 0.012 | <0.011 | 100 | <1 | <0.0030 |
| | 5/24/2011 | 1,000 | 9 | 700 | <0.04 | 0.041 | <0.011 | 27 | 1.2 | <0.0030 |
| | 8/16/2011 | 44,000 | 5 | 1,100 | 0.64 | 0.03 | <0.011 | 81 | 2.5 | <0.0030 |
| | 11/8/2011 | 110 | 7 | 810 | 0.68 | 0.034 | <0.011 | 110 | 2.6 | <0.0030 |
| | 2/21/2012 | 41 | 6 | 800 | 0.4 | 0.01 | <0.050 | 95 | 14 | <0.0030 |
| | 5/15/2012 | 12,000 | 5 | 760 | 0.41 | <0.010 | 0.083 | 82 | 3.2 | <0.0030 |
| | 8/9/2012 | 2,700 | 180 | 880 | 0.25 | 0.022 | 0.4 | 79 | <1.0 | <0.0030 |
| | 10/18/2012 | 70 | 12 | 810 | 0.36 | <0.010 | 0.075 | 83 | 2.2 | <0.0030 |
| | 2/12/2013 | 290 | 26 | 620 | 0.74 | <0.010 | 0.43 | 94 | 2.2 | <0.0030 |
| | 5/15/2013 | 1,600 | 210 | 470 | 0.49 | 0.07 | 0.50 | 82 | <1.0 | <0.0030 |
| MW19-17 (Ross Street Well) | 12/8/2010 | 130 | 9 | 380 | <0.04 | 0.73 | 0.13 | 4.8 | 980 | <0.0030 |
| | 3/14/2011 | 64 | 14 | 1,300 | <0.04 | 0.91 | 0.092 | 13 | 33 | <0.0030 |
| | 5/24/2011 | 180 | 5 | 970 | 0.27 | 0.31 | <0.011 | 34 | 5 | <0.0030 |
| | 8/16/2011 | 150 | 25 | 430 | 0.44 | 0.99 | 0.33 | 3.8 | 1,400 | <0.0030 |
| | 11/8/2011 | 18 | <4 | 460 | 0.44 | 0.26 | 0.061 | 17 | 94 | <0.0030 |
| | 2/21/2012 | 6.5 | 14 | 270 | 0.34 | 0.67 | 0.25 | 3.2 | 840 | <0.0030 |
| | 5/15/2012 | 14 | 4 | 240 | <0.22 | 1 | 0.4 | <2.5 | 590 | <0.0030 |
| | 8/8/2012 | 30 | 5 | 260 | <0.22 | 0.55 | 0.4 | <2.5 | 360 | <0.0030 |
| | 10/17/2012 | 130 | 31 | 250 | <0.10 | 1.1 | 0.52 | <2.5 | 1,700 | <0.0030 |
| | 2/14/2013 | 55 | 19 | 380 | <0.10 | 0.82 | 0.28 | 3.2 | 1,500 | <0.0030 |
| | 5/14/2013 | 7 | 16 | 270 | <0.10 | 0.96 | 0.40 | <2.5 | 620 | <0.0030 |
| MW-8 | 7/23/2008 | <1 | 66 | 300 | <0.04 | 0.68 | 0.4 | <1.5 | 3,000 | <0.0030 |
| | 10/29/2008 | 5,200 | 33.6 | 94.5 | <0.04 | 0.35 J | <0.011 | 1.9 J | 1,800 | <0.0030 |
| | 1/14/2009 | 51 | 56.8 | 270 | <0.04 | 0.64 | 0.16 | <1.5 | 2,600 | <0.0030 |
| | 4/8/2009(5) | 450 | 28 | 174 | <0.04 | <0.005 | <0.011 | <1.5 | 6,100 | <0.0030 |
| | 7/21/2009 | 75 | 40 | 407 | <0.04 | <0.005 | 0.13 | 2.5 J | 2,400 | <0.0030 |
| | 11/11/2009 | 84 | 42.5 | 191 | <0.04 | 0.53 J | <0.011 | <1.5 | 5,600 | <0.0030 |
| | 2/15/2010 | 46 | 62 | 280 | 0.35 | 0.44 | 0.24 | <1.5 | 1,500 | <0.0030 |
| | 4/20/2010 | 240 | 36 | <10 | <0.04 | 0.24 | 0.24 | <1.5 | 140 | <0.0030 |
| | 8/24/2010 | 100 | 70 | 490 | <0.04 | 0.61 | 0.29 | 7.7 | 4,900 | <0.0030 |
| | 12/7/2010 | 44 | 58 | 200 | <0.04 | 0.27 | 0.15 | <1.5 | 1,800 | <0.0030 |
| | 3/14/2011 | 57 | 31 | 500 | 0.089 | 0.35 | 0.18 | <1.5 | 2,000 | <0.0030 |
| | 5/24/2011 | 890 | 34 | 520 | <0.04 | 0.36 | 0.25 | <1.5 | 290 | <0.0030 |
| | 8/16/2011 | 300 | 61 | 450 | 0.25 | 0.65 | 0.052 | <1.5 | 3,100 | <0.0030 |
| | 11/8/2011 | 140 | 29 | 250 | <0.04 | 0.38 | 0.17 | <1.5 | 1.3 | <0.0030 |
| | 2/21/2012 | 360 | 63 | 250 | <0.22 | 0.26 | 0.52 | <2.5 | 490 | <0.0030 |
| | 5/16/2012 | 1,300 | 90 | 240 | <0.22 | 0.51 | 0.26 | <2.5 | 5,300 | <0.0030 |
| | 8/7/2012 | 450 | 50 | 190 | <0.22 | 0.6 | 0.094 | <2.5 | 2,800 | <0.0030 |
| | 10/16/2012 | 140 | 60 | 190 | <0.10 | 0.76 | 0.16 | <2.5 | 5,200 | <0.0030 |
| | 2/13/2013 | 200 | 54 | 150 | <0.10 | 0.59 | 0.12 | <2.5 | 590 | <0.0030 |
| | 5/16/2013 | 40 | 14 | 180 | <0.10 | 0.54 | 0.27 | <2.5 | 980 | <0.0030 |

**LEGEND**

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NCS: No Criteria Specified by NJDEP
**Bold** concentrations are above reporting limits but below criteria.
**Concentration exceeds NJGWQS**

FS= Well frozen.
NS = Not Sampled
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D = Duplicate sample
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**TABLE 3**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Analytical Data

| | Analytical Parameters | Heterotrophic Plate Count | TSS | TDS | Nitrate Nitrogen | Ammonia Nitrogen | Phosphorus (total) | Sulfate[1] | Methane | Dissolved Lead |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| | NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-25R | 6/21/2006 | 1,100 | 18.8 | 340 | <0.04 | 0.24 J | <0.011 | 2.9 J | 140 | <0.0030 |
| | 9/13/2006 | > 5,700 | 279 | 329 | <0.04 | 0.24 J | 0.14 | 3.3 J | 30 | <0.0030 |
| | 11/7/2006 | 1,000 | 16.8 | 331 | <0.04 | <0.005 | <0.011 | 6.2 | 25 | <0.0030 |
| | 2/8/2007 | 240 | 49 | 300 | <0.04 | 0.12 | <0.011 | <1.5 | 29 | <0.0030 |
| | 6/26/2007 | > 5,700 | 100 | 340 | <0.04 | 0.15 | <0.011 | 5.9 | 33 | <0.0030 |
| | 6/26/2007 [D] | > 5,700 | 100 | 350 | <0.04 | 0.11 | <0.011 | 6.4 | 32 | <0.0030 |
| | 9/11/2007 | > 5,700 | 10 | 260 | <0.04 | <0.005 | <0.011 | 14 | <1 | <0.0030 |
| | 12/6/2007 | FS | 490 | 380 | <0.04 | 0.41 | 0.43 | 10 | <1 | <0.0030 |
| | 2/19/2008 | > 5,700 | 140 | 360 | <0.04 | 0.13 | 0.17 | 5.4 | 55 | <0.0030 |
| | 5/6/2008 | > 5,700 | 200 | 330 | <0.04 | 0.15 | 0.23 | <1.5 | 130 | <0.0030 |
| | 7/22/2008 | <1 | 68 | 380 | <0.04 | 0.14 | <0.011 | <1.5 | 12 | <0.0030 |
| | 10/29/2008 | > 5,700 | <4 | 243 | <0.04 | <0.005 | <0.011 | 16 | 3.5 J | <0.0030 |
| | 1/15/2009 | 1,500 | 36.8 | 344 | <0.04 | <0.005 | <0.011 | 36.5 | 57 | <0.0030 |
| | 4/7/2009(5) | > 5,700 | 98.8 | 362 | <0.04 | <0.005 | <0.011 | 9.4 | 7.6 J | <0.0030 |
| | 7/22/2009 | 2,100 | 32.4 | 412 | <0.04 | <0.005 | <0.011 | 8.5 | 100 | <0.0030 |
| | 11/11/2009 | 1,600 | 160 | 198 | <0.04 | 0.42 J | <0.011 | 12 | 30 | <0.0030 |
| | 2/15/2010 | 580 | 95 | 430 | 0.35 | 0.18 | 0.14 | 6.9 | 41 | <0.0030 |
| | 4/20/2010 | 1,700 | 160 | <10 | <0.04 | 0.068 | 0.2 | 1.4 | 36 | <0.0030 |
| | 8/25/2010 | 3,800 | 65 | 650 | <0.04 | 0.11 | <0.011 | 30 | 1.5 | <0.0030 |
| | 12/9/2010 | 920 | 22 | 350 | <0.04 | 0.099 | <0.011 | 13 | 8.5 | <0.0030 |
| | 3/14/2011 | 6,400 | 23 | 420 | 0.09 | 0.16 | <0.011 | 15 | 36 | <0.0030 |
| | 5/24/2011 | 28,000 | 550 | 410 | <0.04 | 0.22 | 0.57 | <1.5 | 93 | <0.0030 |
| | 8/16/2011 | > 30,000 | 1,400 | 330 | 0.24 | 0.16 | <0.011 | 4.8 | 19 | 0.1 |
| | 11/8/2011 | 9,800 | 70 | 300 | <0.04 | 0.12 | 0.069 | <1.5 | 25 | <0.0030 |
| | 2/22/2012 | 1,800 | 60 | 350 | <0.22 | 0.11 | 0.19 | <2.5 | 270 | <0.0030 |
| | 5/15/2012 | 23,000 | 34 | 300 | <0.22 | 0.057 | 0.23 | 3.1 | 22 | <0.0030 |
| | 8/7/2012 | 1,100 | 33 | 310 | <0.22 | 0.14 | 0.078 | 3 | 33 | <0.0030 |
| | 10/15/2012 | 2,800 | 50 | 330 | <0.10 | 0.11 | 0.11 | 5 | 39 | <0.0030 |
| | 2/13/2013 | 4,500 | 23 | 330 | <0.10 | 0.14 | 0.071 | 9.3 | 33 | <0.0030 |
| | 5/15/2013 | 750 | 93 | 250 | <0.10 | 0.17 | 0.15 | 5.7 | 120 | <0.0030 |

**LEGEND**

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**Bold** concentrations are above reporting limits but below criteria.
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**TABLE 3**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Analytical Data

| | Analytical Parameters | Heterotrophic Plate Count | TSS | TDS | Nitrate Nitrogen | Ammonia Nitrogen | Phosphorus (total) | Sulfate[1] | Methane | Dissolved Lead |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-27S | 6/22/2006 | NR | 5,180 | 630 | <0.04 | 0.26 J | 4.8 | 43.3 | 20 | <0.0030 |
| | 9/11/2006 | > 5,700 | 3,850 | 798 | <0.04 | <0.005 | 1.4 | 108 | 3.7 J | <0.0030 |
| | 11/7/2006 | > 5,700 | 166 | 753 | 0.16 | <0.005 | 0.82 | 116 | 2.3 J | <0.0030 |
| | 2/7/2007 | > 5,700 | 580 | 650 | <0.04 | <0.005 | 0.19 | 91 | <10 | <0.0030 |
| | 6/26/2007 | > 5,700 | 48 | 640 | <0.04 | <0.005 | 3.5 | 97 | <10 | <0.0030 |
| | 9/11/2007 | 270 | 150 | 630 | <0.04 | <0.005 | 0.12 | 84 | <10 | <0.0030 |
| | 12/4/2007 | FS | 260 | 620 | 0.16 | 0.45 | <0.011 | 87 | 22 | <0.0030 |
| | 2/19/2008 | > 5,700 | 850 | 530 | 0.65 | <0.005 | 0.74 | 78 | <10 | <0.0030 |
| | 5/7/2008 | > 5,700 | 770 | 490 | 0.19 | <0.005 | 0.91 | 67 | <10 | <0.0030 |
| | 7/23/2008 | 560 | 1,400 | 620 | <0.04 | 0.14 | 17 | 61 | 11 | <0.0030 |
| | 10/30/2008 | 390 | 66.4 | 571 | 0.2 | <0.005 | 0.085 J | 68.8 | <10 | <0.0030 |
| | 1/14/2009 | 190 | 1,200 | 517 | 0.55 | <0.005 | 0.27 | 62.5 | <10 | 0.0283 |
| | 4/8/2009 | 81 | 253 | 454 | 0.96 | <0.005 | <0.011 | 52.6 | <5 | <0.0030 |
| | 7/21/2009 | 8 | 684 | 482 | 0.38 | <0.005 | <0.011 | 43.9 | <5 | <0.0030 |
| | 11/10/2009 | 23 | 300 | 721 | 0.5 | <0.005 | <0.011 | 47.9 | <5 | <0.0030 |
| | 2/14/2010 | 18 | 64 | 600 | 1.3 | 0.1 | 0.089 | 54 | <1.0 | <0.0030 |
| | 4/20/2010 | 30 | 32 | 400 | 1.1 | <0.005 | <0.011 | 49 | <1.0 | <0.0030 |
| | 8/24/2010 | 70 | 28 | 1,100 | 0.29 | <0.005 | 0.094 | 42 | <1.0 | <0.0030 |
| | 12/8/2010 | 12 | 7 | 680 | 1.1 | <0.005 | <0.011 | 49 | <1.0 | <0.0030 |
| | 3/14/2011 | 2,000 | 14 | 500 | 2.7 | 0.032 | <0.011 | 38 | <1.0 | <0.0030 |
| | 5/25/2011 | 3,500 | 47 | 500 | 2.3 | 0.036 | 0.083 | 36 | 3.2 | <0.0030 |
| | 8/16/2011 | 60 | 41 | 570 | 1.4 | <0.005 | <0.011 | 35 | <1.0 | <0.0030 |
| | 11/8/2011 | 2,800 | 37 | 560 | 0.86 | 0.045 | 0.065 | 31 | <1.0 | <0.0030 |
| | 2/23/2012 | 190 | <4.0 | 540 | 0.55 | <0.010 | <0.050 | 35 | <1.0 | <0.0030 |
| | 5/17/2012 | 88 | 80 | 600 | 0.56 | 0.021 | <0.050 | 35 | <1.0 | <0.0030 |
| | 8/9/2012 | 110 | 20 | 560 | 0.98 | <0.010 | <0.054 | 39 | 1.8 | <0.0030 |
| | 10/17/2012 | 320 | 9 | 600 | 0.85 | <0.010 | <0.050 | 45 | 2.4 | <0.0030 |
| | 2/11/2013 | 280 | 22 | 430 | 2.0 | <0.010 | <0.050 | 36 | <1.0 | <0.0030 |
| | 5/14/2013 | 11 | 28 | 380 | 1.4 | <0.010 | 0.081 | 37 | 3.0 | <0.0030 |

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| | Analytical Parameters | Heterotrophic Plate Count | TSS | TDS | Nitrate Nitrogen | Ammonia Nitrogen | Phosphorus (total) | Sulfate[1] | Methane | Dissolved Lead |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| | NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-28S | 6/21/2006 | 6 | 35.2 | 350 | <0.04 | 0.35 J | 0.25 | 2.6 J | 3,100 | <0.0030 |
| | 9/13/2006 | 1,300 | 22.4 | 460 | <0.04 | 0.26 J | 0.37 | <1.5 | 3,200 | <0.0030 |
| | 9/13/2006 D | 1,500 | 21.6 | 468 | <0.04 | <0.005 | 0.37 | 1.7J | 3,100 | <0.0030 |
| | 11/7/2006 | 1 | 24.8 | 347 | <0.04 | <0.005 | 0.43 | 2.0 J | 4,400 | <0.0030 |
| | 2/7/2007 | 460 | 180 | 350 | <0.04 | <0.005 | 0.42 | <1.5 | 170 | <0.0030 |
| | 2/7/2007 D | 230 | 93 | 360 | <0.04 | <0.005 | 0.43 | <1.5 | 810 | 0.0051 |
| | 6/27/2007 | 78 | 49 | 400 | <0.04 | 0.14 | 0.34 | <1.5 | 1,600 | <0.0030 |
| | 9/12/2007 | <1 | 50 | 350 | <0.04 | <0.005 | 0.34 | <1.5 | 1,100 | <0.0030 |
| | 12/6/2007 | 320 | 42 | 330 | <0.04 | 0.19 | 0.38 | <1.5 | 1,900 | <0.0030 |
| | 2/20/2008 | 80 | 31 | 250 | <0.04 | 0.14 | 0.36 | <1.5 | 570 | <0.0030 |
| | 5/7/2008 | 11 | 44 | 360 | <0.04 | 0.19 | <0.011 | <1.5 | 1,400 | <0.0030 |
| | 7/23/2008 | <1 | 52 | 340 | <0.04 | 0.17 | 0.4 | <1.5 | 0.86 | 0.0056 |
| | 10/29/2008 | 82 | 23.6 | 321 | <0.04 | <0.005 | 0.31 | 2.3 J | 1,800 | <0.0030 |
| | 1/15/2009 | 9 | 38.4 | 356 | <0.04 | 0.27 J | 0.32 | <1.5 | 5,000 | <0.0030 |
| | 4/8/2009 | 530 | 6.0 J | 327 | <0.04 | <0.005 | 0.24 | 5.8 | 1,000 | <0.0030 |
| | 7/22/2009 | 2 | 28.8 | 679 | <0.04 | 0.36 J | 0.26 | <1.5 | 5,200 | <0.0030 |
| | 11/12/2009 | 54 | 17.2 | 408 | <0.04 | <0.005 | 0.16 | 4.2 J | 460 | <0.0030 |
| | 2/16/2010 | 240 | 24 | 330 | 0.34 | 0.22 | 0.4 | <1.5 | 2,100 | <0.0030 |
| | 2/16/2010 D | 210 | <4 | 330 | <0.04 | 0.21 | 0.4 | <1.5 | 2,100 | <0.0030 |
| | 4/21/2010 | 71 | 18 | 240 | <0.04 | 0.1 | 0.4 | 1.1 | 1,600 | <0.0030 |
| | 8/25/2010 | 42 | 21 | 510 | <0.04 | 0.2 | 0.35 | 5.2 | 900 | <0.0030 |
| | 8/25/2010 D | 44 | 19 | 440 | <0.04 | 0.19 | 0.37 | 5.4 | 910 | <0.0030 |
| | 12/8/2010 | 1,200 | 19 | 430 | <0.04 | 0.34 | 0.36 | <1.5 | 1,200 | <0.0030 |
| | 3/15/2011 | 360 | 20 | 370 | <0.04 | 0.22 | 0.38 | 2.6 | 1,700 | <0.0030 |
| | 3/15/2011 D | 300 | 15 | 420 | <0.04 | 0.22 | 0.37 | <1.5 | 1,600 | <0.0030 |
| | 5/25/2011 | 80 | 28 | 220 | <0.04 | 0.19 | 0.37 | 3.6 | 1,200 | <0.0030 |
| | 8/16/2011 | 120 | 45 | 430 | <0.04 | 0.24 | 0.35 | <1.5 | 1,100 | <0.0030 |
| | 11/9/2011 | 3,200 | 23 | 250 | <0.04 | 0.17 | 0.39 | <1.5 | 2.3 | <0.0030 |
| | 11/9/2011 D | 1,400 | 26 | 240 | <0.04 | 0.16 | 0.38 | 3.7 | 8.3 | <0.0030 |
| | 2/22/2012 | 62 | 29 | 260 | <0.22 | 0.2 | 0.46 | <2.5 | 1,400 | <0.0030 |
| | 5/16/2012 | 45 | 34 | 300 | <0.22 | 0.23 | 0.41 | <2.5 | 720 | <0.0030 |
| | 8/8/2012 | <1.0 | 57 | 320 | <0.22 | 0.15 | 0.36 | <2.5 | 770 | <0.0030 |
| | 10/16/2012 | 32 | 44 | 290 | <0.10 | 0.32 | 0.39 | <2.5 | 1,200 | <0.0030 |
| | 2/13/2013 | 760 | 40 | 370 | <0.10 | 0.29 | 0.40 | <2.5 | 2,300 | <0.0030 |
| | 5/16/2013 | 280 | 280 | 370 | <0.10 | 0.30 | 0.54 | <2.5 | 2,400 | <0.0030 |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-28I | 6/22/2006 | 290 | 28 | 367 | 0.047 J | <0.005 | 0.22 | 2.2 J | 1,900 | <0.0030 |
| | 9/13/2006 | > 5,700 | 42.8 | 338 | <0.04 | <0.005 | 0.19 | 3.5 J | 1,500 | <0.0030 |
| | 11/7/2006 | 440 | 15.6 | 335 | <0.04 | <0.005 | 0.22 | 3.0 J | 1,500 | <0.0030 |
| | 2/7/2007 | 110 | 34 | 380 | 0.1 | 0.2 | 0.35 | <1.5 | 410 | <0.0030 |
| | 6/27/2007 | 24 | 23 | 330 | <0.04 | 0.27 | 0.29 | <1.5 | 710 | <0.0030 |
| | 9/12/2007 | 37 | 37 | 300 | <0.04 | 0.28 | 0.27 | <1.5 | 560 | <0.0030 |
| | 12/6/2007 | 160 | 34 | 360 | <0.04 | 0.47 | 0.64 | 5.1 | 370 | <0.0030 |
| | 2/20/2008 | <1 | 25 | 290 | <0.04 | 0.37 | 0.29 | <1.5 | 170 | <0.0030 |
| | 5/7/2008 | 17 | 38 | 560 | <0.04 | 0.31 | 0.23 | <1.5 | 870 | <0.0030 |
| | 7/23/2008 | 51 | 29 | 310 | <0.04 | 0.25 | 280 | <1.5 | 410 | <0.0030 |
| | 10/29/2008 | 24 | 20.8 | 360 | <0.04 | 0.54 J | 0.23 | 6.7 | 500 | <0.0030 |
| | 1/15/2009 | 3 | 31.6 | 399 | <0.04 | .42 J | 0.27 | <1.5 | 1,800 | <0.0030 |
| | 1/15/2009 [D] | 4 | 35.2 | 415 | <0.04 | 0.54 J | 0.26 | <1.5 | 1,700 | <0.0030 |
| | 4/8/2009(5) | 89 | 13.6 | 351 | <0.04 | <0.005 | 0.22 | 7.7 | 110 | <0.0030 |
| | 7/22/2009 | <1 | 20 | 542 | <0.04 | 1.1 | 0.21 | 2.6 J | 2,100 | <0.0030 |
| | 11/12/2009 | 4 | 18 | 445 | <0.04 | 0.38 J | 0.11 | 7.8 | 190 | <0.0030 |
| | 11/12/2009 [D] | 4 | 19.6 | 417 | <0.04 | 0.47 J | 0.13 | 7.8 | 180 | <0.0030 |
| | 2/16/2010 | 10 | 40 | 470 | <0.04 | 0.49 | 0.34 | 0.96 | 1,400 | <0.0030 |
| | 4/21/2010 | 8 | 16 | 260 | <0.04 | 0.21 | 0.32 | 2.1 | 800 | <0.0030 |
| | 8/25/2010 | 5.5 | 23 | 420 | <0.04 | 0.33 | 0.29 | 8.5 | 210 | <0.0030 |
| | 12/8/2010 | 6 | 26 | 470 | <0.04 | 0.55 | 0.32 | 2.7 | 620 | <0.0030 |
| | 3/14/2011 | 5 | 15 | 430 | <0.04 | 0.42 | 0.29 | 5.8 | 500 | <0.0030 |
| | 5/25/2011 | 36 | 32 | 240 | <0.04 | 0.28 | 0.38 | 4.8 | 570 | <0.0030 |
| | 8/16/2011 | 20 | 32 | 460 | <0.04 | 0.4 | 0.31 | <1.5 | 1,400 | <0.0030 |
| | 11/8/2011 | 16 | 21 | 260 | <0.04 | 0.24 | 0.3 | <1.5 | <1 | <0.0030 |
| | 2/22/2012 | 130 | 31 | 380 | <0.22 | 0.22 | 0.42 | <2.5 | 380 | <0.0030 |
| | 5/16/2012 | 62 | 35 | 320 | <0.22 | 0.28 | 0.37 | <2.5 | 22 | <0.0030 |
| | 8/8/2012 | 560 | 32 | 300 | <0.22 | 0.17 | 0.42 | <2.5 | 770 | <0.0030 |
| | 10/16/2012 | 200 | 30 | 300 | 0.28 | 0.32 | 0.33 | 4.4 | 230 | <0.0030 |
| | 2/13/2013 | 26 | 34 | 340 | <0.10 | 0.38 | 0.37 | 3.2 | 26 | <0.0030 |
| | 5/16/2013 | 150 | 34 | 280 | <0.10 | 0.35 | 0.37 | <2.5 | 690 | <0.0030 |

**LEGEND**

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NCS: No Criteria Specified by NJDEP
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Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Analytical Data

| | Analytical Parameters | Heterotrophic Plate Count | TSS | TDS | Nitrate Nitrogen | Ammonia Nitrogen | Phosphorus (total) | Sulfate[1] | Methane | Dissolved Lead |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| | NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-29S | 6/22/2006 | 250 | 58.8 | 504 | <0.04 | 11.9 | 0.45 | 4.0 J | 1,200 | <0.0030 |
| | 9/14/2006 | > 5,700 | 54 | 546 | <0.04 | 9.9 | 0.32 | 1.9 J | 5,000 | <0.0030 |
| | 11/9/2006 | 190 | 35.6 | 509 | <0.04 | 8.3 | 0.29 | 3.9 J | 5,200 | <0.0030 |
| | 2/7/2007 | 30 | 41 | 510 | 0.14 | 7.5 | 0.34 | <1.5 | 450 | 0.0084 |
| | 6/27/2007 | 150 | 56 | 490 | <0.04 | 8.3 | 0.29 | <1.5 | 1,000 | <0.0030 |
| | 9/11/2007 | 1,900 | 54 | 520 | <0.04 | 8.1 | 0.4 | <1.5 | 2,500 | <0.0030 |
| | 12/5/2007 | FS | 66 | 500 | <0.04 | 9.3 | 0.44 | <1.5 | 3,100 | 0.014 |
| | 2/19/2008 | 93 | 60 | 510 | <0.04 | 7.5 | 0.34 | <1.5 | 2,000 | <0.0030 |
| | 2/19/2008 [D] | 120 | 38 | 510 | <0.04 | 7.6 | 0.35 | <1.5 | 1,800 | <0.0030 |
| | 5/7/2008 | 65 | 40 | 490 | <0.04 | 8.2 | 0.3 | <1.5 | 2,100 | <0.0030 |
| | 7/22/2008 | 130 | 20 | 460 | <0.04 | 7.7 | 0.41 | <1.5 | 1,700 | <0.0030 |
| | 10/29/2008 | 52 | 37.2 | 455 | <0.04 | 7.2 | 0.35 | <1.5 | 4,400 | <0.0030 |
| | 10/29/2008 [D] | 56 | 41.6 | 462 | <0.04 | 7.2 | 0.34 | <1.5 | 4,600 | <0.0030 |
| | 1/15/2009 | 1,600 | 58.8 | 425 | <0.04 | 7.2 | 0.32 | 3.0 J | 6,100 | <0.0030 |
| | 4/7/2009 | 200 | 58 | 464 | <0.04 | 5.8 | 0.28 | 7.3 | 4,000 | <0.0030 |
| | 7/21/2009 | 21 | 47.2 | 542 | <0.04 | 7.5 | 0.31 | 3.3 J | 4,800 | <0.0030 |
| | 11/11/2009 | 3 | 39 | 436 | <0.04 | 8.9 | 0.25 | <1.5 | 5,800 | <0.0030 |
| | 2/15/2010 | 110 | 62 | 440 | 0.36 | 6.4 | 0.38 | 2.1 | 2,800 | <0.0030 |
| | 4/20/2010 | 110 | 46 | 440 | <0.04 | 4.2 | 0.39 | 1.5 | 6,200 | <0.0030 |
| | 8/24/2010 | 15 | 45 | 510 | <0.04 | 8.9 | 0.37 | 7 | 1,800 | <0.0030 |
| | 12/7/2010 | 23 | 27 | 420 | <0.04 | 10 | 0.41 | 2.7 | 4,300 | <0.0030 |
| | 3/14/2011 | 470 | 15 | 540 | 0.093 | 4.3 | <0.011 | 4.1 | 1,800 | <0.0030 |
| | 5/24/2011 | 560 | 57 | 510 | <0.04 | 3.7 | 0.33 | 3.5 | 4,200 | <0.0030 |
| | 8/16/2011 | 250 | 20 | 450 | 0.25 | 4.5 | 0.35 | <1.5 | 4,200 | <0.0030 |
| | 11/8/2011 | 840 | 60 | 450 | <0.04 | 4.1 | 0.32 | <1.5 | 1,700 | <0.0030 |
| | 2/21/2012 | 58 | 30 | 380 | <0.22 | 4.4 | 0.23 | 13 | 1,500 | <0.0030 |
| | 5/16/2012 | 23 | 55 | 460 | <0.22 | 6.6 | <0.050 | <2.5 | 1,800 | <0.0030 |
| | 8/7/2012 | 300 | 35 | 440 | 0.24 | 5.7 | 0.29 | <2.5 | 1,400 | <0.0030 |
| | 10/17/2012 | 45 | 77 | 500 | <0.10 | 7.0 | 0.37 | <2.5 | 2,200 | <0.0030 |
| | 2/13/2013 | 17 | 62 | 470 | <0.10 | 9.4 | 0.39 | <2.5 | 500 | <0.0030 |
| | 5/16/2013 | 460 | 90 | 320 | <0.10 | 9.9 | 0.51 | <2.5 | 170 | <0.0030 |

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| | Analytical Parameters | Heterotrophic Plate Count | TSS | TDS | Nitrate Nitrogen | Ammonia Nitrogen | Phosphorus (total) | Sulfate[1] | Methane | Dissolved Lead |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-30S (abandoned) | 6/21/2006 | 2,200 | 75.6 | 348 | <0.04 | 0.86 | 0.17 | 5.2 | 3,800 | <0.0030 |
| | 9/13/2006 | > 5,700 | 132 | 457 | <0.04 | 0.89 | 0.32 | <1.5 | 2,500 | <0.0030 |
| | 11/9/2006 | > 5,700 | 147 | 448 | <0.04 | 1.1 | 0.24 | 5.5 | 6,500 | <0.0030 |
| | 6/26/2007 | > 5,700 | 650 | 350 | <0.04 | 0.94 | 1.6 | <1.5 | 1,800 | <0.0030 |
| | 9/12/2007 | > 5,700 | 220 | 440 | <0.04 | 1 | 0.34 | <1.5 | 1,700 | <0.0030 |
| | 9/12/2007 D | > 5,700 | 180 | 400 | <0.04 | 1.1 | 0.33 | <1.5 | 1,500 | <0.0030 |
| | 12/6/2007 | > 5,700 | 120 | 520 | <0.04 | 1.3 | 0.22 | <1.5 | 1,900 | <0.0030 |
| | 2/20/2008 | 1,100 | 2,300 | 410 | <0.04 | 0.97 | 1.2 | <1.5 | 1,300 | <0.0030 |
| | 5/8/2008 | > 5,700 | 36 | 320 | <0.04 | 0.93 | 0.26 | <1.5 | 1,700 | <0.0030 |
| | 7/22/2008 | <1 | 36 | 390 | <0.04 | 2.6 | 0.29 | <1.5 | 1,800 | <0.0030 |
| | 10/29/2008 | 2,300 | 18 | 401 | <0.04 | 1.3 | 0.19 | <1.5 | 4,100 | <0.0030 |
| | 1/15/2009 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/8/2009 | 210 | 40 | 464 | <0.04 | 1.3 | 0.14 | 2.0 J | 3,700 | <0.0030 |
| | 7/22/2009 | 720 | 38.8 | 461 | <0.04 | 1.6 | 0.21 | <1.5 | 4,200 | <0.0030 |
| | 11/11/2009 | 720 | 33.2 | 457 | <0.04 | 1.3 | <0.011 | <1.5 | 4,400 | <0.0030 |
| | 2/15/2010 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/21/2010 | 2,700 | 50 | 470 | <0.04 | 0.93 | 0.26 | <1.5 | 3,300 | <0.0030 |
| | 4/21/2010 D | 12,000 | 48 | 440 | <0.04 | 0.91 | 0.26 | <1.5 | 3,200 | <0.0030 |
| | 8/24/2010 | 3,600 | 46 | 480 | <0.04 | 1 | 0.32 | 4.9 | 1,600 | <0.0030 |
| | 12/8/2010 | 120 | 31 | 460 | <0.04 | 1.2 | 0.24 | <1.5 | 4,200 | <0.0030 |
| | 12/8/2010 D | 1,200 | 41 | 490 | <0.04 | 1.2 | 0.27 | <1.5 | 1,400 | <0.0030 |
| | 3/16/2011 | 1,200 | 42 | 530 | <0.04 | 0.038 | 0.26 | 5.5 | 1,600 | <0.0030 |
| | 5/24/2011 | 19,000 | 68 | 450 | <0.04 | 0.82 | 0.32 | <1.5 | 3,200 | <0.0030 |
| | 8/16/2011 | 300,000 | 66 | 360 | <0.04 | 0.96 | 0.24 | <1.5 | 2,700 | <0.0030 |
| | 8/16/2011 D | 300,000 | 66 | 360 | <0.04 | 0.96 | 0.24 | <1.5 | 2,700 | 0.003 |
| | 11/8/2011 | 3,300 | 23 | 330 | <0.04 | 0.70 | 0.34 | <1.5 | 2,700 | <0.0030 |
| MW-30S(R) | 2/22/2012 | 68 | 28 | 290 | <0.22 | 0.52 | 0.47 | <2.5 | 1,700 | <0.0030 |
| | 5/16/2012 | 440 | 30 | 390 | <0.22 | 0.62 | 0.41 | <2.5 | 320 | <0.0030 |
| | 5/16/2012 D | 310 | 35 | 360 | <0.22 | 0.63 | 0.42 | <2.5 | 490 | <0.0030 |
| | 8/8/2012 | <1.0 | 35 | 360 | <0.22 | 0.64 | 0.37 | <2.5 | 1,200 | <0.0030 |
| | 8/8/2012 D | 800 | 35 | 370 | <0.22 | 0.36 | 0.37 | <2.5 | 1,200 | <0.0030 |
| | 10/17/2012 | 1,800 | 43 | 400 | <0.10 | 0.92 | 0.43 | <2.5 | 1,600 | <0.0030 |
| | 2/13/2013 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 5/16/2013 | 140 | 34 | 270 | <0.10 | 0.60 | 0.50 | <2.5 | 1,200 | <0.0030 |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| | NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-30I | 6/21/2006 | > 5,700 | 18.8 | 369 | <0.04 | 1.8 | 0.15 | 8.2 | 1,100 | <0.0030 |
| | 9/13/2006 | 290 | 41.6 | 414 | <0.04 | 0.83 | 0.23 | 3.2 J | 1,200 | <0.0030 |
| | 11/8/2006 | 40 | 17.2 | 456 | <0.04 | 0.89 | 0.24 | 11.1 | 930 | <0.0030 |
| | 11/8/2006 D | 43 | 41.2 | 478 | <0.04 | <0.005 | 0.23 | 11.1 | 930 | <0.0030 |
| | 2/7/2007 | 36 | 34 | 300 | <0.04 | 0.8 | 0.31 | <1.5 | 680 | <0.0030 |
| | 6/26/2007 | <1 | 41 | 430 | <0.04 | 1 | 0.33 | <1.5 | 97 | <0.0030 |
| | 12/6/2007 | 470 | 69 | 530 | <0.04 | 1.1 | 0.45 | <1.5 | <1.0 | <0.0030 |
| | 2/19/2008 | 2 | 33 | 410 | <0.04 | 1.2 | 0.34 | <1.5 | 370 | <0.0030 |
| | 5/7/2008 | 23 | 27 | 540 | <0.04 | 1 | <0.011 | <1.5 | 510 | <0.0030 |
| | 5/7/2008 D | 16 | 26 | 300 | <0.04 | 1 | 0.29 | <1.5 | 560 | <0.0030 |
| | 7/22/2008 | <1 | 31 | 390 | <0.04 | 1.3 | 0.38 | <1.5 | 790 | <0.0030 |
| | 10/29/2008 | 6 | 21.6 | 411 | <0.04 | 1.4 | 0.27 | 4.4 J | 400 | <0.0030 |
| | 1/15/2009 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/8/2009 | 670 | 36.8 | 474 | <0.04 | 1.3 | 0.19 | 5.9 | 270 | <0.0030 |
| | 7/23/2009 | 5 | 28 | 431 | <0.04 | 1.3 | 0.26 | 4.3 J | 660 | <0.0030 |
| | 7/23/2009 D | 6 | 24.8 | 444 | <0.04 | 0.72 | 0.25 | 4.2 J | 730 | <0.0030 |
| | 11/11/2009 | 13 | 24 | 448 | <0.04 | <0.005 | 0.14 | 6.1 | 170 | <0.0030 |
| | 2/15/2010 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/21/2010 | 130 | 42 | 460 | <0.04 | 0.86 | 0.38 | <1.5 | 2,100 | <0.0030 |
| | 8/24/2010 | 50 | 31 | 440 | <0.04 | 1.1 | 0.39 | 5.6 | 640 | <0.0030 |
| | 12/7/2010 | 17 | 39 | 540 | <0.04 | 1.1 | 0.35 | 5.1 | 65 | <0.0030 |
| | 3/16/2011 | 50 | 27 | 500 | <0.04 | <0.005 | 0.3 | 10 | 670 | <0.0030 |
| | 5/25/2011 | 78 | 57 | 390 | <0.04 | 0.57 | 0.46 | 2.7 | 1,200 | <0.0030 |
| | 5/25/2011 D | 160 | 40 | 390 | <0.04 | 0.72 | 0.43 | 2.6 | 1,700 | <0.0030 |
| | 8/16/2011 | 350 | 28 | 380 | <0.04 | 0.79 | 0.34 | <1.5 | 940 | <0.0030 |
| | 11/8/2011 | 890 | 17 | 280 | <0.04 | 0.69 | 0.56 | <1.5 | 76 | <0.0030 |
| | 2/22/2012 | 27 | 27 | 330 | <0.22 | 0.51 | 0.51 | <2.5 | 1,800 | <0.0030 |
| | 5/17/2012 | 34 | 27 | 360 | <0.22 | 0.6 | 0.42 | <2.5 | 15 | <0.0030 |
| | 8/8/2012 | 33 | 36 | 370 | <0.22 | 0.42 | 0.39 | <2.5 | 670 | <0.0030 |
| | 10/17/2012 | 22 | 35 | 390 | <0.10 | 0.76 | 0.39 | <2.5 | 770 | <0.0030 |
| | 10/17/2012 D | 16 | 36 | 410 | <0.10 | 0.32 | 0.39 | <2.5 | 730 | <0.0030 |
| | 2/13/2013 | 58 | 30 | 400 | <0.10 | 0.63 | 0.43 | <2.5 | 21 | <0.0030 |
| | 2/13/2013 D | 61 | 29 | 400 | <0.10 | 0.62 | 0.47 | <2.5 | 9.4 | <0.0030 |
| | 5/16/2013 | 1.5 | 24 | 430 | <0.10 | 0.53 | 0.51 | <2.5 | 170 | <0.0030 |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-30D | 6/21/2006 | 2,800 | 11.6 | 248 | <0.04 | 0.30 J | <0.011 | 9.7 | 45 | <0.0030 |
| | 9/14/2006 | > 5,700 | 6.4 J | 288 | 0.043 J | <0.005 | <0.011 | 10.6 | 5.3 | <0.0030 |
| | 11/8/2006 | 47 | 5.6 J | 375 | <0.04 | <0.005 | <0.011 | 12.5 | 22 | <0.0030 |
| | 6/26/2007 | 130 | 13 | 240 | <0.04 | 0.11 | <0.011 | 10 | 77 | <0.0030 |
| | 9/12/2007 | 78 | 9 | 260 | <0.04 | 0.16 | <0.011 | 11 | <1 | <0.0030 |
| | 12/4/2007 | FS | 20 | 300 | <0.04 | 0.24 | 0.11 | 11 | <1 | <0.0030 |
| | 12/4/2007 D | FS | 20 | 270 | <0.04 | 0.19 | 0.28 | 11 | <1 | <0.0030 |
| | 2/19/2008 | 790 | 8 | 300 | <0.04 | 0.12 | <0.011 | 9.4 | 47 | <0.0030 |
| | 5/7/2008 | 420 | 12 | 370 | <0.04 | 0.27 | <0.011 | 5.3 | 140 | <0.0030 |
| | 7/22/2008 | <1 | 9.2 | 280 | <0.04 | 0.31 | 0.13 | 9.2 | 16 | <0.0030 |
| | 10/29/2008 | 40 | 9.2 J | 309 | <0.04 | 0.27 J | <0.011 | 12.7 | <5 | <0.0030 |
| | 1/15/2009 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/8/2009 | 75 | 9.2 J | 324 | 0.046 J | <0.005 | <0.011 | 14.3 | 5 J | <0.0030 |
| | 7/21/2009 | 9 | 6.4 J | 321 | <0.04 | <0.005 | <0.011 | 14.8 | 60 | <0.0030 |
| | 11/11/2009 | 7 | 5.2 J | 331 | 0.1 | <0.005 | <0.011 | 15 | <5 | <0.0030 |
| | 2/15/2010 | 38 | 11 | 350 | <0.04 | 0.12 | 0.05 | 10 | 90 | <0.0030 |
| | 4/21/2010 | 33 | 6 | 110 | <0.04 | 0.079 | 0.051 | 8.7 | 71 | <0.0030 |
| | 8/24/2010 | 8,300 | 15 | 300 | <0.04 | 0.071 | 0.13 | 12 | <1 | <0.0030 |
| | 12/7/2010 | 56 | 10 | 500 | 0.11 | 0.16 | 0.054 | 14 | <1 | <0.0030 |
| | 3/16/2011 | 250 | 7 | 330 | <0.04 | 0.92 | <0.011 | 14 | 11 | <0.0030 |
| | 5/25/2011 | 3,500 | 5 | 300 | 0.3 | 0.072 | 0.081 | 12 | 28 | <0.0030 |
| | 8/16/2011 | 1,100 | 5 | 350 | 0.29 | 0.098 | <0.011 | 8.7 | 64 | <0.0030 |
| | 11/9/2011 | 450 | 5 | 270 | 0.3 | 0.13 | <0.011 | 9.7 | 9.8 | <0.0030 |
| | 2/22/2012 | 24 | 7 | 300 | 0.29 | 0.1 | 0.11 | 6.7 | 400 | <0.0030 |
| | 5/17/2012 | 23 | 6 | 330 | 0.29 | 0.13 | 0.073 | 11 | 1.2 | <0.0030 |
| | 8/8/2012 | 1,200 | 9 | 290 | 0.26 | 0.052 | 0.072 | 11 | <1.0 | <0.0030 |
| | 10/16/2012 | 28 | 7 | 290 | 0.28 | 0.098 | 0.092 | 13 | 3.1 | <0.0030 |
| | 2/13/2013 | 80 | 7 | 300 | 0.24 | 0.074 | 0.092 | 13 | 3.5 | <0.0030 |
| | 5/16/2013 | 40 | <4.0 | 330 | <0.10 | 0.056 | 0.14 | 9.9 | 16 | <0.0030 |
| MW-31S | 5/8/2008 | > 5,700 | 460 | 810 | 0.12 | 22 | 0.68 | 44 | 3,000 | <0.0030 |
| | 7/23/2008 | <1 | 320 | 1,900 | <0.04 | 22 | 0.71 | 72 | 2,100 | <0.0030 |
| | 10/30/2008 | > 5,700 | 11.5 J | 502 | <0.04 | 10.8 | 0.14 | 84.2 | 2,800 | <0.0030 |
| | 1/14/2009 | 620 | 35.2 | 629 | <0.04 | 22.6 | 0.4 | 47.9 | 11,000 | <0.0030 |
| | 4/9/2009 | > 5,700 | <4 | 556 | 0.056 J | 6.4 | <0.011 | 136 | 2,400 | <0.0030 |
| | 7/23/2009 | 6,800 | 36.8 | 576 | <0.04 | 19.8 | 0.12 | 35.9 | 12,000 | <0.0030 |
| | 11/12/2009 | 100,000 | 7.6 J | 619 | <0.04 | 9.1 | <0.011 | 187 | 3,200 | <0.0030 |
| | 2/16/2010 | 230 | 54 | 600 | <0.04 | 16 | 0.3 | 56 | 15,000 | <0.0030 |
| | 4/22/2010 | 210,000 | 5 | 630 | <0.04 | 12 | 0.26 | 36 | 13,000 | <0.0030 |
| | 8/25/2010 | > 30,000 | 11 | 920 | <0.04 | 15 | 0.25 | 41 | 3,900 | <0.0030 |
| | 12/9/2010 | > 30,000 | 23 | 430 | <0.04 | 2 | 0.1 | 510 | 970 | <0.0030 |
| | 3/17/2011 | 36,000 | <4 | 620 | <0.04 | 9.1 | 0.21 | 120 | 10,000 | <0.0030 |
| | 5/26/2011 | 180 | 23 | 640 | <0.04 | 0.13 | 0.24 | 46 | 6,800 | <0.0030 |
| | 8/16/2011 | 66 | <4 | 560 | <0.04 | 8.2 | 0.21 | 58 | 8,000 | <0.0030 |
| | 11/9/2011 | 180 | 110 | 480 | <0.04 | 5,800 | 0.3 | 42 | 5,800 | <0.0030 |
| | 2/23/2012 | 910 | 4 | 580 | <0.22 | 9.1 | 0.22 | 30 | 11,000 | <0.0030 |
| | 5/15/2012 | 200,000 | 9 | 550 | <0.22 | 7.4 | 0.22 | 110 | 3,400 | <0.0030 |
| | 8/7/2012 | 1,400 | 44 | 550 | 0.24 | 14 | 0.33 | 31 | 2,500 | <0.0030 |
| | 10/16/2012 | > 300,000 | 11 | 1,100 | 0.41 | 1.2 | 0.11 | 380 | 710 | <0.0030 |
| | 2/11/2013 | 54,000 | 130 | 580 | <0.10 | 5.3 | 0.17 | 150 | 4,200 | <0.0030 |
| | 5/14/2013 | 210,000 | <8.0 | 580 | 0.28 | 6.5 | 0.19 | 80 | 6,100 | <0.0030 |

**LEGEND**

ug/L = micrograms per liter
mg/L = milligrams per liter
CFU/mL = colony-forming unit per milliliter
NCS: No Criteria Specified by NJDEP
**Bold** concentrations are above reporting limits but below criteria.
**Concentration exceeds NJGWQS**

FS= Well frozen.
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
D = Duplicate sample
L = Lower Grab Sample
U = Upper Grab Sample

**TABLE 3**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Analytical Data

| | Analytical Parameters | Heterotrophic Plate Count | TSS | TDS | Nitrate Nitrogen | Ammonia Nitrogen | Phosphorus (total) | Sulfate[1] | Methane | Dissolved Lead |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| | NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-32S | 5/8/2008 | > 5,700 | NS | 3,400 | <0.04 | 2 | 14 | 8.6 | 4,800 | <0.0030 |
| | 7/23/2008 | 410 | NS | 650 | <0.04 | 1.6 | 2.6 | NS | 2,900 | <0.0030 |
| | 10/30/2008 | > 5700 | 50 | 818 | <0.04 | 1.6 | 0.11 | 200 | 5,400 | <0.0030 |
| | 1/15/2009 | 430 | 385 | 637 | <0.04 | 0.69 | <0.011 | 8.9 | 9,500 | <0.0030 |
| | 4/8/2009 | 240 | 35.2 | 612 | 0.16 | 1.8 | <0.011 | 122 | 6,900 | <0.0030 |
| | 7/23/2009 | 290 | 113 | 620 | <0.04 | <0.005 | <0.011 | 2.8 J | 12,000 | <0.0030 |
| | 11/12/2009 | 5,200 | 208 | 691 | <0.04 | 1.2 | <0.011 | 47.9 | 7,300 | <0.0030 |
| | 2/16/2010 | 4,600 | 15 | 540 | <0.04 | 0.53 | 0.13 | 4.7 | 13,000 | <0.0030 |
| | 4/22/2010 | 370 | 52 | 520 | <0.04 | 0.085 | 0.14 | 11 | 11,000 | <0.0030 |
| | 8/25/2010 | 11,000 | 400 | 850 | <0.04 | 0.4 | 0.17 | 12 | 5,100 | <0.0030 |
| | 12/9/2010 | 500,000 | 69 | 300 | <0.04 | 0.54 | 0.29 | 460 | 2,100 | <0.0030 |
| | 3/17/2011 | 950 | 31 | 710 | <0.04 | 0.35 | 0.17 | 120 | 8,700 | <0.0030 |
| | 5/25/2011 | 56,000 | 41 | 700 | <0.04 | 1.4 | 0.35 | 49 | 7,200 | <0.0030 |
| | 8/16/2011 | 140,000 | 30 | 720 | <0.04 | 2.1 | 0.29 | 70 | 6,800 | <0.0030 |
| | 11/9/2011 | 230,000 | 200 | 760 | <0.04 | 0.83 | 0.21 | 38 | 9,400 | <0.0030 |
| | 2/23/2012 | 1,800 | 74 | 740 | <0.22 | 0.33 | 0.12 | 72 | 8,600 | <0.0030 |
| | 5/15/2012 | 5,200 | 52 | 770 | <0.22 | 0.22 | 0.13 | 160 | 1,200 | <0.0030 |
| | 8/7/2012 | 12,000 | 170 | 550 | <0.22 | 0.22 | 0.25 | 5.2 | 4,000 | <0.0030 |
| | 10/16/2012 | 330,000 | 41 | 1,000 | <0.10 | 0.086 | 0.21 | 270 | 1,400 | <0.0030 |
| | 2/11/2013 | 120,000 | 61 | 780 | <0.10 | 0.53 | 0.27 | 140 | 7,400 | <0.0030 |
| | 5/14/2013 | 10 | 60 | 430 | <0.10 | 0.21 | 0.23 | <2.5 | 15,000 | <0.0030 |
| MW-33S | 5/8/2008 | >5,700 | 220 | 310 | <0.04 | 5 | 0.17 | 7.5 | 2,800 | 0.011 |
| | 7/23/2008 | <1 | 250 | 380 | <0.04 | 7 | <0.011 | 10 | 2,000 | <0.0030 |
| | 10/30/2008 | > 5,700 | 51 | 358 | <0.04 | 7.4 | 0.13 | 8.6 | 4,800 | <0.0030 |
| | 1/15/2009 | 160 | 122 | 395 | <0.04 | <0.005 | <0.011 | 68.1 | 9,600 | <0.0030 |
| | 4/9/2009 | 2,800 | 74 | 410 | <0.04 | 6.7 | 0.31 | 4.8 J | 8,400 | <0.0030 |
| | 7/23/2009 | 1,200 | 181 | 610 | <0.04 | 5.8 | 0.42 | 12.9 | 5,100 | <0.0030 |
| | 11/12/2009 | 670 | 85 | 518 | <0.04 | 5.8 | <0.011 | 7.2 | 3,200 | <0.0030 |
| | 2/16/2010 | 6,700 | <4 | 420 | <0.04 | 7.2 | 0.06 | 6.2 | 6,900 | <0.0030 |
| | 4/22/2010 | 6,000 | 74 | 460 | <0.04 | 4 | 0.098 | 9.3 | 6,100 | <0.0030 |
| | 8/25/2010 | 66,000 | 22 | 650 | <0.04 | 4.3 | 0.13 | 18 | 540 | <0.0030 |
| | 12/9/2010 | 34,000 | 34 | 1,400 | <0.04 | 4 | 0.19 | 110 | 270 | <0.0030 |
| | 3/17/2011 | 21,000 | 23 | 750 | <0.04 | 1.8 | 0.08 | 120 | 2,200 | <0.0030 |
| | 5/26/2011 | 9,300 | 92 | 700 | 0.28 | 1.4 | 0.15 | 77 | 1,500 | <0.0030 |
| | 8/16/2011 | 560 | 100 | 580 | <0.04 | 2.8 | 0.22 | 29 | 1,200 | <0.0030 |
| | 11/9/2011 | NA | 130 | 540 | <0.04 | 2.6 | 0.11 | 9.8 | 2,300 | <0.0030 |
| | 2/23/2012 | 530 | 84 | 390 | <0.22 | 2.8 | <0.050 | 4.1 | 3,900 | <0.0030 |
| | 5/15/2012 | 1,200 | 120 | 430 | <0.22 | 3.1 | 0.12 | 5.5 | 2,000 | <0.0030 |
| | 8/7/2012 | 1,200 | 100 | 330 | <0.22 | 2.8 | 0.074 | <2.5 | 590 | <0.0030 |
| | 10/16/2012 | <1.0 | 46 | 370 | <0.10 | 4.2 | 0.073 | 6.5 | 2,100 | <0.0030 |
| | 2/11/2013 | 2,000 | 85 | 340 | <0.10 | 3.8 | 0.16 | 8.3 | 5,400 | <0.0030 |
| | 5/14/2013 | 790 | 33 | 400 | <0.10 | 4.8 | 0.073 | 8.0 | 4,400 | <0.0030 |

**LEGEND**

ug/L = micrograms per liter
mg/L = milligrams per liter
CFU/mL = colony-forming unit per milliliter
NCS: No Criteria Specified by NJDEP
**Bold** concentrations are above reporting limits but below criteria.
**Concentration exceeds NJGWQS**

FS= Well frozen.
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
D = Duplicate sample
L = Lower Grab Sample
U = Upper Grab Sample

**TABLE 3**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Analytical Data

| | Analytical Parameters | Heterotrophic Plate Count | TSS | TDS | Nitrate Nitrogen | Ammonia Nitrogen | Phosphorus (total) | Sulfate[1] | Methane | Dissolved Lead |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | cfu/mL | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L |
| | NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA | NCS | NCS | 500 | 10 | 3 | NCS | 250 | NCS | 0.005 |
| MW-34S | 5/6/2008 | > 5,700 | NS | 490 | <0.04 | <0.005 | <0.011 | 12 | 3,700 | <0.0030 |
| | 7/23/2008 | <1 | NS | NS | NS | <0.005 | 0.34 | NS | 2,800 | NS |
| | 10/30/2008 | 2,100 | <4 | 693 | 0.53 | 0.35 J | <0.011 | 23.9 | 490 | <0.0030 |
| | 1/15/2009 | NS | NS | NS | <0.04 | <0.005 | <0.011 | NS | 7,200 | <0.0030 |
| | 4/8/2009 | NS | 26.4 | 369 | 0.16 | 0.38 J | <0.011 | 8.7 | 8,600 | <0.0030 |
| | 7/23/2009 | 150 | 56.4 | NS | <0.04 | <0.005 | <0.011 | 4.9 J | 9,600 | <0.0030 |
| | 11/12/2009 | 45 | 293 | 462 | <0.04 | <0.005 | <0.011 | 9.8 | 4,400 | <0.0030 |
| | 2/16/2010 | 9,300 | 27 | 400 | <0.04 | 0.13 | <0.011 | 2.8 | 9,200 | <0.0030 |
| | 4/22/2010 | 1,700 | 20 | 370 | <0.04 | <0.005 | <0.011 | 2.8 | 8,700 | <0.0030 |
| | 8/25/2010 | > 30,000 | NS | NS | NS | 0.032 | 0.084 | NS | 3,100 | <0.0030 |
| | 12/9/2010 | 8,700 | 24 | 180 | 0.23 | 0.14 | <0.011 | 210 | <1 | <0.0030 |
| | 3/17/2011 | 810 | 6 | 380 | <0.04 | 0.13 | <0.011 | 65 | 270 | <0.0030 |
| | 5/26/2011 | 2,600 | 24 | 560 | <0.04 | 0.15 | 0.064 | 81 | 1,300 | <0.0030 |
| | 8/16/2011 | 40 | 22 | 580 | <0.04 | 0.16 | 0.06 | 100 | 800 | <0.0030 |
| | 11/9/2011 | 1,800 | 48 | 720 | 0.27 | 0.4 | <0.011 | 60 | 9.9 | <0.0030 |
| | 2/23/2012 | 94 | 45 | 650 | <0.22 | 0.3 | <0.050 | 53 | 2,100 | <0.0030 |
| | 5/15/2012 | 830 | 23 | 710 | <0.22 | 0.26 | 0.1 | 85 | 610 | <0.0030 |
| | 8/7/2012 | 2,100 | 61 | 470 | <0.22 | 0.24 | 0.08 | 29 | 3,700 | <0.0030 |
| | 10/16/2012 | > 3,000 | 7 | 750 | <0.10 | 0.025 | <0.050 | 140 | <1.0 | <0.0030 |
| | 2/11/2013 | 3,500 | 19 | 570 | 0.25 | 0.14 | 0.15 | 88 | 43 | <0.0030 |
| | 5/14/2013 | 1,300 | <8.0 | 610 | 0.17 | 0.075 | 0.077 | 71 | 240 | <0.0030 |
| MW-35S | 5/6/2008 | > 5,700 | 2,100 | 570 | <0.04 | 1.8 | <0.011 | 13 | 3,900 | <0.0030 |
| | 7/23/2008 | <1 | 85 | 520 | <0.04 | 1.3 | <0.011 | <1.5 | 3,600 | <0.0030 |
| | 10/30/2008 | > 5,700 | 22.4 J | 568 | <0.04 | 2.9 | 0.16 | 20.6 | 12,000 | <0.0030 |
| | 1/15/2009 | 1,800 | 37.6 | 499 | <0.04 | 0.77 | 0.087 J | <1.5 | 20,000 | <0.0030 |
| | 4/8/2009 | 680 | 77.6 | 459 | <0.04 | 1.1 | 0.19 | 9.4 | 20,000 | <0.0030 |
| | 7/23/2009 | 50 | 114 | 466 | <0.04 | 1.4 | 0.25 | <1.5 | 17,000 | <0.0030 |
| | 11/12/2009 | 1,100 | 26.8 | 508 | <0.04 | 0.84 | <0.011 | 17.1 | 8,400 | <0.0030 |
| | 2/16/2010 | 680 | <4 | 460 | <0.04 | 0.24 | 0.075 | 0.87 | 17,000 | <0.0030 |
| | 4/22/2010 | 76 | 38 | 540 | <0.04 | 0.081 | 0.079 | <1.5 | 15,000 | <0.0030 |
| | 8/16/2011 | 170 | 35 | 570 | <0.04 | 0.15 | 0.11 | 4.6 | 13,000 | <0.0030 |
| | 12/9/2010 | 5,800 | 64 | 720 | <0.04 | 0.78 | 0.089 | 24 | 4,200 | <0.0030 |
| | 3/17/2011 | 580 | 39 | 430 | <0.04 | 0.11 | 0.098 | 2.7 | 9,200 | <0.0030 |
| | 5/26/2011 | 630 | 61 | 530 | <0.04 | 0.2 | 0.18 | <1.5 | 6,500 | <0.0030 |
| | 8/16/2011 | 440 | 48 | 550 | <0.04 | 0.4 | 0.15 | 3.6 | 12,000 | <0.0030 |
| | 11/9/2011 | > 57,000 | 76 | 400 | 0.22 | 0.17 | 0.14 | <1.5 | 5,900 | <0.0030 |
| | 2/23/2012 | 1,000 | 33 | 380 | <0.22 | 0.11 | 0.17 | <2.5 | 8,700 | <0.0030 |
| | 5/15/2012 | 540 | 30 | 390 | <0.22 | 0.21 | 0.23 | <2.5 | 14,000 | <0.0030 |
| | 8/7/2012 | <1.0 | 200 | 380 | <0.22 | 0.20 | 0.27 | <2.5 | 5,800 | <0.0030 |
| | 10/16/2012 | <1.0 | 60 | 400 | <0.10 | 0.28 | 0.18 | 30 | 6,500 | <0.0030 |
| | 2/11/2013 | 6,400 | 34 | 440 | <0.10 | 0.18 | 0.17 | <2.5 | 15,000 | <0.0030 |
| | 5/14/2013 | 10 | 60 | 430 | <0.10 | 0.21 | 0.23 | <2.5 | 15,000 | <0.0030 |

**LEGEND**

ug/L = micrograms per liter
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NCS: No Criteria Specified by NJDEP
**Bold** concentrations are above reporting limits but below criteria.
**Concentration exceeds NJGWQS**

FS= Well frozen.
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
D = Duplicate sample
L = Lower Grab Sample
U = Upper Grab Sample

**NOTES**

As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the implementation of Source Reductionon the L.E. Carpenter property effective 1Q05. Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

(1) Sulfate results reported through 4Q06, and starting again in 4Q08, have a dilution factor of 5, except for blank samples or unless otherwise noted.
Sulfate results reported from 1Q07 through 3Q08 have no dilution factor for sulfate unless noted otherwise.

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

(3) MW-19 area monitoring wells were abandoned in 4Q2009. Therefore, MW-19 area wells have not been sampled for MNA parameters since 1Q10.
MNA monitoring will continue following the installation of the USEPA approved post excavation monitoring well network.

# TABLE 4

Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-19R | 12/8/2010 | 7.02 | 1,144 | -28.2 | 0.09 | 9.35 | 13.34 | 15 | 180 | 17 |
| | 3/14/2011 | 6.91 | 993 | 0.5 | 2.56 | 9.94 | 6.99 | 0.2 | 120 | 14 |
| | 5/24/2011 | 6.77 | 1,900 | 82 | 2.25 | 6.21 | 12.57 | 0.2 | 200 | 40 |
| | 8/16/2011 | 7.18 | 1,440 | -53 | 0.62 | 9.5 | 16.86 | 2 | 130 | 35 |
| | 11/9/2011 | 6.76 | 900 | 116.7 | ERR | 3 | 15.23 | 0 | 200 | 40 |
| | 2/22/2012 | 7.00 | 1,290 | 29 | 3.79 | 5.4 | 9.2 | 0 | 180 | 20 |
| | 5/16/2012 | 6.52 | 1,020 | 96 | 1.02 | 1.5 | 15.48 | 2 | 180 | 20 |
| | 8/9/2012 | 6.57 | 1,370 | -42 | 1.39 | 1.3 | 18.93 | 6 | 120 | 50 |
| | 10/18/2012 | 6.67 | 1,330 | -40 | 6.02 | 0 | 17.45 | 5 | 100 | 40 |
| | 2/12/2013 | 6.61 | 1,340 | 158 | 2.46 | 3 | 9.24 | 0 | 100 | NM |
| | 5/15/2013 | 6.60 | 1,630 | 80 | 4.32 | 6.8 | 11.22 | 0 | 10 | 70 |
| MW-19-5R | 12/8/2010 | 6.84 | 976 | -98 | 0.1 | 9.7 | 14.06 | >20 | 250 | 17 |
| | 3/16/2011 | 6.66 | 1,018 | 55.1 | 0.16 | 4.59 | 8.83 | 15 | 180 | 30 |
| | 5/25/2011 | 6.47 | 1,322 | -54 | 2.02 | 7.6 | 11.89 | >20 | 250 | 70 |
| | 8/16/2011 | 7.25 | 1,414 | -112 | 0.45 | 9 | 16.71 | >20 | 300 | 70 |
| | 11/9/2011 | 6.72 | 789 | -82.4 | ERR | 4 | 15.24 | >20 | 300 | 50 |
| | 2/22/2012 | 6.96 | 1,080 | -82 | 1 | 3.5 | 10.38 | >20 | 110 | 30 |
| | 5/16/2012 | 6.55 | 1,180 | -58 | 0.65 | 1 | 15.15 | NM | 200 | 50 |
| | 8/9/2012 | 6.58 | 993 | -107 | 3.61 | 0 | 17.5 | 20 | 275 | 70 |
| | 10/18/2012 | 6.71 | 1,020 | -86 | 2.88 | 0 | 17.49 | 20 | 200 | 70 |
| | 2/14/2013 | 6.61 | 982 | -83 | 2.59 | 0 | 9.66 | 20 | 200 | 70 |
| | 5/15/2013 | 6.90 | 1,050 | -104 | 1.89 | 6 | 11.86 | 30 | 80 | 50 |
| MW-19-6R | 12/8/2010 | 6.99 | 768 | 19.8 | 1.5 | 8.83 | 14.06 | 1 | 130 | 11 |
| | 3/14/2011 | 6.72 | 2,000 | -32 | 0.22 | 7.85 | 9.63 | 2 | 160 | 20 |
| | 5/25/2011 | 6.62 | 1,302 | 1 | 3.86 | 9.5 | 11.33 | 1 | 130 | 20 |
| | 8/16/2011 | 7.13 | 1,365 | -29 | 1.24 | 2.97 | 17.52 | 1 | 140 | 25 |
| | 11/9/2011 | 6.91 | 534 | -29.6 | ERR | 9 | 14.78 | 1 | 120 | 20 |
| | 2/22/2012 | 6.72 | 630 | -8 | 5.28 | 3.1 | 10.54 | 3 | 160 | 20 |
| | 5/15/2012 | 6.16 | 1,300 | 114 | 1.17 | 2.1 | 13.66 | 1 | 350 | 25 |
| | 8/9/2012 | 6.31 | 1,230 | -34 | 2.12 | 0 | 18.1 | 3 | 190 | 50 |
| | 10/17/2012 | 6.58 | 1,080 | -36 | 0.36 | 5 | 17.78 | 4 | 150 | 45 |
| | 2/12/2013 | 6.33 | 1,720 | 42 | 5.92 | 0 | 10.53 | 3 | 150 | 100 |
| | 5/14/2013 | 6.20 | 2,870 | 18 | 2.36 | 0 | 12.61 | 3 | 70 | 35 |
| MW-19-7R | 12/8/2010 | 7.07 | 747 | -28.2 | 0.1 | 9.46 | 15.01 | 5 | 130 | 11 |
| | 3/14/2011 | 6.83 | 1,521 | 12.5 | 0.22 | 12 | 9.1 | 16 | 180 | 25 |
| | 5/25/2011 | 6.54 | 1,870 | -65 | 2.3 | 5.24 | 12.14 | 14 | 150 | 35 |
| | 8/16/2011 | 7.00 | 1,189 | -54 | 0.52 | 7.64 | 18.41 | 10 | 140 | 30 |
| | 11/9/2011 | 6.85 | 774 | -59.8 | 1.71 | 8 | 14.96 | 4 | 150 | 30 |
| | 2/22/2012 | 6.75 | 1,480 | -16 | 1.75 | 4.1 | 10.18 | 4 | 100 | 18 |
| | 5/16/2012 | 6.32 | 1,010 | 109 | 0.81 | 1 | 14.29 | 3 | 100 | 20 |
| | 8/9/2012 | 6.37 | 710 | -90 | 3.01 | 5.2 | 18.22 | 3 | 70 | 30 |
| | 10/17/2012 | 6.55 | 745 | -3 | 3.5 | 0.2 | 19.17 | 7 | 100 | 35 |
| | 2/12/2013 | 6.48 | 3,440 | 101 | 3.09 | 9.1 | 9.94 | 4 | 100 | 30 |
| | 5/15/2013 | 6.70 | 2,210 | -9 | 2.68 | 5.5 | 12.44 | 3 | 70 | 28 |
| MW-19-8 (Ross Street Well) | 6/16/2004 | 6.90 | 2,010 | -24 | 3.98 | 10 | 15.69 | NM | 125 | 30 |
| | 8/10/2004 | 7.52 | 1,093 | 48 | 0.4 | 7 | 18.29 | 2 | 100 | 19 |
| | 1/12/2005 (1) | 7.06 | 177 | 161 | 0.3 | 16 | 12.92 | 10 | 142 | 28 |
| | 4/11/2005 | 7.92 | 1,510 | NM | 0.8 | 47 | 10.82 | 6 | 70 | 19 |
| | 7/27/2005 | 7.07 | 1,820 | 147 | 0 | 2 | 18.86 | 3 | 80 | 19 |
| | 10/27/2005 | 6.10 | 1,460 | 330 | 6.74 | 5 | 17.19 | 3 | 85 | 20 |
| | 3/14/2011 | 6.87 | 2,162 | 80.1 | 3.36 | 8.13 | 8.59 | 0 | 130 | 14 |
| | 8/16/2011 | 6.94 | 704 | 156 | 2.46 | 4.45 | 21.11 | NM | NM | NM |
| | 11/9/2011 | 6.96 | 301 | 259.6 | 8.26 | 4.69 | 13.38 | NM | NM | NM |
| | 2/21/2012 | 7.28 | 519 | 228 | 7.56 | 2.2 | 7.67 | 0 | 20 | 10 |
| | 5/15/2012 | 6.67 | 489 | 125 | 6.48 | 4 | 14.66 | NM | NM | NM |
| | 8/9/2012 | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| | 10/16/2012 | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| | 2/12/2013 | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| | 5/15/2013 | NM | NM | NM | NM | NM | NM | NM | NM | NM |

**LEGEND**

(1) Laboratory analyzed for alkalinity due to destroyed field kits.
FS = Well Frozen
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
Sed = Sediment obscured color-indicator test for field parameters.
L Lower Grab Sample
U Upper Grab Sample
* Well was not stabalized due to insufficient purge volume.

**NOTES**

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

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

**TABLE 4**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-19-12 (Ross Street Well) | 6/21/2006 | 7.29 | 1,046 | -33 | 0.99 | 9 | 16.06 | 4 | 120 | 100 |
| | 9/12/2006 | 7.41 | 1,460 | 5 | 0.21 | 18 | 17.9 | 4 | 12 | 17 |
| | 2/6/2007 | 6.91 | 680 | -39.6 | 0.18 | 8 | 12.29 | 1.5 | 100 | 10 |
| | 6/26/2007 | 7.24 | 473 | 137 | 2 | 5 | 18.56 | 0 | 110 | 11 |
| | 9/11/2007 | 7.45 | 463 | 118 | 2 | 2 | 19.2 | 0 | 85 | 0 |
| | 12/4/2007 | 7.55 | 439 | 2.7 | 9 | 8.1 | 9.68 | 0 | 110 | <10 |
| | 2/19/2008 | 6.72 | 197.2 | 78.4 | 2 | 2 | 7.59 | 0 | 40 | <10 |
| | 5/6/2008 | 7.09 | 386 | 79 | 7.4 | 0.12 | 13.31 | 0 | 110 | <10 |
| | 7/22/2008 | 7.23 | 369 | 51 | 4.29 | 6 | 19.58 | 0 | 70 | 12 |
| | 10/28/2008 | 6.72 | 500 | 91 | 4.63 | 2 | 13.64 | 0.1 | 110 | 12 |
| | 1/13/2009 | 7.91 | 568 | 72 | 6.47 | 0.5 | 7.47 | 0.1 | 120 | <10 |
| | 4/7/2009 | 7.59 | 621 | 18 | 9.6 | 7.18 | 9.29 | 0 | 70 | 6 |
| | 7/21/2009 | 7.11 | 464 | 123 | 4.98 | 1 | 17.23 | 0 | 70 | 13 |
| | 11/10/2009 | 7.86 | 507 | 164 | 5.7 | 3 | 13.16 | 0 | 100 | 15 |
| | 2/15/2010 | 7.86 | 207 | 352 | 7.27 | 1 | 6.65 | 0 | 100 | 20 |
| | 4/20/2010 | 7.53 | 377 | 42.2 | 5.20 | 9.30 | 12.22 | NM | NM | NM |
| | 8/24/2010 | 6.81 | 423 | 151 | 5.17 | 8.00 | 18.90 | NM | NM | NM |
| | 12/7/2010 | 7.33 | 324 | -65.2 | 4.46 | 2.89 | 10.83 | 0 | 110 | <10 |
| | 3/14/2011 | 7.30 | 293 | 47.2 | 5.30 | 5.34 | 8.30 | 0 | 100 | 10 |
| | 5/24/2011 | 7.27 | 419 | 530 | 3.92 | 9.80 | 14.19 | 0 | 100 | 11 |
| | 8/16/2011 | 7.12 | 739 | 166 | 3.43 | 0.79 | 19.86 | 6 | 50 | 10 |
| | 11/8/2011 | 7.05 | 261 | 562.3 | 6.33 | 4.03 | 11.38 | 0 | 50 | 10 |
| | 2/21/2012 | 7.23 | 437 | 480 | 7.92 | 0.00 | 7.42 | 0 | 35 | 10 |
| | 5/15/2012 | 6.77 | 472 | 187 | 8.99 | 0.10 | 14.29 | 0 | 70 | 10 |
| | 8/8/2012 | 6.98 | 359 | 86 | 7.61 | 0.00 | 20.79 | 0 | 70 | 20 |
| | 10/17/2012 | 7.06 | 438 | 50 | 6.97 | 0.10 | 16.19 | 0 | NMW | 13 |
| | 2/12/2013 | 7.04 | 476 | 637 | 5.91 | 0.00 | 7.28 | 0 | 50 | 10 |
| | 5/14/2013 | 7.50 | 503 | 223 | 9.33 | 6.10 | 14.80 | 0 | 100 | <10 |
| MW-19-13 | 12/7/2010 | 6.96 | 704 | -36.7 | 0.11 | 44.70 | 14.74 | >20 | 160 | 18 |
| | 3/14/2011 | 6.31 | 734 | 45 | 1.44 | 190.00 | 9.21 | 10 | 40 | 45 |
| | 5/25/2011 | 6.49 | 976 | -59 | 0.14 | 41.90 | 12.48 | 10 | 150 | 40 |
| | 8/16/2011 | 7.04 | 977 | -100 | 0.08 | 12.20 | 16.08 | 16 | 180 | 50 |
| | 11/8/2011 | 6.68 | 798 | -51 | 0.74 | 9.00 | 15.29 | 20 | 200 | 50 |
| | 2/22/2012 | 6.77 | 930 | -65 | 6.26 | 9.10 | 10.39 | 16 | 180 | 25 |
| | 5/15/2012 | 6.38 | 935 | 80 | 1.00 | 6.70 | 12.92 | 20 | 160 | 30 |
| | 8/9/2012 | 6.46 | 891 | -102 | 5.88 | 7.50 | 17.33 | 18 | 250 | 120 |
| | 10/18/2012 | 6.62 | 955 | -82 | 2.33 | 0.00 | 17.81 | 12 | 250 | 120 |
| | 2/12/2013 | 6.67 | 877 | -101 | 4.59 | 18.30 | 10.86 | 20 | 70 | NM |
| | 5/15/2013 | 6.90 | 880 | -99 | 7.32 | 42.10 | 11.16 | 10 | 100 | 70 |
| MW-19-14 | 12/8/2010 | 6.79 | 1,054 | -5.5 | 0.14 | 3.83 | 12.37 | 4 | 200 | 18 |
| | 3/16/2011 | 6.92 | 944 | 33.4 | 3.41 | 8.03 | 7.37 | 0.2 | 190 | 15 |
| | 5/24/2011 | 6.82 | 1,810 | 126 | 2.35 | 8.90 | 12.25 | 0.1 | 160 | 18 |
| | 8/16/2011 | 7.05 | 1,830 | -53 | 1.23 | 7.46 | 17.84 | 3 | 250 | 30 |
| | 11/8/2011 | 6.87 | 930 | 50.8 | 6.45 | 4.00 | 14.78 | 0 | 160 | 35 |
| | 2/21/2012 | 7.10 | 1,240 | 40 | 1.12 | 9.50 | 8.61 | 0 | 100 | 35 |
| | 5/15/2012 | 6.59 | 1,320 | 127 | 1.92 | 9.50 | 12.46 | 1 | 100 | 16 |
| | 8/9/2012 | 6.88 | 1,500 | -44 | 6.79 | 18.10 | 18.18 | 1 | 250 | 24 |
| | 10/18/2012 | 6.51 | 1,320 | -14 | 6.07 | 0.00 | 17.85 | 2 | 200 | 20 |
| | 2/12/2013 | 6.61 | 1,200 | 106 | 3.63 | 10.60 | 8.56 | 0 | 100 | NM |
| | 5/14/2013 | 6.70 | 1,370 | 73 | 1.40 | 0.00 | 11.32 | 0 | 80 | 30 |

**LEGEND**

(1) Laboratory analyzed for alkalinity due to destroyed field kits.
FS = Well Frozen
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
Sed = Sediment obscured color-indicator test for field parameters.
L Lower Grab Sample
U Upper Grab Sample
* Well was not stabalized due to insufficient purge volume.

**NOTES**

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

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

# TABLE 4

Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-19-15 | 12/7/2010 | 6.94 | 647 | 57.8 | 1.10 | 47.00 | 14.45 | 0.2 | 160 | 13 |
| | 3/14/2011 | 6.58 | 1,606 | 92.5 | 3.73 | 15.20 | 8.64 | 0.2 | 150 | 11 |
| | 5/24/2011 | 6.40 | 1,202 | 26 | 1.52 | 15.10 | 12.81 | 2 | 100 | 30 |
| | 8/16/2011 | 6.78 | 1,287 | 11 | 1.18 | 27.00 | 17.06 | 0.6 | 100 | 35 |
| | 11/8/2011 | 6.41 | 896 | 96.7 | 5.21 | 9.00 | 15.34 | 0.2 | 50 | 30 |
| | 2/21/2012 | 6.98 | 854 | 115 | 4.61 | 78.00 | 10.91 | 0 | 50 | 14 |
| | 5/15/2012 | 6.41 | 864 | 133 | 1.94 | 12.80 | 13.24 | 0 | 70 | 18 |
| | 8/8/2012 | 6.47 | 843 | 74 | 5.99 | 5.80 | 17.13 | 0 | 100 | 35 |
| | 10/17/2012 | 6.49 | 871 | 146 | 3.41 | 0.00 | 16.25 | 0 | 100 | 40 |
| | 2/12/2013 | 6.70 | 1,110 | 208 | 3.59 | 1.10 | 11.24 | 0 | 70 | 30 |
| | 5/15/2013 | 7.10 | 1,140 | 135 | 7.69 | 55.60 | 12.01 | 0 | 100 | 10 |
| MW-19-16 | 12/7/2010 | 7.37 | 1,163 | 44.6 | 2.68 | 8.81 | 11.96 | 0.2 | 160 | 11 |
| | 3/14/2011 | 6.75 | 914 | 84.7 | 0.21 | 9.15 | 6.56 | 0.3 | 150 | 11 |
| | 5/24/2011 | 6.96 | 1,700 | 153 | 2.62 | 9.12 | 12.80 | 0 | 130 | 18 |
| | 8/16/2011 | 7.50 | 1,930 | 18 | 2.30 | 9.85 | 20.39 | 0.1 | 160 | 25 |
| | 11/8/2011 | 7.06 | 1,081 | 80.6 | 4.62 | 6.00 | 13.63 | 0 | 100 | 35 |
| | 2/21/2012 | 7.41 | 1,420 | 10 | 1.97 | 9.00 | 8.39 | 0.2 | 50 | 15 |
| | 5/15/2012 | 6.89 | 1,330 | 134 | 2.04 | 9.50 | 12.41 | 0.1 | 50 | 18 |
| | 8/9/2012 | 7.36 | 1,590 | 35 | 6.61 | 18.10 | 19.20 | 0 | 70 | 14 |
| | 10/18/2012 | 7.06 | 1,530 | 13 | 2.51 | 8.00 | 16.39 | 0 | 70 | 20 |
| | 2/12/2013 | 7.18 | 1,180 | 163 | 2.51 | 11.10 | 7.93 | 0 | 100 | 20 |
| | 5/15/2013 | 8.00 | 1,150 | 86 | 9.31 | 82.30 | 12.05 | 1 | 100 | 11 |
| MW-19-17 (Ross Street Well) | 12/8/2010 | 7.16 | 506 | 5.5 | 0.11 | 9.46 | 14.60 | 7 | 120 | <10 |
| | 3/14/2011 | 6.59 | 1,332 | -2.2 | 0.17 | 9.19 | 10.47 | 13 | 110 | 27 |
| | 5/24/2011 | 6.68 | 1,720 | 5 | 2.24 | 14.60 | 13.44 | 1 | 130 | 25 |
| | 8/16/2011 | 7.29 | 812 | -135 | 1.00 | 9.50 | 20.45 | 10 | 100 | 20 |
| | 11/8/2011 | 6.69 | 558 | -25.6 | 3.92 | 8.27 | 15.53 | 3 | 70 | 30 |
| | 2/21/2012 | 7.18 | 546 | -80 | 1.79 | 7.70 | 10.72 | 10 | 40 | 16 |
| | 5/15/2012 | 6.83 | 489 | 72 | 0.90 | 8.90 | 14.93 | 10 | 50 | 15 |
| | 8/8/2012 | 6.79 | 492 | -116 | 1.90 | 6.10 | 21.24 | 8 | 100 | 35 |
| | 10/17/2012 | 6.99 | 530 | -133 | 0.45 | 1.00 | 20.10 | 8 | 120 | 30 |
| | 2/14/2013 | 6.68 | 717 | -119 | 6.34 | 0.00 | 10.91 | 10 | 100 | 20 |
| | 5/14/2013 | 7.10 | 697 | -134 | 8.43 | 0.00 | 14.47 | 20 | 70 | 16 |
| MW-8 | 7/23/2008 | 7.04 | 571 | -162 | 0.06 | 20 | 15.63 | >20 | 260 | 30 |
| | 10/29/2008 | 6.99 | 175 | -51 | 0.23 | 70 | 12.91 | 14 | 40 | <100 |
| | 1/14/2009 | 8.08 | 607 | -198 | 0.1 | 52.3 | 9.19 | >10 | 125 | 30 |
| | 4/8/2009 (5) | 7.16 | 268 | 12.3 | 0.1 | 39 | 8.11 | >20 | 160 | 60 |
| | 7/21/2009 | 7.14 | 633 | -165.1 | 0.07 | 13 | 13.34 | >20 | 150 | 30 |
| | 11/11/2009 | 8.53 | 442 | -177 | 0.07 | 28 | 13.01 | >20 | 100 | 25 |
| | 2/15/2010 | 7.51 | 417 | -193 | 0.04 | 48.9 | 8.53 | >20 | 160 | 16 |
| | 4/20/2010 | 7.06 | 440 | -126.5 | 0.04 | 24.2 | 10.58 | >20 | 120 | 13 |
| | 8/24/2010 | 7.22 | 573 | -196 | 0.09 | 24.5 | 15.50 | >20 | 200 | 35 |
| | 12/7/2010 | 7.53 | 370 | -153 | 0.79 | 26.2 | 11.23 | 20 | 50 | 18 |
| | 3/14/2011 | 7.02 | 864 | -139 | 0.18 | 36.2 | 8.71 | 20 | 100 | 20 |
| | 5/24/2011 | 7.42 | 833 | -186 | 1.21 | 23.8 | 11.51 | >20 | 110 | 30 |
| | 8/16/2011 | 7.03 | 856 | -204 | 0 | 13.5 | 15.35 | <20 | 268 | 30 |
| | 11/8/2011 | 7.56 | 816 | -202 | 0.3 | 17.4 | 13.16 | 14 | 120 | 18 |
| | 2/21/2012 | 7.26 | 479 | -225 | 0.7 | 85.7 | 8.14 | NM | 100 | 18 |
| | 5/16/2012 | 7.05 | 483 | -196 | 3.47 | 14.7 | 12.39 | 20 | 180 | 100 |
| | 8/7/2012 | 6.81 | 431 | -231 | 1.17 | 0 | 16.40 | 20 | 70 | 40 |
| | 10/16/2012 | 6.76 | 457 | -100 | 6.5 | 1.9 | 14.61 | 20 | 50 | 50 |
| | 2/13/2013 | 6.67 | 346 | -112 | 3.98 | 40 | 8.03 | 20 | 70 | 40 |
| | 5/16/2013 | 6.90 | 489 | -114 | -3.93 | 29 | 10.64 | 20 | 90 | 90 |

**LEGEND**

(1) Laboratory analyzed for alkalinity due to destroyed field kits.
FS = Well Frozen
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
Sed = Sediment obscured color-indicator test for field parameters.
L Lower Grab Sample
U Upper Grab Sample
* Well was not stabalized due to insufficient purge volume.

**NOTES**

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

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

**TABLE 4**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-25R | 6/21/2006 | 6.77 | 620 | -102 | 0.47 | 9 | 14.74 | 3.5 | 75 | 17 |
| | 9/13/2006 | 5.57 | 572 | 90.1 | 0.97 | 229 | 15.67 | 5 | 160 | 350 |
| | 11/7/2006 | 7.14 | 517 | -41.2 | 0.25 | 24 | 11.33 | 1.5 | 90 | 100 |
| | 2/8/2007 | 6.80 | 636 | -100.4 | 1.8 | 55 | 7.15 | 3 | 100 | 150 |
| | 6/26/2007 | 6.69 | 453 | -65.8 | 0.35 | 123 | 14.38 | 3.5 | 40 | 20 |
| | 9/11/2007 | 6.98 | 355 | -75.3 | 1 | NM | 18.93 | 0.3 | 75 | 15 |
| | 12/6/2007 | 7.15 | 616 | 30 | 0.6 | 127 | 6.81 | 2 | 100 | 110 |
| | 2/19/2008 | 7.32 | 639 | -79 | 0.34 | 47.6 | 7.87 | 4.5 | 150 | 12.5 |
| | 5/6/2008 | 7.20 | 601 | -80 | 0.21 | 46 | 10.95 | 4.5 | 150 | 15 |
| | 7/22/2008 | 6.55 | 446 | -110.7 | 0.24 | 19.2 | 15.71 | 2.5 | 160 | 70 |
| | 10/29/2008 | 7.25 | 227 | 22.7 | 1.66 | 5.9 | 9.6 | 1 | 70 | <10 |
| | 1/15/2009 | 7.22 | 383 | 21.8 | 0.71 | 8 | 5.00 | 0.5 | 120 | <10 |
| | 4/7/2009 (5) | 7.11 | 376 | -40 | 0.58 | 8 | 6.48 | 2 | 70 | 7 |
| | 7/22/2009 | 6.77 | 604 | -64 | 0.15 | 19.3 | 15.93 | 3 | 150 | 20 |
| | 11/11/2009 | 8.11 | 726 | -44 | 0.82 | 121 | 10.94 | 2 | 70 | 20 |
| | 2/15/2010 | 7.08 | 455 | -46 | 3.1 | 45.4 | 3.32 | 2 | 90 | 25 |
| | 4/20/2010 | 6.98 | 515 | -56.2 | 1.29 | 117 | 11.04 | 2 | 50 | 11 |
| | 8/25/2010 | 7.00 | 666 | -48 | 1.62 | 32.5 | 17.07 | NS | NS | NS |
| | 12/9/2010 | 7.15 | 617 | -6 | 0.75 | 16 | 7.75 | 0.8 | 70 | 10 |
| | 3/14/2011 | 6.85 | 668 | -36 | 1.18 | 9.6 | 6.72 | 1 | 100 | <10 |
| | 5/24/2011 | 7.27 | 841 | -111 | 0.81 | 234 | 12.01 | 4 | 160 | 50 |
| | 8/16/2011 | 6.80 | 528 | 51 | 0 | <800 | 18.29 | 4 | 150 | 50 |
| | 11/8/2011 | 7.08 | 634 | -72 | 2.61 | 13.6 | 11.23 | 2 | 140 | 12 |
| | 2/22/2012 | 7.28 | 578 | -99 | 0.47 | 28.9 | 6.79 | 4 | 140 | 20 |
| | 5/15/2012 | 6.59 | 539 | -89 | 1.02 | 34.5 | 13.72 | 3 | 30 | 29 |
| | 8/7/2012 | 6.46 | 291 | -125 | 0.78 | 27.2 | 16.89 | 4 | 70 | 20 |
| | 10/15/2012 | 6.94 | 646 | -68 | 0.59 | 8.9 | 15.15 | 3 | 100 | 20 |
| | 2/13/2013 | 6.90 | 653 | -101 | 2.73 | 24 | 6.26 | 5 | 100 | 30 |
| | 5/15/2013 | 7.30 | 677 | -142 | 1.08 | 18.3 | 13.23 | 5 | 120 | 20 |
| MW-27S | 6/22/2006 * | 7.74 | 933 | 183 | 1.66 | >1000 | 16.65 | 0 | 80 | <10 |
| | 9/11/2006 | 7.72 | 1,437 | 45 | 0.54 | 247 | 19.44 | 0 | 200 | 14 |
| | 11/7/2006 | 7.59 | 1,275 | 134 | 2.36 | >1000 | 16.39 | 0 | <10 | 20 |
| | 2/7/2007 | 7.15 | 1,078 | -10.8 | 4 | >1000 | 8.31 | Sed | Sed | Sed |
| | 6/26/2007 | 7.09 | 765 | 105.6 | 8.29 | >1000 | 15.23 | Sed | Sed | Sed |
| | 9/11/2007 | 7.24 | 1,017 | 27 | 0.4 | >1000 | 17.58 | Sed | Sed | Sed |
| | 12/4/2007 | 7.16 | 1,002 | 165 | 1 | 997 | 11.34 | Sed | Sed | Sed |
| | 2/19/2008 | 7.15 | 612.7 | 71.5 | 1 | 186 | 8.41 | Sed | Sed | Sed |
| | 5/7/2008 | 7.18 | 735 | 111.1 | 1 | 81.1 | 11.43 | 0 | 22.5 | 85 |
| | 7/23/2008 | 6.21 | 861 | 46 | 3.21 | 184 | 17.09 | 0.8 | 225 | 135 |
| | 10/30/2008 | 6.99 | 626 | 34.4 | 2.63 | 47.2 | 13.67 | NMW | NMW | NMW |
| | 1/14/2009 | 7.35 | 522 | 51.3 | 1.12 | 1000 | 10.67 | 0.1 | 200 | 20 |
| | 4/8/2009 | 8.20 | 486 | -71 | 1.55 | 62 | 9.08 | 0.6 | 150 | 15 |
| | 7/21/2009 | 7.59 | 675 | 15 | 0.61 | 24.8 | 15.29 | 1 | 250 | 20 |
| | 11/10/2009 | 8.31 | 1,180 | -5 | 5.12 | 108 | 15.93 | NM | NM | NM |
| | 2/14/2010 | 7.82 | 705 | -84.5 | 3.04 | 107 | 9.37 | 0.3 | 200 | 20 |
| | 4/20/2010 | 7.41 | 669 | -29.6 | 0.89 | 92 | 10.28 | 0.4 | 70 | 12 |
| | 8/24/2010 | 6.81 | 1,147 | -43 | 0.54 | >1000 | 15.98 | 0.5 | 70 | 20 |
| | 12/8/2010 | 7.44 | 1,091 | -40 | 2.8 | 349 | 13.53 | NMW | NMW | NMW |
| | 3/14/2011 | 6.82 | 568 | 57.5 | 2.21 | NM | 8.52 | 0.1 | 150 | 18 |
| | 5/25/2011 | 7.81 | 948 | -66 | 4.07 | 12.5 | 13.06 | 0 | 150 | 10 |
| | 8/16/2011 | 6.83 | 1,030 | -65 | 0.32 | 144 | 16.66 | 0.6 | 160 | 18 |
| | 11/8/2011 | 7.03 | 919 | -58 | 1.46 | 17.6 | 16.18 | 0.04 | 200 | 20 |
| | 2/23/2012 | 7.43 | 978 | -56 | 2.5 | 31.2 | 10.81 | NMW | NMW | NMW |
| | 5/16/2012 | 6.72 | 955 | -14 | 2.66 | 300 | 13.02 | NM | NM | NM |
| | 8/9/2012 | 6.64 | 969 | -91 | 1.55 | 8.1 | 17.23 | 9 | 70 | 40 |
| | 10/17/2012 | 6.78 | 1,120 | 8 | 3.48 | 9.9 | 14.68 | NMW | NMW | NMW |
| | 2/10/2013 | 6.89 | 1,210 | 71 | 0.31 | 18.3 | 5.01 | NMW | NMW | NMW |
| | 5/14/2013 | 8.00 | 810 | -124 | 2.28 | 982 | 11.27 | 0 | 100 | 12 |

**LEGEND**

(1) Laboratory analyzed for alkalinity due to destroyed field kits.
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NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
Sed = Sediment obscured color-indicator test for field parameters.
L Lower Grab Sample
U Upper Grab Sample
* Well was not stabalized due to insufficient purge volume.

**NOTES**

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Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

# TABLE 4

Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-28S | 6/21/2006 | 7.69 | 687 | -478 | 0.11 | 12 | 14.38 | >10 | 82 | 37 |
| | 9/13/2006 | 5.96 | 831 | -101.8 | 0.27 | 14 | 17.69 | >20 | 180 | 90 |
| | 11/7/2006 | 7.22 | 684 | -146.8 | 0.04 | 20 | 15.27 | >20 | 200 | 55 |
| | 2/7/2007 | 6.74 | 650 | -176.2 | 2.1 | 12 | 9.75 | >20 | 160 | 22 |
| | 6/27/2007 | 7.01 | 568 | -138.3 | 0.48 | 36 | 15.36 | >20 | 180 | 35 |
| | 9/12/2007 | 7.10 | 576 | -132.1 | 0.1 | 9.6 | 16.99 | >20 | 180 | 50 |
| | 12/6/2007 | 6.86 | 634 | -120.4 | 0.2 | 7.03 | 11.97 | >20 | 170 | 22 |
| | 2/20/2008 | 7.30 | 492 | -169 | 0.11 | 11.3 | 9.22 | 15 | 130 | 20 |
| | 5/7/2008 | 6.57 | 508 | -52.4 | 0.19 | 9.13 | 12.25 | >10 | 140 | 35 |
| | 7/23/2008 | 6.91 | 390 | -65.1 | 0.29 | 9.54 | 15.33 | >20 | 200 | 35 |
| | 10/29/2008 | 6.80 | 494 | -92 | 1 | 339 | 16.5 | NM | NM | NM |
| | 1/15/2009 | 6.94 | 395 | -81.5 | 0.05 | 7.96 | 13.88 | >20 | 170 | <100 |
| | 4/8/2009 | 7.59 | 466 | -15.3 | 0.18 | 9.86 | 9.63 | >20 | 115 | 22 |
| | 7/22/2009 | 6.75 | 392 | -76.6 | 0.06 | 9 | 9.26 | >20 | 150 | 40 |
| | 11/12/2009 | 6.93 | 899 | -114.2 | 0.06 | 9.66 | 14.81 | >20 | 160 | 40 |
| | 2/16/2010 | 8.52 | 830 | -143 | 0.4 | 6 | 13.25 | >20 | 70 | 20 |
| | 2/16/2010D | 7.00 | 502 | -132.9 | 0.09 | 9.6 | 8.71 | 20 | 35 | 16 |
| | 4/21/2010 | 6.99 | 324 | -109.4 | 0.06 | 9.6 | 11.41 | 14 | 100 | 13 |
| | 8/25/2010 | 7.18 | 658 | -153 | 0.07 | 9 | 15.50 | >20 | 100 | 18 |
| | 12/8/2010 | 7.21 | 821 | -149 | 1.26 | 9.1 | 12.43 | 20 | 100 | 25 |
| | 3/15/2011 | 6.94 | 778 | -136 | 0.11 | 9.8 | 9.26 | >20 | 70 | 30 |
| | 5/25/2011 | 7.18 | 510 | -206 | 2.11 | 5.6 | 12.88 | 12 | 110 | 20 |
| | 8/16/2011 | 6.90 | 809 | -142 | 0 | 164 | 15.99 | 14 | 130 | 25 |
| | 11/9/2011 | 7.23 | 468 | -133 | 0.42 | 3.2 | 13.80 | 8 | 130 | 25 |
| | 2/22/2012 | 7.02 | 535 | -132 | 1.27 | 12.1 | 9.23 | 16 | 160 | 19 |
| | 5/16/2012 | 6.97 | 560 | -161 | 1.09 | 23.4 | 15.47 | 10 | 100 | 40 |
| | 8/7/2012 | 6.82 | 667 | -116 | 2.48 | 51.4 | 18.37 | 9 | 70 | 40 |
| | 10/16/2012 | 6.97 | 339 | -144 | 3.27 | 2.1 | 14.81 | 18 | 11 | 14 |
| | 2/13/2013 | 7.00 | 790 | -124 | 2.5 | 1 | 8.98 | 18 | 70 | 25 |
| | 5/16/2013 | 7.00 | 841 | -138 | 2.97 | 1.2 | 12.00 | 16 | 150 | 35 |
| MW-28I | 6/22/2006 | 7.88 | 756 | -126 | 0.23 | 8 | 15 | >10 | 135 | 28 |
| | 9/13/2006 | 7.59 | 649 | -98 | 0.51 | 14 | 16.42 | 18 | 90 | 27 |
| | 11/7/2006 | 7.37 | 598 | -146.7 | 0.04 | 13 | 14.82 | >20 | 150 | 25 |
| | 2/7/2007 | 6.80 | 686 | -173.3 | 0.2 | 4.9 | 10.7 | >20 | 140 | 23 |
| | 6/27/2007 | 7.07 | 507 | -170 | 0.18 | 17 | 14.9 | >20 | 145 | 24 |
| | 9/12/2007 | 7.15 | 536 | -104.7 | 0.1 | 5.7 | 16.19 | >20 | 170 | 30 |
| | 12/6/2007 | 6.59 | 677 | -58.2 | 0.26 | 7.44 | 11.96 | >20 | 160 | 20 |
| | 2/20/2008 | 6.81 | 400.2 | -100.2 | 0.01 | 6 | 10.31 | 12 | 135 | 20 |
| | 5/7/2008 | 6.65 | 593 | -4.8 | 0.2 | 7.75 | 12.99 | >10 | 170 | 35 |
| | 7/23/2008 | 7.34 | 530 | -136 | 0.21 | 10 | 14.94 | >20 | 170 | 23 |
| | 10/29/2008 | 7.28 | 442 | -68 | 0.04 | 8.81 | 14.23 | >20 | 160 | <100 |
| | 1/15/2009 | 7.07 | 548 | -34 | 0.13 | 7.67 | 11.19 | >20 | 150 | 25 |
| | 4/8/2009 (5) | 6.35 | 407 | -29.1 | 0.05 | 20 | 9.97 | >20 | 100 | 60 |
| | 7/22/2009 | 7.88 | 1,007 | -96 | 0.52 | 4 | 13.70 | 20 | 50 | 50 |
| | 11/12/2009 | 8.43 | 828 | -146 | 0.13 | 26 | 13.21 | 20 | 70 | 18 |
| | 2/16/2010 | 7.07 | 664 | 145.2 | 0.08 | 7.87 | 10.00 | 16 | 30 | 15 |
| | 4/21/2010 | 7.02 | 372 | -112.1 | 0.06 | 9.8 | 12.06 | 12 | 70 | 14 |
| | 8/25/2010 | 7.25 | 681 | -149 | 0.08 | 9.5 | 14.38 | 16 | 100 | 20 |
| | 12/8/2010 | 7.23 | 849 | -151 | 1.53 | 7.38 | 12.79 | >20 | 130 | 25 |
| | 3/14/2011 | 6.96 | 793 | -134 | 0.18 | 9.17 | 10.53 | >20 | 140 | 16 |
| | 5/25/2011 | 7.32 | 528 | -206 | 0.44 | 6.8 | 13.65 | 9 | 120 | 20 |
| | 8/16/2011 | 7.30 | 960 | -163 | 0 | 28.2 | 15.67 | 12 | 150 | 25 |
| | 11/8/2011 | 7.36 | 564 | -154 | 1.12 | 0.5 | 13.39 | 9 | 120 | 18 |
| | 2/22/2012 | 7.05 | 682 | -140 | 1.3 | 8.6 | 10.56 | 20 | 150 | 20 |
| | 5/16/2012 | 6.84 | 598 | -110 | 6.18 | 33.4 | 16.41 | 12 | 90 | 40 |
| | 8/8/2012 | 6.90 | 625 | -147 | 0.7 | 10.1 | 17.98 | 3 | 40 | 70 |
| | 10/16/2012 | 6.92 | 656 | -122 | 4.14 | 6.9 | 14.20 | 8 | 11.5 | 20 |
| | 2/13/2013 | 7.06 | 713 | -133 | 2.36 | 1.2 | 10.26 | 14 | 50 | 18 |
| | 5/16/2013 | 7.00 | 730 | -136 | 3.12 | 4.4 | 11.81 | 12 | 160 | 25 |

**LEGEND**

(1) Laboratory analyzed for alkalinity due to destroyed field kits.
FS = Well Frozen
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
Sed = Sediment obscured color-indicator test for field parameters.
L Lower Grab Sample
U Upper Grab Sample
* Well was not stabalized due to insufficient purge volume.

**NOTES**

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

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

**TABLE 4**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-29S | 6/22/2006 | 7.32 | 1,021 | -32 | 3.63 | 68 | 18.45 | >10 | 260 | 95 |
| | 9/14/2006 | 6.73 | 1,090 | -109.8 | 0.36 | 10 | 20.63 | 18 | 310 | 80 |
| | 11/9/2006 | 6.85 | 775 | -97.9 | 0.05 | 11 | 17.04 | >10 | 350 | 65 |
| | 2/7/2007 | 6.53 | 902 | -163.9 | 0.7 | 5.6 | 8.77 | 18 | 240 | 30 |
| | 6/27/2007 | 6.71 | 766 | -113.8 | 4.03 | 31 | 18.48 | >10 | 225 | 25 |
| | 9/11/2007 | 6.66 | 881 | -13.9 | 0.7 | 9.84 | 21.12 | >20 | 325 | 100 |
| | 12/5/2007 | 7.12 | 960 | -35 | 0.2 | 8 | 13.51 | >20 | 285 | 75 |
| | 2/19/2008 | 7.02 | 1,027 | -94 | 0.21 | 9.92 | 7.87 | >10 | 290 | 22 |
| | 5/7/2008 | 6.89 | 935 | 31.2 | 0.27 | 5.9 | 12.22 | >20 | 250 | 70 |
| | 7/22/2008 | 6.61 | 456 | -79.7 | 0.08 | 8.09 | 20.04 | >10 | 300 | 130 |
| | 10/29/2008 | 6.91 | 798 | -127 | 0.09 | 6 | 17.6 | >20 | 250 | 36 |
| | 1/15/2009 | 6.72 | 564 | 62.8 | 1.14 | 6.78 | 9.00 | 20 | 200 | 50 |
| | 4/7/2009 | 7.09 | 578 | -89.7 | 0.05 | 8 | 9.13 | >20 | 350 | 70 |
| | 7/21/2009 | 6.47 | 922 | -115.1 | 0.07 | 9.51 | 17.91 | >20 | 250 | 80 |
| | 11/11/2009 | 7.85 | 837 | -99 | 0.21 | 4 | 16.00 | >20 | 220 | 90 |
| | 2/15/2010 | 7.08 | 596 | -74 | 0.1 | 7.3 | 7.50 | NM | 70 | 35 |
| | 4/20/2010 | 6.70 | 728 | -98.5 | 0.11 | 8.33 | 10.64 | >20 | 100 | 50 |
| | 8/24/2010 | 6.69 | 1,008 | -156 | 0.12 | 9.8 | 18.57 | >20 | 100 | 35 |
| | 12/7/2010 | 7.15 | 935 | -129 | 0.12 | 3.1 | 12.40 | 10 | 100 | 25 |
| | 3/14/2011 | 6.65 | 912 | -94 | 0.36 | 8.8 | 5.45 | 10 | 50 | 25 |
| | 5/24/2011 | 6.77 | 1,090 | -129 | 1.01 | 1.1 | 13.42 | 18 | 100 | 35 |
| | 8/16/2011 | 6.46 | 848 | -131 | 0 | 15.7 | 19.16 | 16 | 250 | 80 |
| | 11/8/2011 | 6.63 | 799 | -74 | 0.87 | 4.1 | 14.79 | 19 | 200 | 70 |
| | 2/21/2012 | 6.59 | 771 | -85 | 6.1 | 90.9 | 8.13 | 10 | 200 | 40 |
| | 5/16/2012 | 6.63 | 936 | -36 | 0.75 | 4.1 | 14.68 | 20 | 250 | 50 |
| | 8/7/2012 | 6.33 | 888 | -131 | 0.74 | 0 | 18.42 | 14 | 90 | 70 |
| | 10/17/2012 | 6.86 | 1,000 | -117 | 1 | 4.8 | 16.99 | 14 | 16 | 32 |
| | 2/13/2013 | 6.78 | 1,030 | -110 | 2.07 | 0 | 8.09 | 20 | 100 | 100 |
| | 5/16/2013 | 6.70 | 921 | -99 | 8.95 | 0 | 12.12 | 20 | 100 | 70 |
| MW-30S (abandoned) | 6/21/2006 | 6.76 | 672 | -180 | 0.14 | 34 | 16.81 | >10 | 78 | 14 |
| | 9/13/2006 | 5.66 | 704 | 73.1 | 0.39 | 155 | 18.9 | 18 | 60 | 250 |
| | 11/9/2006 | 7.09 | 627 | -146.1 | 0.01 | 94 | 13.46 | >20 | 200 | 60 |
| | 2/7/2007 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 6/26/2007 | 6.99 | 458 | -159.4 | 0.34 | 213 | 18.55 | >20 | 225 | 40 |
| | 9/12/2007 | 7.05 | 696 | -128.7 | 0.3 | 100 | 19.15 | >20 | 230 | 37 |
| | 12/6/2007 | 7.45 | 871 | -50 | 0.8 | 67 | 7.74 | >20 | 200 | 43 |
| | 2/20/2008 | 7.32 | 825 | -158 | 0.12 | 113 | 4.85 | >20 | Sed | Sed |
| | 5/8/2008 | 7.49 | 484 | -47.6 | 0.2 | 9.42 | 11.43 | 18 | 160 | 22.5 |
| | 7/22/2008 | 6.93 | 378 | -128.1 | 0.03 | 11.2 | 19.06 | >10 | 200 | 70 |
| | 10/29/2008 | 6.66 | 468 | -2.3 | 0.05 | 9.65 | 12.93 | >20 | 50 | 20 |
| | 1/15/2009 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/8/2009 | 6.94 | 956 | -238 | 0.17 | 9.47 | 7.67 | 20 | 80 | 40 |
| | 7/22/2009 | 6.93 | 724 | -118.2 | 0.06 | 9.5 | 18.26 | >20 | 225 | 50 |
| | 11/11/2009 | 8.57 | 906 | -151 | 0.14 | 9 | 12.18 | >20 | 70 | 25 |
| | 2/15/2010 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/21/2010 | 6.92 | 633 | -91.1 | 1.45 | 18 | 10.23 | >20 | 100 | 30 |
| | 8/24/2010 | 7.00 | 866 | -149 | 0.1 | 24.9 | 17.85 | >20 | 100 | 25 |
| | 12/8/2010 | 7.19 | 854 | -140 | 0.85 | 8.35 | 8.89 | 12 | 70 | 20 |
| | 3/16/2011 | 7.17 | 599 | -81.3 | 0.08 | 9.71 | 7.8 | 13 | 180 | 30 |
| | 5/24/2011 | 7.38 | 916 | -185 | 0.56 | 40.2 | 14.82 | 18 | 180 | 35 |
| | 8/16/2011 | 6.99 | 783 | -162 | 0 | 54.6 | 19.18 | 7 | 160 | 35 |
| | 11/8/2011 | 7.09 | 567 | -141 | 0.31 | 10 | 13.54 | 8 | 160 | 20 |
| MW-30S(R) | 2/22/2012 | 7.06 | 647 | -157 | 0.57 | 11.8 | 7.3 | 12 | 150 | 19 |
| | 5/16/2012 | 7.01 | 726 | -165 | 5.79 | 9.6 | 13.39 | 10 | 100 | 40 |
| | 8/7/2012 | 6.77 | 760 | -163 | 1.3 | 8.1 | 18.88 | 16 | 200 | 35 |
| | 10/17/2012 | 7.05 | 858 | -149 | 1.65 | 1.9 | 14.26 | 12 | 11 | 14 |
| | 2/12/2013 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 5/15/2013 | NS | NS | NS | NS | NS | NS | NS | NS | NS |

**LEGEND**

[1] Laboratory analyzed for alkalinity due to destroyed field kits.
FS = Well Frozen
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
Sed = Sediment obscured color-indicator test for field parameters.
[L] Lower Grab Sample
[U] Upper Grab Sample
* Well was not stabalized due to insufficient purge volume.

**NOTES**

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

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

**TABLE 4**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-30I | 6/21/2006 | 7.70 | 687 | -194 | 0.33 | 8 | 15.22 | 5.5 | 75 | 19 |
| | 9/13/2006 | 7.52 | 777 | -63 | 0.43 | 9 | 17.13 | 18 | 180 | 32 |
| | 11/8/2006 | 7.16 | 827 | -144.2 | 0.2 | 42 | 14.2 | >10 | >1000 | 45 |
| | 2/7/2007 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 6/26/2007 | 6.99 | 486 | -146.8 | 0.33 | 41 | 15.23 | >20 | 145 | 25 |
| | 9/12/2007 | 7.08 | 661 | -19.8 | 0.4 | NM | 17.07 | >20 | 200 | 29 |
| | 12/6/2007 | 7.39 | 889 | -15 | 1 | 136 | 8.28 | >20 | 200 | 24 |
| | 2/19/2008 | 6.70 | 784 | -149 | 0.13 | 9.98 | 8.55 | >20 | 150 | 18 |
| | 5/7/2008 | 7.29 | 581 | -142 | 0.08 | 21 | 12.28 | 16 | 140 | 26 |
| | 7/22/2008 | 73.11 | 552 | -136 | 0.04 | 8.56 | 16.62 | >10 | 180 | 50 |
| | 10/29/2008 | 7.43 | 715 | -133 | 0.3 | 6 | 13.57 | >20 | 165 | 27 |
| | 1/15/2009 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/8/2009 | 6.73 | 930 | -222 | 0.32 | 5.7 | 8.75 | 20 | 50 | 32 |
| | 7/23/2009 | 7.06 | 682 | -143.2 | 0.05 | 9.62 | 15.86 | 18 | 180 | 50 |
| | 11/11/2009 | 8.46 | 878 | -148 | 0.1 | 20 | 12.95 | 14 | 100 | 18 |
| | 2/15/2010 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/21/2010 | 7.06 | 605 | -120.9 | 0.07 | 7.31 | 9.61 | 14 | 70 | 22 |
| | 8/24/2010 | 7.10 | 806 | -160 | 0.33 | 21 | 15.55 | 16 | 70 | 20 |
| | 12/7/2010 | 7.49 | 893 | -140 | 1.08 | 9.8 | 10.82 | 14 | 70 | 16 |
| | 3/16/2011 | 7.19 | 620 | -12 | 0.1 | 7.88 | 9.18 | 15 | 140 | 25 |
| | 5/25/2011 | 6.99 | 846 | -176 | 0.88 | 42.7 | 12.93 | 12 | 150 | 35 |
| | 8/16/2011 | 6.88 | 781 | -153 | 0.28 | 85.4 | 16.85 | 12 | 160 | 25 |
| | 11/8/2011 | 7.18 | 585 | -143 | 0.29 | 11.3 | 13.82 | 12 | 70 | 19 |
| | 2/22/2012 | 6.89 | 648 | -166 | 0.52 | 7.9 | 8.5 | 9 | 12 | 18 |
| | 5/17/2012 | 7.02 | 717 | -114 | 5.42 | 1.3 | 13.23 | 10 | 140 | 20 |
| | 8/8/2012 | 6.93 | 747 | -174 | 0.95 | 5.7 | 18.29 | 14 | 180 | 35 |
| | 10/17/2012 | 7.12 | 864 | -120 | 4.2 | 0 | 14.29 | 16 | 100 | 30 |
| | 2/13/2013 | 6.84 | 830 | -180 | 6.22 | 1 | 8.66 | 10 | 100 | 30 |
| | 5/16/2013 | 7.30 | 790 | -170 | 0.68 | 0 | 12.19 | 8 | 100 | 30 |
| MW-30D | 6/21/2006 | 5.35 | 449 | -131 | 0.3 | 10 | 14.45 | 2 | 100 | 30 |
| | 9/14/2006 | 7.00 | 458 | -44 | 2.49 | 15 | 15.07 | 2.5 | 70 | 70 |
| | 11/8/2006 | 7.29 | 637 | -99 | 0.18 | 33 | 13.39 | 5 | 130 | 17 |
| | 6/26/2007 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 9/12/2007 | 7.03 | 340 | -95.7 | 0.38 | 69 | 14.51 | 3.5 | 115 | 12 |
| | 12/4/2007 | 7.24 | 401 | 22.6 | 0.8 | NM | 14.73 | 3 | 130 | 13 |
| | 12/4/2007 | 7.05 | 500 | 128 | 0.1 | 80 | 10.02 | 0.4 | 100 | <10 |
| | 2/19/2008 | 6.80 | 487 | 1 | 0.45 | 16.3 | 9.19 | 1.5 | 130 | <10 |
| | 5/7/2008 | 7.24 | 504 | -62 | 0.32 | 18 | 12.87 | 2 | 125 | 14 |
| | 7/22/2008 | 7.30 | 328 | -112.3 | 0.2 | 9.41 | 15.26 | 2.5 | 115 | 14 |
| | 10/29/2008 | 7.48 | 532 | -114 | 0.19 | 12 | 12.59 | 6 | 125 | 13 |
| | 1/15/2009 | FS | FS | FS | FS | FS | FS | FS | FS | FS |
| | 4/8/2009 | 7.03 | 608 | -197 | 0.18 | 14 | 10.87 | 3 | 80 | 13 |
| | 7/21/2009 | 7.19 | 450 | -110 | 0.22 | 14.5 | 13.79 | 2 | 130 | 13 |
| | 11/11/2009 | 8.68 | 635 | -119 | 0.18 | 9 | 12.61 | 2 | 50 | 11 |
| | 2/15/2010 | 7.25 | 508 | -87 | 0.2 | 9.2 | 10.25 | 2 | 150 | 11 |
| | 4/21/2010 | 7.17 | 377 | -56.3 | 0.24 | 23.2 | 10.87 | 2 | 40 | 10 |
| | 8/24/2010 | 7.41 | 492 | -65 | 7.8 | 51 | 13.2 | 1 | 40 | 20 |
| | 12/7/2010 | 7.69 | 758 | -89 | 6.18 | 7.27 | 12.2 | 3 | 50 | 12 |
| | 3/16/2011 | 5.48 | 584 | 108 | 0.25 | 8.71 | 11.9 | 2 | 100 | 50 |
| | 5/25/2011 | 7.33 | 540 | -53 | 8.11 | 31.2 | 12.79 | 0.4 | 110 | 12 |
| | 8/16/2011 | 6.75 | 637 | -56 | 7.89 | 70.2 | 15.19 | 2 | 180 | 14 |
| | 11/9/2011 | 7.50 | 455 | -34 | 8.91 | 6.3 | 13.22 | 0.6 | 120 | <10 |
| | 2/22/2012 | 6.75 | 605 | -95 | 0.81 | 11.2 | 9.5 | 1 | 160 | 12 |
| | 5/17/2012 | 6.98 | 585 | 67 | 6.42 | 6 | 12.37 | 3 | 140 | 15 |
| | 8/8/2012 | 7.14 | 509 | -102 | 4.66 | 9.4 | 15.73 | 1.2 | 110 | 13 |
| | 10/16/2012 | 7.76 | 581 | -128 | 3.82 | 10.2 | 13.63 | 4 | 30 | 12 |
| | 2/13/2013 | 7.02 | 528 | -116 | 6.79 | 10 | 11.19 | 0 | 20 | 10 |
| | 5/16/2013 | 7.60 | 525 | -99 | 5.98 | 2.5 | 12.34 | 2 | 90 | 13 |

**LEGEND**

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NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
Sed = Sediment obscured color-indicator test for field parameters.
L Lower Grab Sample
U Upper Grab Sample
* Well was not stabalized due to insufficient purge volume.

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Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

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Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-31S | 5/8/2008 | 12.47 | 1,499 | -192 | 0.51 | >1,000 | 15.74 | 1 | 225 | 0 |
| | 7/23/2008 | 6.54 | 2,130 | -27 | 0.97 | 381 | 21.79 | 4.5 | 1000 | 400 |
| | 10/30/2008 | 8.13 | 488 | 34.7 | 0.16 | 7.64 | 12.99 | NMW | NMW | NMW |
| | 1/14/2009 | 10.98 | 567 | 71 | 0.43 | 15 | 5.45 | 0.1 | 200 | 0 |
| | 4/9/2009 | 8.68 | 540 | -127.6 | 0.16 | 28 | 6.61 | 0.4 | 225 | 18 |
| | 7/23/2009 | 10.67 | 795 | -144.1 | 0.24 | 6.22 | 18.68 | 0.5 | 170 | NMW |
| | 11/12/2009 | 9.03 | 1,019 | -72 | 0.54 | 37 | 13.41 | >20 | 100 | NMW |
| | 2/16/2010 | 11.57 | 670 | -148 | 2.26 | 79.4 | 4.42 | 0 | 140 | 0 |
| | 4/22/2010 | 11.26 | 905 | -116.6 | 1.65 | 3.98 | 10.38 | 0 | 200 | 0 |
| | 8/25/2010 | 8.86 | 900 | -272 | 0.38 | >1,000 | 18.80 | NMW | NMW | NMW |
| | 12/9/2010 | 7.46 | 959 | 13.7 | 0.65 | 3.91 | 9.10 | 6 | 125 | 16 |
| | 3/17/2011 | 9.48 | 497 | 32 | 0.37 | 2.77 | 5.37 | 7 | 90 | 0 |
| | 5/26/2011 | 9.70 | 922 | -211 | 3 | 15.2 | 12.43 | 0.2 | 140 | 0 |
| | 8/16/2011 | 7.04 | 1,070 | -133 | 0 | 6.9 | 19.35 | 0 | 150 | >100 |
| | 11/9/2011 * | 11.05 | 1,040 | -237 | 1.51 | 2.8 | 13.81 | 0 | 130 | >100 |
| | 2/23/2012 | 11.46 | 1,060 | -246 | 1.07 | 0 | 5.00 | 0 | 130 | 0 |
| | 5/14/2012 | 9.45 | 700 | -199 | 0.85 | 12.9 | 13.16 | NM | NM | NM |
| | 8/7/2012 | 9.87 | 665 | -148 | 1.23 | 0.3 | 21.32 | 0 | 70 | 0 |
| | 10/16/2012 | 7.71 | 1,280 | -171 | 0.29 | 3.2 | 16.46 | 0 | 70 | 0 |
| | 2/10/2013 | 6.69 | 1,190 | -100 | 2.01 | 3.1 | 4.11 | 0 | 20 | 80 |
| | 5/14/2013 | 9.50 | 698 | -189 | 5.67 | 32 | 10.62 | 0 | 100 | <10 |
| MW-32S | 5/8/2008 | 6.90 | 1,105 | -86 | 0.33 | 109 | 12.11 | NMW | NMW | NMW |
| | 7/23/2008 | 6.47 | 1,169 | -149.6 | 0.07 | 15.9 | 22.56 | NMW | NMW | NMW |
| | 10/30/2008 | 6.68 | 799 | -20.4 | 0.41 | 14 | 14.72 | NMW | NMW | NMW |
| | 1/15/2009 | 6.94 | 665 | 42.1 | 0.32 | 8 | 5.60 | NMW | NMW | NMW |
| | 4/8/2009 | 6.61 | 659 | -132.8 | 0.29 | 12 | 6.62 | >20 | 250 | 80 |
| | 7/23/2009 | 6.63 | 952 | -111.4 | 0.19 | 5.17 | 18.70 | >20 | 500 | 100 |
| | 11/12/2009 | 7.77 | 1,276 | -53 | 0.3 | 169 | 13.04 | NMW | NMW | NMW |
| | 2/16/2010 | 6.68 | 687 | -82 | 0.45 | 10.3 | 3.89 | >20 | 200 | 30 |
| | 4/22/2010 | 6.64 | 825 | -106.0 | 0.27 | 5.38 | 10.50 | >20 | 200 | 30 |
| | 8/25/2010 | 6.37 | 974 | -134.0 | 0.56 | 221 | 19.23 | NMW | NMW | NMW |
| | 12/9/2010 | 6.99 | 837 | -85.7 | 0.32 | 17.7 | 8.63 | >20 | 225 | 35 |
| | 3/17/2011 | 6.92 | 734 | 8.6 | 0.45 | 8.4 | 5.30 | >20 | 250 | 35 |
| | 5/25/2011 | 6.77 | 1,230 | -153.0 | 3.23 | 12.2 | 12.92 | 12 | 350 | 70 |
| | 8/16/2011 | 6.60 | 1,190 | -144.0 | 0 | 45.5 | 19.58 | 7 | 250 | 50 |
| | 11/9/2011 | 6.26 | 792 | -24.0 | 0.98 | 2.6 | 13.16 | 12 | 400 | 70 |
| | 2/23/2012 | 6.81 | 1,240 | -100.0 | 1.35 | 21 | 4.83 | 20 | 400 | 100 |
| | 5/14/2012 | 6.88 | 1,030 | -84.0 | 0.67 | 17.1 | 14.40 | NM | NM | NM |
| | 8/7/2012 | 6.71 | 979 | -99.0 | 1.37 | 4.8 | 22.28 | NM | NM | NM |
| | 10/16/2012 | 6.82 | 1,180 | -109.0 | 2.09 | 35.1 | 17.60 | 7 | 100 | 100 |
| | 2/10/2013 | 6.88 | 1,200 | -69.0 | 5.61 | 10.1 | 3.01 | 12 | 70 | 100 |
| | 5/14/2013 | 6.70 | 948 | -90.0 | 1.78 | 18.2 | 11.81 | 20 | 70 | 50 |

**LEGEND**

(1) Laboratory analyzed for alkalinity due to destroyed field kits.
FS = Well Frozen
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Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

**TABLE 4**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-33S | 5/8/2008 | 7.29 | 650 | -74 | 0.77 | 682 | 12.98 | 18 | 180 | 70 |
| | 7/23/2008 | 6.06 | 616 | NM | 2.55 | 148 | 26.4 | >20 | 310 | 200 |
| | 10/30/2008 | 6.44 | 607 | 5.7 | 0.21 | 14 | 13.1 | NMW | NMW | NMW |
| | 1/15/2009 | 5.20 | 567 | 168.5 | 0.37 | 38 | 5.29 | >20 | 225 | 60 |
| | 4/9/2009 | 6.79 | 577 | -39.4 | 0.61 | 38.6 | 5.86 | >20 | 350 | 80 |
| | 7/23/2009 | 6.56 | 1,226 | -82.7 | 0.18 | 16.9 | 17.63 | >20 | 500 | 150 |
| | 11/12/2009 | 7.79 | 1,381 | -46 | 2.96 | 314 | 14.13 | >20 | 400 | 35 |
| | 2/16/2010 | 6.79 | 776 | -96.7 | 0.93 | 52.3 | 4.20 | >20 | 300 | 25 |
| | 4/22/2010 | 6.69 | 1,055 | -82.1 | 3.19 | 32.9 | 9.50 | >20 | 300 | 50 |
| | 8/25/2010 | 6.36 | 910 | -80 | 0.16 | 30.9 | 18.66 | NMW | NMW | NMW |
| | 12/9/2010 | 7.01 | 735 | 86.5 | 0.95 | 33.6 | 9.29 | 10 | 250 | 30 |
| | 3/17/2011 | 7.04 | 609 | 13.8 | 1.01 | 28.1 | 5.28 | 9 | 225 | 35 |
| | 5/26/2011 | 6.98 | 1,130 | -121 | 2.44 | 29.7 | 11.97 | 16 | 350 | 70 |
| | 8/16/2011 | 6.64 | 1,330 | -84 | 0 | 59.8 | 18.31 | 18 | 300 | 50 |
| | 11/9/2011 | 6.69 | 623 | -31 | 1.23 | 17.8 | 13.09 | 16 | 350 | 70 |
| | 2/23/2012 | 7.30 | 761 | -70 | 2.24 | 10.2 | 4.94 | 12 | 150 | 100 |
| | 5/14/2012 | 6.60 | 877 | -75 | 0.69 | 19.2 | 14.50 | NM | NM | NM |
| | 8/7/2012 | 6.16 | 608 | -50 | 1.97 | 36.5 | 20.69 | 20 | 100 | 120 |
| | 10/16/2012 | 6.32 | 785 | -58 | 0.8 | 7.6 | 17.09 | 20 | 100 | 110 |
| | 2/10/2013 | 6.73 | 803 | -39 | 4.29 | 4.1 | 3.21 | 12 | 70 | 100 |
| | 5/14/2013 | 6.70 | 792 | -89 | 9.21 | 0 | 10.98 | 20 | 100 | 100 |
| MW-34S | 5/6/2008 | 7.01 | 794 | -111 | 0.51 | 7 | 14.84 | NMW | NMW | NMW |
| | 7/23/2008 | 6.40 | 1,240 | -136.3 | 0.15 | 12.1 | 20.19 | NMW | NMW | NMW |
| | 10/30/2008 | 6.62 | 686 | 50.7 | 0.48 | 13.5 | 14.83 | NMW | NMW | NMW |
| | 1/15/2009 | 7.33 | 557 | 23.9 | 0.27 | 9 | 5.90 | NMW | NMW | NMW |
| | 4/8/2009 | 7.32 | 488 | -82.5 | 0.44 | 10 | 6.57 | 8 | 300 | 30 |
| | 7/23/2009 | 6.51 | 761 | -89 | 0.36 | 6.08 | 17.40 | NMW | NMW | NMW |
| | 11/12/2009 | 7.66 | 966 | -30 | 2.72 | 31 | 13.15 | NMW | NMW | NMW |
| | 2/16/2010 | 6.74 | 500 | -58 | 0.53 | 13.1 | 4.31 | 20 | 70 | 20 |
| | 4/22/2010 | 6.58 | 576 | -74.5 | 0.39 | 26.7 | 9.57 | >20 | 250 | 35 |
| | 8/25/2010 | 6.16 | 701 | -70 | 1.00 | 32.7 | 18.57 | NMW | NMW | NMW |
| | 12/9/2010 | 6.87 | 672 | -6.4 | 0.42 | 5.38 | 8.97 | 0.2 | 120 | 16 |
| | 3/17/2011 | 6.64 | 522 | 13.2 | 0.86 | 4.87 | 5.43 | 0.1 | 160 | 16 |
| | 5/26/2011 | 6.76 | 957 | -131 | 3.20 | 1 | 12.35 | 7 | 300 | 50 |
| | 8/16/2011 | 6.58 | 970 | -99 | 0.00 | 26.3 | 19.59 | 4.5 | 250 | 40 |
| | 11/9/2011 | 6.31 | 638 | -32 | 1.40 | 157 | 13.14 | 9 | 400 | 35 |
| | 2/23/2012 | 6.80 | 1,102 | -94 | 1.39 | 0 | 4.80 | 12 | 350 | 40 |
| | 5/14/2012 | 6.60 | 1,070 | -79 | 0.94 | 5.8 | 13.89 | NM | NM | NM |
| | 8/7/2012 | 6.56 | 759 | -56 | 0.99 | 0 | 23.83 | 20 | 50 | 100 |
| | 10/16/2012 | 6.56 | 909 | -65 | 3.44 | 3.2 | 17.71 | 3 | 100 | 100 |
| | 2/10/2013 | 6.66 | 1,010 | -39 | 4.99 | 4.5 | 3.20 | 1 | 100 | 70 |
| | 5/14/2013 | 6.70 | 895 | -90 | 232.00 | 0 | 11.61 | 0 | 35 | 25 |

**LEGEND**

(1) Laboratory analyzed for alkalinity due to destroyed field kits.
FS = Well Frozen
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
Sed = Sediment obscured color-indicator test for field parameters.
L Lower Grab Sample
U Upper Grab Sample
* Well was not stabalized due to insufficient purge volume.

**NOTES**

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

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

**TABLE 4**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring - MNA Field Data

| Analytical Parameters | | pH | Conductivity | ORP | Dissolved Oxygen | Turbidity | Temperature | Ferrous Iron | Alkalinity | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S.U. | uS/cm | mV | mg/L | NTU | °C | ppm | ppm | mg/L |
| MW-35S | 5/6/2008 | 6.78 | 917 | -56 | 0.37 | >1,000 | 11.51 | >20 | 310 | 70 |
| | 7/23/2008 | 6.35 | 736 | -55 | 1.5 | 65 | 19.23 | >20 | 260 | 50 |
| | 10/30/2008 | 6.87 | 848 | -30.2 | 1.35 | 38.5 | 14.18 | NMW | NMW | NMW |
| | 1/15/2009 | 7.28 | 607 | 3.3 | 0.15 | 59 | 5.81 | >20 | 225 | 30 |
| | 4/8/2009 | 7.36 | 683 | -121.9 | 0.21 | 53 | 6.40 | >20 | 300 | 30 |
| | 7/23/2009 | 6.65 | 896 | -108.2 | 0.2 | 22.2 | 17.49 | >20 | 275 | 80 |
| | 11/12/2009 | 8.14 | 1,109 | -56 | 3.69 | 29 | 13.15 | >20 | 350 | 30 |
| | 2/16/2010 | 6.72 | 556 | -72 | 0.4 | 141 | 4.09 | >20 | 200 | 25 |
| | 4/22/2010 | 6.48 | 710 | -59.5 | 0.24 | 46.5 | 10.45 | >20 | 250 | 30 |
| | 8/16/2011 | 6.51 | 1,006 | -93 | 0.22 | 840 | 18.58 | NMW | NMW | NMW |
| | 12/9/2010 | 6.85 | 557 | -59.8 | 0.37 | 27.1 | 8.72 | >20 | 200 | 22 |
| | 3/17/2011 | 6.71 | 542 | 15.3 | 0.73 | 11.4 | 5.71 | >20 | 160 | 25 |
| | 5/26/2011 | 6.58 | 1,050 | -61 | 3.9 | 30.4 | 12.91 | >20 | 160 | 50 |
| | 8/16/2011 | 6.60 | 1,060 | -93 | 0 | 66.1 | 19.29 | >20 | 180 | 50 |
| | 11/9/2011 | 6.65 | 503 | -42 | 1.03 | 24.5 | 12.91 | 16 | 160 | 25 |
| | 2/23/2012 | 6.71 | 785 | -100 | 1.45 | 28.1 | 5.12 | 20 | 180 | 40 |
| | 5/14/2012 | 6.62 | 849 | -114 | 0.79 | 78.1 | 14.02 | NM | NM | NM |
| | 8/7/2012 | 6.35 | 860 | -90 | 1.46 | 14.3 | 21.62 | 11 | 70 | 65 |
| | 10/16/2012 | 6.36 | 890 | -93 | 1.49 | 15.5 | 21.3 | 20 | 70 | 40 |
| | 2/10/2013 | 6.36 | 840 | -29 | 5.29 | 6.4 | 4 | 15 | 100 | 40 |
| | 5/14/2013 | 6.80 | 849 | -98 | 1.68 | 18.3 | 11.68 | 20 | 60 | 50 |
| GEI-2S | 12/4/2007 | 6.47 | 586 | -29.8 | 0.6 | 15 | 15.28 | 0 | 150 | 30 |
| | 5/7/2008 | 6.29 | 669 | 118.4 | 3.71 | 7.5 | 9.97 | 0 | 50 | 17 |
| | 7/22/2008 | 6.73 | 1,054 | 69 | 1.69 | 10 | 13.45 | 0.6 | 175 | 25 |
| | 10/29/2008 | 6.70 | 313 | 42.4 | 0.92 | 7.42 | 12.19 | 0.1 | 140 | 12 |
| | 1/15/2009 | 7.40 | 898 | 67 | 2.78 | 9.5 | 10.45 | 0.1 | 150 | 27 |
| | 4/8/2009 | 6.83 | 535 | -13 | 3.95 | 5.32 | 8.97 | 0 | 60 | 16 |
| | 7/21/2009 | NMW | NMW | NMW | NMW | NMW | NMW | NMW | NMW | NMW |

**LEGEND**

(1) Laboratory analyzed for alkalinity due to destroyed field kits.
FS = Well Frozen
NS = Not Sampled
NMW = Not Measured due to insufficient purge volume.
Sed = Sediment obscured color-indicator test for field parameters.
L Lower Grab Sample
U Upper Grab Sample
* Well was not stabalized due to insufficient purge volume.

**NOTES**

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

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

# TABLE 5

Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4][6] | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-D-1 | 4/8/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 7/26/2005 | <0.2 | <0.2 | **0.5 J** | <0.6 | <1.0 |
| | 10/26/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 2/27/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **2.0 J** |
| | 6/19/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 9/11/2006 | <0.2 | <0.2 | **0.2 J** | <0.6 | **11 J** |
| | 11/9/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 2/7/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **7.3** |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | **4.9** | <1.2 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.3 |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **12** |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **2.0 J** |
| | 7/21/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **1.0 J** |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **1.0 J** |
| | 2/13/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **51** |
| | 4/19/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **15** |
| | 9/9/2010 [5] | <0.5 | <0.5 | <0.5 | <1.5 | **NS** |
| | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **1.1** |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.99 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **5.9** |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 11/7/2011 D | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <0.95 |
| | 5/14/2012 [7] | <0.50 | <0.50 | <0.50 | <1.5 | **3.4** |
| | 8/10/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.0** |
| | 2/11/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

**TABLE 5**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [(4)(6)] | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-D-2 | 4/8/2005 | NS | NS | NS | NS | NS |
| | 7/26/2005 | <0.2 | **0.5 J** | <0.2 | **6.1** | **38** |
| | 10/26/2005 | <0.2 | **0.6 J** | <0.2 | **2.0 J** | <1.0 |
| | 2/27/2006 | <0.2 | **0.8 J** | <0.2 | **2.7 J** | **27** |
| | 6/19/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **1.0 J** |
| | 6/19/2006 [D] | <0.2 | <0.2 | <0.2 | <0.6 | **2.0 J** |
| | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **2.0 J** |
| | 11/9/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **1.0 J** |
| | 2/7/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **11** |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **3.0** |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **1.5** |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | **4.4** | <1.1 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | **7.1** |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | **13** |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **230** |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **1.0 J** |
| | 4/6/2009 [D] | <0.9 | <0.8 | <0.8 | <0.9 | **1.0 J** |
| | 7/21/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **4.0 J** |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **2.0 J** |
| | 11/10/2009 [D] | <0.9 | <0.8 | <0.8 | <0.9 | **5.0 J** |
| | 2/13/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **18** |
| | 4/19/2010 | <0.5 | **0.75** | <0.5 | **1.6** | <0.95 |
| | 4/19/2010 [D] | <0.5 | **0.78** | <0.5 | **1.7** | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **23** |
| | 9/9/2010 [(5)] | <0.5 | <0.5 | <0.5 | <1.5 | NS |
| | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **3.6** |
| | 12/7/2010 [D] | <0.5 | <0.5 | <0.5 | <1.5 | **5.0** |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **1.8** |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 5/23/2011 [D] | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **8.2** |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <0.95 |
| | 2/23/2012 [D] | <0.50 | <0.50 | <0.50 | <1.5 | <0.97 |
| | 5/14/2012 [(7)] | <0.50 | <0.50 | <0.50 | <1.5 | **1.1** |
| | 5/14/2012 [D] | <0.50 | <0.50 | <0.50 | <1.5 | **3.4** |
| | 8/10/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 8/10/2012 [D] | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 10/14/2012 [D] | <0.50 | <0.50 | <0.50 | <1.5 | **2.3** |
| | 2/11/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **3.6** |
| | 2/11/2013 [D] | <0.50 | <0.50 | <0.50 | <1.5 | **3.0** |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

**TABLE 5**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [(4)(6)] | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-D-3 | 4/8/2005 | <0.2 | **21** | <0.2 | **79** | **2.0 J** |
| | 7/26/2005 | <0.2 | <0.2 | <0.2 | **1.1 J** | **7.0 J** |
| | 10/26/2005 | <0.2 | **0.4 J** | <0.2 | **1.4 J** | <1.0 |
| | 2/27/2006 | <0.2 | **1.1** | <0.2 | **3.9** | **6.0 J** |
| | 6/19/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **3.0 J** |
| | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **1.0 J** |
| | 9/11/2006 [D] | <0.2 | <0.2 | <0.2 | <0.6 | **3.0 J** |
| | 11/9/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 2/7/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **3.3** |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **1.6** |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | **3.8** | <1.0 |
| | 2/18/2008 [D] | <1.0 | <1.0 | <5.0 | **3.8** | <1.0 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **14** |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 7/21/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **1.0 J** |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 2/13/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **3.0** |
| | 4/19/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **2.3** |
| | 9/9/2010 [(5)] | <0.5 | <0.5 | <0.5 | <1.5 | **NS** |
| | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **1.3** |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **1.0** |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **5.4** |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <0.98 |
| | 5/14/2012 [(7)] | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 8/10/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **3.2** |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 2/11/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

**TABLE 5**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [(4)(6)] | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-D-4 | 6/20/2006 | <0.2 | <0.2 | **0.4 J** | <0.6 | **3.0 J** |
| | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **2.0 J** |
| | 11/9/2006 | <0.2 | **0.4 J** | <0.2 | **0.6 J** | <0.9 |
| | 2/7/2007 | <1.0 | **2.0** | <5.0 | **3.8** | **3.3** |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **1.0** |
| | 12/4/2007 | <1.0 | **1.4** | <5.0 | <3.0 | <1.0 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | **4.1** | <1.1 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | **9.2** |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 1/12/2009 | <0.9 | **21** | <0.8 | **20** | **29** |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **2.0 J** |
| | 7/20/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **2.0 J** |
| | 7/20/2009 [D] | <0.9 | <0.8 | <0.8 | <0.9 | **2.0 J** |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **1.0 J** |
| | 2/13/2010 | <0.5 | **0.96** | <0.5 | <1.5 | **150** |
| | 2/13/2010 [D] | <0.5 | **0.91** | <0.5 | <1.5 | **43** |
| | 4/19/2010 | <0.5 | **15** | <0.5 | **48** | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **24** |
| | 8/23/2010 [D] | <0.5 | <0.5 | <0.5 | <1.5 | **17** |
| | 9/9/2010 [(5)] | <0.5 | <0.5 | <0.5 | <1.5 | **NS** |
| | 9/9/2010 [D (5)] | <0.5 | <0.5 | <0.5 | <1.5 | **NS** |
| | 12/6/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **1.9** |
| | 3/14/2011 | <0.5 | **2.0** | <0.5 | **4.4** | <0.98 |
| | 3/14/2011 [D] | <0.5 | **2.1** | <0.5 | **4.6** | <0.95 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **1.1** |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | **9.1** |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **5.5** |
| | 5/14/2012 [(7)] | <0.50 | <0.50 | <0.50 | <1.5 | **3.7** |
| | 8/10/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **2.8** |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.1** |
| | 2/11/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

# TABLE 5

Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [4][6] | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-D-5 | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **10 J** |
| | 11/6/2006 | <0.2 | **0.2 J** | <0.2 | **0.8 J** | <0.9 |
| | 2/7/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **3.4** |
| | 12/3/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 12/3/2007 [D] | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | **4.0 J** |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | **2.0 J** |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 7/20/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 2/13/2010 | <0.5 | **0.59** | <0.5 | <1.5 | <0.94 |
| | 4/19/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | **4.6** |
| | 9/9/2010 [5] | <0.5 | <0.5 | <0.5 | <1.5 | **NS** |
| | 12/6/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <0.96 |
| | 5/14/2012 [7] | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 8/10/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **5.6** |
| | 2/10/2013 | <0.50 | <0.50 | <0.50 | <1.5 | **2.2** |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

**TABLE 5**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| Analytical Parameters | | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| Units | | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii (4)(6) | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| DRC-2 | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 11/6/2006 | <0.2 | **0.5 J** | <0.2 | **1.9 J** | <0.9 |
| | 2/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 12/3/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 7/20/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 2/13/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 4/19/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.98 |
| | 9/9/2010 (5) | <0.5 | <0.5 | <0.5 | <1.5 | **NS** |
| | 12/6/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <0.95 |
| | 5/14/2012 (7) | <0.50 | <0.50 | <0.50 | <1.5 | **1.1** |
| | 8/7/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 2/10/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

**TABLE 5**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii (4)(6) | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-R-1 | 4/20/2005 (1) | <0.2 | **17** | **0.8 J** | **99** | **2.0 J** |
| | 7/25/2005 | <0.2 | <0.2 | <0.2 | <0.6 | **1.0 J** |
| | 10/27/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 2/27/2006 | <0.2 | **0.3 J** | <0.2 | **1.4 J** | <0.9 |
| | 6/19/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 11/6/2006 | <0.2 | **0.2 J** | <0.2 | **1.1 J** | <1.0 |
| | 2/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **1.3** |
| | 12/3/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 5/5/2008 | <1.0 | **1.2** | <5.0 | **5.9** | <1.2 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 7/20/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 2/13/2010 | <0.5 | **0.55** | <0.5 | **2.8** | <0.95 |
| | 4/19/2010 | <0.5 | **0.64** | <0.5 | **2.5** | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 9/9/2010 (5) | <0.5 | <0.5 | <0.5 | <1.5 | **NS** |
| | 12/6/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | **0.73** | <0.50 | **4.6** | <0.95 |
| | 5/14/2012 (7) | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 8/7/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.7** |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.1** |
| | 2/10/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

**TABLE 5**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [(4)(6)] | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-R-2 | 4/20/2005 | NS | NS | NS | NS | NS |
| | 7/25/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 10/27/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 2/27/2006 | <0.2 | **0.5 J** | <0.2 | **2.3 J** | <1.0 |
| | 6/19/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 11/6/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 11/6/2006 [D] | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 2/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **1.7** |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 7/20/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 2/13/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 4/19/2010 | <0.5 | **0.5** | <0.5 | **2.0** | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 9/9/2010 [(5)] | <0.5 | <0.5 | <0.5 | <1.5 | NS |
| | 12/6/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.96 |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **2.5** |
| | 5/14/2012 [(7)] | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 8/7/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **2.5** |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.8** |
| | 2/10/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

**TABLE 5**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii (4)(6) | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-R-3 | 4/20/2005 | NS | NS | NS | NS | NS |
| | 7/25/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 2/27/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 6/19/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | **2.0 J** |
| | 11/6/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 2/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **3.0** |
| | 6/25/2007 D | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **3.9** |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 5/5/2008 D | <1.0 | <1.0 | <5.0 | <3.0 | <1.2 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | **150** |
| | 7/21/2008 | NS | NS | NS | NS | **26** |
| | 8/15/2008 (2) | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 8/15/2008 (3) | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 10/27/2008 D | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 1/12/2009 D | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 7/20/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 2/13/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 4/19/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 9/9/2010 (5) | <0.5 | <0.5 | <0.5 | <1.5 | NS |
| | 12/6/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.6** |
| | 5/14/2012 (7) | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 8/7/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **3.3** |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 2/10/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

**TABLE 5**
Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii [(4)(6)] | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-R-4 | 4/20/2005 | NS | NS | NS | NS | NS |
| | 7/25/2005 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 2/27/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 6/19/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 11/6/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 2/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | **19** |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 7/21/2008 [D] | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 7/20/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 2/13/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 4/19/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 9/9/2010 [(5)] | <0.5 | <0.5 | <0.5 | <1.5 | NS |
| | 12/6/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <0.95 |
| | 5/14/2012 [(7)] | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 8/10/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 2/10/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

# TABLE 5

Dayco Corporation / L.E. Carpenter Superfund Site
Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring - BTEX and DEHP Data

| | Analytical Parameters | Benzene | Ethylbenzene | Toluene | Total Xylenes | bis-2-Ethylhexyl-phthalate (DEHP) |
|---|---|---|---|---|---|---|
| | Units | ug/L | ug/L | ug/L | ug/L | ug/L |
| APPLICABLE BACKGROUND CONCENTRATION (SW-R-6). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii (4)(6) | | 0.5 | 0.5 | 0.5 | 1.5 | 0.95 |
| SW-R-6 | 2/27/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 6/19/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <1.0 |
| | 9/11/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 11/6/2006 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 2/6/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 6/25/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 9/10/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 12/4/2007 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 2/18/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 5/5/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.1 |
| | 7/21/2008 | <1.0 | <1.0 | <5.0 | <3.0 | <1.0 |
| | 10/27/2008 | <0.2 | <0.2 | <0.2 | <0.6 | <0.9 |
| | 1/12/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <1.0 |
| | 4/6/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 7/20/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 11/10/2009 | <0.9 | <0.8 | <0.8 | <0.9 | <0.9 |
| | 2/13/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 4/19/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/23/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.99 |
| | 9/9/2010 (5) | <0.5 | <0.5 | <0.5 | <1.5 | **NS** |
| | 12/7/2010 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 3/14/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 5/23/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 8/16/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 11/7/2011 | <0.5 | <0.5 | <0.5 | <1.5 | <0.95 |
| | 2/23/2012 | <0.50 | <0.50 | <0.50 | <1.5 | <0.98 |
| | 5/14/2012 (7) | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 8/10/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **1.9** |
| | 10/14/2012 | <0.50 | <0.50 | <0.50 | <1.5 | **4.2** |
| | 10/14/2012 (8) | -- | -- | -- | -- | <1.0 |
| | 2/10/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |
| | 5/13/2013 | <0.50 | <0.50 | <0.50 | <1.5 | <1.0 |

**LEGEND**

ug/L = micrograms per liter
FS = Sample Frozen in Transit
NS = Not Sampled
D = Duplicate sample
**Bold** concentrations are above reporting limits but below criteria.

**Concentration exceeds NJGWQS**

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.
(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)
J: Estimated value between PQL and MDL
MDL: Method Detection Limit
PQL: Practical Quantitation Limit

**NOTES**

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

(1) One surface water sample was collected near the edge of the river immediately adjacent to the location of absorbent booms that were placed in order to prevent any migration into the river of sheen observed on top of quiescent water ponded within the wetland area. Due to bottle mislabeling and laboratory error, each of the five river sample bottles (R-1 through R-5) were analyzed individually instead of as a whole set. The highest concentration detected in any of the five laboratory results for the river sample are listed under SW-R-1 for April 2005.

(2) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample aliquot was split between two labs. These results are from Environmental Science Corporation (ESC).

(3) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample aliquot was split between two labs. These results are from Lancaster Laboratories.

(4) Per NJDEP request, along with a change in laboratories, the detection limits for site COCs were lowered.

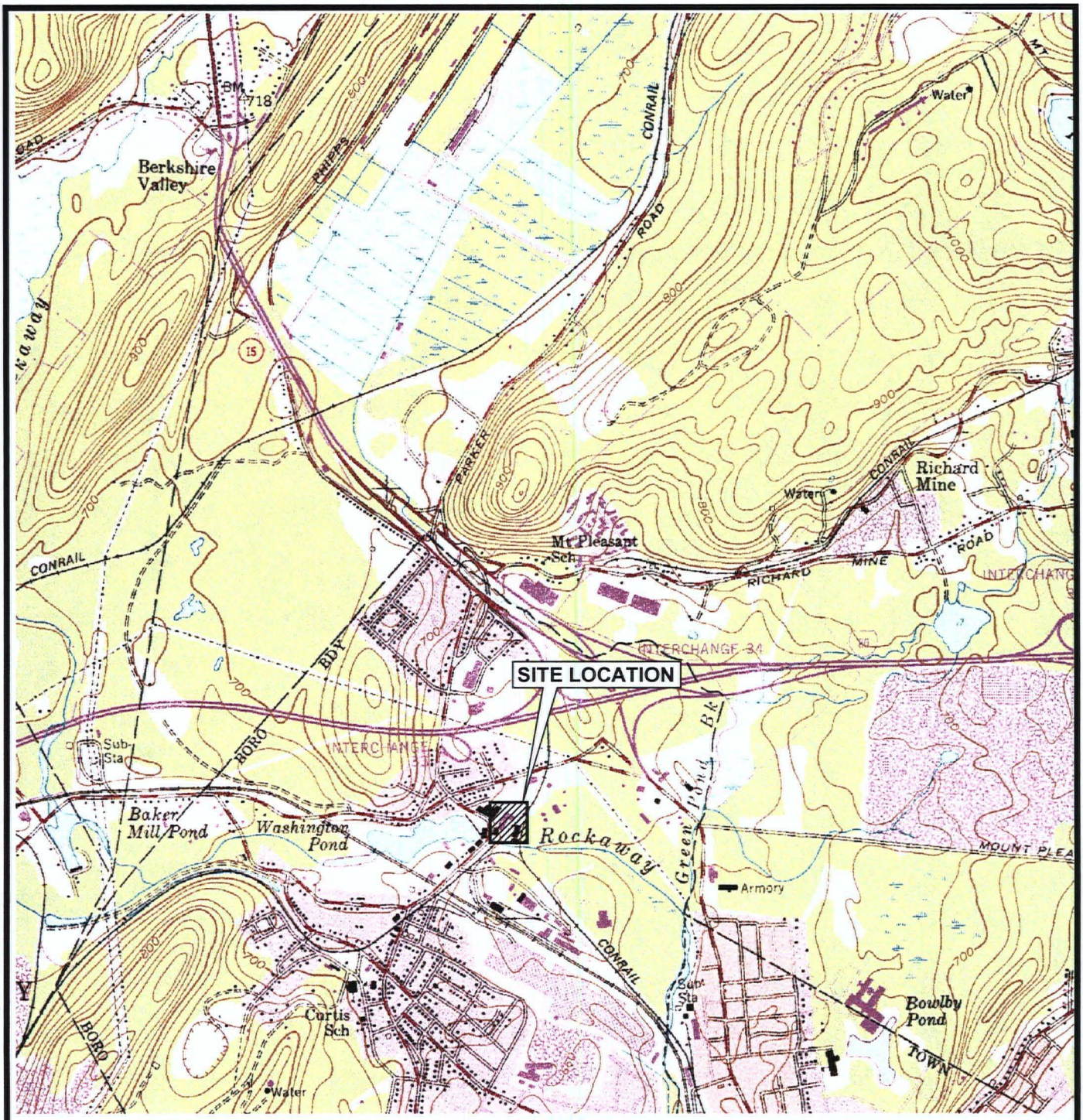
(5) Due to laboratory error, original BTEX samples were analyzed outside the holding time. Surface water locations were resampled and analyzed within the appropriate holding times.

(6) New Jersey Department of Environmental Protection Surface Water Quality Standards (NJSWQS) from NJAC 7:9B as amended April 4, 2011.

(7) Reanalyzation for DEHP. DEHP was detected in a field blank during 2Q12, affecting DRC-02.

(8) Reanalyzation for DEHP. DEHP was detected in background surface water sample SW-R-6.

# 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.

TRC
2025 Beltline Ave. SE, Suite 412
Grand Rapids, MI 49546
Phone: 616.975.5415
Fax: 616.975.1098

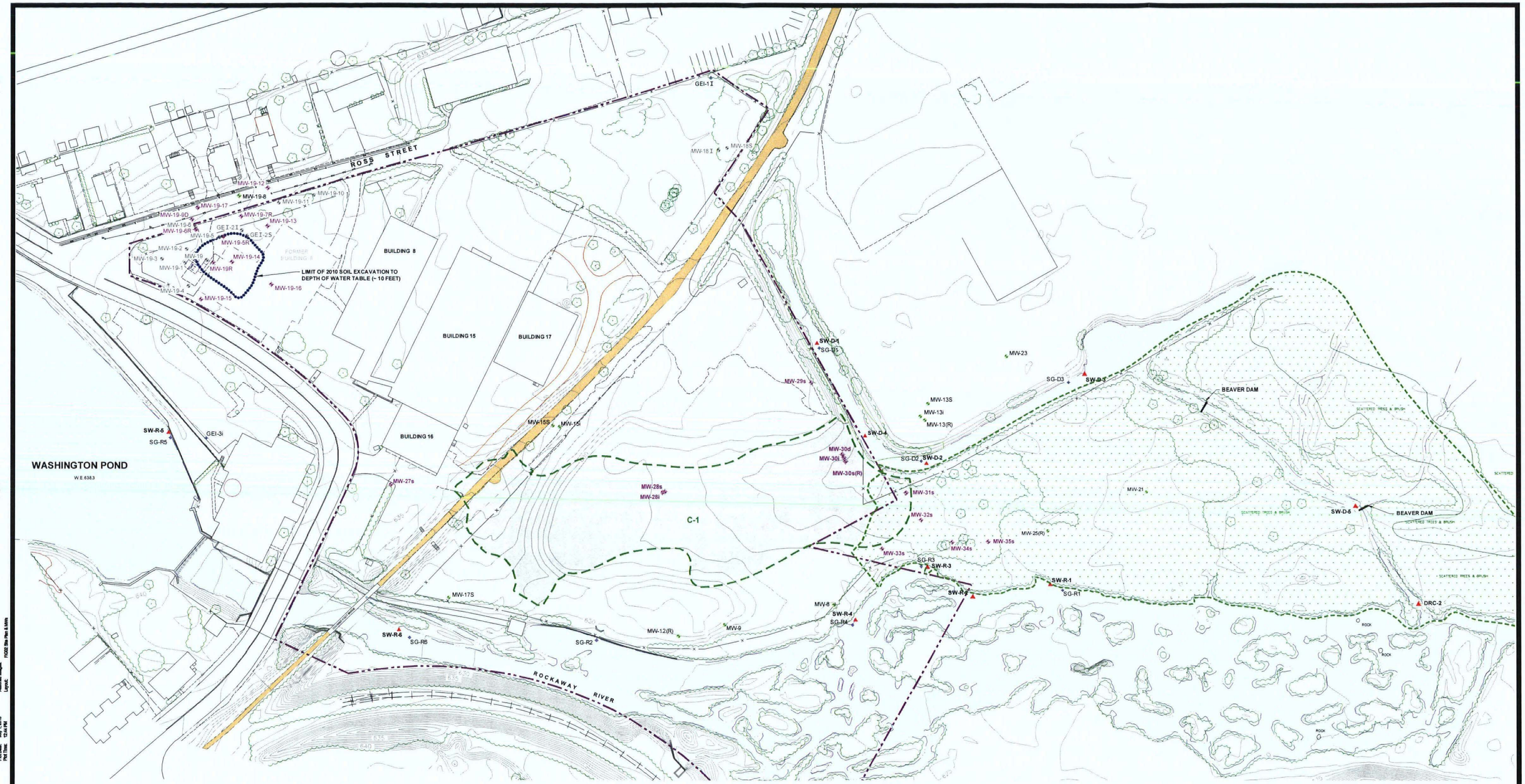
PROJECT:
**DAYCO CORPORATION / L.E. CARPENTER SUPERFUND SITE - WHARTON, NEW JERSEY**

SHEET TITLE:
**SITE LOCATION MAP 1ST AND 2ND QUARTER 2013**

| | |
|---|---|
| DRAWN BY: | SJL/DGS |
| APPROVED BY: | SP |
| PROJ. NO. | 199380.0000.01 |
| FILE NO. | 199380.0000.01.01.dwg |
| DATE: | JULY 2013 |

**FIGURE 1**

PLOT DATA
Drawing Name: J:_TRC\LE Carpenter\199380\0000\01\199380.0000.01.01.dwg
Operator Name: STEHLE, DIANAH
Drawing Plot Scale: 0.386863
Dwg Size: 0.40 Mb
Plot Date: June 28, 2013
Plot Time: 3:04 PM
Attached Xref's: Dover New Jersey;
Attached Images: FIG01 Site Location Map
Layout:




## LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- 630 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- MW-19-1 — ABANDONED MONITORING WELL LOCATION AND NUMBER
- MW-25(R) — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-29s — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- LIMIT OF 2010 SOIL EXCAVATION TO DEPTH OF WATER TABLE (~ 10 FEET)
- C-1 — OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH
- SW-R-1 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- SG-R1 — RIVER POINT SURFACE WATER ELEVATION
- SG-D1 — DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2I — PIEZOMETER LOCATION
- WETLAND

## NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. MW-19 HOT SPOT ONE WELL ABANDONMENTS OCCURRED ON OCTOBER 13 - 15, 2009.
4. MW-30 AREA MONITORING WELLS WERE RE-SURVEYED IN 2011 DURING SURVEY OF INVESTIGATION SOIL BORINGS. SURVEY CONDUCTED BY DENNIS SKLAR, INC.

N

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

| NO. | BY | DATE | REVISION | APPD |
|---|---|---|---|---|
| 3 | | | | |
| 2 | | | | |
| 1 | | | | |

PROJECT: DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

SHEET TITLE: SITE PLAN WITH WELL LOCATIONS 1ST AND 2ND QUARTER 2013

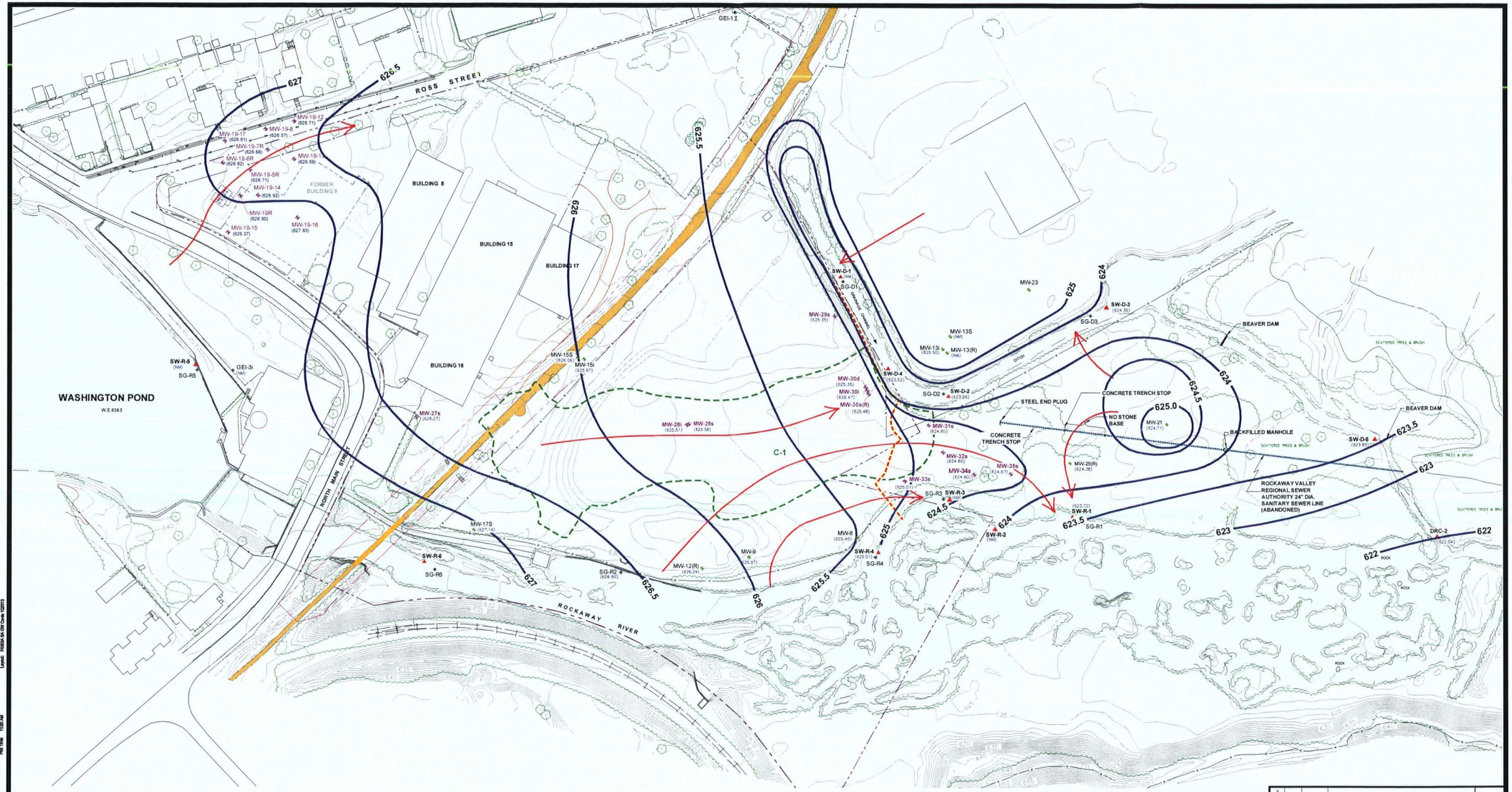
| | | | |
|---|---|---|---|
| DRAWN BY: | SJ/DGS | SCALE: AS INDICATED | PROJ NO. 199380.0000.01 |
| CHECKED BY: | SP | | FILE NO. 199380.0000.01.02.dwg |
| APPROVED BY: | JJD | DATE PRINTED: | FIGURE 2 |
| DATE: | JULY 2013 | | |

TRC
2025 Beltline Ave. SE, Suite 412
Grand Rapids, MI 49546
Phone: 616.975.5415
Fax: 616.975.1098

PLOT DATE
Drawing Name: J:_TRC\L.E. Carpenter
Drawing Number: 199380.0000.01.02.dwg
Drawing Plot Scale: 0.300000

Dwg Size: 11X17
Plot Date: Jul 17, 2013
Plot Time: 12:44 PM

Attached Xrefs: trsc020111
Attached Images:
Layout: FIG02 Site Plan & MWs




## LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- 630 POST-REMEDIATION GROUND SURFACE ELEVATIONS
- MW-25(R) GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER ($ = shallow, i = intermediate, d = deep)
- MW-29s PRMP MONITORING WELL LOCATION AND NUMBER ($ = shallow, i = intermediate, d = deep)
- SW-R-1 SURFACE WATER SAMPLING LOCATION (D = DITCH, R = RIVER)
- C-1 OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH
- (625.88) GROUND WATER ELEVATION
- (NM) NOT MEASURED
- 625 SHALLOW GROUNDWATER ELEVATION CONTOUR
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- WESTERN BOUNDARY OF REGULATED WETLAND
- SG-R1 RIVER POINT SURFACE WATER ELEVATION
- SG-D1 DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2I PIEZOMETER LOCATION

## NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY JAMES M STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.
4. MW-30 AREA MONITORING WELLS WERE RE-SURVEYED IN 2011 DURING SURVEY OF INVESTIGATION SOIL BORINGS. SURVEY CONDUCTED BY DENNIS SKLAR, INC.

N

0 60' 120' 180' 240'

APPROXIMATE SCALE IN FEET

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

PROJECT: DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

SHEET TITLE: SITE-WIDE SHALLOW AQUIFER GROUNDWATER CONTOUR MAP 1ST QUARTER 2013

| | | | |
|---|---|---|---|
| DRAWN BY: | SJ/DGS | SCALE: | PROJ. NO. 199380.0000.01 |
| CHECKED BY: | SP | AS INDICATED | FILE NO. 199380.0000.01.03A.dwg |
| APPROVED BY: | JJD | DATE PRINTED: | FIGURE 3A |
| DATE: | JULY 2013 | | |

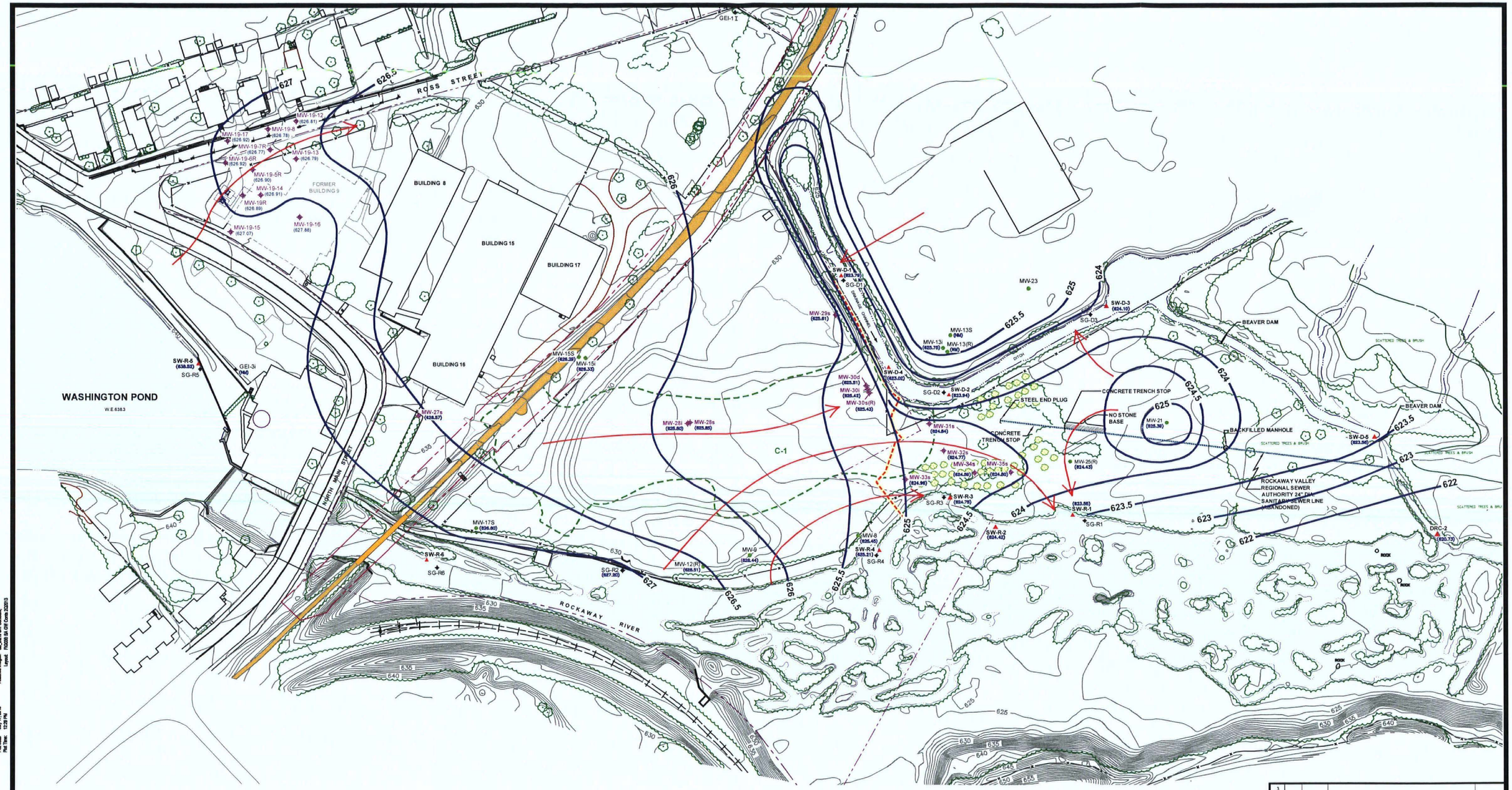
TRC
2025 Beltline Ave. SE, Suite 412
Grand Rapids, MI 49546
Phone: 616.975.5415
Fax: 616.975.1098

Attached Xrefs: Inc0201111
Attached Images: DOC0201111111605152574416
Layers: FIGSA SA GW Cards 122013

Drg Size: 8.00 Wd
Plot Date: Jul 17, 2013
Plot Time: 11:50 AM

Drawing Name: J:_TRCS_C\DAYCO\199380.0000.01.03A.dwg
Drawing Origin: STEELE, DWAIN
Drawing Plot Scale: 0.300000

PLOT: 3x17.4




## LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- 630 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- MW-25(R) — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-29s — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- SW-R-1 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- PHYTOREMEDIATION TREE LOCATION
- C-1 — OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH
- (625.88) — GROUND WATER ELEVATION
- (NM) — NOT MEASURED
- 625 — SHALLOW GROUNDWATER ELEVATION CONTOUR
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- WESTERN BOUNDARY OF REGULATED WETLAND
- SG-R1 — RIVER POINT SURFACE WATER ELEVATION
- SG-D1 — DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2I — PIEZOMETER LOCATION

## NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.
4. MW-30 AREA MONITORING WELLS WERE RE-SURVEYED IN 2011 DURING SURVEY OF INVESTIGATION SOIL BORINGS. SURVEY CONDUCTED BY DENNIS SKLAR, INC.

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

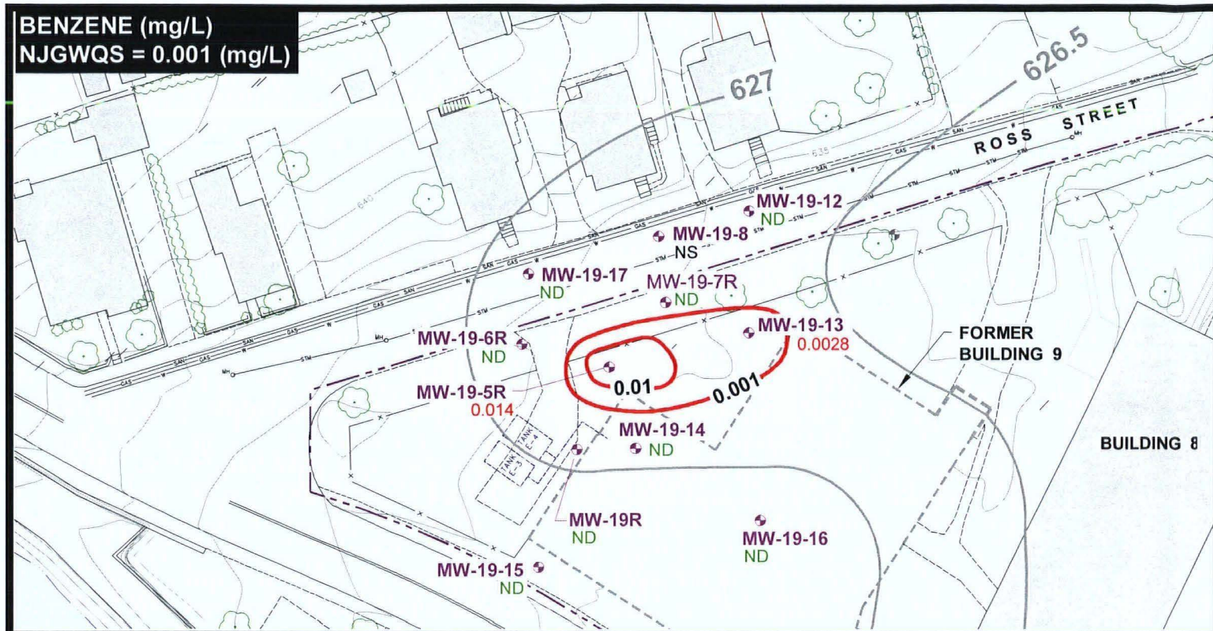
| NO. | BY | DATE | REVISION | APPD |
|---|---|---|---|---|
| 3 | | | | |
| 2 | | | | |
| 1 | | | | |

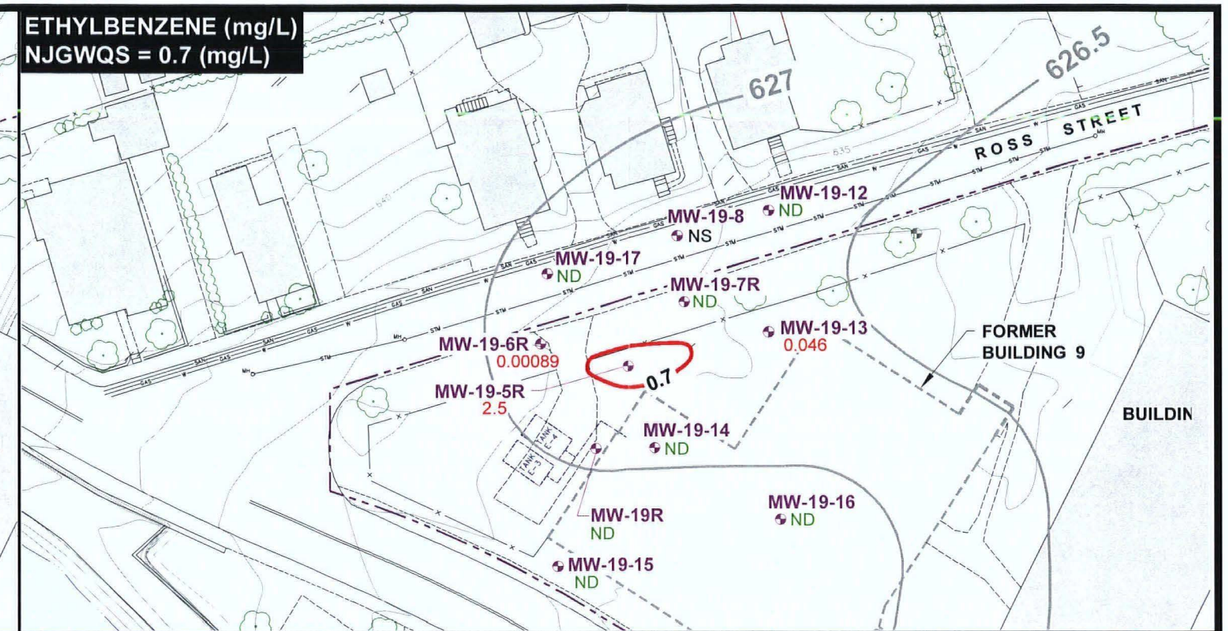
PROJECT: DAYCO CORPORATION / L.E. CARPENTER SUPERFUND SITE WHARTON, NEW JERSEY

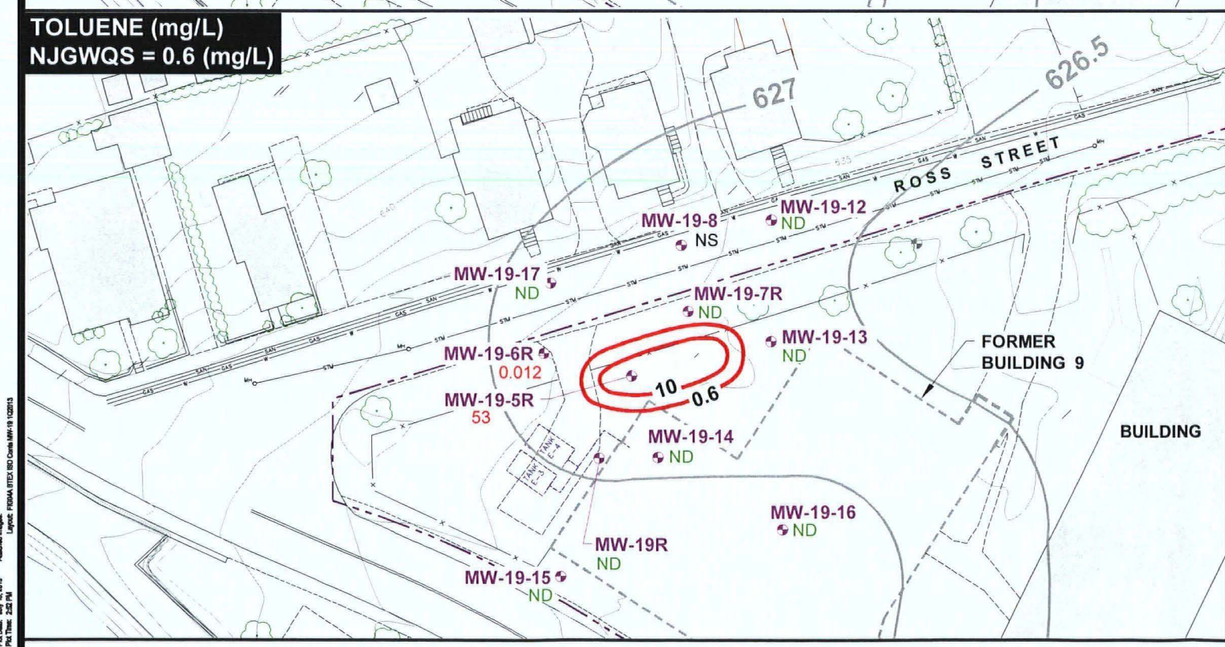
SHEET TITLE: SITE-WIDE SHALLOW AQUIFER GROUNDWATER CONTOUR MAP 2ND QUARTER 2013

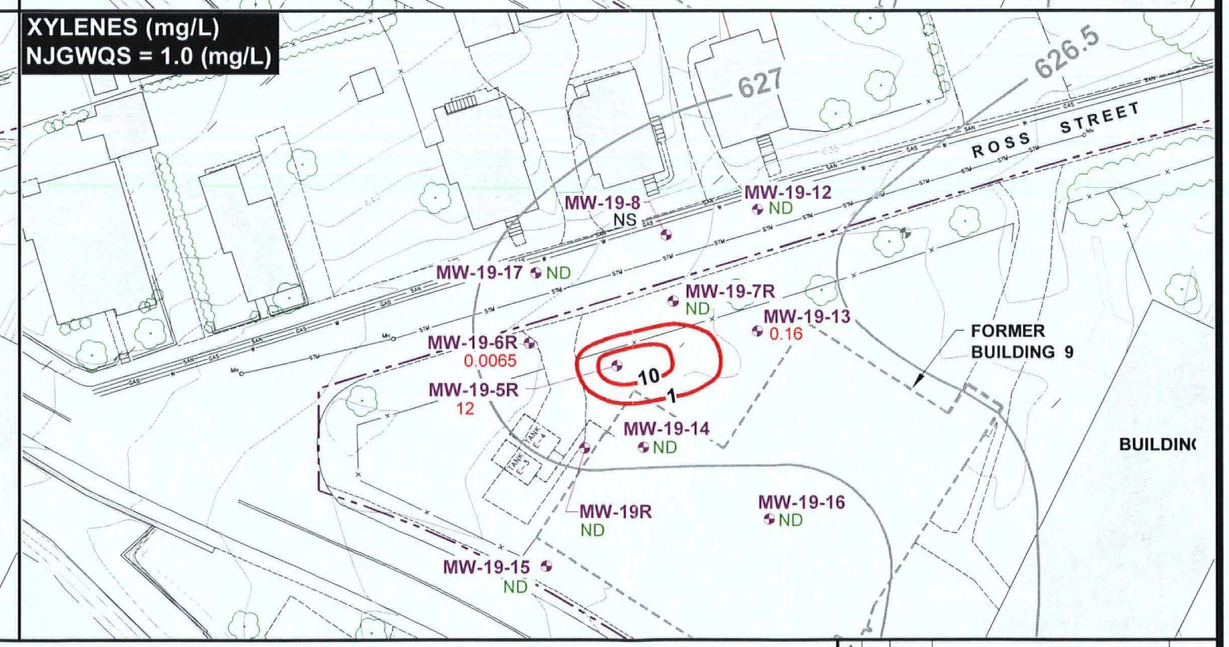
| | | | |
|---|---|---|---|
| DRAWN BY: SJ/DGS | SCALE: AS INDICATED | PROJ NO. 199380.0000.01 | |
| CHECKED BY: SP | | FILE NO. 199380.0000.01.03B.dwg | |
| APPROVED BY: JJD | DATE PRINTED: | FIGURE 3B | |
| DATE: JULY 2013 | | | |

TRC
2025 Beltline Ave. SE, Suite 412
Grand Rapids, MI 49546
Phone: 616.975.5415
Fax: 616.975.1098




## LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- 630 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- MW-19-21 — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-19R — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- FORMER UNDERGROUND STORAGE TANK AND PIPING (WESTON 1990-1991)
- 1 — ISOCONCENTRATION CONTOURS FOR INDIVIDUAL BTEX CONSTITUENTS DISSOLVED IN GROUNDWATER (mg/L)
- 626.0 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- ND — NOT DETECTED
- NS — NOT SAMPLED
- SAN — SANITARY SEWER
- STM — REGIONAL STORM SEWER LINE
- W — WATER

## NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY JAMES M. STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).

N

0 30' 60' 90' 120'
APPROXIMATE SCALE IN FEET

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

PROJECT: DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

TITLE: 1ST QUARTER 2013 - ISOCONCENTRATION CONTOURS (mg/L) FOR BENZENE, ETHYLBENZENE, TOLUENE, AND XYLENES IN THE MW-19 / HOT SPOT 1 AREA

| | | | |
|---|---|---|---|
| DRAWN BY: | SJUDGS | SCALE: AS INDICATED | PROJ. NO. 199380.0000.01 |
| CHECKED BY: | JJD | | FILE NO. 199380.0000.01.04A.dwg |
| APPROVED BY: | JJD | DATE PRINTED: | FIGURE 4A |
| DATE: | JULY 2013 | | |

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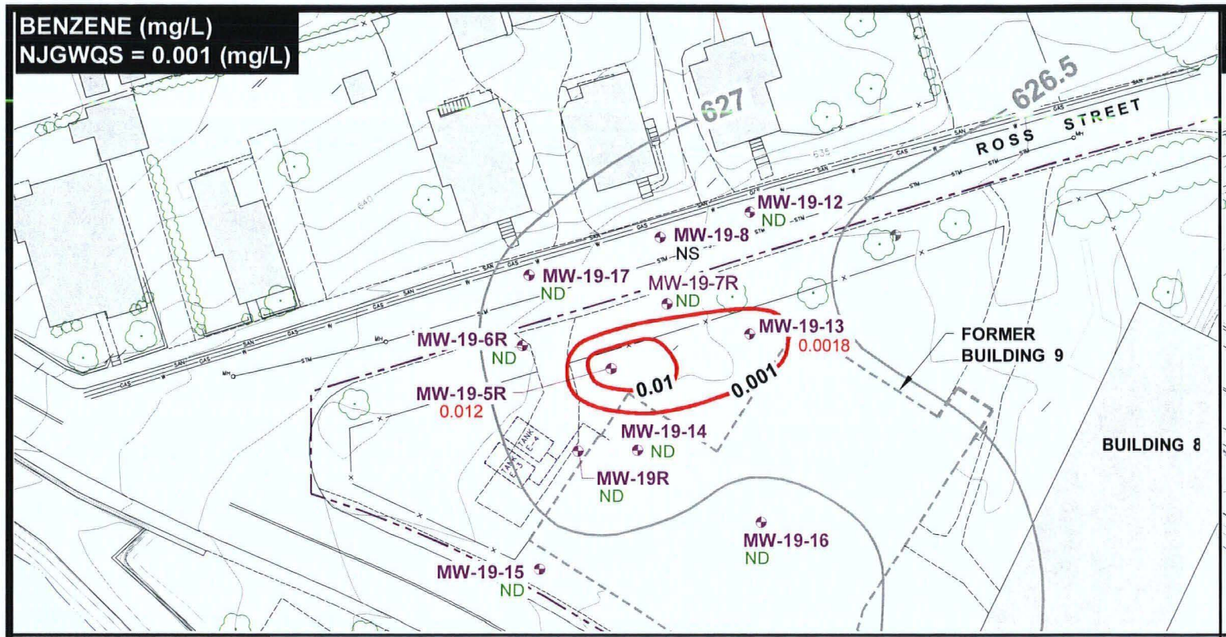
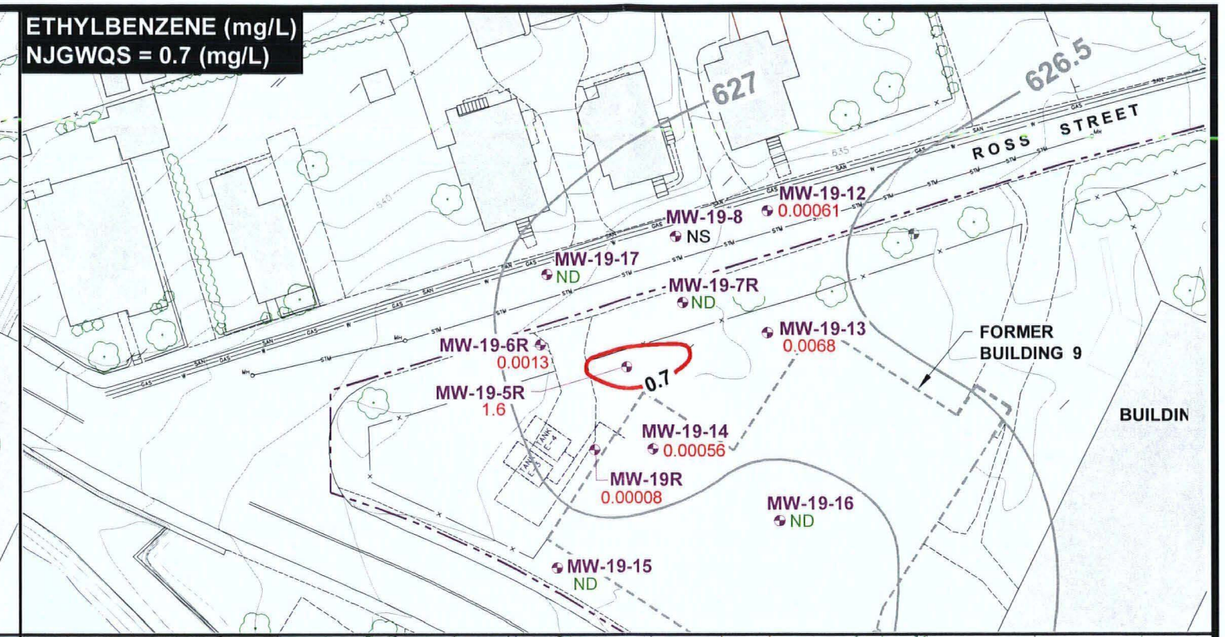
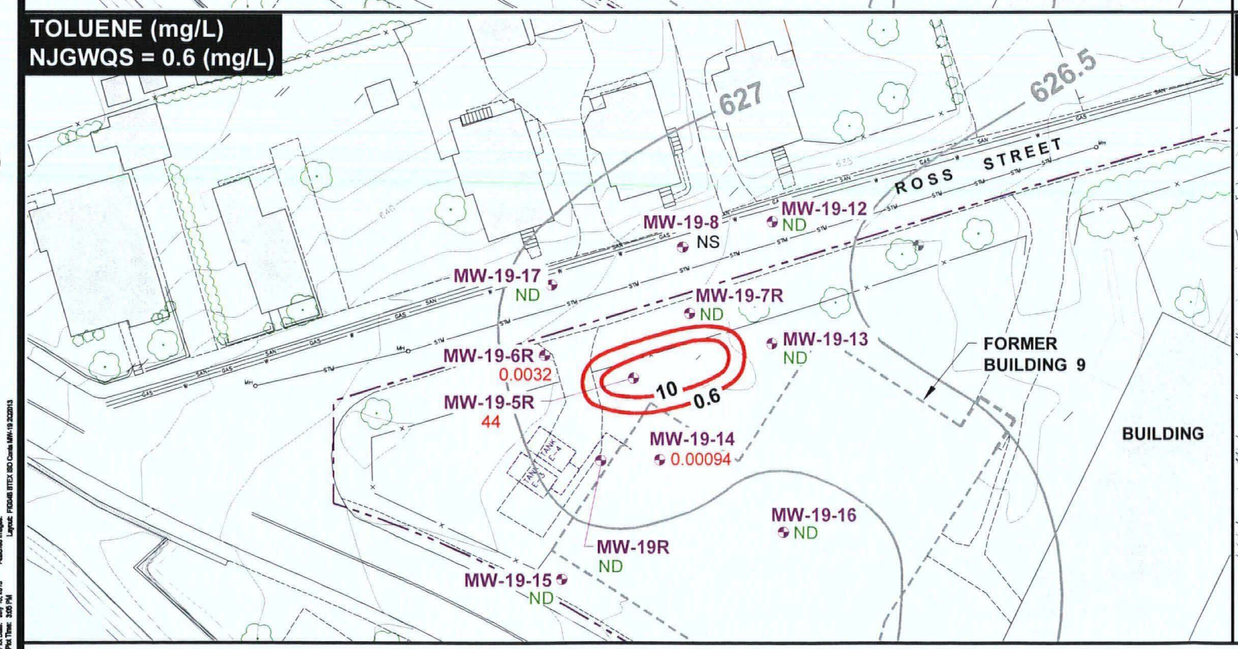
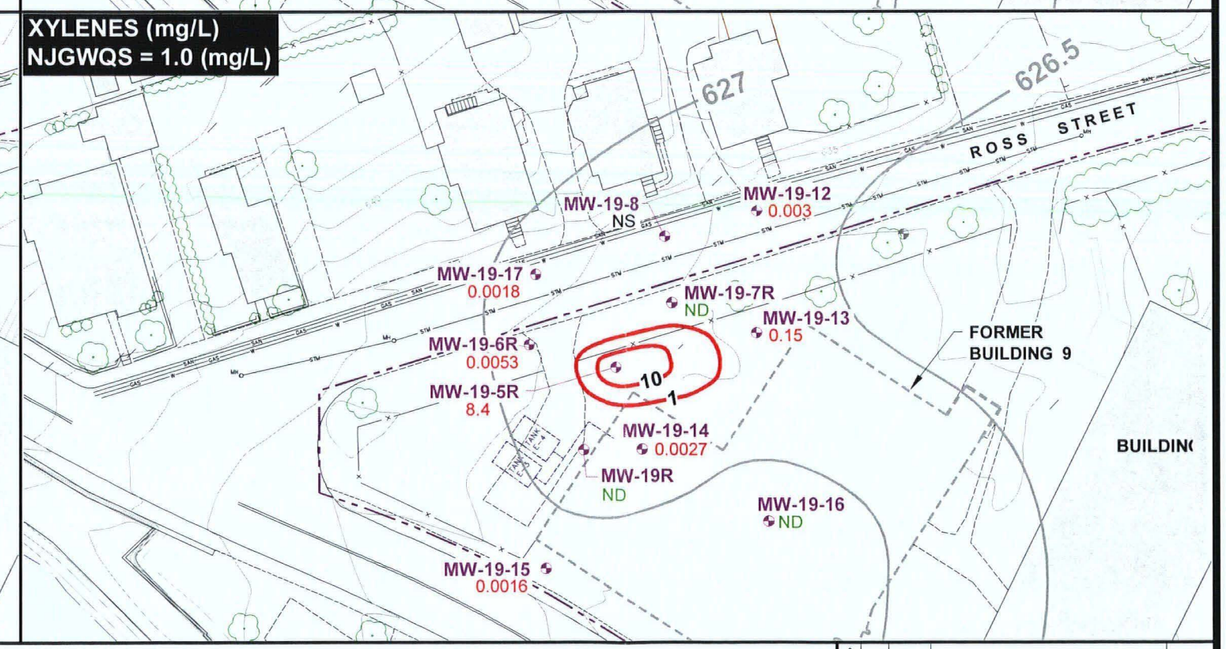
2025 Baltline Ave. SE, Suite 412
Grand Rapids, MI 49546
Phone: 616.975.5415
Fax: 616.975.1098

Drawing Name: J:_TRC_Dayco\...\ETHYLE_DRAW4
Drawing Number: 0.380003
Drawing Plot Scale: 1:1
Plot Date: July 16, 2013
Plot Time: 3:25 PM
Attached Xrefs: trxc0f20111
Attached Images:
Layout: FIGURA 8TEX ERD Cross MW-19 112013




## LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- 630 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- MW-19-21 — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-19R — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- FORMER UNDERGROUND STORAGE TANK AND PIPING (WESTON 1990-1991)
- 1 — ISOCONCENTRATION CONTOURS FOR INDIVIDUAL BTEX CONSTITUENTS DISSOLVED IN GROUNDWATER (mg/L)
- 626.0 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- ND — NOT DETECTED
- NS — NOT SAMPLED
- SAN — SANITARY SEWER
- STM — REGIONAL STORM SEWER LINE
- W — WATER

## NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY JAMES M. STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).

N

0 30' 60' 90' 120'
APPROXIMATE SCALE IN FEET

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

PROJECT: DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

TITLE: 2ND QUARTER 2013 - ISOCONCENTRATION CONTOURS (mg/L) FOR BENZENE, ETHYLBENZENE, TOLUENE, AND XYLENES IN THE MW-19 / HOT SPOT 1 AREA

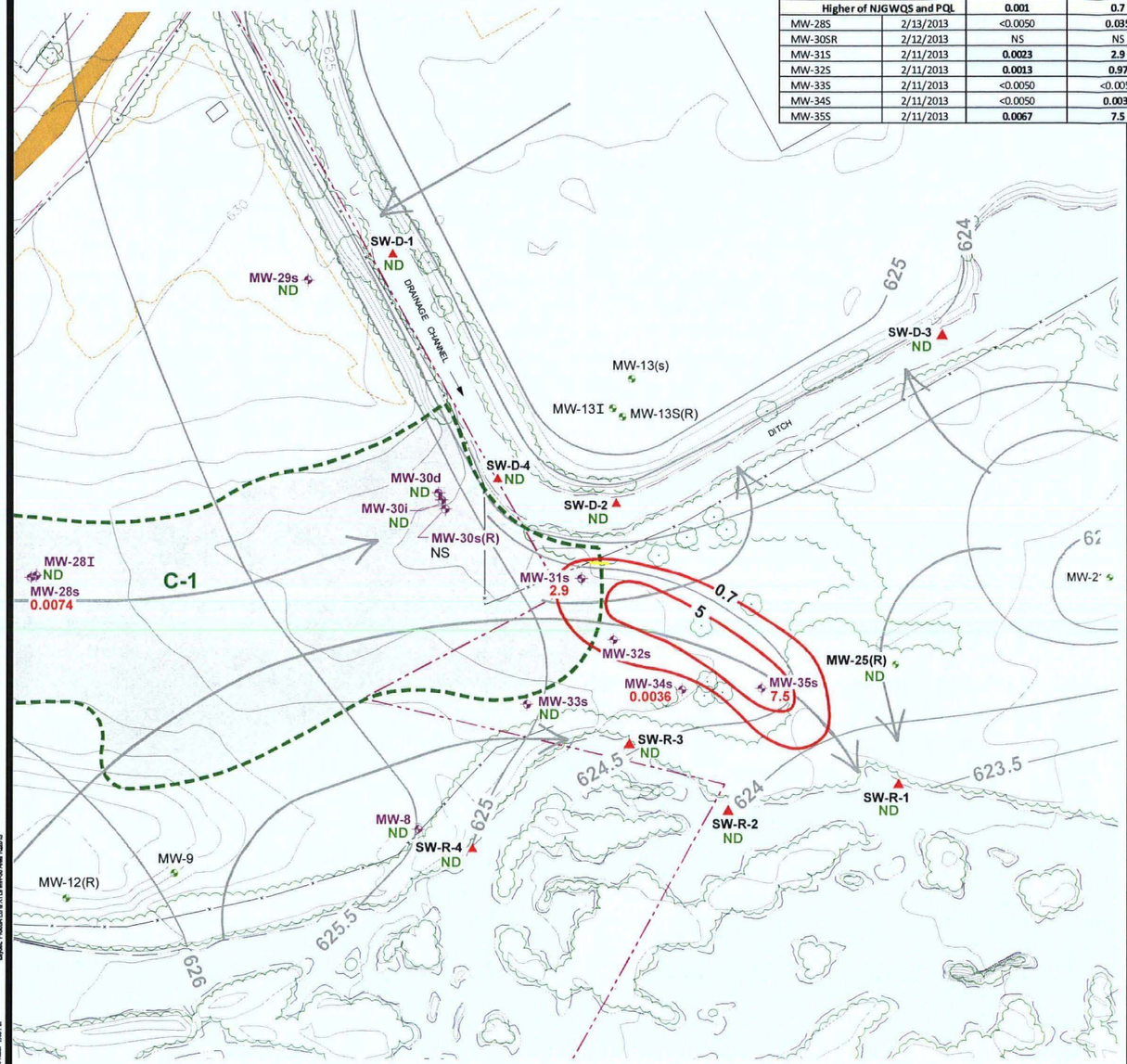
| | | | |
|---|---|---|---|
| DRAWN BY: SJ/DGS | SCALE: AS INDICATED | PROJ. NO. 199380.0000.01 | |
| CHECKED BY: JJD | | FILE NO. 199380.0000.01.04B.dwg | |
| APPROVED BY: JJD | DATE PRINTED: | FIGURE 4B | |
| DATE: JULY 2013 | | | |

TRC
2025 Beltline Ave. SE, Suite 412
Grand Rapids, MI 49546
Phone: 616.975.5415
Fax: 616.975.1098

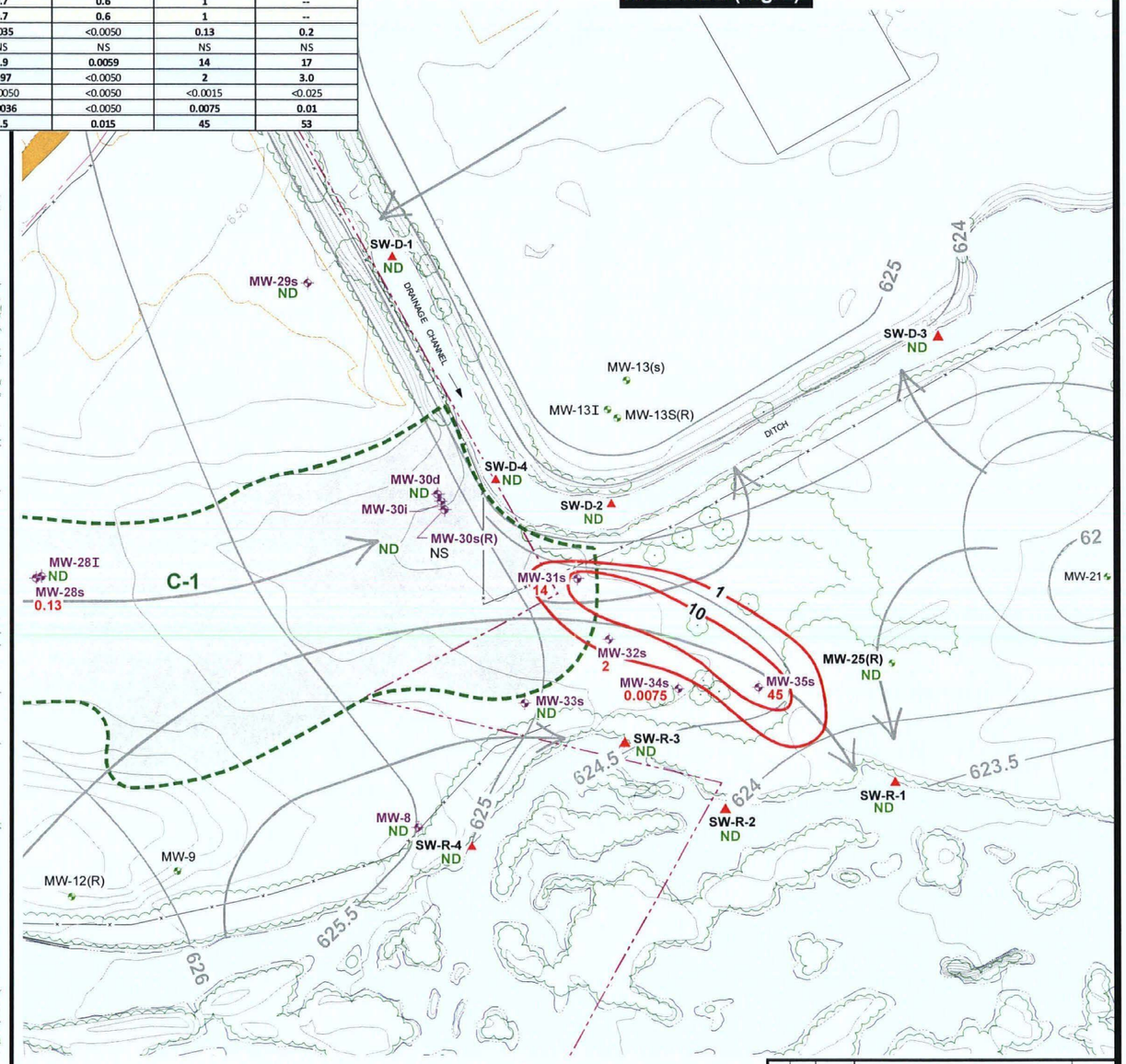
## SUMMARY OF 1Q2013 BTEX DETECTIONS

| Analytical Parameters | | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX |
|---|---|---|---|---|---|---|
| Units | | mg/L | mg/L | mg/L | mg/L | mg/L |
| Solubility Limit | | 1,700 | 152 | 515 | 175 | -- |
| Practical Quantitation Limit (PQL) | | 0.001 | 0.002 | 0.001 | 0.002 | -- |
| NJGWQS Class IIA | | 0.0002 | 0.7 | 0.6 | 1 | -- |
| Higher of NJGWQS and PQL | | 0.001 | 0.7 | 0.6 | 1 | -- |
| MW-28S | 2/13/2013 | <0.0050 | 0.035 | <0.0050 | 0.13 | 0.2 |
| MW-30SR | 2/12/2013 | NS | NS | NS | NS | NS |
| MW-31S | 2/11/2013 | 0.0023 | 2.9 | 0.0059 | 14 | 17 |
| MW-32S | 2/11/2013 | 0.0013 | 0.97 | <0.0050 | 2 | 3.0 |
| MW-33S | 2/11/2013 | <0.0050 | <0.0050 | <0.0050 | <0.0015 | <0.025 |
| MW-34S | 2/11/2013 | <0.0050 | 0.0036 | <0.0050 | 0.0075 | 0.01 |
| MW-35S | 2/11/2013 | 0.0067 | 7.5 | 0.015 | 45 | 53 |

## ETHYLBENZENE (mg/L)




## XYLENES (mg/L)




### LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-19-21 — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-19R — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- GEI-3I — PIEZOMETER LOCATION
- SW-R-5 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- 630 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- 625 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- C-1 — OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH

**ETHYLBENZENE**

- 0.7 — ISOCONCENTRATION FOR ETHYLBENZENE (mg/L) IN GROUNDWATER
- 8.8 — ETHYLBENZENE (mg/L) IN GROUNDWATER

**TOTAL XYLENES**

- 10 — ISOCONCENTRATION FOR TOTAL XYLENES (mg/L) IN GROUNDWATER
- 25 — TOTAL XYLENES (mg/L) IN GROUNDWATER

- ND — NOT DETECTED
- NS — NOT SAMPLED

### NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.
3. MW-30 AREA MONITORING WELLS WERE RE-SURVEYED IN 2011 DURING SURVEY OF INVESTIGATION SOIL BORINGS. SURVEY CONDUCTED BY DENNIS SKLAR, INC.

N

0 40' 80' 120' 160'
APPROXIMATE SCALE IN FEET

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

PROJECT: DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

SHEET TITLE: 1st QUARTER 2013
ETHYLBENZENE AND TOTAL XYLENES
ISOCONCENTRATION CONTOURS (mg/L) FOR THE MW-30 AREA

| | | | |
|---|---|---|---|
| DRAWN BY: | SJ/DGS | SCALE: | PROJ NO. 199380.0000.01 |
| CHECKED BY: | JJD | AS INDICATED | FILE NO. 199380.0000.01.05A.dwg |
| APPROVED BY: | JJD | DATE PRINTED: | FIGURE 5A |
| DATE: | JULY 2013 | | |

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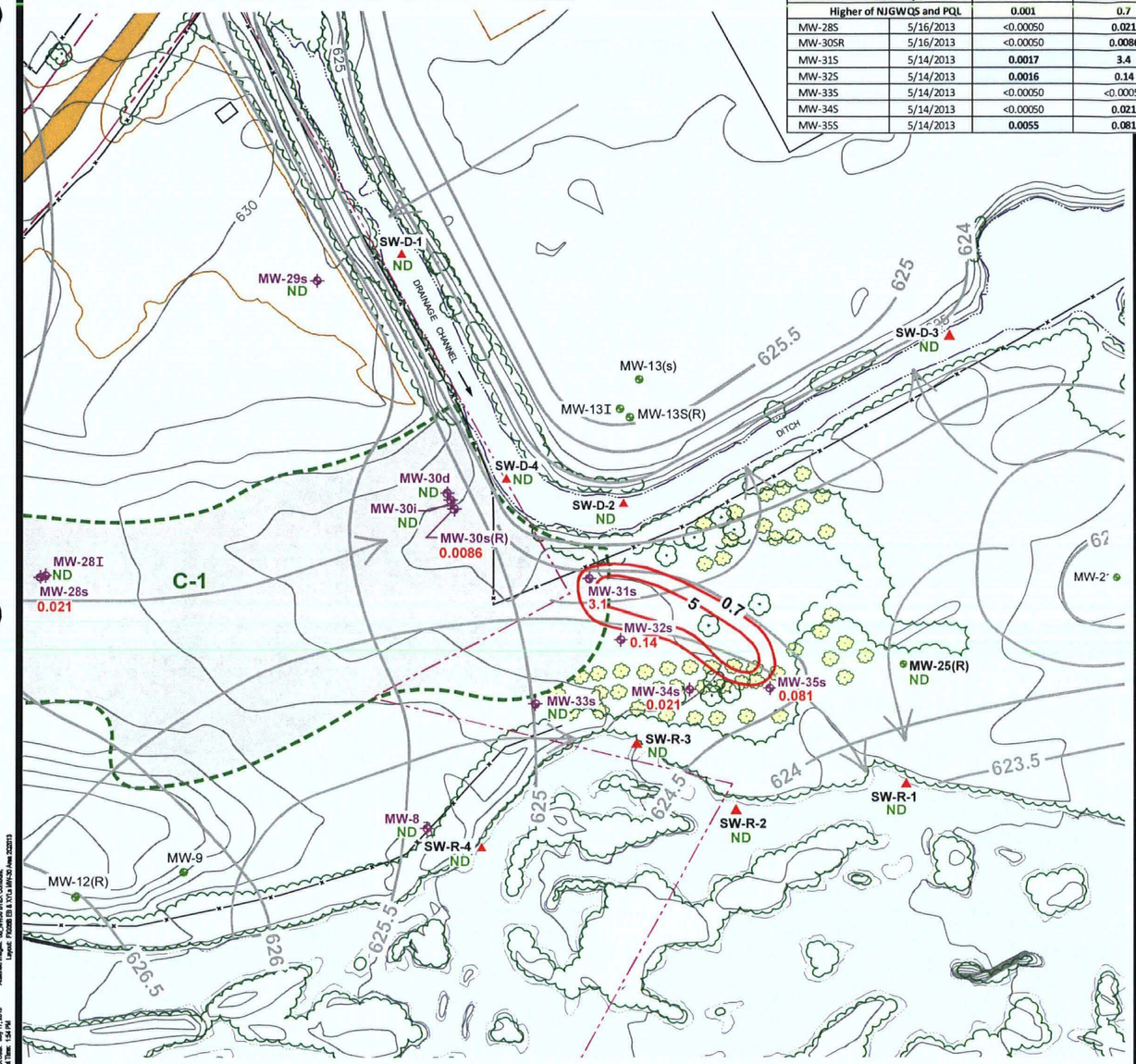
Phone: 616.975.5415
Fax: 616.975.1098

FILE: 5A.DWG
Drawing Number: 199380.0000.01.05A.dwg
Operator Name: JL TRICHE Corp.
Drawing Pkt Scale: 0.300003
Attached Xref's: bmc02011
Attached Images:
Layout: FIGSA1 ER & XYLs MW-30 Area 1Q2013
Dwg Size: 1.18 bth
Plot Date: July 17, 2013
Plot Time: 5:46 PM

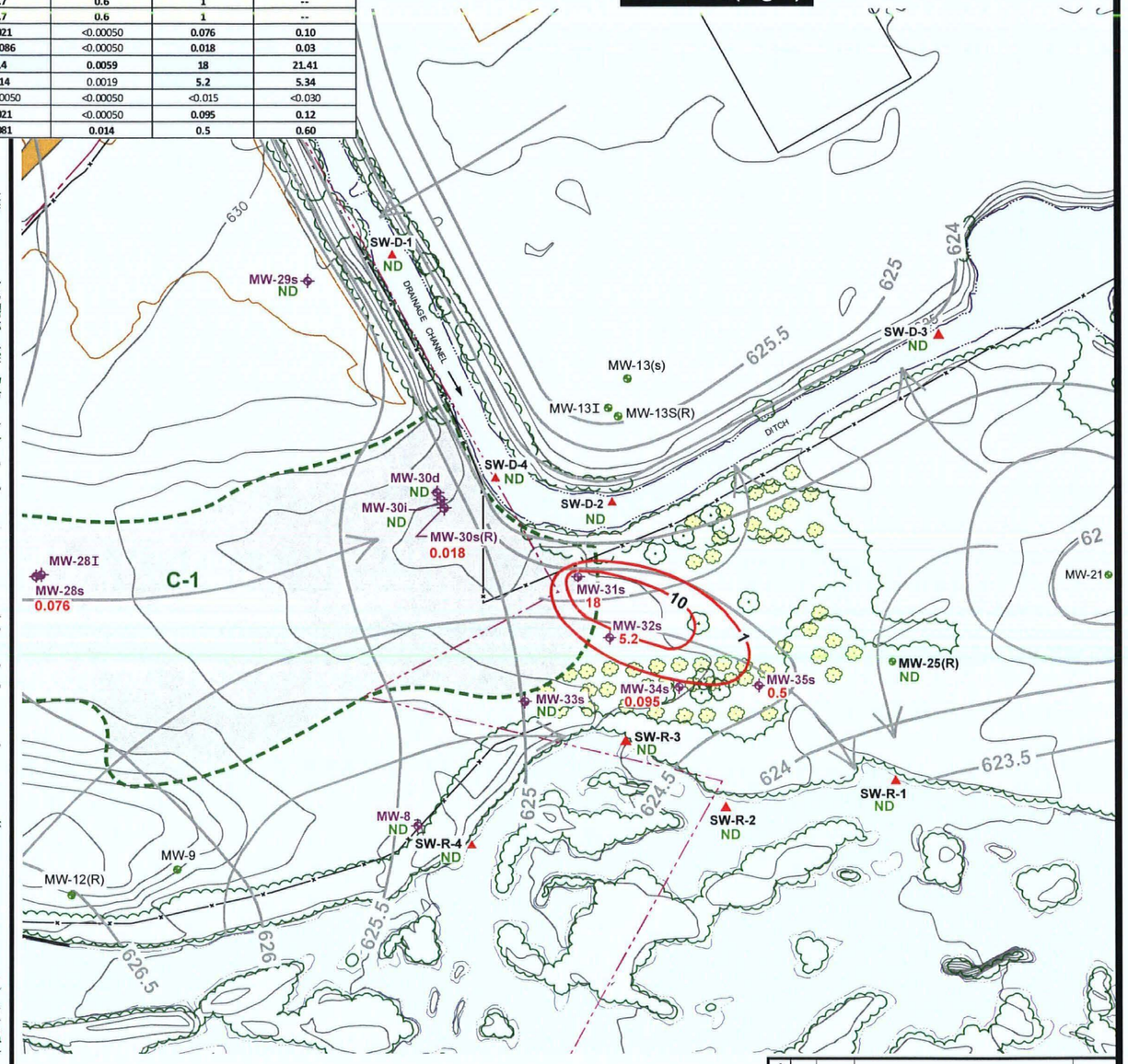
## SUMMARY OF 2Q2013 BTEX DETECTIONS

| Analytical Parameters | | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX |
|---|---|---|---|---|---|---|
| Units | | mg/L | mg/L | mg/L | mg/L | mg/L |
| Solubility Limit | | 1,700 | 152 | 515 | 175 | -- |
| Practical Quantitation Limit (PQL) | | 0.001 | 0.002 | 0.001 | 0.002 | -- |
| NJGWQS Class IIA | | 0.0002 | 0.7 | 0.6 | 1 | -- |
| Higher of NJGWQS and PQL | | 0.001 | 0.7 | 0.6 | 1 | -- |
| MW-28S | 5/16/2013 | <0.00050 | 0.021 | <0.00050 | 0.076 | 0.10 |
| MW-30SR | 5/16/2013 | <0.00050 | 0.0086 | <0.00050 | 0.018 | 0.03 |
| MW-31S | 5/14/2013 | 0.0017 | 3.4 | 0.0059 | 18 | 21.41 |
| MW-32S | 5/14/2013 | 0.0016 | 0.14 | 0.0019 | 5.2 | 5.34 |
| MW-33S | 5/14/2013 | <0.00050 | <0.00050 | <0.00050 | <0.015 | <0.030 |
| MW-34S | 5/14/2013 | <0.00050 | 0.021 | <0.00050 | 0.095 | 0.12 |
| MW-35S | 5/14/2013 | 0.0055 | 0.081 | 0.014 | 0.5 | 0.60 |

## ETHYLBENZENE (mg/L)




## XYLENES (mg/L)




### LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-19-21 — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-19R — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- GEI-3I — PIEZOMETER LOCATION
- SW-R-5 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- 630 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- 625 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- C-1 — OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH
- PHYTOREMEDIATION TREE LOCATION

### ETHYLBENZENE

- 0.7 — ISOCONCENTRATION FOR ETHYLBENZENE (mg/L) IN GROUNDWATER
- 8.8 — ETHYLBENZENE (mg/L) IN GROUNDWATER

### TOTAL XYLENES

- 10 — ISOCONCENTRATION FOR TOTAL XYLENES (mg/L) IN GROUNDWATER
- 25 — TOTAL XYLENES (mg/L) IN GROUNDWATER

- ND — NOT DETECTED
- NS — NOT SAMPLED

### NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY JAMES M. STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.
3. MW-30 AREA MONITORING WELLS WERE RE-SURVEYED IN 2011 DURING SURVEY OF INVESTIGATION SOIL BORINGS. SURVEY CONDUCTED BY DENNIS SKLAR, INC.

N

0 40' 80' 120' 160'
APPROXIMATE SCALE IN FEET

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

PROJECT:
DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

SHEET TITLE:
2ND QUARTER 2013
ETHYLBENZENE AND TOTAL XYLENES
ISOCONCENTRATION CONTOURS (mg/L) FOR THE MW-30 AREA

| | | | |
|---|---|---|---|
| DRAWN BY: | SJL/DGS | SCALE: | PROJ. NO. 199380.0000.01 |
| CHECKED BY: | JJD | AS INDICATED | FILE NO. 199380.0000.01.05B.dwg |
| APPROVED BY: | JJD | DATE PRINTED: | FIGURE 5B |
| DATE: | JULY 2013 | | |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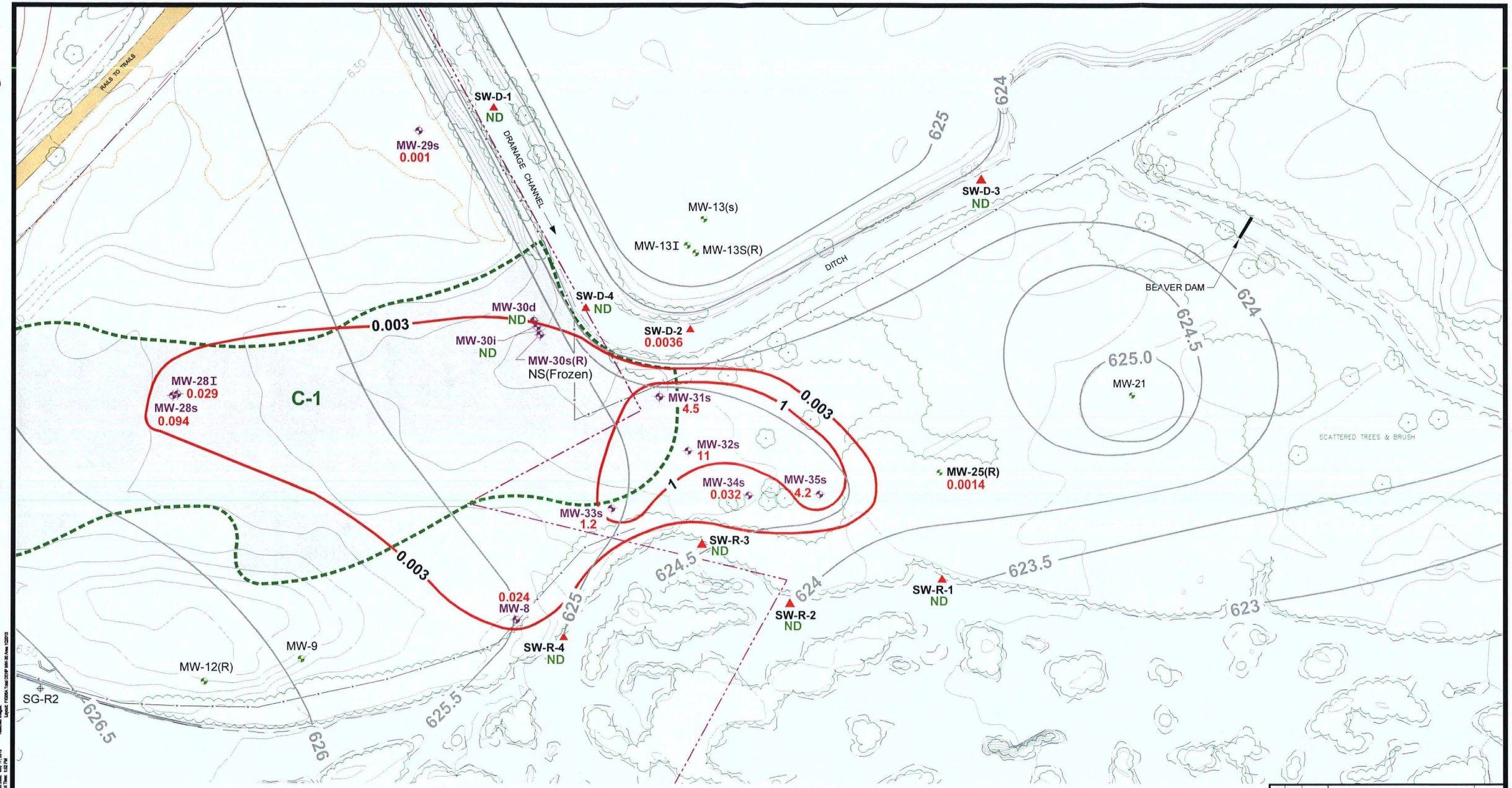
Fax: 616.975.1098




## LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-19-21 — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-19R — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- GEI-3I — PIEZOMETER LOCATION
- SW-R-5 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- 1 — ISOCONCENTRATION FOR TOTAL MAXIMUM DEHP (mg/L) IN GROUNDWATER
- 0.027 — TOTAL DEHP (mg/L) IN GROUNDWATER
- ND — NOT DETECTED
- 630 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- 625 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- C-1 — OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH

## NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY:JAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.
3. MW-30 AREA MONITORING WELLS WERE RE-SURVEYED IN 2011 DURING SURVEY OF INVESTIGATION SOIL BORINGS. SURVEY CONDUCTED BY DENNIS SKLAR, INC.

N

0 30' 60' 90' 120'
APPROXIMATE SCALE IN FEET

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

PROJECT: DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

SHEET TITLE: 1ST QUARTER 2013
TOTAL DEHP ISOCONCENTRATION CONTOURS (mg/L)
FOR THE MW-30 AREA

| | | | |
|---|---|---|---|
| DRAWN BY: | SJL/DGS | SCALE: | PROJ. NO. 199380.0000.01 |
| CHECKED BY: | JJD | AS INDICATED | FILE NO. 199380.0000.01.08A.dwg |
| APPROVED BY: | JJD | DATE PRINTED: | FIGURE 6A |
| DATE: | JULY 2013 | | |

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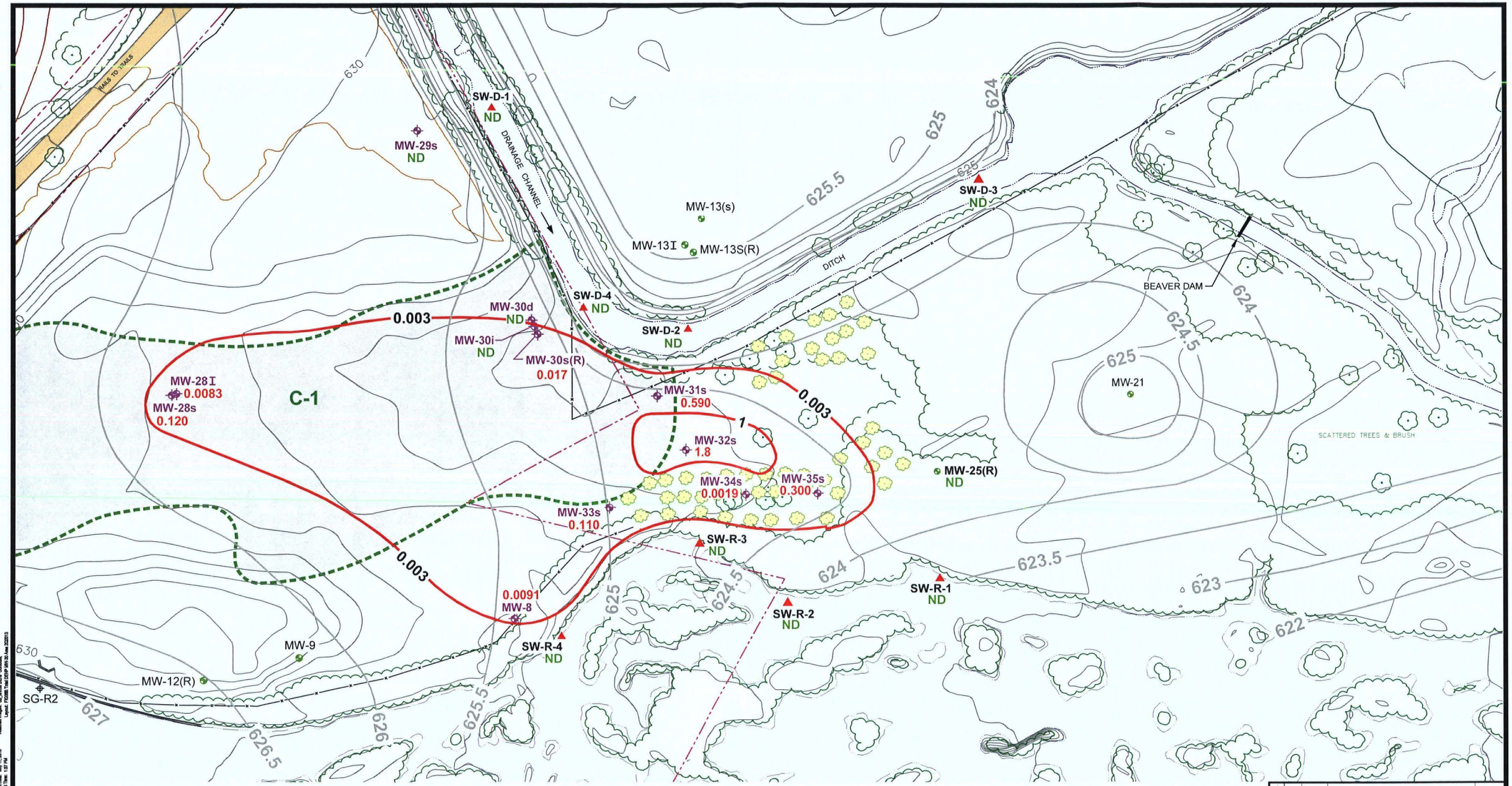
2025 Beltline Ave. SE, Suite 412
Grand Rapids, MI 49546
Phone: 616.975.5415
Fax: 616.975.1098




## LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-19-21 — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-19R — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- GEI-3I — PIEZOMETER LOCATION
- SW-R-5 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- PHYTOREMEDIATION TREE LOCATION
- 1 — ISOCONCENTRATION FOR TOTAL MAXIMUM DEHP (mg/L) IN GROUNDWATER
- 0.027 — TOTAL DEHP (mg/L) IN GROUNDWATER
- ND — NOT DETECTED
- 630 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- 625 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- C-1 — OUTLINE OF 2005 SOURCE REDUCTION AREA AND SUBSURFACE SLURRY MONOLITH

## NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY JAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO. 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.
3. MW-30 AREA MONITORING WELLS WERE RE-SURVEYED IN 2011 DURING SURVEY OF INVESTIGATION SOIL BORINGS. SURVEY CONDUCTED BY DENNIS SKLAR, INC.

N

0 30' 60' 90' 120'
APPROXIMATE SCALE IN FEET

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

PROJECT: DAYCO CORPORATION / L.E. CARPENTER
SUPERFUND SITE
WHARTON, NEW JERSEY

SHEET TITLE: 2ND QUARTER 2013
TOTAL DEHP ISOCONCENTRATION CONTOURS (mg/L)
FOR THE MW-30 AREA

| | | | |
|---|---|---|---|
| DRAWN BY: | SJL/DGS | SCALE: | PROJ. NO. 199380.0000.01 |
| CHECKED BY: | JJD | AS INDICATED | FILE NO. 199380.0000.01.06B.dwg |
| APPROVED BY: | JJD | DATE PRINTED: | FIGURE 6B |
| DATE: | JULY 2013 | | |

TRC
2025 Bellline Ave. SE, Suite 412
Grand Rapids, MI 49546
Phone: 616.975.5415
Fax: 616.975.1098

# Appendix A
# Photographic Summary and Field Data Forms

TRC

| | |
|---|---|
| PROJECT NAME: | LE Carpenter & Co. |
| PROJECT NUMBER: | 199380.0000.0000 |
| PROJECT MANAGER: | B. Culp |
| SITE LOCATION: | 170 N. Main Street<br>Wharton, NJ 07885 |
| DATES OF FIELDWORK: | 2/11/2013 TO 2/15/2013 |
| PURPOSE OF FIELDWORK: | 1Q13 Ground Water Sampling |
| WORK PERFORMED BY: | D. Marx, D. Shanahan<br>R. Guarino, T. Dolan |

SIGNED — DATE 02/14/13

CHECKED BY — DATE 4/13/13

REVISED 06/2011

TRC

# GENERAL NOTES

| PROJECT NAME: LE Carpenter & Co. | DATE: 02/10/13 | TIME ARRIVED: 0700 |
|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | AUTHOR: D. Marx, ~~D. Chaughan~~ R. Guarino | TIME LEFT: 1530 |

## WEATHER

TEMPERATURE: 37 °F WIND: – MPH VISIBILITY: Clear

## WORK / SAMPLING PERFORMED

Site inspection
Collected synoptic WLs
Collected DRC-2, SW-D-5, SW-R-1, SW-R-2, SW-R-3, SW-R-4, SW-R-6
purged MW-35s, -34s, -33s, -32s, 31s, 27s dry
collected site photos

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| Sample Bottles Not onsite | calls SP (TRC) Supervisor |

## COMMUNICATION

| NAME | REPRESENTING | SUBJECT / COMMENTS |
|---|---|---|
| SP | TRC | update |

## INVESTIGATION DERIVED WASTE SUMMARY

| WASTE MATRIX | QUANTITY | COMMENTS |
|---|---|---|
| Purge Water | ~ 12 gallons | drumed |

D. Marx 02/10/13
SIGNED DATE

4/13/13
CHECKED BY DATE

TRC

# GENERAL NOTES

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | DATE: 02/11/13 | TIME ARRIVED: 0630 |
| PROJECT NUMBER: | 199380.0000.0000 | AUTHOR: D. Marx, D. Shanahan | TIME LEFT: 1715 |

## WEATHER

TEMPERATURE: 34 °F WIND: 2-3 MPH VISIBILITY: rain/freezing rain

## WORK / SAMPLING PERFORMED

Sampled ~~MW~~ RB-01, SW-D-4, SW-D-3, SW-D-2 + DUP-01, SW-D-1
Sampled MW-34S, MW-35S, MW-32S, MW-31S, MW-33S, MW-27S
Sample Bottles Arrived Just before Noon. Dr. Cordon indicated that he was not informed that TRC would be on site for a week
Shipped all ~~samples~~ ~~that~~ samples including SW samples collected yesterday.

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

## COMMUNICATION

| NAME | REPRESENTING | SUBJECT / COMMENTS |
|---|---|---|
| DM | TRC | called SP gave update |
| DM | TRC | emailed SP, BC w/ update |

## INVESTIGATION DERIVED WASTE SUMMARY

| WASTE MATRIX | QUANTITY | COMMENTS |
|---|---|---|
| Purge water | ~2 gallons | Drummed |

SIGNED: [signature] DATE: 02/11/13

CHECKED BY: [signature] DATE: 4/13/13

REVISED 06/2011

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# GENERAL NOTES

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | DATE: 02/12/13 | TIME ARRIVED: 0630 |
| PROJECT NUMBER: | 199380.0000.0000 | AUTHOR: D. Marx, D. Shanahan | TIME LEFT: 1745 |

**WEATHER**

TEMPERATURE: — °F WIND: — MPH VISIBILITY: —

**WORK / SAMPLING PERFORMED**

Sampled MW-19-12, MW-19-6R, MW-19-15, MW-19-13, RB-02
MW-19-16, MW-19-14, MW-19-7R, MW-19R, ship samples

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| Car Parked on MW-19-17 | Knocked on door → no answer will sample tomorrow |
| COC incorrectly lists analysis TSS/TDS it should be TSS/TDS/Sulfate/Nitrate | Contacted J. Mink |

**COMMUNICATION**

| NAME | REPRESENTING | SUBJECT / COMMENTS |
|---|---|---|
| SP, BC | TRC | Emailed Update |
| J. Mink | TRACG | emailed COC correction + HPC sample number |

**INVESTIGATION DERIVED WASTE SUMMARY**

| WASTE MATRIX | QUANTITY | COMMENTS |
|---|---|---|
| ~35 gal | Purge water | Drummed |

SIGNED 02/12/13 DATE CHECKED BY 4/13/13 DATE

REVISED 06/2011

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# GENERAL NOTES

| | | |
|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | DATE: 02/13/13 | TIME ARRIVED: 0800 |
| PROJECT NUMBER: 199380.0000.0000 | AUTHOR: D. Marx, ~~D. Ghanahan~~ Tom Dolan | TIME LEFT: 1230 |

**WEATHER**

TEMPERATURE: ~ °F WIND: ~ MPH VISIBILITY: ~

**WORK / SAMPLING PERFORMED**

Sampled MW-25R, MW-29S, MW-28S, MW-8, MW-28I (MS/MSD)
MW-30D, MW-30I + DUP-02

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| MW-30S Frozen Unable to Sample | Called SP will try tomorrow |

**COMMUNICATION**

| NAME | REPRESENTING | SUBJECT / COMMENTS |
|---|---|---|
| SP BC | TRC | Email Update |

**INVESTIGATION DERIVED WASTE SUMMARY**

| WASTE MATRIX | QUANTITY | COMMENTS |
|---|---|---|
| Purge Water | | Drummed |

David Marx 02/13/13 — SIGNED — DATE

[illegible] 4/13/13 — CHECKED BY — DATE

TRC

# GENERAL NOTES

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | DATE: 02/14/13 | TIME ARRIVED: 0600 |
| PROJECT NUMBER: | 199380.0000.0000 | AUTHOR: D. Marx, ~~D. Shanahan~~ | TIME LEFT: 1520 |

**WEATHER**

TEMPERATURE: ~ °F WIND: ~ MPH VISIBILITY: ~

**WORK / SAMPLING PERFORMED**

Sampled MW-19-17, MW-19-5R + DUP-03, ATM-01
Site Inventory
Remove All Equipment & supplies from main building to Storage Shed; filtration kits to be stored in Millburn Office
Install ~~stakes~~ gauges SW-R-6 (stream flowing backwards due to recent rain) SW-D-1
MW-28S MW-28I locks replaced w/ 2400 Key locks

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| None | |

**COMMUNICATION**

| NAME | REPRESENTING | SUBJECT / COMMENTS |
|---|---|---|
| SP BC | TRC | Emailed Update |

**INVESTIGATION DERIVED WASTE SUMMARY**

| WASTE MATRIX | QUANTITY | COMMENTS |
|---|---|---|
| Purge Water | | Drained 3 drums full; Poly tank not used as per SP |

SIGNED: D. Marx DATE: 02/14/13 CHECKED BY: [signature] DATE: 4/13/13

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# EQUIPMENT SUMMARY

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | SAMPLER NAME: | D. Marx, D. Shanahan |
| PROJECT NO.: | 199380.0000.0000 | | |

**WATER LEVEL MEASUREMENTS COLLECTED WITH:**

| | |
|---|---|
| QED MP-30 | See PINE Packing Order |
| NAME AND MODEL OF INSTRUMENT | SERIAL NUMBER (IF APPLICABLE) |

**PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:**

| | |
|---|---|
| ~~QED~~ Solinist | ~~SAA~~ Project Dedicated |
| NAME AND MODEL OF INSTRUMENT | SERIAL NUMBER (IF APPLICABLE) |

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

| | |
|---|---|
| QED MP-30 | See Pine |
| NAME AND MODEL OF INSTRUMENT | SERIAL NUMBER (IF APPLICABLE) |

**PURGING METHOD:**

| | |
|---|---|
| BLADDER PUMP (QED SAMPLE PRO) | SAA + Project Dedicated |
| NAME AND MODEL OF PUMP OR TYPE OF BAILER | SERIAL NUMBER (IF APPLICABLE) |

**SAMPLING METHOD:**

| | |
|---|---|
| BLADDER PUMP (QED SAMPLE PRO) | SAA |
| NAME AND MODEL OF PUMP OR TYPE OF BAILER | SERIAL NUMBER (IF APPLICABLE) |
| GEOTECH DISPOSABLE FILTER | 0.45 MICRON |
| NAME AND MODEL OF FILTERATION DEVICE | FILTER TYPE AND SIZE |
| DISPOSABLE POLY TUBING | ☑ LOW-FLOW SAMPLING EVENT |
| TUBING TYPE | |

**PURGE WATER DISPOSAL METHOD:**

☐ GROUND ☐ DRUM ☐ POTW ~~☑ POLYTANK~~ ☒ OTHER Drums 55 gallon

**DECONTAMINATION AND FIELD BLANK WATER SOURCE:**

| | |
|---|---|
| STORE BOUGHT | STORE BOUGHT |
| POTABLE WATER SOURCE | DI WATER SOURCE |
| [signature] 02/14/13 | [signature] 4/13/13 |
| SIGNED DATE | CHECKED BY DATE |

REVISED 06/2011

TRC

# WATER QUALITY METER CALIBRATION LOG

| | | | | | |
|---|---|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | MODEL: | Horiba-U52 | SAMPLER: | DM, ~~BRS~~ RG |
| PROJECT NO.: | 199380.0000.0000 | SERIAL #: | 21203 Pro | DATE: | 02/10/13 |

## PH CALIBRATION CHECK

| pH 7 (LOT #) (EXP. DATE) 02/15 POST-CAL. READING / STANDARD | pH 4/10 (LOT #) (EXP. DATE) 02/15 POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

NA

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CAL. READING (LOT #) (EXP. DATE) POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

NA

## ORP CALIBRATION CHECK

| CAL. READING (LOT #) (EXP. DATE) POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

NA

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | CAL. RANGE | TIME |
|---|---|---|
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |

NA

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (NTU) (LOT #) (EXP. DATE) POST-CAL. READING / STANDARD | (LOT #) (EXP. DATE) POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

NA

## COMMENTS

☒ AUTOCAL SOLUTION (LOT #) (EXP. DATE) 04/14

☐ STANDARD SOLUTION (S) — LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK

| CALIBRATED PARAMETERS | | CALIBRATION RANGES[1] | |
|---|---|---|---|
| ☒ | pH 4.00 | pH: | +/- 0.2 S.U. |
| ☒ | COND 4.47 | COND: | +/- 1% OF CAL. STANDARD |
| ☐ | ORP | ORP: | +/- 25 mV |
| ☒ | D.O. 10.01 | D.O.: | VARIES |
| ☒ | TURB. 0 | TURB: | +/- 5% OF CAL. STANDARD |
| ☐ | | | |
| ☐ | | | |

[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER

## NOTES

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

SIGNED [signature] DATE 02/10/13

CHECKED BY [signature] DATE 4/13/13

9/74

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21203
**Description** Horiba U-52
**Calibrated** 1/31/2013 10:40:00AM

**Manufacturer** Horiba
**Model Number** U-5000
**Serial Number/ Lot Number** 6KXFCY5X
**Location** New Jersey
**Department**

**State Certified**
**Status** Pass
**Temp °C** 21
**Humidity %** 44

### Calibration Specifications

**Group #** 1
**Group Name** PH
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 7.01 / 7.01 | PH | 7.01 | PH | 7.00 | 7.00 | -0.14% | Pass |
| 4.01 / 4.01 | PH | 4.01 | PH | 4.00 | 4.00 | -0.25% | Pass |

**Group #** 2
**Group Name** Turbidity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | NTU | 0.00 | NTU | 0.00 | 0.00 | 0.00% | Pass |
| 800.00 / 800.00 | NTU | 800.00 | NTU | 800.00 | 800.00 | 0.00% | Pass |

**Group #** 3
**Group Name** Conductivity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.000

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.718 / 0.718 | ms/cm | 0.718 | ms/cm | 0.718 | 0.718 | 0.00% | Pass |
| 5.000 / 5.000 | ms/cm | 5.000 | ms/cm | 5.000 | 5.000 | 0.00% | Pass |
| 80.000 / 80.000 | ms/cm | 80.000 | ms/cm | 80.000 | 80.000 | 0.00% | Pass |

**Group #** 4
**Group Name** Redox (ORP)
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 240.00 / 240.00 | mv | 240.00 | mv | 240.00 | 240.00 | 0.00% | Pass |

**Group #** 5
**Group Name** Disolved Oxygen Zero
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00



4/15/13

10/74

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21203
**Description** Horiba U-52
**Calibrated** 1/31/2013 10:40:00AM

**Group #** 5 — **Range Acc %** 0.0000
**Group Name** Disolved Oxygen Zero — **Reading Acc %** 3.0000
**Stated Accy** Pct of Reading — **Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | mg/L | 0.00 | mg/L | 0.00 | 0.00 | 0.00% | Pass |

**Group #** 6 — **Range Acc %** 0.0000
**Group Name** Temperature DO Span — **Reading Acc %** 0.0000
**Stated Accy** Plus / Minus — **Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 20.00 / 20.00 | degrees C | 8.84 | mg/L | 8.84 | 8.84 | 0.00% | Pass |

**Test Instruments Used During the Calibration** (As Of Cal Entry Date)

| Test Standard ID | Description | Manufacturer | Model Number | Serial Number / Lot Number | Last Cal Date/ Opened Date | Next Cal Date / Expiration Date |
|---|---|---|---|---|---|---|
| NJ AUTO CAL: C254820 | Auto Cal Solution: 4.01 PH / 0.0 NTU / 4.49 mS/cm | GFS | AUTO CAL. 8483 | C254820 | 1/28/2013 | 8/31/2013 |
| NJ COND 5K: 2AD098 | Conductivity 5000 uS/cm | AquaPhoenix Scientific | 5000 | 2AD098 | 4/23/2012 | 4/30/2013 |
| NJ COND 718: 2AG277 | Conductivity 718 uS/cm | AquaPhoenix Scientific | 718 | 2AG277 | 1/10/2013 | 7/31/2013 |
| NJ COND 80K: 2AL015 | Conductivity 80K uS/cm | AquaPhoenix Scientific | 80, 000 | 2AL015 | 1/10/2013 | 12/31/2013 |
| NJ DO ZERO: 2011030423 | HORIBA SODIUM SULFITE | EMD | SX07853 | 2011030423 | 1/25/2013 | 4/25/2013 |
| NJ ORP 240 MV: 4253 | ORP solution 240mv | Hanna | 240Mv | 4253 | 8/31/2012 | 4/30/2017 |
| NJ PH 7: 2AL203 | BUFFER, PH7 YELLOW | AquaPhoenix Scientific | PH7 | 2AL203 | 1/21/2013 | 12/31/2014 |
| NJ TURB 800 201046-4 | Turbidity 800 NTU | Horiba | | 201046-4 | | |

**Sensor Information**

| Sensor Type | Manufacturer | Serial Number | Date Installed |
|---|---|---|---|



4/15/13

11/74

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**

92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21203
**Description** Horiba U-52
**Calibrated** 1/31/2013 10:40:00AM

**Notes about this calibration**

**Calibration Result** Calibration Successful
**Who Calibrated** Lawrence Fischer

All instruments are calibrated by Pine Environmental Services, Inc. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

**Notify Pine Environmental Services, Inc. of any defect within 24 hours of receipt of equipment**
**Please call 866-960-7463 for Technical Assistance**



4/15/13

12/74

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21122
**Description** Horiba U-52
**Calibrated** 1/31/2013 10:35:20AM

**Manufacturer** Horiba
**Model Number** U-52
**Serial Number/ Lot Number** V0SJ3PJW
**Location** New Jersey
**Department**

**State Certified**
**Status** Pass
**Temp °C** 21
**Humidity %** 44

### Calibration Specifications

**Group #** 1
**Group Name** PH
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 7.01 / 7.01 | PH | 7.01 | PH | 7.00 | 7.00 | -0.14% | Pass |
| 4.01 / 4.01 | PH | 4.01 | PH | 4.00 | 4.00 | -0.25% | Pass |

**Group #** 2
**Group Name** Turbidity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | NTU | 0.00 | NTU | 0.00 | 0.00 | 0.00% | Pass |
| 800.00 / 800.00 | NTU | 800.00 | NTU | 800.00 | 800.00 | 0.00% | Pass |

**Group #** 3
**Group Name** Conductivity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.000

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.718 / 0.718 | ms/cm | 0.718 | ms/cm | 0.718 | 0.718 | 0.00% | Pass |
| 5.000 / 5.000 | ms/cm | 5.000 | ms/cm | 5.000 | 5.000 | 0.00% | Pass |
| 80.000 / 80.000 | ms/cm | 80.000 | ms/cm | 80.000 | 80.000 | 0.00% | Pass |

**Group #** 4
**Group Name** Redox (ORP)
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 240.00 / 240.00 | mv | 240.00 | mv | 240.00 | 240.00 | 0.00% | Pass |

**Group #** 5
**Group Name** Disolved Oxygen Zero
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00



4/15/13

13/74

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**

92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21122
**Description** Horiba U-52
**Calibrated** 1/31/2013 10:35:20AM

**Group #** 5
**Group Name** Disolved Oxygen Zero
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | mg/L | 0.00 | mg/L | 0.00 | 0.00 | 0.00% | Pass |

**Group #** 6
**Group Name** Temperature DO Span
**Stated Accy** Plus / Minus
**Range Acc %** 0.0000
**Reading Acc %** 0.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 20.00 / 20.00 | degrees C | 8.84 | mg/L | 8.84 | 8.84 | 0.00% | Pass |

**Test Instruments Used During the Calibration** (As Of Cal Entry Date)

| Test Standard ID | Description | Manufacturer | Model Number | Serial Number / Lot Number | Last Cal Date/ Opened Date | Next Cal Date / Expiration Date |
|---|---|---|---|---|---|---|
| NJ AUTO CAL: C254820 | Auto Cal Solution: 4.01 PH / 0.0 NTU / 4.49 mS/cm | GFS | AUTO CAL. 8483 | C254820 | 1/28/2013 | 8/31/2013 |
| NJ COND 5K: 2AD098 | Conductivity 5000 uS/cm | AquaPhoenix Scientific | 5000 | 2AD098 | 4/23/2012 | 4/30/2013 |
| NJ COND 718: 2AG277 | Conductivity 718 uS/cm | AquaPhoenix Scientific | 718 | 2AG277 | 1/10/2013 | 7/31/2013 |
| NJ COND 80K: 2AL015 | Conductivity 80K uS/cm | AquaPhoenix Scientific | 80, 000 | 2AL015 | 1/10/2013 | 12/31/2013 |
| NJ DO ZERO: 2011030423 | HORIBA SODIUM SULFITE | EMD | SX07853 | 2011030423 | 1/25/2013 | 4/25/2013 |
| NJ ORP 240 MV: 4253 | ORP solution 240mv | Hanna | 240Mv | 4253 | 8/31/2012 | 4/30/2017 |
| NJ PH 7: 2AL203 | BUFFER, PH7 YELLOW | AquaPhoenix Scientific | PH7 | 2AL203 | 1/21/2013 | 12/31/2014 |
| NJ TURB 800 201046-4 | Turbidity 800 NTU | Horiba | | 201046-4 | | |

**Sensor Information**

| Sensor Type | Manufacturer | Serial Number | Date Installed |
|---|---|---|---|



4/15/13

14/74

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**

92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21122
**Description** Horiba U-52
**Calibrated** 1/31/2013 10:35:20AM

**Notes about this calibration**

**Calibration Result** Calibration Successful
**Who Calibrated** Lawrence Fischer

All instruments are calibrated by Pine Environmental Services, Inc. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

**Notify Pine Environmental Services, Inc. of any defect within 24 hours of receipt of equipment**
**Please call 866-960-7463 for Technical Assistance**



4/15/13

15/74

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21321
**Description** Horiba U-52
**Calibrated** 2/4/2013 11:03:11AM

**Manufacturer** Horiba
**Model Number** U-5000
**Serial Number/ Lot Number** SE0JX4V5
**Location** New Jersey
**Department**

**State Certified**
**Status** Pass
**Temp °C** 19.8
**Humidity %** 24

### Calibration Specifications

**Group #** 1
**Group Name** PH
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 7.01 / 7.01 | PH | 7.01 | PH | 7.00 | 7.00 | -0.14% | Pass |
| 4.01 / 4.01 | PH | 4.01 | PH | 4.00 | 4.00 | -0.25% | Pass |

**Group #** 2
**Group Name** Turbidity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | NTU | 0.00 | NTU | 0.00 | 0.00 | 0.00% | Pass |
| 800.00 / 800.00 | NTU | 800.00 | NTU | 800.00 | 800.00 | 0.00% | Pass |

**Group #** 3
**Group Name** Conductivity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.000

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.718 / 0.718 | ms/cm | 0.718 | ms/cm | 0.718 | 0.718 | 0.00% | Pass |
| 5.000 / 5.000 | ms/cm | 5.000 | ms/cm | 5.000 | 5.000 | 0.00% | Pass |
| 80.000 / 80.000 | ms/cm | 80.000 | ms/cm | 80.000 | 80.000 | 0.00% | Pass |

**Group #** 4
**Group Name** Redox (ORP)
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 240.00 / 240.00 | mv | 240.00 | mv | 240.00 | 240.00 | 0.00% | Pass |

**Group #** 5
**Group Name** Disolved Oxygen Zero
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00



4/15/13

16/74

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21321
**Description** Horiba U-52
**Calibrated** 2/4/2013 11:03:11AM

**Group #** 5 — **Range Acc %** 0.0000
**Group Name** Disolved Oxygen Zero — **Reading Acc %** 3.0000
**Stated Accy** Pct of Reading — **Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | mg/L | 0.00 | mg/L | 0.00 | 0.00 | 0.00% | Pass |

**Group #** 6 — **Range Acc %** 0.0000
**Group Name** Temperature DO Span — **Reading Acc %** 0.0000
**Stated Accy** Plus / Minus — **Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 20.00 / 19.00 | degrees C | 9.01 | mg/L | 9.01 | 9.01 | 0.00% | Pass |

**Test Instruments Used During the Calibration** (As Of Cal Entry Date)

| Test Standard ID | Description | Manufacturer | Model Number | Serial Number / Lot Number | Last Cal Date/ Opened Date | Next Cal Date / Expiration Date |
|---|---|---|---|---|---|---|
| NJ AUTO CAL: C254820 | Auto Cal Solution: 4.01 PH / 0.0 NTU / 4.49 mS/cm | GFS | AUTO CAL. 8483 | C254820 | 1/28/2013 | 8/31/2013 |
| NJ COND 5K: 2AD098 | Conductivity 5000 uS/cm | AquaPhoenix Scientific | 5000 | 2AD098 | 4/23/2012 | 4/30/2013 |
| NJ COND 718: 2AG277 | Conductivity 718 uS/cm | AquaPhoenix Scientific | 718 | 2AG277 | 1/10/2013 | 7/31/2013 |
| NJ COND 80K: 2AL015 | Conductivity 80K uS/cm | AquaPhoenix Scientific | 80, 000 | 2AL015 | 1/10/2013 | 12/31/2013 |
| NJ DO ZERO: 2011030423 | HORIBA SODIUM SULFITE | EMD | SX07853 | 2011030423 | 1/25/2013 | 4/25/2013 |
| NJ ORP 240 MV: 4253 | ORP solution 240mv | Hanna | 240Mv | 4253 | 8/31/2012 | 4/30/2017 |
| NJ PH 7: 2AL203 | BUFFER, PH7 YELLOW | AquaPhoenix Scientific | PH7 | 2AL203 | 1/21/2013 | 12/31/2014 |
| NJ TURB 800 201046-4 | Turbidity 800 NTU | Horiba | | 201046-4 | | |

**Sensor Information**

| Sensor Type | Manufacturer | Serial Number | Date Installed |
|---|---|---|---|



4/15/13

17/74

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21321
**Description** Horiba U-52
**Calibrated** 2/4/2013 11:03:11AM

**Notes about this calibration**

**Calibration Result** Calibration Successful
**Who Calibrated** Luis Vargas

All instruments are calibrated by Pine Environmental Services, Inc. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

**Notify Pine Environmental Services, Inc. of any defect within 24 hours of receipt of equipment**
**Please call 866-960-7463 for Technical Assistance**



4/15/13

TRC

# WATER LEVEL DATA

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | DATE: | 02/10/13 |
| PROJECT NUMBER: | 199380.0000.0000 | AUTHOR: | D. Marx, D. Shanahan |

| WELL LOCATION | TIME | REFERENCE | DEPTH TO WATER (FEET) | DEPTH TO BOTTOM (FEET) | DEPTH TO PRODUCT (FEET) | WATER ELEVATION |
|---|---|---|---|---|---|---|
| MW-19R | 0923 | | 8.05 | 15.34 | | |
| MW-19-5R | 0907 | | 8.49 | 15.98 | | |
| MW-19-6R | 0909 | | 8.64 | 15.56 | | |
| MW-19-7R | 0912 | | 8.29 | 15.53 | | |
| MW-19-8 | 0920 | | 8.44 | 19.48 | | |
| MW-19-12 | 0914 | | 7.75 | 16.69 | | |
| MW-19-13 | 0906 | | 7.77 | 15.06 | | |
| MW-19-14 | 0905 | | 7.90 | 15.99 | | |
| MW-19-15 | 0902 | | 8.89 | 16.65 | | |
| MW-19-16 | 0900 | | 8.52 | 15.45 | | |
| MW-19-17 | 0916 | | 9.07 | 15.59 | | |
| GEI-3I | — | | NM | NA | | |
| | | | | | | |
| | | | | | | |
| MW-25R | 1007 | | 2.24 | 9.5 | | |
| MW-21 | 1005 | | 3.49 | 18.09 | | |
| MW-27S | | | 8.80 | 13.04 | | |
| MW-28S | 1042 | | 5.56 | 17.63 | | |
| MW-28I | 1043 | | 5.53 | 22.81 | | |
| MW-29S | | | 7.31 | 14.59 | | |
| MW-30S(R) | 1046 | | 2.46 | 12.93 | Fuser | |
| MW-30I | 1048 | | 2.54 | 18.05 | Fuser | |
| | | | | | | |
| | | | | | | |

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

D. Marx 02/11/13
SIGNED DATE

CHECKED 4/13/13
DATE

TRC

# WATER LEVEL DATA

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | DATE: | 2/10/13 |
| PROJECT NUMBER: | 199380.0000.0000 | AUTHOR: | D. Marx, D. Shanahan |

| WELL LOCATION | TIME | REFERENCE | DEPTH TO WATER (FEET) | DEPTH TO BOTTOM (FEET) | DEPTH TO PRODUCT (FEET) | WATER ELEVATION |
|---|---|---|---|---|---|---|
| MW-30D | 1050 | | 2.66 | NA | Frozen | |
| MW-31s | 1014 | | 5.18 | 10.35 | ND | |
| MW-32s | 1012 | | 5.50 | 10.44 | ND | |
| MW-33s | 1015 | | 5.85 | 10.3 | ND | |
| MW-34s | 1010 | | 5.31 | 10.35 | ND | |
| MW-35s | 1008 | | 4.50 | 10.25 | ND | |
| | | | | | | |
| | | | | | | |
| SW-D-1 | 1139 | | NA | NA | Frozen | |
| SW-D-2 | 1128 | | 2.11 | NA | Frozen | |
| SW-D-3 | 1123 | | 1.35 | NA | Frozen | |
| SW-D-4 | 1122 | | 1.90 | NA | Frozen | |
| SW-D-5 | 1121 | | 3.01 | NA | Frozen | |
| SW-R-1 | 1112 | | ~2.15 | NA | Frozen | |
| SW-R-2 | 1037 | | ~~2.81~~ | NA | Frozen | |
| SW-R-3 | 1110 | | NM | NA | | |
| SW-R-4 | 1039 | | 2.56 | NA | | |
| SW-R-5 | 1042 | | NM | NA | | |
| SW-R-6 | 1045 | | NA | NA | | |
| | | | | | | |
| DRC-2 | 1038 | | 1.25 | NA | | |
| SG-R2 | 1036 | | 2.81 | NA | | |
| | | | | | | |
| | | | | | | |

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

D. Marx 02/11/13
SIGNED DATE

4/13/13
CHECKED DATE

TRC

# WATER LEVEL DATA

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | DATE: | 2/10/13 |
| PROJECT NUMBER: | 199380.0000.0000 | AUTHOR: | D. Marx, D. Shanahan |

| WELL LOCATION | TIME | REFERENCE | DEPTH TO WATER (FEET) | DEPTH TO BOTTOM (FEET) | DEPTH TO PRODUCT (FEET) | WATER ELEVATION |
|---|---|---|---|---|---|---|
| MW-15S | 1413 | | 10.11 | NA | NA | |
| MW-15I | 1410 | | 10.09 | NA | NA | |
| | | | | | | |
| | | | | | | |
| MW-17S | 1039 | | 7.05 | NA | [illegible] | |
| MW-12R | 1036 | | 7.49 | NA | | |
| MW-9 | 1033 | | 3.61 | NA | ~~unable to locate~~ | |
| MW-8 | 1027 | | 2.74 | | | |
| MW-13S | | | NM | NA | unable to open | |
| MW-13I | 1910 | | 4.56 | NA | | |
| MW-13S (R) | | | NM | NA | unable to open | |
| | | | | | | |
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ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

D. Marx 02/11/13
SIGNED DATE

4/13/13
CHECKED DATE

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS | DATE: 02/10/13 | BY: HTi AB | DATE: 4/13/13 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1132 | DATE: 02/10/13 |
|---|---|---|---|---|---|
| PURGE METHOD: ☐ PUMP ☐ BAILER | | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

BOTTLES FILLED: PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - [illegible]

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8099-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM DPS | DATE: 02/10/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: SW-0-5 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1143 | DATE: 02/10/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 µm) ☐ YES ☑ NO | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM, DPS | DATE: 02/11/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: DRC-02

WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1151 | DATE: 02/10/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☐ PUMP ☐ BAILER

DEPTH TO WATER: T/ PVC

DEPTH TO BOTTOM: T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: ☐ LITERS ☐ GALLONS

COLOR: ODOR:

TURBIDITY: ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER

PH: SU CONDUCTIVITY: umhos/cm

ORP: mV DO: mg/L

TURBIDITY: NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: °C OTHER:

COLOR: ODOR:

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: – | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM, DPS | DATE: 02/10/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: SW-K-1 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1203 | DATE: 02/10/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP. | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM DPS | DATE: 02/10/13 | BY: TAB | DATE: 4/13/13 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1215 | DATE: 02/10/13 |
|---|---|---|---|---|---|

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

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
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| | | | | | | | | | |

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FedEx | DATE SHIPPED: | 02/11/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | — | SIGNATURE: | [signature] | DATE SIGNED: | 02/11/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS | DATE: 02/10/13 | BY: TAB | DATE: 4/13/13 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1221 | DATE: 02/10/13 |
|---|---|---|---|---|---|
| PURGE METHOD: ☐ PUMP ☐ BAILER | | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP. | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM DPS | DATE: 02/10/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: SW-K-6 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1249 | DATE: 02/10/13 |
|---|---|---|---|---|---|

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

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM, DPS | DATE: 02/10/13 | BY: TAB | DATE: 4/13/13 |

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

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

SAMPLE TYPE: ☐ GW ☐ WW ~~☑ SW~~ ☐ DI ☐ LEACHATE ☒ OTHER Blank

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1338 | DATE: 02/10/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: ____ SU | CONDUCTIVITY: ____ umhos/cm | |
| | | | ORP: ____ mV | DO: ____ mg/L | |
| DEPTH TO WATER: ____ T/ PVC | | | TURBIDITY: ____ NTU | | |
| DEPTH TO BOTTOM: ____ T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ____ ☐ LITERS ☐ GALLONS | | | TEMPERATURE: ____ °C | OTHER: ____ | |
| VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS | | | COLOR: ____ | ODOR: ____ | |
| COLOR: ____ ODOR: ____ | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY | | | FILTRATE COLOR: ____ | FILTRATE ODOR: ____ | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- ____ | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: | FedEx | DATE SHIPPED: | 02/11/13 | AIRBILL NUMBER: | 1999-8057-9 |
|---|---|---|---|---|---|
| COC NUMBER: | — | SIGNATURE: | [illegible] | DATE SIGNED: | 02/11/13 |

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TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM DPS | DATE: 02/10/13 | BY: TAB | DATE: 4/15/13 |

SAMPLE ID: SW-0-4 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1409 | DATE: ~~02/10/13~~ 2/11/13 |
|---|---|---|---|---|---|
| PURGE METHOD: ☐ PUMP ☐ BAILER | | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM / DPS | DATE: 02/10/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: SW-02-3 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1417 | DATE: 02/10/13 |
|---|---|---|---|---|---|
| PURGE METHOD: ☐ PUMP ☐ BAILER | | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM, DPS | DATE: 02/11/13 | BY: TAB | DATE: 4/13/13 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1429 | DATE: 02/11/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD | ☒ DUP- 01 | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |

| SHIPPING METHOD: Fedex | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999 8069 9 |
|---|---|---|
| COC NUMBER: | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM, DPS | DATE: 02/11/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: SW-0-1 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1441 | DATE: 02/11/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8057-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. [illegible] | DATE SIGNED: 02/11/13 |

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED |
|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/10/13 | BY: TAB DATE: 4/13/13 |

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

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

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

| PURGING | TIME: 1440 | DATE: 02/10/13 | SAMPLE | TIME: 0935 | DATE: 02/11/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Peristaltic [ ] BAILER

DEPTH TO WATER: 5.31 T/ PVC

DEPTH TO BOTTOM: 10.35 T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: NM 6 [X] LITERS [ ] GALLONS

COLOR: clear ODOR: strong

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

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

PH: 6.66 SU CONDUCTIVITY: 1010 umhos/cm

ORP: -39 mV DO: 4.99 mg/L

TURBIDITY: 4.5 NTU

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

TEMPERATURE: 3.2 °C OTHER:

COLOR: clear ODOR: slight

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

FILTRATE COLOR: clear FILTRATE ODOR: No

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

COMMENTS: Fe= 1 Alk= 100 CO2= 70

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORL) |
|---|---|---|---|---|---|---|---|---|---|
| 1440 | 300 | 7.12 | 1100 | 25 | 4.99 | 12.2 | 3.0 | 5.31 | INITIAL |
| 1445 | ↓ | 6.69 | 1010 | ~~-80~~ -20 | 5.12 | 10.1 | 2.9 | — | 1.5 |
| 1450 | ↓ | 6.66 | 1010 | -83 | 5.01 | 11.3 | 3.1 | 7.99 | 3.0 |
| 1455 | ↓ | 6.67 | 1000 | -42 | 4.99 | 9.9 | 3.2 | — | 4.5 |
| 1500 | ↓ | 6.66 | 1010 | -39 | 4.99 | 4.5 | 3.2 | dry | 6L |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/11/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: [illegible] WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 1443 | DATE: 02/10/13 | SAMPLE | TIME: 0942 | DATE: 02/11/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Peristaltic [ ] BAILER

DEPTH TO WATER: 4.50 T/ PVC

DEPTH TO BOTTOM: 10.25 T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 9 [X] LITERS [ ] GALLONS

COLOR: clear ODOR: moderate

TURBIDITY: [X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

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

PH: 6.86 SU CONDUCTIVITY: 840 umhos/cm

ORP: -29 mV DO: 5.29 mg/L

TURBIDITY: 6.4 NTU

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

TEMPERATURE: 4.00 °C OTHER:

COLOR: clear ODOR: moderate

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

FILTRATE COLOR: clear FILTRATE ODOR: moderate

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

COMMENTS: Fe= 15 Alk= 100 CO2= 40

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORS) |
|---|---|---|---|---|---|---|---|---|---|
| 1444 | 300 | 5.90 | 890 | -80 | 8.91 | 29.1 | 3.2 | 4.50 | INITIAL |
| 1449 | ↓ | 5.97 | 786 | -105 | 5.59 | 17.3 | 3.5 | — | 1.5 |
| 1454 | | 6.00 | 800 | -100 | 5.54 | 14.1 | 4.1 | 6.12 | 3.0 |
| 1459 | | 6.21 | 799 | -105 | 5.40 | 9.8 | 4.21 | — | 4.5 |
| 1504 | | 6.33 | 850 | -32 | 0.31 | 9.6 | 4.6 | 8.87 | 6.0 |
| 1509 | | 6.35 | 840 | -29 | 5.22 | 7.2 | 4.0 | — | 7.5 |
| 1514 | ↓ | 6.36 | 840 | -29 | 5.29 | 6.4 | 4.00 | dry | 9.0 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/10/13 | BY: TAB | DATE: 4/13/13 |

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

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

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

| PURGING | TIME: 1513 | DATE: 02/10/13 | SAMPLE | TIME: 0959 | DATE: 02/11/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☑ PUMP peristaltic ☐ BAILER

DEPTH TO WATER: 5.50 T/ PVC

DEPTH TO BOTTOM: 10.44 T/ PVC

WELL VOLUME: ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6 ☑ LITERS ☐ GALLONS

COLOR: NM ODOR: NM

TURBIDITY: ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☑ DRUM ~~☐ OTHER~~

PH: 6.88 SU CONDUCTIVITY: 1200 umhos/cm

ORP: -69 mV DO: 5.61 mg/L

TURBIDITY: 10.1 NTU

☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 3.07 °C OTHER:

COLOR: NM ODOR: NM

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☑ ~~DUP~~-

COMMENTS: Fe= 12 Alk= 70 CO2= 100

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1513 | 300 | 6.62 | 1200 | -47 | 8.99 | 21.3 | 2.99 | 5.50 | INITIAL |
| 1518 | ↓ | 6.67 | 1190 | -50 | 7.01 | 19.6 | 3.00 | — | 1.5 |
| 1523 | | 6.79 | 1190 | -53 | 6.01 | 19.4 | 3.00 | — | 3.0 |
| 1528 | | 6.86 | 1200 | -55 | 5.85 | 13.2 | 3.00 | — | 4.5 |
| 1533 | ↓ | 6.88 | 1200 | -69 | 5.61 | 10.1 | 3.07 | dry | 6.0 |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-7 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/10/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-35 WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

**PURGING** TIME: 1520 DATE: 02/10/13

PURGE METHOD: ☒ PUMP peri ☐ BAILER

DEPTH TO WATER: 5.18 T/ PVC

DEPTH TO BOTTOM 10.34 T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6.0 ☒ LITERS ☐ GALLONS

COLOR: clear ODOR: strong

TURBIDITY

☐ NONE ☒ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ~~☐ OTHER~~

**SAMPLE** TIME: 1004 DATE: 02/11/13

PH: 6.69 SU CONDUCTIVITY: 1190 umhos/cm

ORP: -100 mV DO: 2.07 mg/L

TURBIDITY: 3.1 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 4.11 °C OTHER:

COLOR: clear ODOR: moderate

FILTRATE (0.45 um) ☒ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: moderate

QC SAMPLE: ☐ MS/MSD ~~☐ DUP.~~

COMMENTS: Fe= 0 Alk= 70 CO2= 80

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1520 | 300 | 5.99 | 1190 | -60 | 7.59 | 22.1 | 4.01 | 5.08 | INITIAL |
| 1525 | ↓ | 6.11 | 1190 | -63 | 2.35 | 19.5 | 4.11 | — | 1.5 |
| 1530 | | 6.23 | 1100 | -75 | 2.20 | 10.3 | 4.10 | 7.99 | 3.0 |
| 1535 | | 6.55 | 1100 | -88 | 2.12 | 5.4 | 4.10 | — | 4.5 |
| 1540 | | 6.69 | 1190 | -100 | 2.07 | 3.1 | 4.11 | dry | 6.0 |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 6 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

**BOTTLES FILLED** PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y | ☒ N | 1 | 125 mL | PLASTIC | B | ☒ Y | ☐ N |
| 2 | 40 mL | VOA | A | ☐ Y | ☒ N | 1 | 100 mL | PLASTIC | F | ☐ Y | ☒ N |
| 2 | 1 L | AMBER | A | ☐ Y | ☒ N | | | | | ☐ Y | ☐ N |
| 1 | 500mL | PLASTIC | A | ☐ Y | ☒ N | | | | | ☐ Y | ☐ N |
| 1 | 125 mL | PLASTIC | C | ☐ Y | ☒ N | | | | | ☐ Y | ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8859-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Mp | DATE SIGNED: 02/11/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED |
|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/10/13 | BY: TAB DATE: 4/13/13 |

SAMPLED: MW-7A WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

**PURGING** TIME: 1531 DATE: 02/10/13

PURGE METHOD: [X] PUMP peristaltic [ ] BAILER

DEPTH TO WATER: 5.80 T/ PVC

DEPTH TO BOTTOM: 10.30 T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 4.5 [X] LITERS [ ] GALLONS

COLOR: NM ODOR: NM

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

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

**SAMPLE** TIME: 1015 DATE: 02/11/13

PH: 6.73 SU CONDUCTIVITY: 803 umhos/cm

ORP: -39 mV DO: 4.29 mg/L

TURBIDITY: 4.1 NTU

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

TEMPERATURE: 3.21 °C OTHER:

COLOR: NM ODOR: NM

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

FILTRATE COLOR: clear FILTRATE ODOR:

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

COMMENTS: Fe= NA Alk= 70 CO2= 100

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORD) |
|---|---|---|---|---|---|---|---|---|---|
| 1531 | 300 | 7.19 | 1000 | -40 | 7.99 | 9.6 | 3.20 | 5.75 | INITIAL |
| 1536 | ↓ | 6.76 | 850 | -38 | 4.45 | 7.1 | 3.20 | — | 1.5 |
| 1541 | ↓ | 6.74 | 810 | -39 | 4.30 | 5.2 | 3.20 | — | 3.0 |
| 1546 | ✓ | 6.73 | 803 | -39 | 4.29 | 4.1 | 3.21 | dry | 4.5 |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8057-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED |
|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/10/13 | BY: TAB DATE: 4/13/13 |

SAMPLE ID: [illegible] WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1600 | DATE: 02/10/13 |
|---|---|---|
| PURGE METHOD: | ☒ PUMP peristaltic ☐ BAILER | |
| DEPTH TO WATER: 8.90 T/ PVC | | |
| DEPTH TO BOTTOM 13.04 T/ PVC | | |
| WELL VOLUME: NM ☐ LITERS ☐ GALLONS | | |
| VOLUME REMOVED: 3 ☒ LITERS ☐ GALLONS | | |
| COLOR: clear ODOR: none | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY | | |
| DISPOSAL METHOD ☐ GROUND ☒ DRUM ~~☐ OTHER~~ | | |

| SAMPLE | TIME: 1374 | DATE: 02/11/13 |
|---|---|---|
| PH: 6.89 SU | CONDUCTIVITY: 1210 umhos/cm | |
| ORP: 71 mV | DO: 0.37 mg/L | |
| TURBIDITY: 18.3 NTU | | |
| ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | | |
| TEMPERATURE: 5.01 °C | OTHER: | |
| COLOR: clear | ODOR: None | |
| FILTRATE (0.45 um) ☑ YES ☐ NO | | |
| FILTRATE COLOR: clear | FILTRATE ODOR: none | |
| QC SAMPLE: ☐ MS/MSD | ☑ ~~DUP~~ | |
| COMMENTS: Fe= NA Alk= NA CO2= NA | | |

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1600 | 300 | 7.26 | 1210 | 90 | 8.99 | 30.1 | 5.00 | 8.90 | INITIAL |
| 1605 | ↓ | 7.00 | 1210 | 86 | 6.11 | 21.2 | 5.00 | — | 1.5 |
| 1610 | | 6.89 | 1210 | 71 | 0.37 | 19.3 | 5.01 | dry | 3.0 |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 6 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/11/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/11/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-14-12 WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 0907 | DATE: 02/12/13 | SAMPLE | TIME: 0943 | DATE: 02/12/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 7.70 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 14 [X] LITERS ~~[ ] GALLONS~~

COLOR: Clear ODOR: None

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

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

PH: 7.04 SU CONDUCTIVITY: 476 umhos/cm

ORP: 637 mV DO: 5.91 mg/L

TURBIDITY: 0.0 NTU

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

TEMPERATURE: 7.28 °C OTHER:

COLOR: Clear ODOR: None

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

FILTRATE COLOR: Clear FILTRATE ODOR: none

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

COMMENTS: Fe= 0 Alk= 50 CO2= 10

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 0907 | 400 | 6.84 | 452 | 374 | 7.40 | 13.0 | 6.96 | 7.70 | INITIAL |
| 0912 | 400 | 6.78 | 476 | 535 | 7.11 | 6.4 | 7.20 | — | ~~1.5~~ 2 |
| 0917 | 400 | 6.71 | 472 | 583 | 7.25 | 2.1 | 7.27 | 7.70 | ~~3.0~~ 4 |
| 0922 | 400 | 6.81 | 481 | 593 | 6.11 | 1.5 | 7.32 | — | ~~4.5~~ 6 |
| 0927 | 400 | 6.91 | 476 | 610 | 4.90 | 1.1 | 7.27 | 7.70 | ~~6.0~~ 8 |
| 0932 | 400 | 7.01 | 476 | 621 | 5.93 | 0.0 | 7.28 | — | ~~7.5~~ 10 |
| 0937 | 400 | 7.02 | 476 | 633 | 5.95 | 0.0 | 7.26 | 7.70 | ~~9.0~~ 12 |
| 0942 | 400 | 7.04 | 476 | 637 | 5.91 | 0.0 | 7.28 | — | ~~10.5~~ 14.0 |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 02/12/13 | AIRBILL NUMBER: 1555-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/12/13 |

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM DPS DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-14-GW WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 0833 | DATE: 2/12/13 | SAMPLE | TIME: 1003 | DATE: 02/12/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 8.56 T/ PVC

DEPTH TO BOTTOM 15.55 T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 10 [ ] LITERS [X] GALLONS

COLOR: Sl. Yellow to Clear ODOR: None

TURBIDITY: [ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

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

PH: 6.33 SU CONDUCTIVITY: 1720 umhos/cm

ORP: 42 mV DO: 5.92 mg/L

TURBIDITY: 0.0 NTU

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

TEMPERATURE: 10.53 °C OTHER:

COLOR: Colorless ODOR: None

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: Clear FILTRATE ODOR: None

QC SAMPLE: [ ] MS/MSD [X] ~~BGP~~

COMMENTS: Fe= 3 Alk= 150 CO2= 100

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 0833 | 400 | 5.87 | 2740 | 120 | 7.17 | 150 | 8.86 | 8.56 | INITIAL |
| 0838 | 400 | 5.88 | 2730 | 84 | 5.88 | 46.7 | 9.90 | 8.62 | 3/4 Gal |
| 0843 | 400 | 5.90 | 2550 | 73 | 5.49 | 28.0 | 10.11 | 8.66 | 1.5 Gal |
| 0848 | 400 | 5.93 | 2450 | 67 | 5.49 | 13.1 | 10.14 | 8.60 | 2.0 Gal |
| 0853 | 400 | 5.98 | 2350 | 64 | 5.75 | 6.7 | 10.17 | 8.62 | 2.5 Gal |
| 0858 | 400 | 6.05 | 2240 | 57 | 5.76 | 2.0 | 10.29 | 8.63 | 3.5 Gal |
| 0903 | 400 | 6.08 | 2170 | 56 | 5.61 | 2.3 | 10.34 | 8.63 | 4.0 Gal |
| 0908 | 400 | 6.11 | 2100 | 53 | 5.64 | 1.0 | 10.42 | 8.62 | 4.5 Gal |
| 0913 | 400 | 6.15 | 2030 | 50 | 5.86 | 0.5 | 10.44 | 8.63 | 5.0 Gal |
| 0918 | 400 | 6.19 | 1990 | 49 | 5.83 | 0.3 | 10.51 | 8.60 | 5.5 Gal |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/12/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/12/13 |

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TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, OPS | DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-14-6

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 0923 | 400 | 6.21 | 1940 | 47 | 6.16 | 0.0 | 10.48 | 8.59 | 6.0 Gal |
| 0928 | 400 | 6.24 | 1880 | 47 | 6.19 | 0.0 | 10.41 | 8.64 | 6.5 Gal |
| 0933 | 400 | 6.27 | 1860 | 46 | 6.33 | 0.0 | 10.47 | 8.63 | 6.75 Gal |
| 0938 | 400 | 6.26 | 1830 | 45 | 6.28 | 0.0 | 10.37 | 8.63 | 7.0 Gal |
| 0943 | 400 | 6.30 | 1800 | 46 | 6.19 | 0.0 | 10.45 | 8.60 | 7.5 gal |
| 0948 | 400 | 6.29 | 1780 | 43 | 6.12 | 0.0 | 10.46 | 8.62 | 8.0 gal |
| 0953 | 400 | 6.33 | 1740 | 44 | 6.04 | 0.0 | 10.52 | 8.62 | 8.5 gal |
| 0958 | 400 | 6.34 | 1730 | 45 | 5.99 | 0.0 | 10.49 | 8.63 | 9.0 gal |
| 1003 | 400 | 6.33 | 1720 | 42 | 5.92 | 0.0 | 10.53 | 8.63 | 9.5 gal |

SIGNATURE: [signature] DATE SIGNED: 02/12/13

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM DPS | DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: [illegible] WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1115 | DATE: 02/12/13 | SAMPLE | TIME: 1146 | DATE: 02/12/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☒ PUMP Bladder ☐ BAILER

DEPTH TO WATER: 8.84 T/ PVC

DEPTH TO BOTTOM: 16.65 T/ PVC

WELL VOLUME: NM ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 2.5 ☐ LITERS ☒ GALLONS

COLOR: Lt. Brown ODOR: None

TURBIDITY: ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☒ ~~OTHER~~

PH: 6.70 SU CONDUCTIVITY: 1110 umhos/cm

ORP: 208 mV DO: 3.59 mg/L

TURBIDITY: 1.1 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.24 °C OTHER:

COLOR: clear ODOR: None

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: None

QC SAMPLE: ☐ MS/MSD ☒ ~~DUP~~:

COMMENTS: Fe= 0 Alk= 70 CO2= 30

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1118 | 400 | 6.70 | 1470 | 233 | 6.99 | 273 | 9.69 | 8.84 | INITIAL |
| 1123 | 400 | 6.74 | 1380 | 205 | 6.01 | 105 | 11.16 | — | 0.5 |
| 1128 | 400 | 6.74 | 1320 | 209 | 4.09 | 33.4 | 11.17 | 9.03 | 1.0 |
| 1133 | 400 | 6.71 | 1140 | 209 | 3.59 | 13.9 | 11.25 | — | 1.5 |
| 1138 | 400 | 6.71 | 1110 | 208 | 3.58 | 9.1 | 11.24 | — | 2.0 |
| 1143 | 400 | 6.70 | 1110 | 208 | 3.59 | 1.1 | 11.24 | 9.04 | 2.5 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/12/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: | SIGNATURE: [illegible] | DATE SIGNED: 02/12/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM/DPS DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

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

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

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

| PURGING | TIME: 1116 | DATE: 2/12/13 | SAMPLE | TIME: 1241 | DATE: 02/12/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 7.53 T/ PVC

DEPTH TO BOTTOM: 15.05 T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 6.75 [ ] LITERS [X] GALLONS

COLOR: Brown - colorless ODOR: None

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

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

PH: 6.67 SU CONDUCTIVITY: 877 umhos/cm

ORP: -101 mV DO: 4.59 mg/L

TURBIDITY: 18.3 NTU

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

TEMPERATURE: 10.86 °C OTHER:

COLOR: colorless ODOR: None

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: clear FILTRATE ODOR:

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

COMMENTS: Fe= 20 Alk= 70 CO2= NA

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1116 | 400 | 6.38 | 690 | 152 | 8.13 | 771 | 9.86 | 7.53 | INITIAL |
| 1121 | 400 | 6.22 | 652 | 100 | 7.49 | 651 | 10.47 | 8.44 | 1 gal |
| 1126 | 400 | 6.19 | 643 | 75 | 7.36 | 98.9 | 10.34 | 8.68 | 1.5 gal |
| 1131 | 400 | 6.17 | 646 | 45 | 7.15 | 102 | 10.34 | 8.94 | 2.0 gal |
| 1136 | 300 | 6.21 | 665 | 20 | 6.95 | 109 | 10.20 | 8.67 | 2.25 gal |
| 1141 | 300 | 6.39 | 763 | -36 | 6.77 | 108 | 10.15 | 8.77 | 2.5 gal |
| 1146 | 300 | 6.39 | 776 | -50 | 6.49 | 112 | 10.43 | 9.10 | 3 gal |
| 1151 | 300 | 6.43 | 800 | -61 | 6.21 | 96.0 | 10.59 | 9.40 | 3.25 gal |
| 1156 | 300 | 6.51 | 829 | -74 | 6.05 | 71.3 | 10.45 | 9.56 | 3.5 gal |
| 1201 | 300 | 6.52 | 848 | -80 | 5.88 | 64.4 | 10.53 | 9.61 | 3.75 |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/12/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/12/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM, DPS | DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-19-13

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1206 | 300 | 6.57 | 860 | -84 | 5.67 | 59.8 | 10.55 | 9.62 | 4gal |
| 1211 | 300 | 6.57 | 865 | -90 | 5.50 | 41.8 | 10.64 | 9.65 | 4.75gal |
| 1216 | 300 | 6.59 | 869 | -94 | 5.32 | 34.7 | 10.73 | 9.67 | 5.25gal |
| 1221 | 300 | 6.65 | 873 | -95 | 5.19 | 28.9 | 10.64 | 9.63 | 5.75gal |
| 1226 | 300 | 6.67 | 876 | -98 | 5.01 | 24.4 | 10.74 | 9.61 | 6gal |
| 1231 | 300 | 6.67 | 875 | -98 | 4.87 | 20.5 | 10.71 | 9.62 | 6.25gal |
| 1236 | 300 | 6.66 | 877 | -101 | 4.71 | 19.7 | 10.92 | 9.67 | 6.5gal |
| 1241 | 300 | 6.67 | 877 | -101 | 4.59 | 18.3 | 10.86 | 9.60 | 6.75 |

SIGNATURE: D. M

DATE SIGNED: 02/12/13

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED |
|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/12/13 | BY: TAB DATE: 4/13/13 |

SAMPLE ID: [illegible] WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☒ OTHER

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

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

| PURGING | TIME: | DATE: |
|---|---|---|

PURGE METHOD: ☐ PUMP ☐ BAILER

DEPTH TO WATER: _____ T/ PVC

DEPTH TO BOTTOM _____ T/ PVC

WELL VOLUME: _____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS

COLOR: _____ ODOR: _____

TURBIDITY

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

| SAMPLE | TIME: 1309 | DATE: 02/12/13 |
|---|---|---|

PH: _____ SU CONDUCTIVITY: _____ umhos/cm

ORP: _____ mV DO: _____ mg/L

TURBIDITY: _____ NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: _____ °C OTHER: _____

COLOR: _____ ODOR: _____

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☑ DUP- _____

COMMENTS: Fe= Alk= CO2=

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/12/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [illegible] | DATE SIGNED: 02/12/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS | DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-16 WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 1237 | DATE: 02/12/13 | SAMPLE | TIME: 1412 | DATE: 02/12/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 6.40 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 9.5 [ ] LITERS [ ] GALLONS

COLOR: Brown ODOR: No

TURBIDITY: [ ] NONE [ ] SLIGHT [ ] MODERATE [X] VERY

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

PH: 7.18 SU CONDUCTIVITY: 1180 umhos/cm

ORP: 163 mV DO: 2.51 mg/L

TURBIDITY: 111 NTU

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

TEMPERATURE: 7.93 °C OTHER:

COLOR: clear ODOR: None

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

FILTRATE COLOR: FILTRATE ODOR: None

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

COMMENTS: Fe= 0 Alk= 100 CO2= 20

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1238 | 400 | 6.91 | 1210 | 222 | 5.61 | 9999 | 7.53 | 6.40 | INITIAL |
| 1243 | 400 | 7.05 | 1200 | 197 | 4.11 | 586 | 8.63 | — | 1.5 |
| 1248 | 400 | 7.07 | 1210 | 149 | 4.25 | 159 | 7.47 | — | 2 |
| 1253 | 400 | 7.10 | 1220 | 128 | 4.26 | 144 | 7.47 | 8.43 | 2.5 |
| 1258 | 400 | 7.12 | 1210 | 148 | 4.29 | 116 | 7.57 | — | 3 |
| 1303 | 400 | 7.58 | 1230 | 139 | 4.01 | 78.4 | 7.54 | 8.48 | 3.5 |
| 1308 | 400 | 7.60 | 1220 | 141 | 3.59 | 41.3 | 7.61 | — | 4 |
| 1313 | 400 | 7.60 | 1210 | 148 | 3.40 | 41.1 | 7.64 | — | 4.5 |
| 1318 | 400 | 7.61 | 1220 | 149 | 2.99 | 43.2 | 7.69 | — | 5 |
| 1323 | 400 | 7.61 | 1190 | 155 | 2.97 | 33.2 | 7.94 | — | 5.5 |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/12/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. M | DATE SIGNED: 02/12/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM, DPS | DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-15

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1328 | 400 | 7.14 | 1190 | 155 | 2.81 | 30.1 | 7.73 | — | 6 |
| 1333 | 400 | 7.18 | 1190 | 156 | 2.80 | 31.2 | 7.71 | — | 6.5 |
| 1338 | 400 | 7.17 | 1180 | 160 | 2.75 | 37.2 | 7.72 | — | 7 |
| 1343 | 400 | 7.18 | 1180 | 159 | 2.81 | 23.1 | 7.72 | — | 7.5 |
| 1348 | 400 | 7.19 | 1180 | 160 | 2.64 | 12.2 | 7.71 | — | 8 |
| 1353 | 400 | 7.19 | 1170 | 162 | 2.53 | 13.1 | 7.71 | — | 8.5 |
| 1358 | 400 | 7.19 | 1180 | 161 | 2.51 | 12.5 | 7.70 | — | 9 |
| 1407 | 400 | 7.18 | 1180 | 163 | 2.51 | 11.1 | 7.73 | 6.83 | 9.5 gal |

SIGNATURE: D. Mu

DATE SIGNED: 02/12/13

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-19-14 WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

**PURGING** TIME: 1400 DATE: 02/12/13

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 9.01 T/ PVC

DEPTH TO BOTTOM: 16.00 T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: ~~[illegible]~~ [ ] LITERS [X] GALLONS

COLOR: Brown ODOR: None

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

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

**SAMPLE** TIME: 1449 DATE: 02/12/13

PH: 6.61 SU CONDUCTIVITY: 1200 umhos/cm

ORP: 106 mV DO: 3.63 mg/L

TURBIDITY: 10.6 NTU

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

TEMPERATURE: 8.56 °C OTHER:

COLOR: color less ODOR: None

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: None FILTRATE ODOR: None

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

COMMENTS: Fe= Ø Alk= 100 CO2= NM

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1409 | 400 | 6.70 | 1180 | 48 | 4.11 | 976 | 8.52 | 8.01 | INITIAL |
| 1414 | 400 | 6.61 | 1200 | 98 | 3.67 | 220 | 8.76 | 7.99 | 0.5 gal |
| 1419 | 400 | 6.61 | 1200 | 106 | 3.83 | 67.9 | 8.64 | 8.01 | 1.5 gal |
| 1424 | 400 | 6.62 | 1190 | 107 | 3.80 | 43.1 | 8.59 | 8.02 | 1.75 gal |
| 1429 | 400 | 6.62 | 1200 | 106 | 3.81 | 36.6 | 8.55 | 8.01 | 2.25 gal |
| 1434 | 400 | 6.63 | 1200 | 107 | 3.67 | 13.8 | 8.59 | 8.01 | 3.0 gal |
| 1439 | 400 | 6.62 | 1200 | 105 | 3.64 | 11.7 | 8.54 | 8.02 | 3.25 |
| 1444 | 400 | 6.61 | 1200 | 105 | 3.62 | ~~11.7~~ 11.1 | 8.55 | 8.04 | 4.0 |
| 1449 | 400 | 6.61 | 1200 | 106 | 3.63 | 10.6 | 8.56 | 8.01 | 4.5 |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

**BOTTLES FILLED** PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/12/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Mu | DATE SIGNED: 02/12/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-11 WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

**PURGING** TIME: 1500 DATE: 02/12/13

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 8.25 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 4 [ ] LITERS [X] GALLONS

COLOR: Brown ODOR: None

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

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

**SAMPLE** TIME: 1550 DATE: 02/12/13

PH: 6.48 SU CONDUCTIVITY: 3440 umhos/cm

ORP: 101 mV DO: 3.09 mg/L

TURBIDITY: 9.1 NTU

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

TEMPERATURE: 9.94 °C OTHER:

COLOR: C ODOR: slight

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

FILTRATE COLOR: clear FILTRATE ODOR:

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

COMMENTS: Fe= 4 Alk= 100 CO2= 30

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORL) |
|---|---|---|---|---|---|---|---|---|---|
| 1504 | 400 | 6.69 | 3710 | 184 | 4.02 | 999+ | 9.13 | — | INITIAL |
| 1509 | 400 | 6.56 | 3600 | 121 | 4.01 | 77.2 | 9.73 | — | 1 |
| 1514 | 400 | 6.49 | 3570 | 112 | 3.51 | 44.1 | 9.79 | 8.25 | 1.5 |
| 1519 | 400 | 6.47 | 3440 | 107 | 3.39 | 27.1 | 9.83 | — | 2 |
| 1524 | 400 | 6.47 | 3496 | 103 | 3.25 | 20.3 | 9.97 | — | 2.5 |
| 1529 | 400 | 6.49 | 3440 | 107 | 3.10 | 15.0 | 9.94 | 8.25 | 3 |
| 1534 | 400 | 6.49 | 3440 | 101 | 3.11 | 11.9 | 9.93 | — | 3.5 |
| 1539 | 400 | 6.48 | 3440 | 101 | 3.09 | 9.1 | 9.94 | 8.25 | 4 gal |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

**BOTTLES FILLED** PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/12/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Mu | DATE SIGNED: 02/12/13 |

REVISED 08/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.0000.0000 | BY: DM/DPS DATE: 02/12/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-10R WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 1600 | DATE: 02/12/13 | SAMPLE | TIME: 1635 | DATE: 02/12/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 8.06 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 3.5 [ ] LITERS [X] GALLONS

COLOR: None ODOR: None

TURBIDITY: [X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

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

PH: 6.61 SU CONDUCTIVITY: 1340 umhos/cm

ORP: 158 mV DO: 2.46 mg/L

TURBIDITY: 3.0 NTU

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

TEMPERATURE: 9.24 °C OTHER:

COLOR: None ODOR: None

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: None FILTRATE ODOR: None

QC SAMPLE: [ ] MS/MSD ~~[X] BOP~~

COMMENTS: Fe= Ø Alk= 160 CO2= NA

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1605 | 400 | 6.84 | 1330 | 140 | 4.20 | 225 | 7.89 | 8.06 | INITIAL |
| 1610 | 400 | 6.59 | 1340 | 151 | 2.39 | 143 | 9.41 | 8.06 | 0.5 |
| 1615 | 400 | 6.58 | 1340 | 154 | 2.56 | 59.4 | 9.39 | 8.08 | 1.0g |
| 1620 | 400 | 6.58 | 1340 | 155 | 2.55 | 18.4 | 9.36 | 8.06 | 1.5g |
| 1625 | 400 | 6.61 | 1340 | 157 | 2.44 | 9.4 | 9.28 | 8.08 | 2.25gal |
| 1630 | 400 | 6.60 | 1340 | 158 | 2.49 | 5.1 | 9.25 | 8.07 | 2.75gal |
| 1635 | 400 | 6.61 | 1340 | 158 | 2.46 | 3.0 | 9.24 | 8.07 | 3.25gal |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | Fed Ex | DATE SHIPPED: | 02/12/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | — | SIGNATURE: | D. Mu | DATE SIGNED: | 02/12/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/13/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: [illegible] WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 8:50 | DATE: 2/13/13 | SAMPLE | TIME: 10:10 | DATE: 02/13/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Peristaltic [ ] BAILER

DEPTH TO WATER: 2.18 T/ PVC

DEPTH TO BOTTOM: 9.50 T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 3 [ ] LITERS [X] GALLONS

COLOR: Black ODOR: NO

TURBIDITY: [ ] NONE [ ] SLIGHT [ ] MODERATE [X] VERY

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

PH: 6.90 SU CONDUCTIVITY: 60 umhos/cm

ORP: -101 mV DO: 2.73 mg/L

TURBIDITY: 24 NTU

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

TEMPERATURE: 6.06 °C OTHER:

COLOR: NM ODOR: NO

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

FILTRATE COLOR: clear FILTRATE ODOR: NO

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

COMMENTS: Fe= 5 Alk= 100 CO2= 30

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLON) |
|---|---|---|---|---|---|---|---|---|---|
| 0902 | 150 | 6.94 | 709 | -106 | 3.53 | 9999 | 6.13 | 2.18 | INITIAL |
| 0907 | ↓ | 6.93 | 708 | -130 | 3.44 | 1000 | 5.92 | 2.18 | 0.25 |
| 0912 | | 6.93 | 702 | -127 | 3.42 | 0.0 | 5.80 | 2.18 | 0.5 |
| 0917 | | 6.93 | 700 | -122 | 3.40 | 0.0 | 5.70 | 2.18 | 0.75 |
| 0922 | | 6.92 | 695 | -116 | 3.37 | 0.0 | 5.28 | 2.18 | 1.0 |
| 0927 | | 6.92 | 684 | -111 | 3.20 | 243 | 5.15 | 2.18 | 1.25 |
| 0932 | | 6.93 | 678 | -109 | 3.15 | 126 | 5.18 | 2.18 | 1.5 |
| 0937 | | 6.94 | 676 | -113 | 3.12 | 73 | 5.33 | 2.18 | 1.75 |
| 0942 | | 6.94 | 675 | -114 | 3.03 | 84 | 5.46 | 2.18 | 2.0 |
| 0947 | ↓ | 6.94 | 670 | -112 | 2.92 | 53 | 5.71 | 2.18 | 2.25 |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/13/13 | AIRBILL NUMBER: 1999-1059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/13/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS | DATE: 02/23/13 | BY: TAB | DATE: ~~2/13/13~~ 4/13/13 |

SAMPLE ID: MW-26R

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 952 | 150 | 6.93 | 666 | -110 | 2.87 | 45 | 5.84 | 2.18 | 2.5 |
| 957 | ↓ | 6.91 | 661 | -105 | 2.84 | 35 | 6.06 | 2.18 | 2.75 |
| 1002 | ↓ | 6.90 | 656 | -104 | 2.74 | 29 | 6.10 | 2.18 | 3.0 |
| 1007 | ↓ | 6.90 | 653 | -101 | 2.73 | 24 | 6.26 | 2.18 | ~3 gallon |

SIGNATURE: [signature]

DATE SIGNED: 2/13/13

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/13/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: [illegible] WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER C1032

| PURGING | TIME: 0950 | DATE: 02/13/13 | SAMPLE | TIME: [illegible] | DATE: 02/13/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 7.30 TI PVC

DEPTH TO BOTTOM: NM TI PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: ~~4.5~~ 3.5 [ ] LITERS [X] GALLONS

COLOR: Brown ODOR: N

TURBIDITY: [ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

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

PH: 6.78 SU CONDUCTIVITY: 1030 umhos/cm

ORP: -110 mV DO: 2.07 mg/L

TURBIDITY: 0.0 NTU

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

TEMPERATURE: 8.09 °C OTHER:

COLOR: clear ODOR: N

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

FILTRATE COLOR: Clear FILTRATE ODOR: No

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

COMMENTS: Fe= 20 Alk= 160 CO2= 10

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 0953 | 400 | 6.47 | 1070 | -86 | 2.58 | 94.8 | 7.50 | 7.30 | INITIAL |
| 0958 | 400 | 6.68 | 1060 | -114 | 1.97 | 36.1 | 7.82 | — | 0.5 |
| 1003 | 400 | 6.76 | 1050 | -118 | 2.09 | 26.2 | 7.86 | — | 1.0 |
| 1008 | 400 | 6.78 | 1040 | -117 | 2.05 | 17.0 | 7.92 | — | 1.5 |
| 1013 | 400 | 6.77 | 1030 | -116 | 2.02 | 11.2 | 8.02 | 7.31 | 2 |
| 1018 | 400 | 6.79 | 1030 | -111 | 2.08 | 9.1 | 8.08 | — | 2.5 |
| 1023 | 400 | 6.78 | 1030 | -107 | 2.07 | 5.4 | 8.07 | — | 3 |
| 1028 | 400 | 6.78 | 1030 | -110 | 2.07 | 0.0 | 8.09 | 7.31 | ~~4.5~~ 3.5 |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/13/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Mump | DATE SIGNED: 02/13/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/13/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: [illegible] WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 1200 | DATE: 02/13/13 | SAMPLE | TIME: 1227 | DATE: 02/13/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 5.48 T/ PVC

DEPTH TO BOTTOM NM T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 2.25 [ ] LITERS [X] GALLONS

COLOR: clear ODOR: No

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

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

PH: 7.00 SU CONDUCTIVITY: 790 umhos/cm

ORP: -124 mV DO: 2.50 mg/L

TURBIDITY: 1.0 NTU

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

TEMPERATURE: 8.98 °C OTHER:

COLOR: Clear ODOR: NM

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

FILTRATE COLOR: Clear FILTRATE ODOR: no

QC SAMPLE: [ ] MS/MSD ~~[ ] DUP.~~

COMMENTS: Fe= 18 Alk= 70 CO2= 25

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1202 | 400 | 7.10 | 807 | -109 | 4.62 | 10.5 | 8.16 | 5.48 | INITIAL |
| 1207 | 400 | 7.06 | 799 | -129 | 2.69 | 16.6 | 8.85 | — | 0.5 |
| 1212 | 400 | 7.02 | 797 | -128 | 2.54 | 9.0 | 8.91 | 5.48 | 1.0 |
| 1217 | 400 | 7.01 | 794 | -127 | 2.56 | 3.5 | 8.97 | — | 1.5 |
| 1222 | 400 | 7.00 | 790 | -124 | 2.50 | 1.0 | 8.98 | 5.48 | 2.25 gal |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- [illegible] ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/13/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [illegible] | DATE SIGNED: 02/13/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/ /13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: [illegible] WELL DIAMETER: ☐ 2" ☒ 4" ☒ 6" ☐ OTHER

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

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

| PURGING | TIME: 1143 | DATE: 2/13/13 | SAMPLE | TIME: 1300 | DATE: 02/13/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☒ PUMP Bladder ☐ BAILER

DEPTH TO WATER: 3.48 T/ PVC

DEPTH TO BOTTOM: 20.20 T/ PVC

WELL VOLUME: 1.43 ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 9 ☐ LITERS ☒ GALLONS

COLOR: Brown ODOR: N

TURBIDITY: ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☒ DRUM ☒ OTHER

PH: 6.67 SU CONDUCTIVITY: 346 umhos/cm

ORP: -NA mV DO: 3.38 mg/L

TURBIDITY: 40 NTU

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

TEMPERATURE: 8.03 °C OTHER:

COLOR: Brown ODOR: No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: Clear None

QC SAMPLE: ☐ MS/MSD ☒ DUP:

COMMENTS: Fe= 20 Alk= 70 CO2= 40

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1145 | 400 | 6.89 | 282 | -140 | 2.57 | 48 | 7.42 | 3.48 | INITIAL |
| 1150 | ↓ | 6.17 | 263 | -106 | 3.66 | 52 | 8.38 | 3.48 | 1.0 |
| 1155 | | 6.39 | 257 | -90 | 3.75 | 52 | 8.42 | 3.48 | 1.5 |
| 1200 | | 6.39 | 252 | -101 | 3.82 | 52 | 8.39 | 3.60 | 2.0 |
| 1205 | | 6.33 | 260 | -103 | 4.00 | 50 | 8.26 | 3.60 | 2.5 |
| 1210 | | 6.71 | 297 | -114 | 4.00 | 49 | 8.03 | 3.60 | 3.0 |
| 1215 | | 6.71 | 300 | -114 | 4.03 | 48 | 8.13 | 3.60 | 3.5 |
| 1220 | | 6.71 | 303 | -112 | 4.00 | 47 | 8.09 | 3.60 | 4.0 |
| 1225 | | 6.67 | 322 | -114 | 3.93 | 47 | 8.09 | 3.60 | 4.5 |
| 1230 | | 6.69 | 332 | -115 | 3.73 | 46 | 8.17 | 3.60 | 5 gal |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/13/13 | AIRBILL NUMBER: 1499-8059-9 |
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/13/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.0000.0000 | BY: DM, DPS | DATE: 02/13/13 | BY: TMB | DATE: 4/13/13 |

SAMPLE ID: MW-8

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1235 | 400 | 6.68 | 335 | -114 | 3.93 | 45 | 8.10 | 3.60 | 5.5 |
| 1240 | | 6.68 | 338 | -114 | 3.94 | 44 | 8.05 | 3.60 | 6.0 |
| 1245 | | 6.67 | 344 | -113 | 3.97 | 43 | 8.03 | 3.60 | 6.5 |
| 1250 | | 6.67 | 345 | -113 | 3.97 | 40 | 8.03 | 3.60 | 7.0 |
| 1255 | | 6.67 | 346 | -112 | 3.96 | 40 | 8.03 | 3.60 | ~~9.5~~ 7.5 |

SIGNATURE: D. Mf

DATE SIGNED: 02/13/13

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# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/13/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: MW-3R WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 1306 | DATE: 02/13/13 | SAMPLE | TIME: 1338 | DATE: 02/13/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 5.33 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 2.75 [ ] LITERS [X] GALLONS

COLOR: Brn ODOR: No

TURBIDITY: [ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY

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

PH: 7.06 SU CONDUCTIVITY: 713 umhos/cm

ORP: -133 mV DO: 2.36 mg/L

TURBIDITY: 1.2 NTU

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

TEMPERATURE: 10.26 °C OTHER:

COLOR: clear ODOR: No

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

FILTRATE COLOR: clear FILTRATE ODOR: No

QC SAMPLE: [X] MS/MSD [ ] ~~EQP~~

COMMENTS: Fe= 14 Alk= 50 CO2= 18

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1309 | 400 | 7.10 | 777 | -116 | 3.13 | 51.0 | 9.63 | 5.33 | INITIAL |
| 1312 | 400 | 7.07 | 760 | -122 | 2.56 | 26.4 | 10.25 | — | 0.5 |
| 1319 | 400 | 7.09 | 736 | -126 | 2.71 | 16.4 | 10.23 | 5.33 | 1.0 |
| 1322 | 400 | 7.10 | 718 | -130 | 2.43 | 5.8 | 10.25 | — | 1.5 |
| 1329 | 400 | 7.09 | 708 | -133 | 2.37 | 3.3 | 10.26 | — | 2.0 |
| 1332 | 400 | 7.06 | 713 | -133 | 2.36 | 1.2 | 10.26 | 5.33 | 2.75 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FedEx | DATE SHIPPED: | 02/13/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | — | SIGNATURE: | D. Mup | DATE SIGNED: | 02/13/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED |
|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: TD DM, DPS DATE: 02/13/13 | BY: TAB DATE: 2/14/13 |

SAMPLE ID: [illegible] WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 1418 | DATE: 02/13/13 | SAMPLE | TIME: 1515 | DATE: 02/13/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: NA T/ PVC MPCAN

DEPTH TO BOTTOM NA T/ PVC

WELL VOLUME: NA [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 6 [ ] LITERS [X] GALLONS

COLOR: Brown ODOR: yes

TURBIDITY: [ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY

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

PH: 7.02 SU CONDUCTIVITY: 528 umhos/cm

ORP: -116 mV DO: 6.79 mg/L

TURBIDITY: 10 NTU

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

TEMPERATURE: 11.19 °C OTHER:

COLOR: clear ODOR: yes

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

FILTRATE COLOR: clear FILTRATE ODOR: NA

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

COMMENTS: Fe= 0 Alk= 20 CO2= 10

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1420 | 400 | 7.12 | 505 | -109 | 9.06 | 273 | 11.61 | NA | INITIAL |
| 1425 | 400 | 7.07 | 486 | -121 | 8.41 | 78 | 11.09 | | 0.5 |
| 1430 | 400 | 7.19 | 520 | -113 | 8.36 | 33 | 11.27 | | 1.0 |
| 1435 | 400 | 7.12 | 527 | -116 | 8.10 | 24 | 11.30 | | 1.5 |
| 1440 | 400 | 7.28 | 525 | -120 | 7.72 | 18 | 11.44 | | 2.0 |
| 1445 | 400 | 7.31 | 523 | -112 | 7.80 | 15 | 11.37 | | 2.5 |
| 1450 | 400 | 7.40 | 514 | -115 | 7.65 | 14 | 11.19 | | 3.0 |
| 1455 | 400 | 7.00 | 509 | -120 | 7.32 | 11 | 11.19 | | 3.5 |
| 1500 | 400 | 7.00 | 530 | -112 | 6.72 | 10 | 11.15 | | 4.0 |
| 1505 | 400 | 7.02 | 528 | -116 | 6.79 | 10 | 11.19 | | 5 gal. |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/13/13 | AIRBILL NUMBER: 1994-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Map | DATE SIGNED: 02/13/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/13/13 | BY: TAB | DATE: 4/13/13 |

SAMPLE ID: [illegible] WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 1511 | DATE: 02/13/13 | SAMPLE | TIME: 1558 | DATE: 02/13/13 |
|---|---|---|---|---|---|

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 8.58 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 4.75 [ ] LITERS [X] GALLONS

COLOR: Brown ODOR: yes

TURBIDITY: [ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY

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

PH: 6.84 SU CONDUCTIVITY: 830 umhos/cm

ORP: -180 mV DO: 6.22 mg/L

TURBIDITY: 1.0 NTU

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

TEMPERATURE: 8.68 °C OTHER:

COLOR: Clear ODOR: yes

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: clear FILTRATE ODOR: yes

QC SAMPLE: [ ] MS/MSD [✓] DUP- 02

COMMENTS: Fe= 10 Alk= 100 CO2= 30

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (Umhos/cm) | ORP (mV) | D.O (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLON) |
|---|---|---|---|---|---|---|---|---|---|
| 1514 | 400 | 6.93 | 620 | -150 | 5.81 | 143 | 8.58 | 8.58 | INITIAL |
| 1519 | 400 | 6.83 | 800 | -179 | 7.05 | 20.2 | 8.60 | — | 0.5 |
| 1524 | 400 | 6.85 | 838 | -179 | 7.07 | 13.8 | 8.65 | — | 1.0 |
| 1529 | 400 | 6.85 | 839 | -179 | 7.01 | 10.2 | 8.66 | — | 1.5 |
| 1534 | 400 | 6.85 | 835 | -179 | 6.39 | 9.9 | 8.67 | — | 2.0 |
| 1539 | 400 | 6.85 | 834 | -180 | 6.25 | 5.1 | 8.68 | — | 2.5 |
| 1544 | 400 | 6.84 | 833 | -180 | 6.23 | 4.1 | 8.66 | — | 3.0 |
| 1549 | 400 | 6.84 | 833 | -180 | 6.22 | 3.8 | 8.66 | — | 3.5 |
| 1554 | 400 | 6.84 | 830 | -180 | 6.22 | 1.0 | 8.66 | 8.58 | 4.75 |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/13/13 | AIRBILL NUMBER: 1999-8009-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 02/13/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/13/13 | BY: DAB | DATE: 4/13/13 |

**SAMPLE ID:** [illegible]

WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☒ OTHER

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1620 | DATE: 02/13/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☐ PUMP ☐ BAILER

DEPTH TO WATER: _____ T/ PVC

DEPTH TO BOTTOM _____ T/ PVC

WELL VOLUME: _____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS

COLOR: _____ ODOR: _____

TURBIDITY

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: _____ SU CONDUCTIVITY: _____ umhos/cm

ORP: _____ mV DO: _____ mg/L

TURBIDITY: _____ NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: _____ °C OTHER: _____

COLOR: _____ ODOR: _____

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☑ DUP-

COMMENTS: Fe= Alk= CO2=

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (CAL ORD) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

**BOTTLES FILLED:** PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thio.

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/13/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Mp | DATE SIGNED: 02/13/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/14/13 | BY: TAB | DATE: 4/15/13 |

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

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

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

**PURGING** TIME: 0904 DATE: 02/14/13

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 8.39 T/ PVC

DEPTH TO BOTTOM 15.98 T/ PVC

WELL VOLUME: NM [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 2.5 [ ] LITERS [X] GALLONS

COLOR: Sl Brown ODOR: yes

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

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

**SAMPLE** TIME: 0925 DATE: 02/14/13

PH: 6.61 SU CONDUCTIVITY: 982 umhos/cm

ORP: -83 mV DO: 2.59 mg/L

TURBIDITY: 0.0 NTU

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

TEMPERATURE: 9.66 °C OTHER:

COLOR: clear ODOR: yes

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

FILTRATE COLOR: clear FILTRATE ODOR: yes

QC SAMPLE: [ ] MS/MSD [X] DUP: 03

COMMENTS: Fe= 20 Alk= 200 CO2= 70

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 0905 | 400 | 6.14 | 822 | 27 | 6.82 | 2.2 | 8.36 | 8.39 | INITIAL |
| 0910 | 400 | 6.60 | 900 | -59 | 2.99 | 0.0 | 9.31 | — | 1.0 |
| 0915 | 400 | 6.65 | 986 | -74 | 2.67 | 0.0 | 9.61 | — | 1.5 |
| 0920 | 400 | 6.61 | 985 | -79 | 2.62 | 0.0 | 9.63 | — | 2.0 |
| 0925 | 400 | 6.61 | 982 | -83 | 2.59 | 0.0 | 9.66 | 8.39 | 2.5 gal |
| | | | | | | | | | |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/14/13 | AIRBILL NUMBER: 1999-7059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Mp | DATE SIGNED: 02/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM DPS DATE: 02/14/13 | BY: TAB | DATE: 4/15/13 |

SAMPLE ID: [illegible] WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 0850 | DATE: 02/14/13 | SAMPLE | TIME: 0940 | DATE: 02/14/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☒ PUMP Bladder ☐ BAILER

DEPTH TO WATER: 9.08 T/ PVC

DEPTH TO BOTTOM: 15.58 T/ PVC

WELL VOLUME: N/A ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 6 ☐ LITERS ☒ GALLONS

COLOR: Brown ODOR: None

TURBIDITY: ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 6.68 SU CONDUCTIVITY: 717 umhos/cm

ORP: -119 mV DO: 6.34 mg/L

TURBIDITY: 0.0 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.91 °C OTHER:

COLOR: clear ODOR: none

FILTRATE (0.45 um) ☒ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: None

QC SAMPLE: ☐ MS/MSD ☒ ~~DUP~~

COMMENTS: Fe= 10 Alk= 160 CO2= 20

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 0852 | 400 | 6.47 | 744 | -70 | 6.69 | 148 | 9.66 | 9.08 | INITIAL |
| 0857 | 400 | 6.61 | 732 | -117 | 6.79 | 61.2 | 10.11 | — | 1.0 |
| 0902 | 400 | 6.65 | 729 | -125 | 7.15 | 33.5 | 10.62 | — | 1.5 |
| 0907 | 400 | 6.61 | 727 | -125 | 7.16 | 23.2 | 10.76 | — | 2.0 |
| 0912 | 400 | 6.61 | 722 | -124 | 6.58 | 12.7 | 10.81 | — | 2.5 |
| 0917 | 400 | 6.65 | 720 | -119 | 6.50 | 0.0 | 10.83 | — | 3.0 |
| 0922 | 400 | 6.69 | 723 | -118 | 6.42 | 0.0 | 10.89 | — | 3.5 |
| 0927 | 400 | 6.68 | 715 | -117 | 6.37 | 0.0 | 10.92 | — | 4.0 |
| 0932 | 400 | 6.67 | 717 | -116 | 6.33 | 0.0 | 10.92 | — | 4.5 |
| 0937 | 400 | 6.68 | 717 | -119 | 6.34 | 0.0 | 10.91 | 9.08 | 5 gal |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☒ N | 1 | 125 mL | PLASTIC | B | ☒ Y ☐ N |
| 2 | 40 mL | VOA | A | ☐ Y ☒ N | 1 | 100 mL | PLASTIC | F | ☐ Y ☒ N |
| 2 | 1 L | AMBER | A | ☐ Y ☒ N | | | | | ☐ Y ☐ N |
| 1 | 500mL | PLASTIC | A | ☐ Y ☒ N | | | | | ☐ Y ☐ N |
| 1 | 125 mL | PLASTIC | C | ☐ Y ☒ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/14/13 | AIRBILL NUMBER: 1999-8069-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Murp | DATE SIGNED: 02/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED: | CHECKED: |
|---|---|---|
| PROJECT NUMBER: 199380.0000.0000 | BY: DM, DPS DATE: 02/14/13 | BY: TAB DATE: 4/15/13 |

SAMPLE ID: [illegible] WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☒ OTHER

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1020 | DATE: 02/14/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☐ PUMP ☐ BAILER

DEPTH TO WATER: ____ T/ PVC

DEPTH TO BOTTOM ____ T/ PVC

WELL VOLUME: ____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS

COLOR: ____ ODOR: ____

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: ____ SU CONDUCTIVITY: ____ umhos/cm

ORP: ____ mV DO: ____ mg/L

TURBIDITY: ____ NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: ____ °C OTHER: ____

COLOR: ____ ODOR: ____

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: ____ FILTRATE ODOR: ____

QC SAMPLE: ☐ MS/MSD ☑ DUP-

COMMENTS: Fe= Alk= CO2=

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 02/14/13 | AIRBILL NUMBER: 1999 8059-7 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [illegible] | DATE SIGNED: 02/14/13 |

REVISED 06/2011

# CHAIN-OF-CUSTODY RECORD

TRACE
the science of compliance

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

Page_____of_____

TRACE ID NO:

Logged By: Checked By:

Received on Ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC Env Corp

Contact Person: Scott Paulukiewicz

Mailing Address: 2025 East Beltline Ave Ste 402

City, State, Zip Code: Grand Rapids MI 49546

Phone: 616 975 5415 Fax: 616 975 1098

Email Address: SPaulukiewicz@trcsolutions.com

Cell #: Sampled by: DM

Project Name & #: LEC 199380.000000.000000

**Bill To:**

Billing Address (if different)

City, State, Zip Code Windsor CT

Attn: Phone: PO #:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard | ☐ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | 3-4 Day (RUSH)* | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | 24-48 Hour (RUSH)* | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * Requires prior approval | | OI = Oil | D = Drinking Water |
| Special | ☐ | | | SO = Solid Waste | SL = Sludge |

**Request for Analytical Services**

ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX 2 Bottles Each | DEHP 2 Bottles Each | | | | | | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 02/10/13 | 1132 | | SW-R-4 | GW | 4 | X | X | | | | | | | | | | |
| | 02/10/13 | 1143 | | SW-D-5 | GW | 4 | X | X | | | | | | | | | | |
| | 02/10/13 | 1191 | | DRC-02 | GW | 4 | X | X | | | | | | | | | | |
| | 02/10/13 | 1203 | | SW-R-1 | GW | 4 | X | X | | | | | | | | | | |
| | 02/10/13 | 1215 | | SW-R-2 | GW | 4 | X | X | | | | | | | | | | |
| | 02/10/13 | 1221 | | SW-R-3 | GW | 4 | X | X | | | | | | | | | | |
| | 02/10/13 | 1249 | | SW-R-6 | GW | 4 | X | X | | | | | | | | | | |
| | 02/11/13 | 1338 | | RB-01 | | 4 | X | X | | | | | | | | | | |
| | 02/11/13 | 1409 | | SW-D-4 | GW | 4 | X | X | | | | | | | | | | |
| | 02/11/13 | 1417 | | SW-D-3 | GW | 4 | X | X | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [signature] | FedEx | 02/11/13 | 1700 | | 3) | | | |
| | 2) | | | | | 4) | | | |

In executing this Chain of Custody, the client acknowledges acceptance of the terms and conditions of the agreement as set forth at http://www.trace-labs.com/coctermS.php

[signature] 4/15/13

L1/L6

# CHAIN-OF-CUSTODY RECORD

TRACE
*the science of compliance*

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

*Trace Analytical Laboratories, Inc.*
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

Page_____of_____

TRACE ID NO.

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC

Contact Person: S. Paulukiewicz

Mailing Address: 2025 E. Beltline Ave Ste 402

City, State, Zip Code: Grand Rapids MI 49546

Phone: 6169755415 Fax: 6169751098

Email Address: SPaulukiewicz@trcsolutions.com

Cell #: Sampled by: DM

Project Name & #: LEC 199380.0000.000

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard | ☐ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | 3-4 Day (RUSH)* | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | 24-48 Hour (RUSH)* | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * Requires prior approval | | OI = Oil | D = Drinking Water |
| Special | ☐ | | | SO = Solid Waste | SL = Sludge |

**Bill To:**

Billing Address (if different)

City, State, Zip Code Windsor CT

Attn: Phone: PO #:

**Request for Analytical Services**

ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX 2 bottles each | DEHP 2 bottles each | | | | | | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Oct 11/13 | 1429 | | SW-D-2 GW-4 | GW | 4 | X | X | | | | | | | | | | |
| | Oct 11/13 | 1432 | | ~~Dup~~ DUP-01 | GW | 4 | X | X | | | | | | | | | | |
| | Oct 11/13 | 1441 | | SW-D-1 | GW | 4 | X | X | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [signature] | Fed Ex | Oct 11/13 | 1700 | | 3) | | | |
| | 2) | | | | | 4) | | | |

Sup Mgr 4/15/13

In exer[illegible]g this Chain of Custody, the client acknowledges acceptance of the te[illegible] and conditions of the agreement as set forth at http://www.trace-labs[illegible]n/cocterms.php

# CHAIN-OF-CUSTODY RECORD

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fax 231.773.6537

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2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com



TRACE NO.

TRACE USE ONLY

Logged By: Checked By:

Received on Ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC

Contact Person: S. Paulukiewicz

Mailing Address: 2025 E. Beltline Ave Ste 400

City, State, Zip Code: Grand Rapids MI 49546

Phone: 616 975 5415 Fax: 616 975 1098

Email Address: Spaulukiewicz@trcsolutions.com

Cell #: Sampled by: DM

Project Name & #: LEC 199380.0000.0000

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard | ☒ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | 3-4 Day (RUSH)* | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | 24-48 Hour (RUSH)* | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * Requires prior approval | | OI = Oil | D = Drinking Water |
| Special | ☐ | | | SO = Solid Waste | SL = Sludge |

**Bill To:**

Billing Address (if different)

City, State, Zip Code Windsor CT

Attn: Phone: PO #:

**Request for Analytical Services**

ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CH4 | NO3/SO4/TSS/TDS | MH2/P | Diss Lead | HPC | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 02/11/13 | 0935 | Y | MW-34S | GW | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/11/13 | 0942 | Y | ~~AA~~ MW-35S | GW | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/11/13 | 0959 | Y | MW-32S | GW | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/11/13 | 1004 | Y | MW-31S | GW | 11 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/11/13 | 1015 | Y | MW-33S | GW | 11 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/11/13 | 1314 | Y | MW-27S | GW | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | | | | ~~Blank~~ TRIP Blank | | 2 | 2 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [signature] | FedEx | 02/11/13 | 1700 | | 3) | | | |
| | 2) | | | | | 4) | | | |

Executing this Chain of Custody, the client acknowledges acceptance of the terms and conditions of the agreement as set forth at http://www.tracelabs.com/coc

[signature] 2/15/13

001 17

# CHAIN-OF-CUSTODY RECORD

TRACE
the science of compliance

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

Page 1 of 1

TRACE ID NO.

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC Env Corp

Contact Person: Scott Paulukiewicz

Mailing Address: 2025 East Beltline Ave Ste 402

City, State, Zip Code: Grand Rapids MI 49546

Phone: 616 975 5415 Fax: 616 975 1098

Email Address: SPaulukiewicz@trcsolutions.com

Cell #: Sampled by: DM

Project Name & #: LEC 199 380.00000.000000

**Bill To:**

Billing Address (if different)

City, State, Zip Code Windsor CT

Attn: Phone: PO #:

Regulatory Requirements: MERA TMDL's ☐ Drinking Water ☐ NPDES ☐ USACE ☐ Special ☐

Turnaround Requirements: Standard ☒ 3-4 Day (RUSH)* ☐ 24-48 Hour (RUSH)* ☐ * Requires prior approval

Matrix Key: S = Soil, W = Water, SE = Sediment, OI = Oil, SO = Solid Waste, WI = Wipes, LW = Liquid Waste, A = Air, D = Drinking Water, SL = Sludge

**Request for Analytical Services**

ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CH4 | NH3/P | Diss. Lead | HPC | TSS/TDS | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 02/12/13 | 0943 | Y | MW-19-12 | W | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/12/13 | 1003 | Y | MW-19-6R | W | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/12/13 | 1146 | Y | MW-19-15 | W | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/12/13 | 1241 | Y | MW-19-13 | W | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/12/13 | 1309 | | RB-02 | | 4 | 2 | 2 | | | | | | | | | | |
| | 02/12/13 | 1412 | Y | MW-19-16 | W | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/12/13 | 1449 | Y | MW-19-14 | W | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/12/13 | 1550 | Y | MW-19-7R | W | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/12/13 | 1635 | Y | MW-19R | W | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | | | | Trip Blank | | 2 | 2 | | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) D. Mr | FedEx | 02/12/13 | 1730 | | 3) | | | |
| | 2) | | | | | 4) | | | |

4/15/13

In executing this Chain of Custody, the client acknowledges acceptance of the terms and conditions of the agreement as set forth at http://www.trace-labs.com/cocterms.php

# CHAIN-OF-CUSTODY RECORD

TRACE the science of compliance

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

Page 1 of 2

TRACE ID NO.

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC

Contact Person: Scott Paulkiewicz

Mailing Address: 2025 East Beltline Ave Ste 402

City, State, Zip Code: Grand Rapids MI 49546

Phone: 616 975 5415 Fax: 616 975 1098

Email Address: SPaulkiewicz@trcsolutions.com

Cell #: Sampled by: DM

Project Name & #: LEC 199380.0000.0000

**Bill To:**

Billing Address (if different)

City, State, Zip Code Windsor CT

Attn: Phone: PO #:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard | ☒ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | 3-4 Day (RUSH)* | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | 24-48 Hour (RUSH)* | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * Requires prior approval | | OI = Oil | D = Drinking Water |
| Special | ☐ | | | SO = Solid Waste | SL = Sludge |

**Request for Analytical Services**

ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CH4 | NO3/SO4/TSS/TDS | NH3/P | Diss Lead | HPC | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 02/13/13 | 1010 | Y | MW-25R | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/13/13 | 1032 | Y | MW-29S | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/13/13 | 1227 | Y | MW-28S | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/13/13 | 1300 | Y | MW-8 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/13/13 | 1338 | Y | MW-28I | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/13/13 | 1340 | Y | MW-28I MS/MSD | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/13/13 | 1515 | Y | MW-30D | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/13/13 | 1518 | Y | MW-30I | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/13/13 | 1600 | Y | DUP-02 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/13/13 | 1620 | | RB-02 | W | 4 | 2 | 2 | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [signature] | Fed Ex | 1800 | 02/13/13 | | 3) | | | |
| | 2) | | | | | 4) | | | |

4/15/13

In executing this Chain of Custody, the client acknowledges acceptance of the terms and conditions of the agreement as set forth at http://www.trace-labs.com/cocterms.php

# CHAIN-OF-CUSTODY RECORD

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toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com



TRACE ID NO.

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC

Contact Person: Scott Pachkiewicz

Mailing Address: 2025 E. Beltline Ave Ste 402

City, State, Zip Code: Grand Rapids MI 49546

Phone: 616 975 5415 Fax: 616 975 1098

Email Address: SPachkiewicz@trcsolutions.com

Cell #: Sampled by: DM

Project Name & #: LEC 199380.0000.00000

**Bill To:**

Billing Address (if different)

City, State, Zip Code Windsor CT

Attn: Phone: PO #:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard | ☒ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | 3-4 Day (RUSH)* | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | 24-48 Hour (RUSH)* | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * Requires prior approval | | OI = Oil | D = Drinking Water |
| Special | ☐ | | | SO = Solid Waste | SL = Sludge |

**Request for Analytical Services**

ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|
| | — | — | | Trip Blank | | 2 | 2 | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) D. Tzy | FedEx | 02/13/13 | 1800 | | 3) | | | |
| | 2) | | | | | 4) | | | |

In ex[illegible]ing this Chain of Custody, the client acknowledges acceptance of the [illegible]s and conditions of the agreement as set forth at http://www.trace-la[illegible]om/cocterms.php

Dup of Tr 4/15/13

# CHAIN-OF-CUSTODY RECORD

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2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com

Page ____ of ____

TRACE ID NO.

TRACE USE ONLY
Logged By: Checked By:
Received on ice: Yes No Preservative Checked: Yes No N/A
Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC
Contact Person: Scott Paulkiewicz
Mailing Address: 2025 East Beltline Ave Ste 402
City, State, Zip Code: Grand Rapids MI 49546
Phone: 616 975 5415 Fax: 616 975 1098
Email Address:
Cell #: Sampled by: DM
Project Name & #: LEC 199380.00000.00000

Regulatory Requirements: MERA TMDL's ☐ Drinking Water ☐ NPDES ☐ USACE ☐ Special ☐

Turnaround Requirements: Standard ☒ 3-4 Day (RUSH)* ☐ 24-48 Hour (RUSH)* ☐ * Requires prior approval

Matrix Key: S = Soil, W = Water, SE = Sediment, OI = Oil, SO = Solid Waste, WI = Wipes, LW = Liquid Waste, A = Air, D = Drinking Water, SL = Sludge

**Bill To:**

Billing Address (if different)
City, State, Zip Code Windsor CT
Attn: Phone: PO #:

**Request for Analytical Services**

ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CH4 | Diss. Lead | NO2/SO4/TSS/TDS | NH3/P | FPC | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 02/14/13 | 0927 | | MW-19-5R | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/14/13 | 0930 | | DUP-03 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/14/13 | 0940 | | MW-19-17 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 02/14/13 | 1020 | | ATM-01 | W | 4 | 2 | 2 | | | | | | | | | | |
| | | | | Trip Blank | | 1 | 1 | | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) D. Mul | FedEx | 02/14/13 | 1700 | | 3) | | | |
| | 2) | | | | | 4) | | | |

Dup 3 hr 11/15/13

In executing this Chain of Custody, the client acknowledges acceptance of the terms and conditions of the agreement as set forth at http://www.trace-labs.com/cocterms.phr

71/74

FedEx Office

321 MT. HOPE AVE
ROCKAWAY, NJ 07866

Location: ARXK
Device ID: ARXK-POS1
Employee: 1799963
Transaction: 78075660835

PRIORITY OVERNIGHT 621
802839978260 301.25 lb (S)
795550741923
795550741934
795550741945
795550741956
795550741967

Scheduled Delivery Date 02/12/2013

Shipment subtotal: 621.89
Total Due: 621.89
FedEx Account: 621.89
*****0599

H = Weight entered manually
S = Weight read from scale
T = Taxable item

Subject to additional charges. See FedEx Service Guide at fedex.com for details. All merchandise sales final.

Visit us at: fedex.com
Or call 1.800.GoFedEx
1.800.463.3339

February 2013 15:21:28 PM
4/15/13

FedEx Express. NEW Package US Airbill

FedEx Tracking Number 8028 3997 8260

Sender's Copy

1 From Please print and press hard.
Date 02/11/13 Sender's FedEx Account Number 1999 8059 9
FOR FEDEX ACCOUNT NUMBER ONLY
Sender's Name David Muf Phone (973) 615 6674
Company TRC
Address 57 E. Willow St
Dept./Floor/Suite/Room
City Millburn State NJ ZIP 07041

2 Your Internal Billing Reference
First 24 characters will appear on invoice. 199380 OPTIONAL

3 To Recipient's Name Sample Recieving Phone (231) 773 7672
Company TRACE LABS
Address 2241 Black Creek Rd
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room
Address
Use this line for the HOLD location address or for continuation of your shipping address.
City Muskegon State MI ZIP 49444

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.
HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service
NOTE: Service order has changed. Please select carefully.
Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon. Saturday Delivery NOT available.

2 or 3 Business Days
- [ ] FedEx 2Day A.M. — Second business morning. Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day. Saturday Delivery NOT available.

5 Packaging
- [ ] FedEx Envelope
- [ ] FedEx Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options
- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [x] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?
One box must be checked.
- [x] No
- [ ] Yes As per attached Shipper's Declaration.
- [ ] Yes Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment Bill to:
Enter FedEx Acct. No. or Credit Card No. below.
- [x] Sender Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No.
Credit Card No. Exp. Date

Total Packages: 6 Total Weight: 301 lbs. Total Declared Value: $ ____ .00

Fold here. Peel and stick airbill. No pouch needed.

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

72/74

FedEx Office

321 MT. HOPE AVE
ROCKAWAY, NJ 07866

Location: ARXK
Device ID: ARXK-POS1
Employee: 2025714
Transaction: 78075793784

PRIORITY OVERNIGHT 353.78
802839978903 174.25 lb (S)
795550818777
795550818788

Scheduled Delivery Date 02/13/2013

Shipment subtotal: 353.78

Total Due: 353.78

FedEx Account: 353.78
*****0599

H = Weight entered manually
S = Weight read from scale
T = Taxable item

Subject to additional charges. See FedEx Service Guide at fedex.com for details. All merchandise sales final.

Visit us at: fedex.com
Or call 1.800.GoFedEx
1.800.463.3339

February 12, 2013 5:55:09 PM

4/15/13

FedEx Express **NEW Package US Airbill**

FedEx Tracking Number 8028 3997 8903

**Sender's Copy**

**1 From** *Please print and press hard.*

Date 02/12/13 Sender's FedEx Account Number 1595 2059 9 SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name D. Marx Phone 973.615.6674

Company TRC

Address 37 E. Willow St

Dept./Floor/Suite/Room

City Millburn State NJ ZIP 07041

**2 Your Internal Billing Reference** First 24 characters will appear on invoice. 199380 OPTIONAL

**3 To** Recipient's Name Sample Recieving Phone (201) 773-7672

Company Trace Labs

Address 2241 Black Creek Rd

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for consideration of your shipping address.

City Muskegon State MI ZIP 49444

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

**4 Express Package Service** *To most locations.

NOTE: Service order has changed. Please select carefully.

*Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.*

**Next Business Day**

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

**2 or 3 Business Days**

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

**5 Packaging** *Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

**6 Special Handling and Delivery Signature Options**

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

- [x] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

**7 Payment** *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages 3 Total Weight 175 lbs. Total Declared Value* $ ____ .00

*Your liability is limited to USD100 unless you declare a higher value. See back for details. By using this Airbill you

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

Peel and Stick airbill. No pouch needed.

4

73/74

FedEx Office

321 MT. HOPE AVE
ROCKAWAY, NJ 07866

Location: ARXK
Device ID: ARXK-POS1
Employee: 2025714
Transaction: 78075908702

PRIORITY OVERNIGHT 385.75
802839978178 193.25 lb (S)
795550879713
795550879724

Scheduled Delivery Date 02/14/2013

Shipment subtotal: 385.75

Total Due: 385.75

FedEx Account: 385.75
*****0599

N = Weight entered manually
S = Weight read from scale
T = Taxable item

Subject to additional charges. See FedEx Service Guide at fedex.com for details. All merchandise sales final.

Visit us at: fedex.com
Or call 1.800.GoFedEx
1.800.463.3339

February 13, 2013 5:49:28 PM

4/15/13

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8028 3997 8178

Sender's Copy

1 From Please print and press hard.

Date 02/13/13 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name David Marx Phone (973) 6156674

Company TRC

Address 57 East Willow St Dept./Floor/Suite/Room

City Millburn State NJ ZIP 07041

2 Your Internal Billing Reference
First 24 characters will appear on invoice. OPTIONAL

3 To Recipient's Name Sample Recieving Phone (231) 773 7672

Company Trace Labs

Address 2241 Black Creek Rd Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City Muskegon State MI ZIP 49444

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service *To most locations.
NOTE: Service order has changed. Please select carefully.
Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [x] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?
One box must be checked.

- [x] No
- [ ] Yes As per attached Shipper's Declaration
- [ ] Yes Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment Bill to:
Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages 3 Total Weight 199 lbs. Total Declared Value* $ ____ .00

Easy new Peel-and-Stick airbill. No pouch needed.

PEEL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

- Drop off at any FedEx location worldwide.
- Visit www.fedex.com/us/dropoff for locations and hours may vary by location.

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74/74

FedEx Office

321 MT. HOPE AVE
ROCKAWAY, NJ 07866

Location: ARXK
Device ID: ARXK-POS1
Employee: 1799963
Transaction: 78075990689

PRIORITY OVERNIGHT
802839978649 69.25 lb (S) 305.72

Scheduled Delivery Date 02/15/2013

Shipment subtotal: 305.72

Total Due: 305.72

FedEx Account: 305.72
*****0599

M = Weight entered manually
S = Weight read from scale
T = Taxable item

Subject to additional charges. See FedEx Service Guide at fedex.com for details. All merchandise sales final.

Visit us at: fedex.com
Or call 1.800.GoFedEx
1.800.463.3339

February 14, 2013 3:38:05 PM

4/15/13

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8028 3997 8649

Sender's Copy

1 From Please print and press hard.
Date 02/14/13 Sender's FedEx Account Number 1999 8059 9 SENDER'S FEDEX ACCOUNT NUMBER ONLY
Sender's Name D. Marx Phone (973) 615-6674
Company TRC
Address 57 East Willow St Dept./Floor/Suite/Room
City Millburn State NJ ZIP 07041

2 Your Internal Billing Reference
First 24 characters will appear on invoice. OPTIONAL

3 To
Recipient's Name Sample Recieving Phone (231) 7737672
Company Trace Labs
Address 224 Black Creek Rd
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room
Address
Use this line for the HOLD location address or for continuation of your shipping address.
City Muskegon State MI ZIP 49444

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.
☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Easy new Peel-and-Stick airbill. No p[illegible] needed.

4 Express Package Service *To most locations.
NOTE: Service order has changed. Please select carefully.
Packages up to 150 lbs. For packages over 150 lbs., see the new FedEx Express Freight US Airbill.

Next Business Day
☐ FedEx First Overnight Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☒ FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days
☐ FedEx 2Day A.M. Second business morning.* Saturday Delivery NOT available.
☐ FedEx 2Day Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Express Saver Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options
☐ SATURDAY Delivery NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
☒ No Signature Required Package may be left without obtaining a signature for delivery.
☐ Direct Signature Someone at recipient's address may sign for delivery. Fee applies.
☐ Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?
One box must be checked.
☒ No
☐ Yes As per attached Shipper's Declaration.
☐ Yes Shipper's Declaration not required.
☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.
☐ Cargo Aircraft Only

7 Payment Bill to:
Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 1 will be billed.
☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
FedEx Acct. No. Credit Card No. Exp. Date

Total Packages 1 Total Weight 69 lbs. Total Declared Value* $ 0.00

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

TRC

| | |
|---|---|
| PROJECT NAME: | LE Carpenter & Co. |
| PROJECT NUMBER: | 199380.000000.000000 |
| PROJECT MANAGER: | B. Culp |
| SITE LOCATION: | 170 N. Main Street<br>Wharton, NJ 07885 |
| DATES OF FIELDWORK: | 5/13/2013 TO 5/16/2013 |
| PURPOSE OF FIELDWORK: | 2Q2013 Sampling |
| WORK PERFORMED BY: | Dave Marx, Rachel Adams |

05/16/13 [signature] SIGNED DATE

[signature] 7/1/13 CHECKED BY DATE

REVISED 06/2011

TRC

# GENERAL NOTES

| PROJECT NAME: LE Carpenter & Co. | DATE: 05/13/2013 | TIME ARRIVED: 0545 |
|---|---|---|
| PROJECT NUMBER: 199380.000000.000000 | AUTHOR: Dave Marx | TIME LEFT: 1530 |

**WEATHER**

TEMPERATURE: 45 °F WIND: 0 MPH VISIBILITY: Clear

**WORK / SAMPLING PERFORMED**

Bottleware inventory
0800: LV. Co. Inc offsite to remove empty roll off
1200, SH: Full Container / UPS delivery SSTW and GW Filters
Collect Synoptic Water Level Measurements
Sample SW-D-3, SW-D-2, SW-D-4, SW-D-1, DRC-02, SW-D-5, (DUP-01) → SW-R-1, SW-R-2, SW-R-3
SW-R-4, SW-R-6, RB-01
Purge Dry - MW-34S, 35S, 32S, 31S, 33S, 27S

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| Full Rolloff in Point of Entry | Moved full rolloff to side |
| | |
| | |
| | |

**COMMUNICATION**

| NAME | REPRESENTING | SUBJECT / COMMENTS |
|---|---|---|
| D. Marx S.P. | TRC | SP called Do not install TW; Give Update |
| D. Cordova | LEC | Site Sign-in |
| Driver | LV. Co. Inc. | Pick up Rolloffs (2) for ERLF |
| BC, SP | TRC | Email Update |

**INVESTIGATION DERIVED WASTE SUMMARY**

| WASTE MATRIX | QUANTITY | COMMENTS |
|---|---|---|
| GW | ~ 10 Gal | Drumed |
| | | |
| | | |
| | | |

D. Marx 05/13/13 — SIGNED, DATE

S Pauley 7/1/13 — CHECKED BY, DATE

REVISED 06/2011

TRC

# GENERAL NOTES

| PROJECT NAME: LE Carpenter & Co. | DATE: 05/15/2013 | TIME ARRIVED: 0600 |
|---|---|---|
| PROJECT NUMBER: 199380.000000.000000 | AUTHOR: Dave Marx | TIME LEFT: 1745 |

**WEATHER**

TEMPERATURE: 38-~~44~~ °F WIND: 4-8 MPH VISIBILITY: Clear

**WORK / SAMPLING PERFORMED**

Sampled MW-31S → MW-35S, MW-27S, MW-19-12, MW-19-17, MW-19-6R, MW-19-14
Shipped all SW samples as well as the above

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| Time did not permit the re-installation of SW-R-6 staff gauge | Will re-install first thing ~~tomorrow~~ tomorrow |

**COMMUNICATION**

| NAME | REPRESENTING | SUBJECT / COMMENTS |
|---|---|---|
| Spaulding | TRC | Emailed 2Q2013 05/19/13 Update |
| M. Culp | TRC | |
| J. Mink | TRACE | Auto Emailed; 10 HR samples delivered tomorrow morning |

**INVESTIGATION DERIVED WASTE SUMMARY**

| WASTE MATRIX | QUANTITY | COMMENTS |
|---|---|---|
| GW | ~18 gallons | Drummed |

Daniel Marx 05/14/13
SIGNED DATE

S. Pauling 7/1/13
CHECKED BY DATE

REVISED 06/2011

TRC

# GENERAL NOTES

| | | | | | |
|---|---|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | DATE: | 05/ 15 /2013 | TIME ARRIVED: | 0545 |
| PROJECT NUMBER: | 199380.000000.000000 | AUTHOR: | Dave Marx | TIME LEFT: | 1745 |

**WEATHER**

TEMPERATURE: 71-73 °F WIND: 2 SSW MPH VISIBILITY: Mostly cloudy

**WORK / SAMPLING PERFORMED**

Sampled + Shipped MW-19-15, MW-19-13, MW-19R, ~~MW-19-15R~~
MW-19-16, MW-19-5R, MW-19-7R, MW-25R
TRIP Blank and RB-02

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| MW-19-15, MW-19-16, MW-19-13 MW-25R did not achieve <10NTUs | Purged wells for ~1.5 hrs and sampled as per (at least) SP (TRC) |
| Surveyors not onsite today | informed B.C., SP |

**COMMUNICATION**

| NAME | REPRESENTING | SUBJECT / COMMENTS |
|---|---|---|
| S. Paulukiewicz | TRC | Wells not achieving <10 NTU, |
| SAA | TRC | Emailed Sampling update |
| BCLP | TRC | |
| Jon Mizle | TRACE | Emailed # HPC samples |

**INVESTIGATION DERIVED WASTE SUMMARY**

| WASTE MATRIX | QUANTITY | COMMENTS |
|---|---|---|
| Purge Water | 47 gallons | poly tank |
| | | |
| | | |
| | | |

David Marx 05/15/13 — SIGNED / DATE

S Paulukiewicz 7/1/13 — CHECKED BY / DATE

REVISED 06/2011

TRC

# GENERAL NOTES

| PROJECT NAME: | LE Carpenter & Co. | DATE: | 05/ 16 /2013 | TIME ARRIVED: 0945 |
|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | AUTHOR: | Dave Marx | TIME LEFT: 1545 |

**WEATHER**

TEMPERATURE: 67-80 °F WIND: 1 (SW) MPH VISIBILITY: overcast to clear

**WORK / SAMPLING PERFORMED**

Sampled + Shipped MW-28I + MS/MSD; MW-28S, MW-29S
MW-08, MW-30SR + DUP-03; MW-30D, MW-30I
Trip Blank, RB-03, AFM-01

Surveyors arrived 845 AM Departed ~ 12-1230
Site Inventory

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| MW-08 did not acheive <10NTUs | sampled when readings stabilized |

**COMMUNICATION**

| NAME | REPRESENTING | SUBJECT / COMMENTS |
|---|---|---|
| Jon Mink | TRACE | Label Discrepancy MW-19R, MW-19-9R. instructed JM to use sample times. |

**INVESTIGATION DERIVED WASTE SUMMARY**

| WASTE MATRIX | QUANTITY | COMMENTS |
|---|---|---|
| Purge Water | 33 gal. | poly tank |

D. Marx 05/16/13
SIGNED DATE

S Pauly 7/1/13
CHECKED BY DATE

REVISED 06/2011

TRC

# EQUIPMENT SUMMARY

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | SAMPLER NAME: | Dave Marx, Rachel Adams |
| PROJECT NO.: | 199380.000000.000000 | | |

**WATER LEVEL MEASUREMENTS COLLECTED WITH:**

| NAME AND MODEL OF INSTRUMENT | SERIAL NUMBER (IF APPLICABLE) |
|---|---|
| QED | RENTAL |

**PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:**

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

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

| NAME AND MODEL OF INSTRUMENT | SERIAL NUMBER (IF APPLICABLE) |
|---|---|
| QED | RENTAL |

**PURGING METHOD**

| NAME AND MODEL OF PUMP OR TYPE OF BAILER | SERIAL NUMBER (IF APPLICABLE) |
|---|---|
| BLADDER PUMP (QED SAMPLE PRO) | RENTAL |

**SAMPLING METHOD**

| NAME AND MODEL OF PUMP OR TYPE OF BAILER | SERIAL NUMBER (IF APPLICABLE) |
|---|---|
| BLADDER PUMP (QED SAMPLE PRO) | RENTAL |

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

| TUBING TYPE | |
|---|---|
| DISPOSABLE POLY TUBING | ☑ LOW-FLOW SAMPLING EVENT |

**PURGE WATER DISPOSAL METHOD**

☐ GROUND ☒ DRUM ☐ POTW ☑ POLYTANK ☐ OTHER _____

**DECONTAMINATION AND FIELD BLANK WATER SOURCE**

| POTABLE WATER SOURCE | DI WATER SOURCE |
|---|---|
| STORE BOUGHT | STORE BOUGHT |

| SIGNED | DATE | CHECKED BY | DATE |
|---|---|---|---|
| D. Marx | 05/16/13 | S Pauly | 7/1/13 |

REVISED 06/2011

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21084 Mfr 019529
**Description** Horiba U-52
**Calibrated** 5/7/2013 10:31:11AM

**Manufacturer** Horiba
**Model Number** U-52
**Serial Number/ Lot Number** GRWEXW6K
**Location** New Jersey
**Department**

**State Certified**
**Status** Pass
**Temp °C** 21.8
**Humidity %** 44

### Calibration Specifications

**Group #** 1
**Group Name** PH
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 7.01 / 7.01 | PH | 7.01 | PH | 7.00 | 7.00 | -0.14% | Pass |
| 4.01 / 4.01 | PH | 4.01 | PH | 4.00 | 4.00 | -0.25% | Pass |

**Group #** 2
**Group Name** Turbidity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | NTU | 0.00 | NTU | 0.00 | 0.00 | 0.00% | Pass |
| 800.00 / 800.00 | NTU | 800.00 | NTU | 800.00 | 800.00 | 0.00% | Pass |

**Group #** 3
**Group Name** Conductivity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.000

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.718 / 0.718 | ms/cm | 0.718 | ms/cm | 0.718 | 0.718 | 0.00% | Pass |
| 5.000 / 5.000 | ms/cm | 5.000 | ms/cm | 5.000 | 5.000 | 0.00% | Pass |
| 80.000 / 80.000 | ms/cm | 80.000 | ms/cm | 80.000 | 80.000 | 0.00% | Pass |

**Group #** 4
**Group Name** Redox (ORP)
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 240.00 / 240.00 | mv | 240.00 | mv | 240.00 | 240.00 | 0.00% | Pass |

**Group #** 5
**Group Name** Disolved Oxygen Zero
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, Inc.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21084
**Description** Horiba U-52
**Calibrated** 5/7/2013 10:31:11AM

**Group #** 5 — **Range Acc %** 0.0000
**Group Name** Disolved Oxygen Zero — **Reading Acc %** 3.0000
**Stated Accy** Pct of Reading — **Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | mg/L | 0.00 | mg/L | 0.00 | 0.00 | 0.00% | Pass |

**Group #** 6 — **Range Acc %** 0.0000
**Group Name** Temperature DO Span — **Reading Acc %** 0.0000
**Stated Accy** Plus / Minus — **Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 20.00 / 17.00 | degrees C | 9.37 | mg/L | 9.37 | 9.37 | 0.00% | Pass |

**Test Instruments Used During the Calibration** (As Of Cal Entry Date)

| Test Standard ID | Description | Manufacturer | Model Number | Serial Number / Lot Number | Last Cal Date/ Opened Date | Next Cal Date / Expiration Date |
|---|---|---|---|---|---|---|
| NJ AUTO CAL: C358991 | Auto Cal Solution: 4.01 PH / 0.0 NTU / 4.49 mS/cm | GFS | AUTO CAL. 8483 | C385991 | 5/2/2013 | 2/28/2014 |
| NJ COND 5K: 3AC613 | Conductivity 5000 uS/cm | AquaPhoenix Scientific | 5000 | 3AC613 | 4/24/2013 | 3/31/2014 |
| NJ COND 718: 2AG277 | Conductivity 718 uS/cm | AquaPhoenix Scientific | 718 | 2AG277 | 1/10/2013 | 7/31/2013 |
| NJ COND 80K: 2AL015 | Conductivity 80K uS/cm | AquaPhoenix Scientific | 80, 000 | 2AL015 | 1/10/2013 | 12/31/2013 |
| NJ DO ZERO: 2011030423 | HORIBA SODIUM SULFITE | EMD | SX07853 | 2011030423 | 4/24/2013 | 7/24/2013 |
| NJ ORP 240 MV: 4253 | ORP solution 240mv | Hanna | 240Mv | 4253 | 8/31/2012 | 4/30/2017 |
| NJ PH7: 3AD740 | BUFFER, PH7 YELLOW | AquaPhoenix Scientific | PH7 | 3AD740 | 5/1/2013 | 4/30/2015 |
| NJ TURB 800 201046-4 | Turbidity 800 NTU | Horiba | | 201046-4 | | |

**Sensor Information**

| Sensor Type | Manufacturer | Serial Number | Date Installed |
|---|---|---|---|

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, LLC.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21187 meter 15122
**Description** Horiba U-52
**Calibrated** 5/8/2013 2:28:54PM

**Manufacturer** Horiba
**Model Number** U-5000
**Serial Number/ Lot Number** RJ1LYJUK
**Location** New Jersey
**Department**

**State Certified**
**Status** Pass
**Temp °C** 24
**Humidity %** 64

### Calibration Specifications

**Group #** 1
**Group Name** PH
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 7.01 / 7.01 | PH | 7.01 | PH | 7.00 | 7.00 | -0.14% | Pass |
| 4.01 / 4.01 | PH | 4.01 | PH | 4.00 | 4.00 | -0.25% | Pass |

**Group #** 2
**Group Name** Turbidity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | NTU | 0.00 | NTU | 0.00 | 0.00 | 0.00% | Pass |
| 800.00 / 800.00 | NTU | 800.00 | NTU | 800.00 | 800.00 | 0.00% | Pass |

**Group #** 3
**Group Name** Conductivity
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.000

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.718 / 0.718 | ms/cm | 0.718 | ms/cm | 0.718 | 0.718 | 0.00% | Pass |
| 5.000 / 5.000 | ms/cm | 5.000 | ms/cm | 5.000 | 5.000 | 0.00% | Pass |
| 80.000 / 80.000 | ms/cm | 80.000 | ms/cm | 80.000 | 80.000 | 0.00% | Pass |

**Group #** 4
**Group Name** Redox (ORP)
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 240.00 / 240.00 | mv | 240.00 | mv | 240.00 | 240.00 | 0.00% | Pass |

**Group #** 5
**Group Name** Disolved Oxygen Zero
**Stated Accy** Pct of Reading
**Range Acc %** 0.0000
**Reading Acc %** 3.0000
**Plus/Minus** 0.00

11 of 16

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, LLC.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21187
**Description** Horiba U-52
**Calibrated** 5/8/2013 2:28:54PM

**Group #** 5 — **Range Acc %** 0.0000
**Group Name** Disolved Oxygen Zero — **Reading Acc %** 3.0000
**Stated Accy** Pct of Reading — **Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 0.00 / 0.00 | mg/L | 0.00 | mg/L | 0.00 | 0.00 | 0.00% | Pass |

**Group #** 6 — **Range Acc %** 0.0000
**Group Name** Temperature DO Span — **Reading Acc %** 0.0000
**Stated Accy** Plus / Minus — **Plus/Minus** 0.00

| Nom In Val / In Val | In Type | Out Val | Out Type | Fnd As | Lft As | Dev% | Pass/Fail |
|---|---|---|---|---|---|---|---|
| 20.00 / 20.00 | degrees C | 8.84 | mg/L | 8.84 | 8.84 | 0.00% | Pass |

**Test Instruments Used During the Calibration** (As Of Cal Entry Date)

| Test Standard ID | Description | Manufacturer | Model Number | Serial Number / Lot Number | Last Cal Date/ Opened Date | Next Cal Date / Expiration Date |
|---|---|---|---|---|---|---|
| NJ AUTO CAL: C358991 | Auto Cal Solution: 4.01 PH / 0.0 NTU / 4.49 mS/cm | GFS | AUTO CAL. 8483 | C385991 | 5/2/2013 | 2/28/2014 |
| NJ COND 5K: 3AC613 | Conductivity 5000 uS/cm | AquaPhoenix Scientific | 5000 | 3AC613 | 4/24/2013 | 3/31/2014 |
| NJ COND 718: 2AG277 | Conductivity 718 uS/cm | AquaPhoenix Scientific | 718 | 2AG277 | 1/10/2013 | 7/31/2013 |
| NJ COND 80K: 2AL015 | Conductivity 80K uS/cm | AquaPhoenix Scientific | 80, 000 | 2AL015 | 1/10/2013 | 12/31/2013 |
| NJ DO ZERO: 2011030423 | HORIBA SODIUM SULFITE | EMD | SX07853 | 2011030423 | 4/24/2013 | 7/24/2013 |
| NJ ORP 240 MV: 4253 | ORP solution 240mv | Hanna | 240Mv | 4253 | 8/31/2012 | 4/30/2017 |
| NJ PH7: 3AD740 | BUFFER, PH7 YELLOW | AquaPhoenix Scientific | PH7 | 3AD740 | 5/1/2013 | 4/30/2015 |
| NJ TURB 800 201046-4 | Turbidity 800 NTU | Horiba | | 201046-4 | | |

**Sensor Information**

| Sensor Type | Manufacturer | Serial Number | Date Installed |
|---|---|---|---|

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services, LLC.**
92 North Main St, Building 20
Windsor, NJ 08561
Toll-free: (800) 301-9663

## Pine Environmental Services, Inc.

**Instrument ID** 21187
**Description** Horiba U-52
**Calibrated** 5/8/2013 2:28:54PM

**Notes about this calibration**

**Calibration Result** Calibration Successful
**Who Calibrated** Lawrence Fischer

All instruments are calibrated by Pine Environmental Services, LLC. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

**Notify Pine Environmental Services, LLC. of any defect within 24 hours of receipt of equipment**
**Please call 866-960-7463 for Technical Assistance**

TRC

# WATER QUALITY METER CALIBRATION LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | MODEL: Horiba U-52 | SAMPLER: DM RA |
| PROJECT NO.: | 199380.000000.000000 | SERIAL #: RENTAL | DATE: 05/13/13 |

## PH CALIBRATION CHECK

| pH 7 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | pH 4 / 10 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

## ORP CALIBRATION CHECK

| CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | CAL. RANGE | TIME |
|---|---|---|
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (NTU) (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

## COMMENTS

| ☒ AUTOCAL SOLUTION (LOT #): C35899 1 (EXP. DATE): 04/26/14 | ☐ STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK |
|---|---|
| CALIBRATED PARAMETERS | CALIBRATION RANGES [1] |
| ☒ pH 4.00/4.00 | pH: +/- 0.2 S.U. |
| ☒ COND 1413/1.413 | COND: +/- 1% OF CAL. STANDARD |
| ☐ ORP | ORP: +/- 25 mV |
| ☒ D.O. 11.72/8.74 | D.O.: VARIES |
| ☒ TURB 0.0/10.0 | TURB: +/- 5% OF CAL. STANDARD |
| ☐ _____ | [1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER |
| ☐ _____ | |

## NOTES

Probe

21187 S/N — Two Probes/Meters

~~01519~~ S/N

21084

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTIONS |
|---|---|
| None | |
| | |
| | |

D. [illegible] 05/13/13
SIGNED DATE

S. Pauly 7/1/13
CHECKED BY DATE

REVISED 06/2011

TRC

# WATER QUALITY METER CALIBRATION LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | MODEL: Horiba U-52 | SAMPLER: DM RA |
| PROJECT NO.: | 199380.000000.000000 | SERIAL #: RENTAL | DATE: 05/14/13 |

## PH CALIBRATION CHECK

| pH 7 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | pH 4 / 10 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

## ORP CALIBRATION CHECK

| CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | CAL. RANGE | TIME |
|---|---|---|
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (NTU) (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

## COMMENTS

| ☒ AUTOCAL SOLUTION (LOT #): C358991 (EXP. DATE): 02/28/14 | ☐ STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK |
|---|---|
| CALIBRATED PARAMETERS | CALIBRATION RANGES [1] |
| ☒ pH 3.99/4.00 | pH: +/- 0.2 S.U. |
| ☒ COND 4.54/4.55 | COND: +/- 1% OF CAL. STANDARD |
| ☐ ORP | ORP: +/- 25 mV |
| ☒ D.O. 10.74/10.85 | D.O.: VARIES |
| ☒ TURB 0.1/20 | TURB: +/- 5% OF CAL. STANDARD |
| ☒ TEMP 11.11/10.08 | [1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER |
| ☐ | |

## NOTES

Probe
21187 S/N Two Probes/Meters
~~[illegible]~~ S/N
21084

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTIONS |
|---|---|
| None | |
| | |
| | |

SIGNED [signature] DATE 05/14/13

CHECKED BY S Pauly DATE 7/1/13

REVISED 06/2011

TRC

# WATER QUALITY METER CALIBRATION LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | MODEL: Horiba U-52 | SAMPLER: DM RA |
| PROJECT NO.: | 199380.000000.000000 | SERIAL #: RENTAL | DATE: 05/15/13 |

## PH CALIBRATION CHECK

| pH 7 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | pH 4 / 10 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

## ORP CALIBRATION CHECK

| CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | CAL. RANGE | TIME |
|---|---|---|
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (NTU) (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

## COMMENTS

☒ AUTOCAL SOLUTION (LOT #): C358991 (EXP. DATE): 04/28/14

☐ STANDARD SOLUTION (S)

LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK

| CALIBRATED PARAMETERS | CALIBRATION RANGES [1] |
|---|---|
| ☒ pH 3.99/3.99 | pH: +/- 0.2 S.U. |
| ☒ COND 4.54/4.51 | COND: +/- 1% OF CAL. STANDARD |
| ☐ ORP | ORP: +/- 25 mV |
| ☒ D.O. 11.12/11.01 | D.O.: VARIES |
| ☒ TURB 0.0, 0.0 | TURB: +/- 5% OF CAL. STANDARD |
| Temp 12.38 12.49 | [1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER |
| ☐ | |

## NOTES

Probe

21187 S/N Two Probes/Meters

~~674529~~ S/N

21084

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTIONS |
|---|---|
| None | |
| | |
| | |

SIGNED: D. M. 05/15/13 DATE

CHECKED BY: S Parry 7/1/13 DATE

REVISED 06/2011

TRC

# WATER QUALITY METER CALIBRATION LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | MODEL: Horiba U-52 | SAMPLER: DM RA |
| PROJECT NO.: | 199380.000000.000000 | SERIAL #: RENTAL | DATE: |

## PH CALIBRATION CHECK

| pH 7 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | pH 4 / 10 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

## ORP CALIBRATION CHECK

| CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | TEMPERATURE (°CELSIUS) | CAL. RANGE | TIME |
|---|---|---|---|
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |
| / | | ☐ WITHIN RANGE | |

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | CAL. RANGE | TIME |
|---|---|---|
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |
| | ☐ WITHIN RANGE | |

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (NTU) (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD | CAL. RANGE | TIME |
|---|---|---|---|
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |
| / | / | ☐ WITHIN RANGE | |

## COMMENTS

| ☒ AUTOCAL SOLUTION (LOT #): C358921 (EXP. DATE): 02/28/14 | ☐ STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK |
|---|---|
| CALIBRATED PARAMETERS | CALIBRATION RANGES [1] |
| ☒ pH 7.00/4.01 | pH: +/- 0.2 S.U. |
| ☒ COND 4.51/4.51 | COND: +/- 1% OF CAL. STANDARD |
| ☐ ORP | ORP: +/- 25 mV |
| ☒ D.O. 10.31/10.28 | D.O.: VARIES |
| ☒ TURB 0.0/0.0 | TURB: +/- 5% OF CAL. STANDARD |
| Temp 10.13/10.11 | [1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER |
| ☐ | |

## NOTES

Probe SN 21187 / SN ~~G19520~~ 21084
Two Probes / Meters

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTIONS |
|---|---|
| None | |

SIGNED [signature] DATE 05/16/13

CHECKED BY [signature] DATE 7/1/13

REVISED 06/2011

TRC

# WATER LEVEL DATA

| PROJECT NAME: | LE Carpenter & Co. | DATE: 05/13/13 |
|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | AUTHOR: Dave Marx, Rachel Adams |

| WELL LOCATION | TIME | REFERENCE | DEPTH TO WATER (FEET) | DEPTH TO BOTTOM (FEET) | DEPTH TO PRODUCT (FEET) | WATER ELEVATION |
|---|---|---|---|---|---|---|
| MW-19R | 0915 | | 8.06 | 15.35 | – | |
| MW-19-5R | 0920 | | 8.30 | 15.98 | – | |
| MW-19-6R | 0900 | | 8.54 | 15.58 | – | |
| MW-19-7R | 0851 | | 8.20 | 15.53 | – | |
| MW-19-8 | 0853 | | 8.33 | 19.09 | – | |
| MW-19-12 | 0855 | | 7.65 | 16.69 | – | |
| MW-19-13 | 0917 | | 7.54 | 15.03 | – | |
| MW-19-14 | 0908 | | 7.91 | 15.96 | – | |
| MW-19-15 | 0904 | | 8.19 | 15.65 | – | |
| MW-19-16 | 0906 | | 6.47 | 14.86 | – | |
| MW-19-17 | 0900 | | 8.93 | 15.59 | – | |
| GEI-3I | 0923 | | 12.31 | NA | – | |
| | | | | | | |
| | | | | | | |
| MW-25R | 1027 | | 2.19 | 9.88 | – | |
| MW-21 | 1030 | | 2.81 | 18.11 | – | |
| MW-27S | 1044 | | 8.50 | 13.01 | – | |
| MW-28S | 0943 | | 5.29 | 17.64 | – | |
| MW-28I | 0946 | | 5.24 | 22.81 | – | |
| MW-29S | 1040 | | 7.05 | 14.59 | – | |
| MW-30S(R) | 1014 | | 2.51 | 12.91 | – | |
| MW-30I | 1013 | | 2.71 | 18.10 | – | |
| | | | | | | |
| | | | | | | |

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

D. Marx 05/13/13
SIGNED DATE

S Pauly 7/1/13
CHECKED DATE

TRC

# WATER LEVEL DATA

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | DATE: | 05/03/13 |
| PROJECT NUMBER: | 199380.000000.000000 | AUTHOR: | Dave Marx, Rachel Adams |

| WELL LOCATION | TIME | REFERENCE | DEPTH TO WATER (FEET) | DEPTH TO BOTTOM (FEET) | DEPTH TO PRODUCT (FEET) | WATER ELEVATION |
|---|---|---|---|---|---|---|
| MW-30D | 1000 | | 2.49 | NA | ND | |
| MW-31s | 1024 | | 4.94 | 10.39 | ND | |
| MW-32s | 1019 | | 5.38 | ~~AD~~ 10.44 | ND | |
| MW-33s | 1021 | | 5.90 | 10.3 | ND | |
| MW-34s | 1016 | | 5.32 | 10.33 | ND | |
| MW-35s | 1018 | | 4.37 | 10.35 | ND | |
| | | | | | | |
| | | | | | | |
| SW-D-1 | 7:40 | 2.90 → | | NA | – | |
| SW-D-2 | 7:15 | 2.13 → | | NA | – | |
| SW-D-~~2~~4 | 7:30 | – | 2.00 | NA | – | |
| SW-D-~~4~~3 | 7:00 | 1.60 → | | NA | – | |
| SW-D-5 | 1140 | | 3.30 | NA | – | |
| SW-R-1 | 1200 | | 2.32 | NA | – | |
| SW-R-2 | 0959 | 2.1 | 2.12 | NA | – | |
| SW-R-3 | 1219 | | 1.50 | NA | – | |
| SW-R-4 | 1130 | | 2.36 | NA | – | |
| SW-R-5 | 0925 | | 2.14 | NA | – | |
| SW-R-6 | – | | NA | NA | – | |
| | | | | | | |
| DRC-2 | 1149 | | 2.56 | NA | – | |
| SG-R2 | 1000 | | 2.21 | NA | – | |
| | | | | | | |
| | | | | | | |

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

D. Marx 05/13/13
SIGNED DATE

S Pawley 7/12/13
CHECKED DATE

TRC

# WATER LEVEL DATA

| | | | |
|---|---|---|---|
| PROJECT NAME: | LE Carpenter & Co. | DATE: | 05/17/13 |
| PROJECT NUMBER: | 199380.000000.000000 | AUTHOR: | Dave Marx, Rachel Adams |

| WELL LOCATION | TIME | REFERENCE | DEPTH TO WATER (FEET) | DEPTH TO BOTTOM (FEET) | DEPTH TO PRODUCT (FEET) | WATER ELEVATION |
|---|---|---|---|---|---|---|
| MW-15S | 0937 | | 0937 9.88 | NA | — | |
| MW-15I | 0940 | | 9.73 | NA | — | |
| | | | | | | |
| | | | | | | |
| MW-17S | 0945 | | 17.59 | NA | — | |
| MW-12R | 1003 | | 7.22 | NA | — | |
| MW-9 | 1006 | | 3.14 | NA | marginal film inner casing | |
| MW-8 | 1011 | | 2.74 | 20.02 | SAA | |
| MW-13S | | | | NA | unable to open | |
| MW-13I | ~~4.37~~ 08:00 | | 4.31 | NA | | |
| MW-13S (R) | | | | NA | unable to open | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

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

D. Marx 05/13/13 — SIGNED — DATE

S Pawlig 7/1/13 — CHECKED — DATE

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | BY: DM/RA | DATE 05/13/13 | BY: SP | DATE: 7/1/13 |

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

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

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

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 0711 | DATE: 05/13/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: By: DM | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: | ODOR: | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1999-8079-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | BY: DM RA | DATE: 05/13/10 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: SW-0-2 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: – | DATE: – | SAMPLE | TIME: 0716 | DATE: 05/13/13 |
|---|---|---|---|---|---|

| | |
|---|---|
| PURGE METHOD: ☐ PUMP ☐ BAILER | PH: ____ SU; CONDUCTIVITY: ____ umhos/cm; ORP: ____ mV; DO: ____ mg/L |
| DEPTH TO WATER: ____ T/ PVC | TURBIDITY: ____ NTU ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY |
| DEPTH TO BOTTOM: ____ T/ PVC | |
| WELL VOLUME: ____ ☐ LITERS ☐ GALLONS | TEMPERATURE: ____ °C; OTHER: By DM |
| VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS | COLOR: ____; ODOR: ____ |
| COLOR: ____ ODOR: ____ | FILTRATE (0.45 um) ☐ YES ☑ NO |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | FILTRATE COLOR: ____; FILTRATE ODOR: ____ |
| | QC SAMPLE: ☐ MS/MSD ☒ DUP- 01 |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | COMMENTS: |

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FedEx | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8099-9 |
| COC NUMBER: | – | SIGNATURE: | [signature] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | BY: DMRA | DATE: 05/13/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: SW-0-4 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 0730 | DATE: 05/13/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: By DM | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1999-8099-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | BY: (DM) RA | DATE: 05/13/13 | BY: SP | DATE: 7/11/13 |

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

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

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

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 0738 | DATE: 05/13/13 |
|---|---|---|---|---|---|

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

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FedEx | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | — | SIGNATURE: | D. M | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | BY: DM RA | DATE: 05/13/14 | BY: Sp | DATE: 7/1/13 |

SAMPLE ID: DRC-02 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 1234 | DATE: 05/13/14 |
|---|---|---|---|---|---|

PURGE METHOD: ☐ PUMP ☐ BAILER

DEPTH TO WATER: _____ T/ PVC

DEPTH TO BOTTOM: _____ T/ PVC

WELL VOLUME: _____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS

COLOR: _____ ODOR: _____

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER

PH: _____ SU CONDUCTIVITY: _____ umhos/cm

ORP: _____ mV DO: _____ mg/L

TURBIDITY: _____ NTU ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: _____ °C OTHER: By: DM

COLOR: _____ ODOR: ∅

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

COMMENTS:

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 60mL | Amber | A | ☐ Y ☒ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: | FedEx | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1799-8099-9 |
|---|---|---|---|---|---|
| COC NUMBER: | — | SIGNATURE: | [signature] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | BY: DM RA | DATE: 05/13/13 | BY: SP | DATE: 7/1/13 |

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

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

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

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 1241 | DATE: 05/13/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: By DM | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |
| | | | | ☐ Y | ☐ N | | | | | ☐ Y | ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 05/14/13 |

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | BY: DM RA | DATE: 05/13/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: SW-K-1 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 1517 | DATE: 05/13/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: By DM | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | BY: DM RA | DATE: 05/13/13 | BY: JP | DATE: 7/1/13 |

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

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

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

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 1523 | DATE: 05/13/14 |
|---|---|---|---|---|---|

PURGE METHOD: ☐ PUMP ☐ BAILER

DEPTH TO WATER: ____ T/ PVC

DEPTH TO BOTTOM: ____ T/ PVC

WELL VOLUME: ____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS

COLOR: ____ ODOR: ____

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER

PH: ____ SU CONDUCTIVITY: ____ umhos/cm

ORP: ____ mV DO: ____ mg/L

TURBIDITY: ____ NTU ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: ____ °C OTHER: By DM

COLOR: ____ ODOR: ____

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: ____ FILTRATE ODOR: ____

QC SAMPLE: ☐ MS/MSD ☐ DUP- ____

COMMENTS:

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | INITIAL |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: | FedEx | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8091-9 |
|---|---|---|---|---|---|
| COC NUMBER: | — | SIGNATURE: | [signature] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000000.000000 | BY: DMRA | DATE 05/13/13 | BY: Sp | DATE: 7/1/13 |

SAMPLE ID: SW-K-3 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1533 | DATE: 05/13/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: By DM | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM RA | DATE: 05/13/13 | BY: Sp | DATE: 7/1/13 |

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

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

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

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 1545 | DATE: 05/13/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: by DM | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 µm) ☐ YES ☑ NO | | |
| TURBIDITY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- | |
| DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1494-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Mp | DATE SIGNED: 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.000001.000000 | BY: DM RA | DATE: 05/13/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: SW-R-6

WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

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

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 1438 | DATE: 05/13/13 |
|---|---|---|---|---|---|

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

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1999-8057-9 |
| COC NUMBER: — | SIGNATURE: D. Mp | DATE SIGNED: 05/14/13 |

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA | DATE: | BY: SP | DATE: 7/1/13 |

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

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

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☒ OTHER Rinse Blank

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 1491 | DATE: 05/13/13 |
|---|---|---|---|---|---|
| PURGE METHOD: ☐ PUMP ☐ BAILER | | | PH: ____ SU | CONDUCTIVITY: ____ umhos/cm | |
| | | | ORP: ____ mV | DO: ____ mg/L | |
| DEPTH TO WATER: ____ T/ PVC | | | TURBIDITY: ____ NTU | | |
| DEPTH TO BOTTOM: ____ T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ____ ☐ LITERS ☐ GALLONS | | | TEMPERATURE: ____ °C | OTHER: ____ | |
| VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS | | | COLOR: ____ | ODOR: ____ | |
| COLOR: ____ ODOR: ____ | | | FILTRATE (0.45 µm) ☐ YES ☑ NO | | |
| TURBIDITY | | | FILTRATE COLOR: ____ | FILTRATE ODOR: ____ | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- ____ | | |
| DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1999-8057-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/13/13 | BY: SP | DATE: 7/1/13 |

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

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

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

| PURGING | | SAMPLE | |
|---|---|---|---|
| TIME: 1200 | DATE: 05/13/13 | TIME: 0801 | DATE: 05/14/13 |
| PURGE METHOD: ☑ PUMP ~~BLADDER PUMP (QED)~~ ☐ BAILER peristaltic | | PH: 6.75 SU | CONDUCTIVITY: 849 umhos/cm |
| | | ORP: -98 mV | DO: 1.68 mg/L |
| DEPTH TO WATER: 4.37 T/ PVC | | TURBIDITY: 18.3 NTU | |
| DEPTH TO BOTTOM 10.35 T/ PVC | | ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | |
| WELL VOLUME: 0.98 ☐ LITERS ☒ GALLONS | | TEMPERATURE: 11.68 °C | OTHER: By: DM |
| VOLUME REMOVED: 2 ☐ LITERS ☒ GALLONS | | COLOR: clear | ODOR: yes |
| COLOR: clear | ODOR: – | FILTRATE (0.45 um) ☑ YES ☐ NO | |
| TURBIDITY | | FILTRATE COLOR: clear | FILTRATE ODOR: yes |
| ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- |
| DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER | | COMMENTS: Fe= 20 Alk= 60 | CO2=50 |

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1208 | 400 | 6.68 | 0.840 | -75 | 1.58 | 188 | 11.68 | 6.51 | INITIAL |
| 1213 | 400 | 6.74 | 0.846 | -94 | 1.28 | 31.6 | 11.72 | 8.92 | |
| 1218 | 400 | 6.75 | 0.849 | -98 | 1.68 | 18.3 | 11.68 | 10.12 | 2gal |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | 1 | 125 mL | PLASTIC | B | ☑ Y ☐ N |
| 2 | 40 mL | VOA | A | ☐ Y ☑ N | 1 | 100 mL | PLASTIC | F | ☐ Y ☑ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | x2 | 60 mL | AMBER | A | ☐ Y ☑ N |
| 1 | 500mL | PLASTIC | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 1 | 125 mL | PLASTIC | C | ☐ Y ☑ N | | | | | ☐ Y ☐ N |

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED BY: | | CHECKED BY: | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.000001.000000 | BY: DM/RA | DATE: 05/13/13 | BY: Sp | DATE: 7/1/13 |

SAMPLE ID: MW-25 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1200 | DATE: 05/13/13 | SAMPLE | TIME: 0815 | DATE: 05/14/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 5.32 T/ PVC

DEPTH TO BOTTOM 10.33 T/ PVC

WELL VOLUME: 0.8 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 2 ☐ LITERS ☒ GALLONS

COLOR: clear ODOR: –

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 6.70 SU CONDUCTIVITY: 895 umhos/cm

ORP: -90 mV DO: 2.37 mg/L

TURBIDITY: 0.0 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.61 °C OTHER: By: RA

COLOR: Clear ODOR: –

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 0 Alk= 35 CO2= 25

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY mS/cm (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORD) |
|---|---|---|---|---|---|---|---|---|---|
| 1205 | 400 | 6.53 | 0.911 | -58 | 4.87 | 0.4 | 11.11 | 5.32 | INITIAL |
| 1210 | 400 | 6.68 | 0.849 | -68 | 2.06 | 4.9 | 11.53 | 6.95 | |
| 1215 | 400 | 6.71 | 0.893 | -84 | 2.11 | 0.0 | 11.53 | 9.12 | |
| ~~1220~~ | 400 | 6.70 | 0.895 | -90 | 2.37 | 0.0 | 11.61 | ~~10.12~~ 10.24 RA | 2 gal |
| | | | | | | | | | |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FEDEX | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: D. Mp | DATE SIGNED: 05/14/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM/RA DATE: 05/13/13 | BY: Sp | DATE: 7/1/13 |

SAMPLE ID: MW-24S WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1315 | DATE: 05/13/13 | SAMPLE | TIME: 1013 | DATE: 05/14/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 5.90 T/ PVC

DEPTH TO BOTTOM 10.30 T/ PVC

WELL VOLUME: 0.7 ☐ LITERS ☑ GALLONS

VOLUME REMOVED: 2 ☐ LITERS ☒ GALLONS

COLOR: clear ODOR: –

TURBIDITY ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 6.69 SU CONDUCTIVITY: 792 umhos/cm

ORP: -89 mV DO: 9.21 mg/L

TURBIDITY: 0.0 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.98 °C OTHER: By DM

COLOR: slight tan ODOR: slight

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: ~~yes~~ no

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 20 Alk= 100 CO2= 100

| TIME (24 HR) | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALS) |
|---|---|---|---|---|---|---|---|---|---|
| 1320 | 350 | 6.65 | 0.888 | -72 | 2.28 | 7.2 | 10.23 | 7.81 | INITIAL |
| 1325 | 350 | 6.66 | 0.841 | -76 | 3.28 | 3.2 | 10.84 | 8.73 | |
| 1330 | 350 | 6.68 | 0.804 | -79 | 8.71 | 0.0 | 10.93 | 9.01 | |
| 1335 | 350 | 6.69 | 0.792 | -89 | 9.21 | 0.0 | 10.98 | 10.01 | 2 gal |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 8 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y | ☑ N | 1 | 125 mL | PLASTIC | B | ☑ Y | ☐ N |
| 2 | 40 mL | VOA | A | ☐ Y | ☑ N | 1 | 100 mL | PLASTIC | F | ☐ Y | ☑ N |
| 2 | 1 L | AMBER | A | ☐ Y | ☑ N | ~~1~~ 2 | 60 mL | AMBER | A | ☐ Y | ☑ N |
| 1 | 500mL | PLASTIC | A | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| 1 | 125 mL | PLASTIC | C | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |

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|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/13/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-7S

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1305 | DATE: 05/13/13 | SAMPLE | TIME: 0921 | DATE: 05/14/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 4.94 T/ PVC

DEPTH TO BOTTOM 10.35 T/ PVC

WELL VOLUME: 0.88 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 2 ☐ LITERS ☒ GALLONS

COLOR: clear ODOR: yes

TURBIDITY ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 9.53 SU CONDUCTIVITY: 658 umhos/cm

ORP: -189 mV DO: 5.67 mg/L

TURBIDITY: 32 NTU

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

TEMPERATURE: 10.62 °C OTHER: By DM

COLOR: clear ODOR: yes

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: yes

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 0 Alk= 100 CO2= >10

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1310 | 500 | 9.48 | 0.719 | -201 | 2.67 | 220 | 10.84 | 6.98 | INITIAL |
| 1315 | 500 | 9.53 | 0.698 | -189 | 5.67 | 32 | 10.62 | 10.51 | 2 gal |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

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|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM RA | DATE: 05/13/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-12S

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1240 | DATE: 05/13/13 | SAMPLE | TIME: 0943 | DATE: 05/14/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 5.38 T/ PVC

DEPTH TO BOTTOM ____ T/ PVC

WELL VOLUME: ____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 1.5 ☐ LITERS ☒ GALLONS

COLOR: Clear ODOR: —

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 6.74 SU CONDUCTIVITY: 948 umhos/cm

ORP: -90 mV DO: 1.78 mg/L

TURBIDITY: 18.2 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.81 °C OTHER: By RA

COLOR: Clear ODOR: —

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: ____ FILTRATE ODOR: ____

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 20 Alk= 70 CO2= 50

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (mS/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1245 | 400 | 6.78 | 0.938 | -89 | 8.21 | 9.0 | 11.56 | 5.38 | INITIAL |
| 1250 | 400 | 6.73 | 0.923 | -88 | 1.48 | 4.7 | 11.82 | 8.62 | |
| 1255 | 400 | 6.74 | 0.948 | -90 | 1.78 | 18.2 | 11.81 | 10.30 | 1.5 gal |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8059 9 |
|---|---|---|---|---|---|
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | CHECKED |
|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM/RA DATE: 05/13/13 | BY: Sp DATE: 7/1/13 |

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

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

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

| PURGING | TIME: 1410 | DATE: 05/13/13 | SAMPLE | TIME: 1134 | DATE: 05/14/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☑ PUMP PERISTALTIC PUMP ☐ BAILER

DEPTH TO WATER: 8.50 T/ PVC

DEPTH TO BOTTOM: 13.01 T/ PVC

WELL VOLUME: 0.74 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 1 ☐ LITERS ☒ GALLONS

COLOR: milky/H brown ODOR: —

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 7.97 SU CONDUCTIVITY: 810 umhos/cm

ORP: -124 mV DO: 2.28 mg/L

TURBIDITY: 982 NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

TEMPERATURE: 11.27 °C OTHER: By pm

COLOR: slight Brown ODOR: No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: No

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 0 Alk= 100 CO2= 12

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (MPA umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORD) |
|---|---|---|---|---|---|---|---|---|---|
| 1415 | 350 | 8.16 | 0.80 | -148 | 2.92 | 473 | 10.88 | 11.35 | INITIAL |
| 1420 | 350 | 7.97 | 0.81 | -124 | 2.28 | 982 | 11.27 | 12.91 | 1 gal |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y | ☑ N | 1 | 125 mL | PLASTIC | B | ☑ Y | ☐ N |
| 2 | 40 mL | VOA | A | ☐ Y | ☑ N | 1 | 100 mL | PLASTIC | F | ☐ Y | ☑ N |
| 2 | 1 L | AMBER | A | ☐ Y | ☑ N | 1 | 60 mL | AMBER | A | ☐ Y | ☐ N |
| 1 | 500mL | PLASTIC | A | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |
| 1 | 125 mL | PLASTIC | C | ☐ Y | ☑ N | | | | | ☐ Y | ☐ N |

| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8059-9 |
|---|---|---|---|---|---|
| COC NUMBER: | NA | SIGNATURE: | D. [illegible] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM (RA) | DATE: 05/14/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW 18-6R-17 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1248 | DATE: 05/14/13 | SAMPLE | TIME: 1315 | DATE: 05/14/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 15.58 T/ PVC

DEPTH TO BOTTOM 8.58 T/ PVC

WELL VOLUME: 1.14 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 4.0 ☐ LITERS ☒ GALLONS

COLOR: clear ODOR:

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 6.18 SU CONDUCTIVITY: 2870 umhos/cm

ORP: 18 mV DO: 2.36 mg/L

TURBIDITY: 0.0 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.61 °C OTHER: By RA

COLOR: cloudy ODOR: —

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: None

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 3 Alk= 70 CO2= 35

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C°) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1250 | 500 | 5.78 | 3180 | 62 | 3.40 | 3.6 | 14.17 | 8.58 | INITIAL |
| 1255 | ↓ | 6.06 | 2960 | 28 | 2.51 | 0.0 | 12.90 | 8.59 | 5 L |
| 1300 | ↓ | 6.08 | 2930 | 24 | 2.32 | 0.0 | 12.74 | 8.59 | 7.5 L |
| 1305 | ↓ | 6.15 | 2900 | 21 | 2.43 | 0.0 | 12.74 | 8.60 | 10 L |
| 1310 | ↓ | 6.17 | 2890 | 19 | 2.46 | 0.0 | 12.72 | 8.60 | 12.5 L |
| 1315 | ↓ | 6.18 | 2870 | 18 | 2.36 | 0.0 | 12.61 | 8.60 | 15 L |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8059-9 |
|---|---|---|---|---|---|
| COC NUMBER: | NA | SIGNATURE: | D. Mp | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/14/13 | BY: SP | DATE: 7/1/13 |

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

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

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

**PURGING** TIME: 1305 DATE: 05/14/13

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

DEPTH TO WATER: 7.71 T/ PVC

DEPTH TO BOTTOM 16.69 T/ PVC

WELL VOLUME: 1.4 ~~16.6~~ ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 25 L ☒ LITERS ☐ GALLONS

COLOR: Slightly Silty Brown ODOR: No

TURBIDITY ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

**SAMPLE** TIME: 1410 DATE: 05/14/13

PH: 7.49 SU CONDUCTIVITY: 503 umhos/cm

ORP: 223 mV DO: 9.33 mg/L

TURBIDITY: 6.1 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.80 °C OTHER: Bye DM

COLOR: clear ODOR: Clear No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: No

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 0 Alk= 100 CO2= >10

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORL) |
|---|---|---|---|---|---|---|---|---|---|
| 1308 | 400 | 6.61 | 535 | 157 | 9.04 | 164 | 16.09 | 7.71 | INITIAL |
| 1313 | 400 | 7.18 | 490 | 145 | 9.53 | 97.6 | 14.96 | 7.71 | 3 L |
| 1318 | 400 | 7.20 | 498 | 146 | 9.63 | 84.1 | 14.94 | 7.71 | 5.5 L |
| 1323 | 400 | 7.36 | 488 | 153 | 9.49 | 57.7 | 14.88 | 7.71 | 8 L |
| 1328 | 400 | 7.35 | 491 | 162 | 9.72 | 46.7 | 14.91 | 7.71 | 10.5 L |
| 1333 | 400 | 7.38 | 492 | 171 | 9.55 | 33.3 | 14.91 | 7.71 | 12 L |
| 1338 | 400 | 7.41 | 501 | 184 | 9.40 | 24.1 | 14.87 | 7.71 | 14.5 L |
| 1343 | 400 | 7.48 | 502 | 197 | 9.63 | 18.2 | 14.82 | 7.71 | 16 L |
| 1348 | 400 | 7.45 | 503 | 205 | 9.41 | 14.5 | 14.82 | 7.71 | 18.5 L |
| 1353 | 400 | 7.45 | 503 | 212 | 9.40 | 12.0 | 14.83 | 7.71 | 20 L |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | | CHECKED | |
|---|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM/RA | DATE: 05/14/13 | | BY: JP | DATE: 7/1/13 |

SAMPLE ID: MW-C-12

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORS) |
|---|---|---|---|---|---|---|---|---|---|
| 1398 | 400 | 7.48 | 503 | 220 | 9.32 | 6.3 | 14.78 | 7.71 | 22.5 L |
| 1403 | 400 | 7.49 | 503 | 225 | 9.39 | 5.9 | 14.79 | 7.71 | 24 L |
| 1408 | 400 | 7.49 | 503 | 223 | 9.33 | 6.1 | 14.80 | 7.71 | 24.5 L |

SIGNATURE: David Mop

DATE SIGNED: 05/14/13

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/14/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-15-14 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1433 DATE: 05/14/13 | SAMPLE | TIME: 1505 DATE: 05/14/13 |
|---|---|---|---|
| PURGE METHOD: | ☑ PUMP BLADDER PUMP (QED) ☐ BAILER | PH: 6.70 SU | CONDUCTIVITY: 1370 umhos/cm |
| | | ORP: 73 mV | DO: 1.40 mg/L |
| DEPTH TO WATER: 7.91 T/ PVC | | TURBIDITY: 0.0 NTU | |
| DEPTH TO BOTTOM 15.76 T/ PVC | | ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | |
| WELL VOLUME: 1.25 ☐ LITERS ☒ GALLONS | | TEMPERATURE: 11.32 °C | OTHER: By RA |
| VOLUME REMOVED: 4.0 ☐ LITERS ☒ GALLONS | | COLOR: Clear | ODOR: — |
| COLOR: Clear | ODOR: No | FILTRATE (0.45 um) ☑ YES | ☐ NO |
| TURBIDITY | | FILTRATE COLOR: Clear | FILTRATE ODOR: No |
| ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER | | COMMENTS: Fe= 0 | Alk= 80 CO2=30 |

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORD) |
|---|---|---|---|---|---|---|---|---|---|
| 1435 | 500 | 6.67 | 1360 | 70 | 1.67 | 5.3 | 11.48 | 7.90 | INITIAL |
| 1440 | ↓ | 6.68 | 1360 | 71 | 1.62 | 3.2 | 11.52 | 7.90 | 5L |
| 1445 | ↓ | 6.67 | 1360 | 70 | 1.57 | 0.0 | 11.44 | 7.90 | 7.5L |
| 1450 | ↓ | 6.68 | 1380 | 72 | 1.49 | 0.0 | 11.37 | 7.90 | 10 L |
| 1455 | ↓ | 6.68 | 1370 | 73 | 1.47 | 0.0 | 11:39 | 7.90 | 12.5L |
| 1500 | ↓ | 6.70 | 1370 | 73 | 1.46 | 0.0 | 11.32 | 7.90 | 15 L |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 6 (<1000), 23 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FEDEX | DATE SHIPPED: 05/14/13 | AIRBILL NUMBER: 1999-8059-91 |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/14/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-19-17 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1510 | DATE: 05/14/13 | SAMPLE | TIME: 1536 | DATE: 05/14/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 9.08 T/ PVC

DEPTH TO BOTTOM 15.59 T/ PVC

WELL VOLUME: 1.05 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 2.6 ☐ LITERS ☒ GALLONS

COLOR: clear ODOR: No

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 7.10 SU CONDUCTIVITY: 697 umhos/cm

ORP: -134 mV DO: 8.43 mg/L

TURBIDITY: 0.0 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.47 °C OTHER: 8 gpm

COLOR: clear ODOR: No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 20 Alk= 78 CO2= 16

| TIME (24 HR) | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1512 | 400 | 7.19 | 690 | -131 | 11.77 | 15.8 | 16.21 | 9.08 | INITIAL |
| 1517 | 400 | 7.09 | 698 | -139 | 9.42 | 10.8 | 14.78 | 9.08 | 2.5L |
| 1522 | 400 | 7.08 | 697 | -136 | 8.79 | 6.4 | 14.55 | 9.08 | 6L |
| 1527 | 400 | 7.07 | 696 | -136 | 8.44 | 1.4 | 14.49 | 9.08 | 8.5L |
| 1532 | 400 | 7.10 | 697 | -134 | 8.43 | 0.0 | 14.47 | 9.08 | 10L |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or </= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/14/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/14/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/15/13 | BY: Sp | DATE: 7/6/13 |

SAMPLE ID: MW-18-16 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 0753 | DATE: 05/15/13 | SAMPLE | TIME: 0948 | DATE: 05/15/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 8.13 T/ PVC

DEPTH TO BOTTOM 15.65 T/ PVC

WELL VOLUME: ____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS

COLOR: Light Brown ODOR: No

TURBIDITY ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER

PH: 7.09 SU CONDUCTIVITY: 1140 umhos/cm

ORP: 135 mV DO: 7.69 mg/L

TURBIDITY: 55.6 NTU

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

TEMPERATURE: 12.01 °C OTHER: By DM

COLOR: Brown ODOR: No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: No

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 0 Alk= 100 CO2= 10

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUM. PURGE VOLUME (GALORL) |
|---|---|---|---|---|---|---|---|---|---|
| 0755 | 400 | 6.04 | 1680 | 223 | 7.43 | 732 | 11.92 | 8.13 | INITIAL |
| 0800 | 400 | 6.46 | 1500 | 198 | 7.41 | 997 | 11.78 | 8.61 | 2L |
| 0805 | 400 | 6.57 | 1430 | 184 | 7.32 | 489 | 11.75 | 8.61 | 4.5L |
| 0810 | 400 | 6.65 | 1410 | 173 | 7.01 | 315 | 11.70 | 8.61 | 6.5L |
| 0815 | 400 | 6.67 | 1380 | 167 | 6.90 | 271 | 11.83 | 8.61 | 9L |
| 0820 | 400 | 6.70 | 1360 | 163 | 7.35 | 174 | 11.86 | 8.63 | 11L |
| 0825 | 400 | 6.79 | 1320 | 158 | 7.54 | 137 | 11.89 | 8.63 | 13.5L |
| 0830 | 400 | 6.81 | 1310 | 156 | 7.55 | 133 | 11.88 | 8.63 | 15L |
| 0835 | 400 | 6.87 | 1290 | 154 | 7.71 | 117 | 11.90 | 8.63 | 17.5L |
| 0840 | 400 | 6.90 | 1270 | 155 | 8.48 | 110 | 11.87 | 8.63 | 19L |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/15/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/15/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM, RA | DATE: 05/15/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-18-16

| TIME | PURGE RATE (ml/min) | pH (SU) | CONDUCTIVITY (mmhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 0845 | 400 | 6.95 | 1260 | 151 | 7.97 | 98.0 | 11.96 | 8.63 | 22 L |
| Cleared Flow Thru Cell | | | | | | | | | 24.5 L |
| 0855 | 400 | 7.06 | 1210 | 92 | 9.50 | 75.2 | 12.00 | 8.63 | 26 L |
| 0900 | 400 | 7.00 | 1230 | 121 | 7.53 | 58.8 | 11.96 | 8.63 | 28.5 L |
| 0905 | 400 | 7.00 | 1210 | 128 | 7.47 | 52 | 11.96 | 8.63 | 30 L |
| 0910 | 400 | 7.00 | 1200 | 130 | 11.35 | 52.9 | 12.12 | 8.63 | 32.5 L |
| 0915 | 400 | 7.06 | 1215 | 137 | 7.82 | 52.6 | 12.13 | 8.63 | 34 L |
| 0920 | 400 | 7.05 | 1180 | 135 | 7.83 | 49.5 | 12.16 | 8.63 | 36.5 L |
| 0925 | 400 | 7.06 | 1120 | 135 | 7.61 | 50.1 | 12.13 | 8.63 | 38 |
| 0930 | 400 | 7.06 | 1116 | 137 | 7.66 | 56.0 | 12.11 | 8.63 | 40.5 |
| 0935 | 400 | 7.07 | 1140 | 135 | 7.69 | 52.1 | 12.08 | 8.63 | 42 L |
| 0940 | 400 | 7.07 | 1140 | 134 | 7.68 | 51.3 | 12.09 | 8.63 | 44.5 L |
| 0945 | 400 | 7.07 | 1140 | 135 | 7.69 | 57.6 | 12.01 | 8.63 | 46 L |

SIGNATURE: [signature]

DATE SIGNED: 05/15/13

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM, RA | DATE: 05/15/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-15-13 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

**PURGING** TIME: 0808 DATE: 05/15/13

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

DEPTH TO WATER: 7.54 T/ PVC

DEPTH TO BOTTOM 15.03 T/ PVC

WELL VOLUME: 1.22 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 8.75 ☐ LITERS ☒ GALLONS

COLOR: Brown ODOR: slight

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER

**SAMPLE** TIME: 0952 DATE: 05/15/13

PH: 6.93 SU CONDUCTIVITY: 880 umhos/cm

ORP: -99 mV DO: 7.32 mg/L

TURBIDITY: 42.1 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.16 °C OTHER: By RA

COLOR: clear/slightly milky ODOR: slight

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: slight

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 10 Alk= 100 CO2= 70

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 0810 | 400 | 6.36 | 640 | 21 | 8.99 | >1000 | 11.13 | 7.64 | INITIAL |
| 0815 | 400 | 6.58 | 634 | 7 | 8.90 | 817 | 11.09 | 7.63 | 4L |
| 0820 | 400 | 6.72 | 652 | -21 | 8.87 | 789 | 11.07 | 7.83 | 6L |
| 0825 | 400 | 6.76 | 692 | -41 | 8.39 | 734 | 11.06 | 7.92 | 8L |
| 0830 | 400 | 6.78 | 703 | -48 | 8.15 | 696 | 11.07 | 7.98 | 9.5L |
| 0835 | 400 | 6.80 | 757 | -64 | 7.69 | 595 | 11.08 | 7.99 | 10.5 |
| 0840 | 400 | 6.82 | 754 | -68 | 7.69 | 569 | 11.10 | 8.04 | 12L |
| 0845 | 400 | 6.85 | 759 | -71 | 7.70 | 520 | 11.10 | 8.07 | 13L |
| 0850 | 400 | 6.84 | 761 | -72 | 7.69 | 505 | 11.10 | 8.10 | 14L |
| 0855 | 400 | 6.87 | 801 | -82 | 7.53 | 310 | 11.08 | 8.15 | 15L |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

**BOTTLES FILLED** PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Thiosulfate

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

| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/15/13 | AIRBILL NUMBER: | 1999-8059-9 |
|---|---|---|---|---|---|
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/15/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM/RA | DATE: 05/15/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-1913

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (mmhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 0900 | 400 | 6.85 | 811 | -84 | 7.54 | 286 | 11.10 | 8.20 | 16.5L |
| 0905 | 400 | 6.87 | 832 | -87 | 7.24 | 217 | 11.12 | 8.23 | 18L |
| 0910 | 400 | 6.89 | 832 | -91 | 7.24 | 142 | 11.12 | 8.25 | 20L |
| 0915 | 400 | 6.90 | 852 | -94 | 7.22 | 119 | 11.13 | 8.28 | 21.5L |
| 0920 | 400 | 6.91 | 853 | -94 | 7.25 | 110 | 11.14 | 8.30 | 23L |
| 0925 | 400 | 6.92 | 862 | -96 | 7.21 | 101 | 11.15 | 8.33 | 24L |
| 0930 | 400 | 6.92 | 864 | -97 | 7.28 | 90.2 | 11.12 | 8.40 | 26L |
| 0935 | 400 | 6.92 | 868 | -98 | 7.32 | 72.3 | 11.13 | 8.45 | 28L |
| 0940 | 400 | 6.93 | 877 | -99 | 7.12 | 59.5 | 11.15 | 8.50 | 30L |
| 0945 | 400 | 6.93 | 878 | -99 | 7.23 | 45.2 | 11.15 | 8.53 | 31.5L |
| 0950 | 400 | 6.93 | 880 | -99 | 7.32 | 42.1 | 11.16 | 8.55 | 33L |

SIGNATURE: [signature]

DATE SIGNED: 09/15/13

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM/RA DATE: 05/ /13 | BY: SP | DATE: 7/1/13 |

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

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

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

| PURGING | | SAMPLE | |
|---|---|---|---|
| TIME: 1057 | DATE: 05/15/13 | TIME: 1143 | DATE: 05/15/13 |
| PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER | | PH: 6.57 SU | CONDUCTIVITY: 1630 umhos/cm |
| | | ORP: 80 mV | DO: 4.32 mg/L |
| DEPTH TO WATER: 7.95 T/ PVC | | TURBIDITY: 6.8 NTU | |
| DEPTH TO BOTTOM: 15.35 T/ PVC | | ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | |
| WELL VOLUME: 1.2 ☐ LITERS ☒ GALLONS | | TEMPERATURE: 11.22 °C | OTHER: By RA |
| VOLUME REMOVED: 4.2 ☐ LITERS ☒ GALLONS | | COLOR: Clear | ODOR: — |
| COLOR: Clear | ODOR: No | FILTRATE (0.45 um) ☑ YES ☐ NO | |
| TURBIDITY | | FILTRATE COLOR: Clear | FILTRATE ODOR: No |
| ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER | | COMMENTS: Fe= 0 | Alk= ~~100~~ 10 CO2= 70 |

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1100 | 400 | 6.70 | 1540 | 86 | 4.82 | 32.3 | 11.03 | 8.03 | INITIAL |
| 1105 | 400 | 6.69 | 1530 | 86 | 5.24 | 22.9 | 11.03 | 8.05 | 2 L |
| 1110 | 400 | 6.62 | 1620 | 70 | 5.55 | 16.8 | 11.16 | 8.09 | 4 L |
| 1115 | 400 | 6.60 | 1630 | 69 | 5.35 | 15.2 | 11.16 | 8.12 | 6 L |
| 1120 | 400 | 6.59 | 1640 | 72 | 5.13 | 13.7 | 11.19 | 8.16 | 8 L |
| 1125 | 400 | 6.58 | 1630 | 76 | 5.02 | 8.4 | 11.18 | 8.24 | 10 L |
| 1130 | 400 | 6.58 | 1630 | 78 | 4.83 | 7.6 | 11.18 | 8.31 | 12 L |
| 1135 | 400 | 6.57 | 1630 | 79 | 4.38 | 6.9 | 11.18 | 8.35 | 14 L |
| 1140 | 400 | 6.57 | 1630 | 80 | 4.32 | 6.8 | 11.22 | 8.39 | 16 L |

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

PH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/19/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | D. Mul | DATE SIGNED: | 05/19/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/15/13 | BY: SP | DATE: 7/1/13 |

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

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

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

| PURGING | TIME: 1053 | DATE: 05/15/13 | SAMPLE | TIME: 1234 | DATE: 05/15/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 6.27 T/ PVC

DEPTH TO BOTTOM 14.86 T/ PVC

WELL VOLUME: 1.4 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 9.25 ☐ LITERS ☒ GALLONS

COLOR: Brown ODOR: No

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER

PH: 7.99 SU CONDUCTIVITY: 1150 umhos/cm

ORP: 86 mV DO: 9.31 mg/L

TURBIDITY: 823 NTU

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

TEMPERATURE: 12.05 °C OTHER: By DM

COLOR: Brown ODOR: No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: No

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 1 Alk= 100 CO2= 11

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1055 | 400 | 7.25 | 1130 | 60 | 11.15 | 419 | 12.04 | 6.22 | INITIAL |
| 1100 | 400 | 7.52 | 1200 | 33 | 11.38 | 485 | 11.34 | 6.85 | 2.5L |
| 1105 | 400 | 7.64 | 1200 | 48 | 10.03 | 505 | 11.29 | 7.33 | 5L |
| 1110 | 400 | 7.74 | 1200 | 63 | 10.01 | 544 | 11.22 | 7.33 | 7L |
| 1115 | 400 | 7.79 | 1200 | 69 | 10.11 | 503 | 11.27 | 7.38 | 9L, 5 |
| 1120 | 400 | 7.80 | 1200 | 67 | 10.13 | 491 | 11.20 | 7.40 | 11L |
| 1125 | 400 | 7.84 | 1190 | 70 | 10.79 | 353 | 11.19 | 7.42 | 13.5L |
| 1130 | 400 | 7.81 | 1190 | 77 | 9.79 | 245 | 11.18 | 7.42 | 15L |
| 1135 | 400 | 7.76 | 1190 | 71 | 9.73 | 166 | 11.22 | 7.42 | 17.5L |
| 1140 | 400 | 7.75 | 1180 | 58 | 9.68 | 102 | 11.23 | 7.46 | 19L |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/15/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | D. Mp | DATE SIGNED: | 05/15/13 |

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TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM RA | DATE: 05/15/13 | BY: SD | DATE: 7/1/13 |

SAMPLE ID: MW-19-IC

| TIME | PURGE RATE (ml/min) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1145 | 400 | 7.74 | 1170 | 54 | 9.61 | 97.4 | 11.26 | 7.46 | 21.5L |
| 1150 | 400 | 7.74 | 1170 | 46 | 9.50 | 65.6 | 11.33 | 7.46 | 23L |
| 1155 | 400 | 7.75 | 1170 | 42 | 9.95 | 58.8 | 11.32 | 7.48 | 25.5L |
| 1200 | 400 | 7.77 | 1170 | 36 | 9.88 | 67.5 | 11.30 | 7.48 | 27 L |
| 1205 | 400 | 7.79 | 1170 | 45 | 9.78 | 21.5 | 11.41 | 7.48 | 29.5 L |
| 1210 | 400 | 7.82 | 1160 | 73 | 9.45 | 33.5 | 11.53 | 7.48 | 31 L |
| 1215 | 400 | 7.85 | 1160 | 80 | 9.33 | 71.2 | 11.51 | 7.50 | 33.5L |
| 1220 | 400 | 7.99 | 1150 | 86 | 9.32 | 81.9 | 12.07 | 7.50 | 35 L |
| 1225 | 400 | 8.00 | 1150 | 87 | 9.32 | 80.1 | 12.01 | 7.50 | 37 L |
| 1230 | 400 | 7.99 | 1150 | 86 | 9.31 | 82.3 | 12.05 | 7.5 | 39L |

SIGNATURE: D. Mp

DATE SIGNED: 05/15/13

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/15/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW 135R WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

**PURGING** TIME: 1241 DATE: 05/15/13

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

DEPTH TO WATER: 8.41 T/ PVC

DEPTH TO BOTTOM 15.98 T/ PVC

WELL VOLUME: 1.24 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 2.6 ☐ LITERS ☒ GALLONS

COLOR: clear ODOR: yes

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER

**SAMPLE** TIME: 1315 DATE: 05/15/13

PH: 6.87 SU CONDUCTIVITY: 1050 umhos/cm

ORP: -104 mV DO: 1.89 mg/L

TURBIDITY: 6.0 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.86°C OTHER: By RA

COLOR: Clear ODOR: yes

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: no

QC SAMPLE: ☐ MS/MSD ☑ DUP- 02

COMMENTS: Fe= 30 Alk= 90 CO2= 50

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1245 | 400 | 6.75 | 1010 | -94 | 2.15 | 8.7 | 11.81 | 8.45 | INITIAL |
| 1250 | 400 | 6.77 | 1030 | -103 | 1.98 | 5.1 | 11.80 | 8.47 | 2L |
| 1255 | 400 | 6.82 | 1030 | -104 | 1.88 | 6.8 | 11.80 | 8.50 | 4L |
| 1300 | 400 | 6.81 | 1030 | -103 | 1.87 | 6.6 | 11.80 | 8.50 | 6L |
| 1305 | 400 | 6.85 | 1050 | -104 | 1.89 | 5.3 | 11.85 | 8.52 | 8L |
| 1310 | 400 | 6.87 | 1050 | -104 | 1.89 | 6.0 | 11.86 | 8.53 | 10L |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/15/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/15/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/15/13 | BY: Sp | DATE: 7/1/13 |

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

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

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

| PURGING | TIME: 1438 | DATE: 05/15/13 | SAMPLE | TIME: 1518 | DATE: 05/15/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 8.19 T/ PVC

DEPTH TO BOTTOM 19.93 T/ PVC

WELL VOLUME: 1.2 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 3 ☐ LITERS ☒ GALLONS

COLOR: clear ODOR: No

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER

PH: 6.71 SU CONDUCTIVITY: 2210 umhos/cm

ORP: -9 mV DO: 2.68 mg/L

TURBIDITY: 5.5 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.44 °C OTHER: ~~RA~~ RA

COLOR: Cloudy ODOR: ~~RA~~ No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: N. FILTRATE ODOR: No

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 3 Alk= 70 CO2= 28

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (Um) (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1440 | 400 | 6.66 | 2380 | 5 | 2.44 | 10.9 | 12.41 | 8.19 | INITIAL |
| 1445 | 400 | 6.67 | 2370 | 4 | 2.41 | 10.2 | 12.49 | 8.25 | 2L |
| 1450 | 400 | 6.67 | 2370 | 3 | 2.42 | 9.9 | 12.50 | 8.27 | 4L |
| 1455 | 400 | 6.68 | 2310 | -4 | 2.49 | 6.7 | 12.49 | 8.30 | ~~RA~~ 6L |
| 1500 | 400 | 6.69 | 2300 | -5 | 2.52 | 7.5 | 12.50 | 8.32 | 8L |
| 1505 | 400 | 6.72 | 2290 | -6 | 2.60 | 6.6 | 12.49 | 8.35 | 10L |
| 1510 | 400 | 6.71 | 2210 | -9 | 2.68 | 5.5 | 12.44 | 8.37 | 12L |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 6 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/15/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | D. Murf | DATE SIGNED: | 05/15/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/ /13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-25R WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1410 | DATE: 05/15/13 | SAMPLE | TIME: 1532 | DATE: 05/15/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☑ PUMP PERISTALTIC PUMP ☐ BAILER

DEPTH TO WATER: 2.41 T/ PVC

DEPTH TO BOTTOM 9.88 T/ PVC

WELL VOLUME: 1.21 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 7.75 ☐ LITERS ☒ GALLONS

COLOR: Black ODOR: No

TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER

PH: 7.28 SU CONDUCTIVITY: 677 umhos/cm

ORP: -142 mV DO: 1.08 mg/L

TURBIDITY: 18.3 NTU

☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.23 °C OTHER: Rx pm

COLOR: Slight Black ODOR: No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: No

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 5 Alk= 125 CO2=25

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALS/L) |
|---|---|---|---|---|---|---|---|---|---|
| 1412 | 400 | 7.59 | 600 | -140 | .98 | 1000+ | 13.77 | 2.41 | INITIAL |
| 1417 | 400 | 7.49 | 610 | -152 | 1.25 | 1000+ | 13.70 | 2.51 | 2.5L |
| 1422 | 400 | 7.44 | 632 | -143 | 1.91 | 752 | 13.71 | 2.60 | 4L |
| 1427 | 400 | 7.35 | 660 | -145 | 1.43 | 635 | 13.73 | 2.65 | 6L |
| 1432 | 400 | 7.33 | 661 | -144 | 1.25 | 1000+ | 13.69 | 2.65 | 7L |
| 1437 | 400 | 7.29 | 667 | -141 | 1.03 | 257 | 13.16 | 2.66 | 8.5L |
| 1442 | 400 | 7.27 | 665 | -140 | 0.84 | 303 | 12.93 | 2.66 | 10L |
| 1447 | 400 | 7.22 | 677 | -140 | 0.82 | 316 | 12.74 | 2.66 | 12.5L |
| 1452 | 400 | 7.21 | 677 | -140 | 0.80 | 120 | 12.80 | 2.66 | 14L |
| 1457 | 400 | 7.17 | 677 | -137 | 0.51 | 99.1 | 12.86 | 3.00 | 16.5L |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/15/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | D. Murp | DATE SIGNED: | 05/15/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM, RA | DATE: 05/15/13 | BY: JP | DATE: 7/1/13 |

SAMPLE ID: MW-25R

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (mmhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1502 | 300 | 7.24 | 673 | -142 | 0.56 | 40.2 | 13.12 | 3.00 | 18.0 L |
| 1507 | 300 | 7.25 | 670 | -142 | 0.58 | 42.1 | 13.17 | 3.00 | 20 L |
| 1512 | 300 | 7.25 | 671 | -142 | 1.05 | 30.1 | 13.19 | 3.00 | 21.5 L |
| 1517 | 300 | 7.26 | 673 | -142 | 1.06 | 33.6 | 13.21 | 3.00 | 22 L |
| 1522 | 300 | 7.26 | 676 | -142 | 1.07 | 33.7 | 13.22 | 3.00 | 24 L |
| 1527 | 300 | 7.27 | 677 | -142 | 1.08 | 18.2 | 13.24 | 3.00 | 26 L |
| 1532 | 300 | 7.28 | 677 | -142 | 1.08 | 18.3 | 13.23 | 3.00 | 28.5 L |

SIGNATURE: [signature]

DATE SIGNED: 05/15/13

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM, RA | DATE: 05/15/13 | BY: Sp | DATE: 7/1/13 |

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

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

SAMPLE TYPE: ☐ GW ☐ WW ☑ ~~SW~~ ☐ DI ☐ LEACHATE ☒ OTHER Rinse Blank

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 1635 | DATE: 05/15/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mV | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: R, DM | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- | |
| DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: MW-19-XX AREA RB | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/15/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 05/15/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA | DATE: 05/16/13 | BY: Sp | DATE: 7/1/13 |

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

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

SAMPLE TYPE: ☐ GW ☐ WW ☒ ~~SW~~ ☐ DI ☐ LEACHATE ☒ OTHER Rinse Blank

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 0740 | DATE: 05/16/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: ____ SU | CONDUCTIVITY: ____ umhos/cm | |
| | | | ORP: ____ mV | DO: ____ mg/L | |
| DEPTH TO WATER: ____ T/ PVC | | | TURBIDITY: ____ NTU | | |
| DEPTH TO BOTTOM: ____ T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ____ ☐ LITERS ☐ GALLONS | | | TEMPERATURE: ____ °C | OTHER: ____ | |
| VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS | | | COLOR: ____ | ODOR: ____ | |
| COLOR: ____ ODOR: ____ | | | FILTRATE (0.45 um) ☐ YES ☑ NO | | |
| TURBIDITY | | | FILTRATE COLOR: ____ | FILTRATE ODOR: ____ | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- ____ | | |
| DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: MW-30 AREA Rinse Blank | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/16/13 | AIRBILL NUMBER: 1999-8591-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Mp | DATE SIGNED: D. Mp |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED BY: | | CHECKED BY: |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/16/13 | BY: Sp | DATE: 7/1/13 |

SAMPLE ID: MW-28S WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 0800 | DATE: 05/16/13 |
|---|---|---|
| PURGE METHOD: | ☑ PUMP BLADDER PUMP (QED) ☐ BAILER | |
| DEPTH TO WATER: 7.25 T/ PVC | | |
| DEPTH TO BOTTOM 14.59 T/ PVC | | |
| WELL VOLUME: 1.2 | ☐ LITERS ☑ GALLONS | |
| VOLUME REMOVED: 4.25 | ☐ LITERS ☑ GALLONS | |
| COLOR: clear | ODOR: No | |
| TURBIDITY | | |
| ☐ NONE ☑ SLIGHT | ☐ MODERATE ☐ VERY | |
| DISPOSAL METHOD ☐ GROUND | ☐ DRUM ☑ OTHER | |

| SAMPLE | TIME: 0847 | DATE: 05/16/13 |
|---|---|---|
| PH: 6.74 SU | CONDUCTIVITY: 921 umhos/cm | |
| ORP: -99 mV | DO: 8.95 mg/L | |
| TURBIDITY: 0.0 NTU | | |
| ☑ NONE | ☐ SLIGHT ☐ MODERATE ☐ VERY | |
| TEMPERATURE: 12.12 °C | OTHER: By: RA | |
| COLOR: clear | ODOR: - | |
| FILTRATE (0.45 um) | ☑ YES ☐ NO | |
| FILTRATE COLOR: clear | FILTRATE ODOR: No | |
| QC SAMPLE: ☐ MS/MSD | ☐ DUP- | |
| COMMENTS: Fe= 20 | Alk= 100 | CO2= 70 |

| TIME | PURGE RATE (ml/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 0805 | 400 | 6.63 | 929 | -98 | 5.36 | 31.5 | 12.23 | 7.30 | INITIAL |
| 0810 | 400 | 6.73 | 935 | -98 | 5.81 | 14.3 | 12.17 | 7.32 | 4L |
| 0815 | 400 | 6.71 | 931 | -99 | 5.96 | 4.8 | 12.12 | 7.35 | 6L |
| 0820 | 400 | 6.73 | 928 | -97 | 6.44 | 2.6 | 12.13 | 7.39 | 8L |
| 0825 | 400 | 6.79 | 924 | -100 | 6.36 | 1.8 | 12.12 | 7.41 | 10L |
| 0830 | 400 | 6.69 | 922 | -99 | 8.96 | 0.0 | 12.12 | 7.43 | 12L |
| 0835 | 400 | 6.76 | 921 | -99 | 8.94 | 0.0 | 12.12 | 7.45 | 14L |
| 0840 | 400 | 6.74 | 921 | -99 | 8.95 | 0.0 | 12.12 | 7.47 | 16L |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- $\frac{5(<1000),20(>1000)}{}$ ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/16/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | D. Mu | DATE SIGNED: | 05/16/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/16/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-28 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 0819 | DATE: 05/16/13 | SAMPLE | TIME: 0910 | DATE: 05/16/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 4.80 T/ PVC

DEPTH TO BOTTOM 22.81 T/ PVC

WELL VOLUME: 2.9 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 5.25 ☐ LITERS ☒ GALLONS

COLOR: Clear ODOR: slight

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER

PH: 7.00 SU CONDUCTIVITY: 730 umhos/cm

ORP: -136 mV DO: 3.12 mg/L

TURBIDITY: 4.4 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.81 °C OTHER: By DM

COLOR: Clear ODOR: slight

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: slight

QC SAMPLE: ☑ MS/MSD ☐ DUP-

COMMENTS: Fe= 12 Alk= 160 CO2= 25

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 0821 | 400 | 6.38 | 821 | -72 | 3.07 | 18.4 | 12.30 | 4.83 | INITIAL |
| 0826 | 400 | 6.78 | 798 | -131 | 3.81 | 6.5 | 11.84 | 4.83 | 2.5L |
| 0831 | 400 | 6.89 | 772 | -136 | 3.85 | 7.8 | 11.77 | 5.12 | 5L |
| 0836 | 400 | 6.94 | 754 | -135 | 3.54 | 10.1 | 11.77 | 5.21 | 7.5L |
| 0841 | 400 | 6.99 | 745 | -135 | 3.47 | 12.4 | 11.81 | 5.21 | 10L |
| 0846 | 400 | 6.98 | 740 | -134 | 3.57 | 14.9 | 11.82 | 5.21 | 12.5L |
| 0851 | 400 | 6.98 | 731 | -135 | 3.14 | 4.7 | 11.84 | 5.21 | 14.5L |
| 0856 | 400 | 6.99 | 731 | -135 | 3.16 | 5.6 | 11.84 | 5.21 | 16L |
| 0901 | 400 | 7.00 | 731 | -135 | 3.11 | 4.1 | 11.82 | 5.21 | 18.5L |
| 0906 | 400 | 7.00 | 730 | -136 | 3.12 | 4.4 | 11.81 | 5.21 | 20L |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 20 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | 1 | 125 mL | PLASTIC | B | ☑ Y ☐ N |
| 2 | 40 mL | VOA | A | ☐ Y ☑ N | 1 | 100 mL | PLASTIC | F | ☐ Y ☑ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | 2 | 60mL | Amber | A | ☐ Y ☒ N |
| 1 | 500mL | PLASTIC | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 1 | 125 mL | PLASTIC | C | ☐ Y ☑ N | | | | | ☐ Y ☐ N |

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/16/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/16/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/16/13 | BY: Sp | DATE: 7/1/13 |

SAMPLE ID: MW-28S WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 0937 | DATE: 05/16/13 | SAMPLE | TIME: 1017 | DATE: 05/16/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 4.51 T/ PVC

DEPTH TO BOTTOM 17.64 T/ PVC

WELL VOLUME: 2.14 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 4.25 ☐ LITERS ☒ GALLONS

COLOR: clear ODOR: yes

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER

PH: 6.99 SU CONDUCTIVITY: 841 umhos/cm

ORP: -138 mV DO: 2.97 mg/L

TURBIDITY: 1.2 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.00 °C OTHER: DYDM

COLOR: clear ODOR: yes

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: yes

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 16 Alk= 150 CO2= 35

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (feet) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 0939 | 400 | 6.93 | 858 | -154 | 2.91 | 121 | 12.51 | 4.51 | INITIAL |
| 0944 | 400 | 6.99 | 856 | -145 | 3.32 | 25.6 | 11.85 | 5.20 | 2.5L |
| 0949 | 400 | 6.99 | 852 | -142 | 3.41 | 15.8 | 11.75 | 5.20 | 5.5L |
| 0954 | 400 | 6.96 | 851 | -141 | 3.17 | 13.0 | 11.84 | 5.21 | 8.5L |
| 0959 | 400 | 6.99 | 847 | -139 | 3.14 | 9.9 | 11.97 | 5.21 | 10.5L |
| 1004 | 400 | 6.99 | 845 | -139 | 2.97 | 8.1 | 11.97 | 5.21 | 12L |
| 1009 | 400 | 6.99 | 842 | -139 | 3.00 | 6.9 | 11.99 | 5.21 | 14.5L |
| 1014 | 400 | 6.99 | 841 | -138 | 2.97 | 1.2 | 12.00 | 5.21 | 16L |
| | | | | | | | | | |
| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/16/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | D. Mp | DATE SIGNED: | 05/16/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: | LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM, RA DATE: 05/16/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-1R WELL DIAMETER: ☐ 2" ☑ 4" ☐ 6" ☐ OTHER

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

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

**PURGING** TIME: 0841 DATE: 05/16/13

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

DEPTH TO WATER: 3.06 T/ PVC

DEPTH TO BOTTOM 20.02 T/ PVC

WELL VOLUME: 11 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 8.65 ☐ LITERS ☒ GALLONS

1.68

6.74

COLOR: clear ODOR: Ms

TURBIDITY

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER

**SAMPLE** TIME: 1013 DATE: 05/16/13

PH: 6.86 SU CONDUCTIVITY: 489 umhos/cm

ORP: -114 mV DO: -3.93 mg/L

TURBIDITY: 29 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.64 °C OTHER: By: RA

COLOR: clear ODOR: Ms

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: M

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe= 20 Alk= 90 CO2= 90

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 0845 | 400 | 7.19 | 455 | -167 | 2.42 | 13.5 | 10.44 | 3.06 | INITIAL |
| 0850 | 400 | 7.16 | 450 | -151 | 2.65 | 15.3 | 10.48 | 3.08 | RA 4L |
| 0855 | 400 | 7.06 | 451 | -144 | 3.10 | 18.4 | 10.56 | 3.08 | 6L |
| 0900 | 400 | 7.09 | 455 | -136 | 3.10 | 22.7 | 10.54 | 3.08 | 8L |
| 0905 | 400 | 7.08 | 455 | -138 | 3.09 | 25.9 | 10.55 | 3.08 | 10L |
| 0910 | 400 | 7.01 | 462 | -128 | 3.88 | 28.9 | 10.57 | 3.08 | 12L |
| 0915 | 400 | 6.98 | 476 | -127 | 3.90 | 28.5 | 10.59 | 3.08 | 14L |
| 0920 | 400 | 6.97 | 481 | -119 | 3.88 | 29.5 | 10.60 | 3.08 | 16L |
| 0925 | 400 | 6.90 | 483 | -118 | 3.90 | 28.7 | 10.62 | 3.08 | 18L |
| 0930 | 400 | 6.89 | 485 | -116 | 3.87 | 29.3 | 10.62 | 3.08 | 20L |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/16/13 | AIRBILL NUMBER: | 1999-8059-9 |
|---|---|---|---|---|---|
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/16/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | LE Carpenter & Co. | PREPARED: | | | CHECKED: | |
|---|---|---|---|---|---|---|
| PROJECT NUMBER: | 199380.000001.000000 | BY: DM, RA | DATE: 05/16/13 | | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-08

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 0935 | 400 | 6.81 | 486 | -115 | -3.89 | 29.7 | 10.63 | 3.08 | 22L |
| 0940 | 400 | 6.86 | 488 | -115 | -3.92 | 28.6 | 10.63 | 3.08 | 24L |
| 0945 | 400 | 6.86 | 489 | -114 | -3.90 | 29.2 | 10.63 | 3.08 | 26L |
| 0950 | 400 | 6.86 | 489 | -114 | -3.92 | 28.5 | 10.64 | 3.08 | 28L |
| 0955 | 400 | 6.86 | 489 | -114 | -3.93 | 28.7 | 10.64 | 3.08 | 30L |
| 1000 | 400 | 6.86 | 489 | -114 | -3.93 | 29.0 | 10.64 | 3.08 | 32L |

SIGNATURE: D. Mu

DATE SIGNED: 05/16/13

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
| PROJECT NUMBER: 199380.000001.000000 | BY: DM, RA DATE: 05/16/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-30SR WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1117 | DATE: 05/16/13 | SAMPLE | TIME: 1143 | DATE: 05/16/13 |
|---|---|---|---|---|---|

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

DEPTH TO WATER: 2.95 T/ PVC

DEPTH TO BOTTOM 12.91 T/ PVC

WELL VOLUME: 1.7 ☐ LITERS ☑ GALLONS

VOLUME REMOVED: 2.75 ☐ LITERS ☑ GALLONS

COLOR: clear ODOR: slight

TURBIDITY ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: 7.11 SU CONDUCTIVITY: 796 umhos/cm

ORP: -153 mV DO: 2.71 mg/L

TURBIDITY: 3.1 NTU

☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.65 °C OTHER: by DM

COLOR: clear ODOR: slight

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clear FILTRATE ODOR: slight

QC SAMPLE: ☐ MS/MSD ☑ DUP- 03

COMMENTS: Fe= 12 Alk= 200 CO2= 50

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | DO (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1119 | 400 | 7.10 | 788 | -146 | 4.24 | 4.5 | 14.53 | 2.64 | INITIAL |
| 1124 | 400 | 7.11 | 790 | -150 | 3.10 | 3.1 | 13.01 | 2.71 | 3.5L |
| 1127 | 400 | 7.16 | 796 | -156 | 2.72 | 3.2 | 12.60 | 2.81 | 6L |
| 1130 | 400 | 7.10 | 796 | -154 | 2.72 | 3.1 | 12.62 | 2.90 | 8.5L |
| 1139 | 400 | 7.11 | 796 | -153 | 2.71 | 3.1 | 12.65 | 3.12 | 10.5L |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | 1 | 125 mL | PLASTIC | B | ☑ Y ☐ N |
| 2 | 40 mL | VOA | A | ☐ Y ☑ N | 1 | 100 mL | PLASTIC | F | ☐ Y ☑ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | 2 | 60 mL | AMBER | A | ☐ Y ☑ N |
| 1 | 500mL | PLASTIC | A | ☐ Y ☑ N | 1 | | | | ☐ Y ☐ N |
| 1 | 125 mL | PLASTIC | C | ☐ Y ☑ N | | | | | ☐ Y ☐ N |

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/16/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/16/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| | | | |
|---|---|---|---|
| PROJECT NAME: LE Carpenter & Co. | CHECKED BY: DM, RA DATE: 05/16/13 | CHECKED BY: SP | DATE: 7/1/13 |
| PROJECT NUMBER: 199380.000001.000000 | | | |

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

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

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

| PURGING | | SAMPLE | |
|---|---|---|---|
| TIME: 1110 | DATE: 05/16/13 | TIME: 1202 | DATE: 05/16/13 |
| PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER | | PH: ~~(2.40)~~ 7.68 | CONDUCTIVITY: 525 umhos/cm |
| | | ORP: -99 mV | DO: 5.98 mg/L |
| DEPTH TO WATER: 2.55 T/ PVC | | TURBIDITY: 2.5 NTU | |
| DEPTH TO BOTTOM NA T/ PVC | | ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | |
| WELL VOLUME: NA ☐ LITERS ☐ GALLONS | | TEMPERATURE: 12.34 °C | OTHER: Oil |
| VOLUME REMOVED: 4.20 ☐ LITERS ☒ GALLONS | | COLOR: Cloudy/silty | ODOR: ~~+~~ No |
| COLOR: Brown | ODOR: No | FILTRATE (0.45 um) ☑ YES | ☐ NO |
| TURBIDITY ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY | | FILTRATE COLOR: clear | FILTRATE ODOR: No |
| | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER | | COMMENTS: Fe= 2 Alk= 90 | CO2= 13 |

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GALORL) |
|---|---|---|---|---|---|---|---|---|---|
| 1115 | 400 | 7.54 | 495 | -76 | 6.20 | 75.1 | 12.27 | 2.55 | INITIAL |
| 1120 | 400 | 7.56 | 513 | -93 | 5.76 | 17.5 | 12.44 | 2.55 | 4L |
| 1125 | 400 | 7.49 | 524 | -96 | 6.23 | 8.5 | 12.59 | 2.56 | 6L |
| 1130 | 400 | 7.56 | 522 | -97 | 6.21 | 8.1 | 12.37 | 2.56 | 8L |
| 1135 | 400 | 7.55 | 521 | -98 | 6.01 | 7.6 | 12.32 | 2.56 | 10L |
| 1140 | 400 | 7.51 | 526 | -98 | 5.39 | 4.1 | 12.60 | 2.56 | 12L |
| 1145 | 400 | 7.54 | 526 | -98 | 5.99 | 3.0 | 12.33 | 2.56 | 14L |
| 1150 | 400 | 7.55 | 525 | -99 | 5.98 | 2.5 | 12.34 | 2.57 | 16L |
| ~~1155~~ | | | | | | | | | |
| ~~1200~~ | | | | | | | | | |

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

pH: +/- 0.1 COND.: +/- 5 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | FEDEX | DATE SHIPPED: | 05/16/13 | AIRBILL NUMBER: | 1999-8059-9 |
| COC NUMBER: | NA | SIGNATURE: | [signature] | DATE SIGNED: | 05/16/13 |

REVISED 06/2011

TRC

# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | CHECKED | |
|---|---|---|---|
| PROJECT NUMBER: 199380.000001.000000 | BY: DM (RA) DATE: 05/16/13 | BY: SP | DATE: 7/1/13 |

SAMPLE ID: MW-301 WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

| PURGING | TIME: 1217 | DATE: 05/16/13 | SAMPLE | TIME: 1244 | DATE: 05/16/13 |
|---|---|---|---|---|---|

PURGE METHOD: ☒ PUMP Bladder ☐ BAILER

DEPTH TO WATER: 2.93 T/ PVC

DEPTH TO BOTTOM: 18.10 T/ PVC

WELL VOLUME: 2.48 ☐ LITERS ☒ GALLONS

VOLUME REMOVED: 2.6 ☐ LITERS ☒ GALLONS

COLOR: Clear ODOR: No

TURBIDITY: ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

PH: 7.29 SU CONDUCTIVITY: 790 umhos/cm

ORP: -170 mV DO: 0.68 mg/L

TURBIDITY: 0.0 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 12.19 °C OTHER: By RA

COLOR: Clear ODOR: No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clear FILTRATE ODOR: No

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Fe: 8 Alk 100 CO2 30

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1220 | 400 | 7.28 | 785 | -144 | 1.20 | 0.0 | 12.43 | 2.73 | INITIAL |
| 1225 | 400 | 7.28 | 793 | -167 | 0.72 | 0.0 | 12.19 | 2.93 | 4L |
| 1230 | 400 | 7.31 | 792 | -165 | 0.70 | 0.0 | 12.20 | 2.93 | 6L |
| 1235 | 400 | 7.29 | 791 | -169 | 0.69 | 0.0 | 12.19 | 2.93 | 8L |
| 1240 | 400 | 7.29 | 790 | -170 | 0.68 | 0.0 | 12.19 | 2.93 | 10L |
| | | | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 6 (<1000), 10 (>1000) ORP: +/- NA D.O.: +/- 0.3 TURB: +/- 10 % or <= 10 TEMP.: +/- 0.5°C

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

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

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/16/13 | AIRBILL NUMBER: 1999-8059-9 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: D. Mung | DATE SIGNED: 05/16/13 |

REVISED 06/2011

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# WATER SAMPLE LOG

| PROJECT NAME: LE Carpenter & Co. | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 199380.000001.000000 | BY: DM RA | DATE: | BY: SP | DATE: 7/1/13 |

SAMPLE ID: ATM-01 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

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

SAMPLE TYPE: ☐ GW ☐ WW ☑ ~~SW~~ ☐ DI ☐ LEACHATE ☑ OTHER Atmosphere Blank

| PURGING | TIME: — | DATE: — | SAMPLE | TIME: 1401 | DATE: 05/16/13 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ____ ☐ BAILER ____ | | PH: ____ SU | CONDUCTIVITY: ____ umhos/cm | |
| | | | ORP: ____ mV | DO: ____ mg/L | |
| DEPTH TO WATER: ____ T/ PVC | | | TURBIDITY: ____ NTU | | |
| DEPTH TO BOTTOM: ____ T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ____ ☐ LITERS ☐ GALLONS | | | TEMPERATURE: ____ °C | OTHER: ____ | |
| VOLUME REMOVED: ____ ☐ LITERS ☐ GALLONS | | | COLOR: ____ | ODOR: ____ | |
| COLOR: ____ ODOR: ____ | | | FILTRATE (0.45 um) ☐ YES | ☑ NO | |
| TURBIDITY | | | FILTRATE COLOR: ____ | FILTRATE ODOR: ____ | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD | ☐ DUP- ____ | |
| DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| 2 | 1 L | AMBER | A | ☐ Y ☑ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |
| | | | | ☐ Y ☐ N | | | | | ☐ Y ☐ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 05/16/13 | AIRBILL NUMBER: 1999-8059-4 |
|---|---|---|
| COC NUMBER: — | SIGNATURE: [signature] | DATE SIGNED: 05/16/13 |

REVISED 06/2011

TRC

# WELL INSPECTION REPORT

| | |
|---|---|
| PROJECT NAME: LE Carpenter & Co. | SAMPLER NAME: Dave Marx, Rachel Adams |
| PROJECT NO.: 199380.000000.000000 | DATE: 05/13/13 |

| WELL ID | PROTECTIVE CASING | SURFACE SEAL | DEGREE OF IMMOBILITY OF PROTECTIVE CASING | PERMANENT LEGIBLE LABELS | LOCK | WELL CAP | EASE OF INSERTING / REMOVING BAILER | SEDIMENT IN WELL | COMMENT |
|---|---|---|---|---|---|---|---|---|---|
| MW-27s | Good | Good | Good | | ✓ | ✓ | — | | |
| MW-19-7R | Cracked ~~SAA~~ | Good | Good | ✓ | ✓ | ✓ | — | | |
| MW-19-8 | No Pad | Bad | Good | No | Broken | ✓ | — | | Bolt Flange, Broken |
| MW-19-12 | Good | Bad | Good | No | ✓ | ✓ | — | | SAA |
| MW-19-17 | Good | Good | Good | ✓ | ✓ | ✓ | — | 2 ft/ft | |
| MW-19-CR | Good | Good | Good | ✓ | ✓ | ✓ | — | | |
| MW-19-15 | Good | Good | Good | No | ✓ | ✓ | — | | |
| ~~MW-19-6~~ | SAA | | | | | | | | |
| MW-19-14 | SAA | | | | | | | | |
| MW-19R | SAA | ~~Bad~~ | ~~SAA~~ | | | | | | Flushed |
| MW-19-B | SAA | Good | SAA | | | | | | |
| MW-19-9R | SAA | Good | Good | ~~No~~ ✓ | ✓ | ✓ | — | — | — |
| GEI-32 | ✓ | ✓ | ✓ | yes | ✓ | ✓ | — | | Broken lights |
| MW-15S | ✓ | ✓ | ✓ | ✓ | No | ~~No Cap~~ Replaced | — | | missing locks |
| MW-15I | ✓ | ✓ | ✓ | ✓ | SAA | SAA | — | | |
| MW-28S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | No Riser | | |
| MW-28I | ✓ | ✓ | ✓ | ✓ | ✓ | — | No Riser | | |
| MW-13S | ✓ | ✓ | ✓ | No | Bad | ✓ | | | |
| MW-12R | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |

SIGNED [signature] DATE 05/13/13 CHECKED BY [signature] DATE 7/1/13

REVISED 06/2011

TRC

# WELL INSPECTION REPORT

| | |
|---|---|
| PROJECT NAME: LE Carpenter & Co. | SAMPLER NAME: Dave Marx, Rachel Adams |
| PROJECT NO.: 199380.000000.000000 | DATE: 05/13/13 |

| WELL ID | PROTECTIVE CASING | SURFACE SEAL | DEGREE OF IMMOBILITY OF PROTECTIVE CASING | PERMANENT LEGIBLE LABELS | LOCK | WELL CAP | EASE OF INSERTING / REMOVING BAILER | SEDIMENT IN WELL | COMMENT |
|---|---|---|---|---|---|---|---|---|---|
| MW-B01 | ✓ | ✓ | ✓ | ✓ | ✓ | Bladder | — | | |
| MW-301 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | | |
| MW-305R | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | | |
| MW-314S | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | | |
| MW-323 | SAT | | | | → | No cap | — | | Cap must fit |
| MW-335 | pad cracked | ✓ | ✓ | ✓ | ✓ | ✓ | — | | |
| MW-315 | Good | Good | ✓ | ✓ | ✓ | ✓ | — | | |
| MW-21 | ↓ | ↓ | ✓ | ✓ | ✓ | ✓ | — | | |
| MW-355 | | | ✓ | ✓ | ✓ | ✓ | — | | |
| MW-293 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | | |
| MW-325R | ✓ | ✓ | well easily shifts | ✓ | ✓ | ✓ | — | at least 1' | |
| | | | | | | | | | |
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SIGNED: [signature] DATE: 05/13/13

CHECKED BY: S Pawlik DATE: 7/1/13

REVISED 08/2011

# CHAIN-OF-CUSTODY RECORD

TRACE the science of compliance

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com



TRACE ID NO.

TRACE USE ONLY

Logged By: Checked By:

Received on Ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC

Contact Person: S. Paulukiewicz

Mailing Address: 2025 East Beltline Ave Ste 402

City, State, Zip Code: Grand Rapids MI 49546

Phone: 616 975 5415 Fax: 616 975 1098

Email Address: SPaulukiewicz@trcsolutions.com

Cell #: Sampled by: DM

Project Name & #: LEC 199380.000000.000000

**Bill To:**

Billing Address (if different) Windsor CT

City, State, Zip Code

Attn: Phone: PO #:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard | ☒ | S = Soil | Wt = Wipes |
| Drinking Water | ☐ | 3-4 Day (RUSH)* | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | 24-48 Hour (RUSH)* | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * Requires prior approval | | Ol = Oil | D = Drinking Water |
| Special | ☐ | | | SO = Solid Waste | SL = Sludge |

ANALYSIS REQUESTED

**Request for Analytical Services**

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | micro DEHP | | | | | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 05/13/13 | 0711 | | SW-D-3 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 0716 | | SW-D-2 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 0720 | | DUP-01 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 0730 | | SW-D-4 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 0738 | | SW-D-1 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 1234 | | DRC-02 | W | 6 | 2 | 2 | 2 | | | | | | | | | |
| | 05/13/13 | 1241 | | SW-D-5 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 1517 | | SW-R-1 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 1523 | | SW-R-2 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 1533 | | SW-R-3 | W | 4 | 2 | 2 | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [illegible] | FedEx | 05/14/13 | 1600 | | 3) | | | |
| | 2) | | | | | 4) | | | |

In execu[illegible] this Chain of Custody, the client acknowledges acceptance of the term[illegible] and conditions of the agreement as set forth at http://www.trace-labs.co[illegible]octerms.php

# CHAIN-OF-CUSTODY RECORD

TRACE the science of compliance

phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com



TRACE NO.

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC

Contact Person: Scott Paluticwicz

Mailing Address: 2025 East Beltline Ave Ste 102

City, State, Zip Code: Grand Rapids MI 49546

Phone: 616 975 5415 Fax: 616 975 1098

Email Address: SPaluticwicz@trcsolutions.com

Cell #: Sampled by:

Project Name & #: LEC 199380.0000.0000

**Bill To:**

Billing Address (if different) Windsor CT

City, State, Zip Code

Attn: Phone: PO #:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard | ☒ | S = Soil | WI = Wipes |
| Drinking Water | ☒ | 3-4 Day (RUSH)* | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | 24-48 Hour (RUSH)* | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * Requires prior approval | | OI = Oil | D = Drinking Water |
| Special | ☐ | | | SO = Solid Waste | SL = Sludge |

ANALYSIS REQUESTED

**Request for Analytical Services**

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | | | | | | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 05/13/13 | 1545 | | SW-R-4 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 1438 | | SW-R-6 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/13/13 | 1451 | | RB-01 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/07/13 | — | | TRIP BLANK | | 2 | 2 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) D. Mc[illegible] | Fed Ex | 05/14/13 | 1800 | | 3) | | | |
| | 2) | | | | | 4) | | | |

In executing this Chain of Custody, the client acknowledges acceptance of the terms and conditions of the agreement as set forth at http://www.trace-labs.com/cocterms.php

# CHAIN-OF-CUSTODY RECORD

TRACE
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toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
www.trace-labs.com



TRACE ID NO.

TRACE USE ONLY
Logged By: Checked By:
Received on Ice: Yes No Preservative Checked: Yes No N/A
Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC
Contact Person: S Paulkiewicz
Mailing Address: 2027 East Beltline
City, State, Zip Code: Grand Rapids MI 49546
Phone: 616 975 5415 Fax: 616 975 1098
Email Address: SPaulkiewicz@trcsolutions.com
Cell #: Sampled by: DM, RA
Project Name & #: LEC 199380.00000.000000

**Bill To:**

Billing Address (if different) Windsor CT
City, State, Zip Code
Attn: Phone: PO #:

Regulatory Requirements: MERA TMDL's ☐ Drinking Water ☐ NPDES ☐ USACE ☐ Special ☐

Turnaround Requirements: Standard ☒ 3-4 Day (RUSH)* ☐ 24-48 Hour (RUSH)* ☐ * Requires prior approval

Matrix Key: S = Soil, W = Water, SE = Sediment, OI = Oil, SO = Solid Waste, WI = Wipes, LW = Liquid Waste, A = Air, D = Drinking Water, SL = Sludge

ANALYSIS REQUESTED

**Request for Analytical Services**

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CH4 | NO3/SO4/TSS/TDS | NH3/P | Dis. Lead | HPC | Micro DEHP | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 05/14/13 | 0801 | Y | MW-35S | W | 12 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | | | | |
| | 05/14/13 | 0815 | Y | MW-34S | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/14/13 | 0921 | Y | MW-31S | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/14/13 | 0943 | Y | MW-32S | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/14/13 | 1013 | Y | MW-33S | W | 12 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | | | | |
| | 05/14/13 | 1134 | Y | MW-27S | W | 12 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | | | | |
| | 05/14/13 | 1315 | Y | MW-19-6R | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/14/13 | 1410 | Y | MW-19-12 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/14/13 | 1505 | Y | MW-19-14 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/14/13 | 1536 | Y | MW-19-17 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [signature] | FedEx | 05/14/13 | 1800 | | 3) | | | |
| | 2) | | | | | 4) | | | |

In execu[illegible] this Chain of Custody, the client acknowledges acceptance of the ter[illegible] and conditions of the agreement as set forth at http://www.trace-labs.co[illegible]octerms.php

10 of 10

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# CHAIN-OF-CUSTODY RECORD

Page 1 of 1

TRACE NO.

TRACE USE ONLY

Logged By: Checked By:

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC

Contact Person: Scott Paulkiewicz

Mailing Address: 2025 East Beltline Ave Ste 402

City, State, Zip Code: Grand Rapids MI 49546

Phone: 616 975 5415 Fax: 616 975 1098

Email Address: SPaulkiewicz@trcsolutions.com

Cell #: Sampled by: DM KA

Project Name & #: LEC 179380.000000.000000

**Bill To:**

Billing Address (if different) Windsor CT

City, State, Zip Code

Attn: Phone: PO #:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard | ☒ | S = Soil | Wi = Wipes |
| Drinking Water | ☐ | 3-4 Day (RUSH)* | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | 24-48 Hour (RUSH)* | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * Requires prior approval | | Oi = Oil | D = Drinking Water |
| Special | ☐ | | | SO = Solid Waste | SL = Sludge |

ANALYSIS REQUESTED

**Request for Analytical Services**

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DETIP | CHL | NO3/SO4/TSS/TDS | NH3/P | Diss Lead | HPC | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 05/15/13 | 0948 | Y | MW-19-15 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/15/13 | 0952 | Y | MW-19-13 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/15/13 | 1143 | Y | MW-19R | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/15/13 | 1234 | Y | MW-19-16 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/15/13 | 1315 | Y | MW-19-5R | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/15/13 | 1323 | Y | DUP-02 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/15/13 | 1518 | Y | MW-19-7R | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/15/13 | 1532 | Y | MW-25R | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 05/15/13 | 1635 | | RB-02 | W | 4 | 2 | 2 | | | | | | | | | | |
| | 05/[illegible]/13 | – | | TRIP BLANK | W | 2 | 2 | | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [signature] | FedEx | 05/19/13 | 1800 | | 3) | | | |
| | 2) | | | | | 4) | | | |

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Page ____ of ____

TRACE ID: T132221

TRACE USE ONLY
Logged By: [illegible] Checked By: BMC
Received on ice: Yes No Preservative Checked: Yes No N/A
Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: TRC
Contact Person: Scott Paulukiewicz
Mailing Address: 2025 East Beltline Ave Ste 402
City, State, Zip Code: Grand Rapids MI 49546
Phone: 616 975 5415 Fax: 616 975 1098
Email Address: SPaulukiewicz@trcsolutions.com
Cell #: Sampled by:
Project Name & #: LEC 199380.0000.0000

**Bill To:**

Billing Address (if different) Windsor CT
City, State, Zip Code
Attn: Phone: PO #:

Regulatory Requirements: MERA TMDL's ☐ Drinking Water ☐ NPDES ☐ USACE ☐ Special ☐

Turnaround Requirements: Standard ☒ 3-4 Day (RUSH)* ☐ 24-48 Hour (RUSH)* ☐ * Requires prior approval

Matrix Key: S = Soil, W = Water, SE = Sediment, OI = Oil, SO = Solid Waste, Wi = Wipes, LW = Liquid Waste, A = Air, D = Drinking Water, SL = Sludge

ANALYSIS REQUESTED

**Request for Analytical Services**

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CH4 | NO3/SO4/TSS/TDS | NH3/P | Diss. Lead | HPC | Micro DEHP | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35 | 05/16/13 | 0740 | | RB-03 | W | 4 | 2 | 2 | | | | | | | | | | |
| 36 | 05/16/13 | 0847 | Y | MW-29S | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| 37 | 05/16/13 | 0910 | Y | MW-28I | W | 12 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | | | | |
| 38 | 05/16/13 | 0912 | Y | MW-28I(MS/MSD) | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| 39 | 05/16/13 | 1013 | Y | MW-08 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| 40 | 05/16/13 | 1017 | Y | MW-28S | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| 41 | 05/16/13 | 1143 | Y | MW-30SR | W | 12 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | | | | |
| 42 | 05/16/13 | 1145 | Y | DUP-03 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| 43 | 05/16/13 | 1202 | Y | MW-30D | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| 44 | 05/16/13 | 1244 | Y | MW-30I | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [illegible] | FedEx | 05/16/13 | 1530 | | 3) | | | |
| | 2) FedEx | [illegible] | 5/17/13 | 10:19 | | 4) | | | |

In exec[illegible]g this Chain of Custody, the client acknowledges acceptance of the terms [illegible] conditions of the agreement as set forth at http://www.trace-labs.com/co[illegible]ms.php

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Page 2 of 2

TRACE I[illegible]: TB221

TRACE USE ONLY
Logged By: [illegible] Checked By: BMC
Received on ice: Yes No Preservative Checked: Yes No N/A
Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**
Client Name: TRC
Contact Person: Scott Paulukiewicz
Mailing Address: 2025 East Beltline AVE Ste 402
City, State, Zip Code: Grand Rapids MI 49546
Phone: 616 975 5415 Fax: 616 975 1098
Email Address: SPaulukiewicz@trcsolutions.com
Cell #: Sampled by:
Project Name & #: LEC 199380.0000.0000

**Bill To:**
Billing Address (if different) Windsor CT
City, State, Zip Code
Attn: Phone: PO #:

Regulatory Requirements: MERA TMDL's ☐ Drinking Water ☐ NPDES ☐ USACE ☐ Special ☐
Turnaround Requirements: Standard ☒ 3-4 Day (RUSH)* ☐ 24-48 Hour (RUSH)* ☐ * Requires prior approval
Matrix Key: S = Soil, W = Water, SE = Sediment, OI = Oil, SO = Solid Waste, Wi = Wipes, LW = Liquid Waste, A = Air, D = Drinking Water, SL = Sludge

**Request for Analytical Services** — ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | | | | | | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/5 | 05/16/13 | 1401 | | ATM-01 | W | 4 | 2 | 2 | | | | | | | | | | |
| 4/6 | 05/17/13 | | | Trip Blank | W | 2 | 2 | | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [illegible] | FedEx | 05/18/13 | 1530 | | 3) | | | |
| | 2) FedEx | [illegible] | 5/21/13 | 10:19 | | 4) | | | |

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# Appendix B
# Laboratory Analytical Reports

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Muskegon, MI 49444-2673
info@trace-labs.com
www.trace-labs.com

March 25, 2011

Mr. Barry Culp
RMT, Inc.
30 Patewood Dr.
Greenville, SC 29680

Phone: (864) 234-9350
Fax: (864) 281-0288

RE: Trace Project T11C162
Client Project LEC / 01545.46.001

Dear Mr. Culp:

Enclosed are your analytical results. The results of this report relate only to the samples listed in the body of this report.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work, however, some results may have raised reporting limits to correct for percent solids.

For clients that require NELAC Accreditation, Trace certifies that these test results meet all requirements of the NELAC Standard, except for those analytes with a "N" notation. These analytes have not been evaluated by NELAC at Trace's discretion and will not be reported unless requested by client.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink
Project Manager

Enclosures

ACCREDITED IN ACCORDANCE WITH nelac

NJDEP Accreditation No. MI008 PADEP Accreditation No. 68-04471

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info@trace-labs.com
www.trace-labs.com

## SAMPLE SUMMARY

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

| Trace ID | Sample ID | Matrix | Collected By | Date Collected | Date Received |
|---|---|---|---|---|---|
| T11C162-01 | DRC-02 | Surface Water | sm/sp | 03/14/11 14:25 | 03/16/11 10:17 |
| T11C162-02 | SW-D-5 | Surface Water | sm/sp | 03/14/11 14:35 | 03/16/11 10:17 |
| T11C162-03 | SW-R-1 | Surface Water | sm/sp | 03/14/11 16:05 | 03/16/11 10:17 |
| T11C162-04 | SW-R-2 | Surface Water | sm/sp | 03/14/11 16:15 | 03/16/11 10:17 |
| T11C162-05 | SW-R-3 | Surface Water | sm/sp | 03/14/11 16:25 | 03/16/11 10:17 |
| T11C162-06 | SW-R-4 | Surface Water | sm/sp | 03/14/11 16:35 | 03/16/11 10:17 |
| T11C162-07 | SW-D-4 | Surface Water | sm/sp | 03/14/11 16:55 | 03/16/11 10:17 |
| T11C162-08 | SW-R-6 | Surface Water | sm/sp | 03/14/11 17:30 | 03/16/11 10:17 |
| T11C162-09 | SW-D-3 | Surface Water | sm/sp | 03/14/11 17:45 | 03/16/11 10:17 |
| T11C162-10 | Dup-01 | Surface Water | sm/sp | 03/14/11 | 03/16/11 10:17 |
| T11C162-11 | MW-19-12 | Ground Water | sm/sp | 03/15/11 09:40 | 03/16/11 10:17 |
| T11C162-12 | MW-19-8 | Ground Water | sm/sp | 03/15/11 10:46 | 03/16/11 10:17 |
| T11C162-13 | MW-19-17 | Ground Water | sm/sp | 03/15/11 11:52 | 03/16/11 10:17 |
| T11C162-14 | MW-19-15 | Ground Water | sm/sp | 03/15/11 13:21 | 03/16/11 10:17 |
| T11C162-15 | MW-19-16 | Ground Water | sm/sp | 03/15/11 15:33 | 03/16/11 10:17 |
| T11C162-16 | MW-29s | Ground Water | sm/sp | 03/15/11 09:24 | 03/16/11 10:17 |
| T11C162-17 | MW-25(R) | Ground Water | sm/sp | 03/15/11 11:44 | 03/16/11 10:17 |
| T11C162-18 | MW-8 | Ground Water | sm/sp | 03/15/11 13:10 | 03/16/11 10:17 |
| T11C162-19 | MW-28i | Ground Water | sm/sp | 03/15/11 14:48 | 03/16/11 10:17 |
| T11C162-20 | MW-28s | Ground Water | sm/sp | 03/15/11 15:53 | 03/16/11 10:17 |
| T11C162-21 | SW-D-2 | Surface Water | sm/sp | 03/15/11 18:00 | 03/16/11 10:17 |
| T11C162-22 | SW-D-1 | Surface Water | sm/sp | 03/15/11 18:10 | 03/16/11 10:17 |
| T11C162-23 | Dup-02 | Ground Water | sm/sp | 03/15/11 | 03/16/11 10:17 |
| T11C162-24 | Trip Blank | Surface Water | sm/sp | 03/15/11 | 03/16/11 10:17 |
| T11C162-25 | MW-27s | Ground Water | sm/sp | 03/16/11 08:10 | 03/17/11 10:47 |
| T11C162-26 | MW-19-7R | Ground Water | sm/sp | 03/16/11 10:20 | 03/17/11 10:47 |
| T11C162-27 | MW-19-6R | Ground Water | sm/sp | 03/16/11 10:24 | 03/17/11 10:47 |
| T11C162-28 | MW-19R | Ground Water | sm/sp | 03/16/11 11:42 | 03/17/11 10:47 |
| T11C162-29 | MW-19-14 | Ground Water | sm/sp | 03/16/11 12:56 | 03/17/11 10:47 |
| T11C162-30 | MW-19-13 | Ground Water | sm/sp | 03/16/11 13:03 | 03/17/11 10:47 |
| T11C162-31 | MW-19-5R | Ground Water | sm/sp | 03/16/11 14:10 | 03/17/11 10:47 |
| T11C162-32 | ATM-01 | Ground Water | sm/sp | 03/16/11 14:28 | 03/16/11 10:17 |
| T11C162-33 | MW-30I | Ground Water | sm/sp | 03/16/11 15:49 | 03/17/11 10:47 |
| T11C162-34 | MW-30D | Ground Water | sm/sp | 03/16/11 16:00 | 03/17/11 10:47 |
| T11C162-35 | MW-30S | Ground Water | sm/sp | 03/16/11 17:09 | 03/17/11 10:45 |
| T11C162-36 | Dup-03 | Ground Water | sm/sp | 03/16/11 | 03/17/11 10:45 |
| T11C162-37 | TB-02 | Ground Water | sm/sp | 03/03/11 | 03/17/11 10:45 |

## CERTIFICATE OF ANALYSIS

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info@trace-labs.com
www.trace-labs.com

| | | | | | |
|---|---|---|---|---|---|
| T11C162-38 | MW-35S | Ground Water | sp | 03/17/11 07:45 | 03/18/11 10:14 |
| T11C162-39 | MW-34S | Ground Water | sp | 03/17/11 08:50 | 03/18/11 10:14 |
| T11C162-40 | MW-32S | Ground Water | sp | 03/17/11 08:20 | 03/18/11 10:14 |
| T11C162-41 | MW-31S | Ground Water | sp | 03/17/11 09:25 | 03/18/11 10:14 |
| T11C162-42 | MW-33S | Ground Water | sp | 03/17/11 09:55 | 03/18/11 10:14 |
| T11C162-43 | RB-01 | Ground Water | sp | 03/17/11 09:30 | 03/18/11 10:14 |
| T11C162-44 | RB-02 | Ground Water | sp | 03/17/11 09:40 | 03/18/11 10:14 |
| T11C162-45 | RB-03 | Ground Water | sp | 03/17/11 09:50 | 03/18/11 10:14 |
| T11C162-46 | TB-03 | Ground Water | sp | 03/03/11 | 03/18/11 10:14 |



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www.trace-labs.com

## AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

### DEFINITIONS

| | |
|---|---|
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| RPD | Relative Percent Difference |
| DUP | Matrix Duplicate |
| RDL | Reporting Detection Limit |
| MCL | Maximum Contamination Limit |
| TIC | Tentatively Identified Compound |
| <, ND or U | Indicates the compound was analyzed for but not detected |
| * | Indicates a result that exceeds its associated MCL or Surrogate control limits |
| N | Indicates that the compound has not been evaluated by NELAC |
| NA | Indicates that the compound is not available. |

## DATA QUALIFIERS

Trace ID: T021919-MSD1

***Analysis: EPA 300.0 Rev. 2.1***

| | |
|---|---|
| **Sulfate as SO4** | Note 222 : The MS and MSD recoveries were out of control. Because the sample background concentration of this analyte is greater than four times the spike amount, no data require qualification. |

Trace ID: T021934-MSD1

***Analysis: EPA 8270C***

| | |
|---|---|
| **Di-n-butyl phthalate** | Note 207 : The RPD between the MS and the MSD was out of control. Because both spike recoveries were in control, no data require qualification. |

Trace ID: T022028-MS1

***Analysis: EPA 8260B***

| | |
|---|---|
| **Toluene** | Note 231 : The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary. |
| **Toluene** | Note 231 : The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary. |

Trace ID: T022028-MSD1

***Analysis: EPA 8260B***

| | |
|---|---|
| **Toluene** | Note 231 : The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary. |
| **Toluene** | Note 231 : The MS and MSD recoveries were out of control. Because the spiked concentration was less than 30% of the sample background concentration, no qualification of data is necessary. |

Trace ID: T11C162-11

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

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Trace ID: T11C162-12

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-13

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-14

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-15

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-16

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-17

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-18

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-19

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-20

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-23



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***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900 : All QC for this batch failed and must be considered estimated. This failure is believed to be a contamination from a previously opened bag of petri plates. All samples exhibited normal growth patterns and were at or below historical data. |

Trace ID: T11C162-36

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900b : The sample does not have the sampling time recorded. Hence the sample may have been set up past hold and may need to be considered an estimate. |

Trace ID: T11C162-38

***Analysis: EPA 8270C***

| | |
|---|---|
| **2-Fluorobiphenyl** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |
| **Nitrobenzene-d5** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |
| **Terphenyl-d14** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |

Trace ID: T11C162-39

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900a : The growth of spreaders exceeded 50% of the plate area, thus preventing an accurate counting of the colonies. The results should be considered estimated. |

Trace ID: T11C162-40

***Analysis: EPA 8270C***

| | |
|---|---|
| **2-Fluorobiphenyl** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |
| **Nitrobenzene-d5** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |
| **Terphenyl-d14** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |

***Analysis: SM9215B***

| | |
|---|---|
| **Heterotrophic Plate Count** | Note 900a : The growth of spreaders exceeded 50% of the plate area, thus preventing an accurate counting of the colonies. The results should be considered estimated. |

Trace ID: T11C162-41

***Analysis: EPA 8270C***

| | |
|---|---|
| **2-Fluorobiphenyl** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |
| **Nitrobenzene-d5** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |
| **Terphenyl-d14** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |

Trace ID: T11C162-42

***Analysis: EPA 8270C***

| | |
|---|---|
| **2-Fluorobiphenyl** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |



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| | |
|---|---|
| **Nitrobenzene-d5** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |
| **Terphenyl-d14** | Note 302 : A dilution of 1:10 or greater was required on this sample. Consequently, surrogate recoveries are not available. |



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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-01 | Date Collected: 03/14/11 14:25 | Matrix: Surface Water
Sample ID: DRC-02 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021923* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 116 | % | 68-133 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene-d8 | 100 | % | 75-120 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 66 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 69 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 86 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-02 | Date Collected: 03/14/11 14:35 | Matrix: Surface Water
Sample ID: SW-D-5 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021923* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 120 | % | 68-133 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene-d8 | 99 | % | 75-120 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 45 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 56 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 60 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-03 | Date Collected: 03/14/11 16:05 | Matrix: Surface Water
Sample ID: SW-R-1 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021923* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 117 | % | 68-133 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 55 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 60 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 79 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-04 | Date Collected: 03/14/11 16:15 | Matrix: Surface Water
Sample ID: SW-R-2 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021923* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 118 | % | 68-133 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene-d8 | 100 | % | 75-120 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 70 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 77 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 88 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-05 | Date Collected: 03/14/11 16:25 | Matrix: Surface Water
Sample ID: SW-R-3 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021923* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 121 | % | 68-133 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene-d8 | 100 | % | 75-120 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 63 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 68 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 80 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-06 | Date Collected: 03/14/11 16:35 | Matrix: Surface Water
Sample ID: SW-R-4 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021923* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 122 | % | 68-133 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 62 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 69 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 85 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-07 | Date Collected: 03/14/11 16:55 | Matrix: Surface Water
Sample ID: SW-D-4 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021923* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **Ethylbenzene** | **2.0** | **ug/L** | **0.50** | **1** | **03/16/11** | **was** | **03/16/11** | **was** | | |
| **m,p-Xylene** | **4.4** | **ug/L** | **1.0** | **1** | **03/16/11** | **was** | **03/16/11** | **was** | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| **Xylenes, total** | **4.4** | **ug/L** | **1.5** | **1** | **03/16/11** | **was** | **03/16/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 124 | % | 68-133 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene-d8 | 99 | % | 75-120 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.98 | ug/L | 0.98 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 54 | % | 36-103 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| 2-Fluorobiphenyl | 62 | % | 36-119 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| Terphenyl-d14 | 79 | % | 37-109 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |



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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-08 | Date Collected: 03/14/11 17:30 | Matrix: Surface Water
Sample ID: SW-R-6 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021923* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 121 | % | 68-133 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene-d8 | 100 | % | 75-120 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 69 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 73 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 88 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-09 | Date Collected: 03/14/11 17:45 | Matrix: Surface Water
Sample ID: SW-D-3 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 125 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 66 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 70 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 87 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |



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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-10 | Date Collected: 03/14/11 | Matrix: Surface Water
Sample ID: Dup-01 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **Ethylbenzene** | **2.1** | **ug/L** | **0.50** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | | |
| **m,p-Xylene** | **4.6** | **ug/L** | **1.0** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| **Xylenes, total** | **4.6** | **ug/L** | **1.5** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 124 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 100 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/19/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 57 | % | 36-103 | 1 | 03/17/11 | kb | 03/19/11 | avl | | |
| 2-Fluorobiphenyl | 64 | % | 36-119 | 1 | 03/17/11 | kb | 03/19/11 | avl | | |
| Terphenyl-d14 | 82 | % | 37-109 | 1 | 03/17/11 | kb | 03/19/11 | avl | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-11 | Date Collected: 03/15/11 09:40 | Matrix: Ground Water
Sample ID: MW-19-12 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 94 | % | 68-133 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene-d8 | 98 | % | 75-120 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 57 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 57 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 70 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/18/11 | ns | 03/21/11 | jlm | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-11 | Date Collected: 03/15/11 09:40 | Matrix: Ground Water
Sample ID: MW-19-12 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| **Nitrate as N** | **1.0** | **mg/L** | **0.075** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| **Sulfate as SO4** | **11** | **mg/L** | **2.5** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.028** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **280** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **14** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **4.0** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-12 | Date Collected: 03/15/11 10:46 | Matrix: Ground Water
Sample ID: MW-19-8 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 95 | % | 68-133 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene-d8 | 98 | % | 75-120 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 55 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 57 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 66 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/18/11 | ns | 03/21/11 | jlm | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-12 | Date Collected: 03/15/11 10:46 | Matrix: Ground Water
Sample ID: MW-19-8 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| **Nitrate as N** | **2.6** | **mg/L** | **0.075** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| **Sulfate as SO4** | **37** | **mg/L** | **2.5** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.026** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **1900** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **4.0** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **40** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **1.2** | **ug/L** | **1.0** | **1** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-13 | Date Collected: 03/15/11 11:52 | Matrix: Ground Water
Sample ID: MW-19-17 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 96 | % | 68-133 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene-d8 | 95 | % | 75-120 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 72 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 71 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 79 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| **Phosphorus** | **0.092** | **mg/L** | **0.050** | **1** | **03/18/11** | **ns** | **03/21/11** | **jlm** | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-13 | Date Collected: 03/15/11 11:52 | Matrix: Ground Water
Sample ID: MW-19-17 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| Nitrate as N | <0.075 | mg/L | 0.075 | 5 | 03/16/11 | bd | 03/16/11 | bd | | |
| **Sulfate as SO4** | **13** | **mg/L** | **2.5** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.91** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **1300** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **14** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **64** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **33** | **ug/L** | **10** | **10** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-14 | Date Collected: 03/15/11 13:21 | Matrix: Ground Water
Sample ID: MW-19-15 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 95 | % | 68-133 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene-d8 | 95 | % | 75-120 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 47 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 52 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 66 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/18/11 | ns | 03/21/11 | jlm | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-14 | Date Collected: 03/15/11 13:21 | Matrix: Ground Water
Sample ID: MW-19-15 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| **Nitrate as N** | **3.4** | **mg/L** | **0.075** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| **Sulfate as SO4** | **54** | **mg/L** | **2.5** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.015** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **1400** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **7.0** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **2200** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-15 | Date Collected: 03/15/11 15:33 | Matrix: Ground Water
Sample ID: MW-19-16 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 95 | % | 68-133 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene-d8 | 97 | % | 75-120 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 66 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 72 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 84 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/18/11 | ns | 03/21/11 | jlm | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-15 | Date Collected: 03/15/11 15:33 | Matrix: Ground Water
Sample ID: MW-19-16 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| **Nitrate as N** | **4.6** | **mg/L** | **0.075** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| **Sulfate as SO4** | **100** | **mg/L** | **2.5** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.012** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **950** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| Total Suspended Solids | <4.0 | mg/L | 4.0 | 1 | 03/16/11 | as | 03/16/11 | as | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **740** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-16 | Date Collected: 03/15/11 09:24 | Matrix: Ground Water
Sample ID: MW-29s | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 126 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 104 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 63 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 66 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 74 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| **Phosphorus** | **0.37** | **mg/L** | **0.050** | **1** | **03/18/11** | **ns** | **03/21/11** | **jlm** | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-16 | Date Collected: 03/15/11 09:24 | Matrix: Ground Water
Sample ID: MW-29s | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| **Nitrate as N** | **0.093** | **mg/L** | **0.075** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| **Sulfate as SO4** | **4.1** | **mg/L** | **2.5** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **4.3** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **540** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **15** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **470** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **1800** | **ug/L** | **100** | **100** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-17 | Date Collected: 03/15/11 11:44 | Matrix: Ground Water
Sample ID: MW-25(R) | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 125 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 102 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 56 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 61 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 75 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/18/11 | ns | 03/21/11 | jlm | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-17 | Date Collected: 03/15/11 11:44 | Matrix: Ground Water
Sample ID: MW-25(R) | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| **Nitrate as N** | **0.090** | **mg/L** | **0.075** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| **Sulfate as SO4** | **15** | **mg/L** | **2.5** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.16** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **420** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **23** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **6400** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **36** | **ug/L** | **1.0** | **1** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-18 | Date Collected: 03/15/11 13:10 | Matrix: Ground Water
Sample ID: MW-8 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 122 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 100 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **3.5** | **ug/L** | **0.95** | **1** | **03/17/11** | **kb** | **03/18/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 57 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 61 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 74 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| **Phosphorus** | **0.18** | **mg/L** | **0.050** | **1** | **03/18/11** | **ns** | **03/21/11** | **jlm** | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-18 | Date Collected: 03/15/11 13:10 | Matrix: Ground Water
Sample ID: MW-8 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| **Nitrate as N** | **0.089** | **mg/L** | **0.075** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| Sulfate as SO4 | <2.5 | mg/L | 2.5 | 5 | 03/16/11 | bd | 03/16/11 | bd | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.35** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **500** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **31** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **57** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **2000** | **ug/L** | **50** | **50** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-19 | Date Collected: 03/15/11 14:48 | Matrix: Ground Water
Sample ID: MW-28i | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 125 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **28** | **ug/L** | **0.95** | **1** | **03/17/11** | **kb** | **03/18/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 66 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 69 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 82 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| **Phosphorus** | **0.29** | **mg/L** | **0.050** | **1** | **03/18/11** | **ns** | **03/21/11** | **jlm** | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-19 | Date Collected: 03/15/11 14:48 | Matrix: Ground Water
Sample ID: MW-28i | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| Nitrate as N | <0.075 | mg/L | 0.075 | 5 | 03/16/11 | bd | 03/16/11 | bd | | |
| **Sulfate as SO4** | **5.8** | **mg/L** | **2.5** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.42** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **430** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **15** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **5.0** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **500** | **ug/L** | **20** | **20** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-20 | Date Collected: 03/15/11 15:53 | Matrix: Ground Water
Sample ID: MW-28s | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **m,p-Xylene** | **6.8** | **ug/L** | **1.0** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| **Xylenes, total** | **6.8** | **ug/L** | **1.5** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 123 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 103 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **51** | **ug/L** | **0.95** | **1** | **03/17/11** | **kb** | **03/21/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 54 | % | 36-103 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| 2-Fluorobiphenyl | 60 | % | 36-119 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| Terphenyl-d14 | 83 | % | 37-109 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| **Phosphorus** | **0.38** | **mg/L** | **0.050** | **1** | **03/18/11** | **ns** | **03/21/11** | **jlm** | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-20 | Date Collected: 03/15/11 15:53 | Matrix: Ground Water
Sample ID: MW-28s | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| Nitrate as N | <0.075 | mg/L | 0.075 | 5 | 03/16/11 | bd | 03/16/11 | bd | | |
| **Sulfate as SO4** | **2.6** | **mg/L** | **2.5** | **5** | **03/16/11** | **bd** | **03/16/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.22** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **370** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **20** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **360** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **1700** | **ug/L** | **50** | **50** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-21 | Date Collected: 03/15/11 18:00 | Matrix: Surface Water
Sample ID: SW-D-2 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021923* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/16/11 | was | 03/16/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 115 | % | 68-133 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| Toluene-d8 | 100 | % | 75-120 | 1 | 03/16/11 | was | 03/16/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021910* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **1.8** | **ug/L** | **0.95** | **1** | **03/17/11** | **kb** | **03/18/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 62 | % | 36-103 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| 2-Fluorobiphenyl | 64 | % | 36-119 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |
| Terphenyl-d14 | 72 | % | 37-109 | 1 | 03/17/11 | kb | 03/18/11 | avl | | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-22 | Date Collected: 03/15/11 18:10 | Matrix: Surface Water
Sample ID: SW-D-1 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 126 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.99 | ug/L | 0.99 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 39 | % | 36-103 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| 2-Fluorobiphenyl | 44 | % | 36-119 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| Terphenyl-d14 | 52 | % | 37-109 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-23 | Date Collected: 03/15/11 | Matrix: Ground Water
Sample ID: Dup-02 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **m,p-Xylene** | **5.8** | **ug/L** | **1.0** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| **Xylenes, total** | **5.8** | **ug/L** | **1.5** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 125 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **52** | **ug/L** | **0.95** | **1** | **03/17/11** | **kb** | **03/21/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 47 | % | 36-103 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| 2-Fluorobiphenyl | 51 | % | 36-119 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| Terphenyl-d14 | 62 | % | 37-109 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| **Phosphorus** | **0.37** | **mg/L** | **0.050** | **1** | **03/18/11** | **ns** | **03/21/11** | **jlm** | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021889* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/16/11 | jd | 03/16/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-23 | Date Collected: 03/15/11 | Matrix: Ground Water
Sample ID: Dup-02 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021899* | | | | | | | | | | |
| Nitrate as N | <0.075 | mg/L | 0.075 | 5 | 03/16/11 | bd | 03/16/11 | bd | | |
| Sulfate as SO4 | <2.5 | mg/L | 2.5 | 5 | 03/16/11 | bd | 03/16/11 | bd | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021908* | | | | | | | | | | |
| **Ammonia as N** | **0.22** | **mg/L** | **0.010** | **1** | **03/17/11** | **sm** | **03/17/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021895* | | | | | | | | | | |
| **Total Dissolved Solids** | **420** | **mg/L** | **10** | **1** | **03/16/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021896* | | | | | | | | | | |
| **Total Suspended Solids** | **15** | **mg/L** | **4.0** | **1** | **03/16/11** | **as** | **03/16/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021888* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **300** | **CFU/ml** | **1.0** | **1** | **03/16/11** | **da** | **03/18/11** | **da** | 900, N | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **1600** | **ug/L** | **50** | **50** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-24 | Date Collected: 03/15/11 | Matrix: Surface Water
Sample ID: Trip Blank | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 128 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 102 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |



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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-25 | Date Collected: 03/16/11 08:10 | Matrix: Ground Water
Sample ID: MW-27s | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 97 | % | 68-133 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene-d8 | 94 | % | 75-120 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 56 | % | 36-103 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| 2-Fluorobiphenyl | 64 | % | 36-119 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| Terphenyl-d14 | 83 | % | 37-109 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/18/11 | ns | 03/21/11 | jlm | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-25 | Date Collected: 03/16/11 08:10 | Matrix: Ground Water
Sample ID: MW-27s | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| **Nitrate as N** | **2.7** | **mg/L** | **0.25** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| **Sulfate as SO4** | **38** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.032** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **500** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| **Total Suspended Solids** | **14** | **mg/L** | **4.0** | **1** | **03/17/11** | **as** | **03/17/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **2000** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-26 | Date Collected: 03/16/11 10:20 | Matrix: Ground Water
Sample ID: MW-19-7R | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| **Benzene** | **11** | **ug/L** | **0.50** | **1** | **03/18/11** | **was** | **03/18/11** | **was** | | |
| **Toluene** | **33000** | **ug/L** | **500** | **1000** | **03/22/11** | **was** | **03/22/11** | **jq** | | |
| **Ethylbenzene** | **1400** | **ug/L** | **50** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **m,p-Xylene** | **4900** | **ug/L** | **100** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **o-Xylene** | **1300** | **ug/L** | **50** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **Xylenes, total** | **6200** | **ug/L** | **150** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 93 | % | 68-133 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| 1,2-Dichloroethane-d4 | 112 | % | 68-133 | 100 | 03/21/11 | was | 03/21/11 | was | | |
| 1,2-Dichloroethane-d4 | 97 | % | 68-133 | 1000 | 03/22/11 | was | 03/22/11 | jq | | |
| Toluene-d8 | 114 | % | 75-120 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene-d8 | 99 | % | 75-120 | 100 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 80 | % | 75-120 | 1000 | 03/22/11 | was | 03/22/11 | jq | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 50 | % | 36-103 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| 2-Fluorobiphenyl | 56 | % | 36-119 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| Terphenyl-d14 | 63 | % | 37-109 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| **Phosphorus** | **0.26** | **mg/L** | **0.050** | **1** | **03/18/11** | **ns** | **03/21/11** | **jlm** | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-26 | Date Collected: 03/16/11 10:20 | Matrix: Ground Water
Sample ID: MW-19-7R | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/17/11 | bd | 03/17/11 | bd | | |
| **Sulfate as SO4** | **16** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.28** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **1300** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| **Total Suspended Solids** | **10** | **mg/L** | **4.0** | **1** | **03/17/11** | **as** | **03/17/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **43** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **3300** | **ug/L** | **100** | **100** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-27 | Date Collected: 03/16/11 10:24 | Matrix: Ground Water
Sample ID: MW-19-6R | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022054* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | jq | 03/18/11 | was | N | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/23/11 | jq | 03/23/11 | was | | |
| **Toluene** | **33** | **ug/L** | **0.50** | **1** | **03/23/11** | **jq** | **03/23/11** | **was** | | |
| **Ethylbenzene** | **8.1** | **ug/L** | **0.50** | **1** | **03/23/11** | **jq** | **03/23/11** | **was** | | |
| **m,p-Xylene** | **32** | **ug/L** | **1.0** | **1** | **03/23/11** | **jq** | **03/23/11** | **was** | N | |
| **o-Xylene** | **5.6** | **ug/L** | **0.50** | **1** | **03/23/11** | **jq** | **03/23/11** | **was** | N | |
| **Xylenes, total** | **38** | **ug/L** | **1.5** | **1** | **03/23/11** | **jq** | **03/23/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 113 | % | 68-133 | 1 | 03/23/11 | jq | 03/23/11 | was | | |
| 1,2-Dichloroethane-d4 | 96 | % | 68-133 | 1 | 03/18/11 | jq | 03/18/11 | was | | |
| Toluene-d8 | 96 | % | 75-120 | 1 | 03/23/11 | jq | 03/23/11 | was | | |
| Toluene-d8 | 97 | % | 75-120 | 1 | 03/18/11 | jq | 03/18/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **1.1** | **ug/L** | **0.95** | **1** | **03/17/11** | **kb** | **03/21/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 60 | % | 36-103 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| 2-Fluorobiphenyl | 67 | % | 36-119 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| Terphenyl-d14 | 84 | % | 37-109 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/18/11 | ns | 03/21/11 | jlm | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-27 | Date Collected: 03/16/11 10:24 | Matrix: Ground Water
Sample ID: MW-19-6R | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| **Nitrate as N** | **0.69** | **mg/L** | **0.25** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| **Sulfate as SO4** | **38** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.028** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **1200** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| **Total Suspended Solids** | **8.0** | **mg/L** | **4.0** | **1** | **03/17/11** | **as** | **03/17/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **260** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **60** | **ug/L** | **1.0** | **1** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-28 | Date Collected: 03/16/11 11:42 | Matrix: Ground Water
Sample ID: MW-19R | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/19/11 | was | N | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/19/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/19/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/19/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/19/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/19/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/18/11 | was | 03/19/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 95 | % | 68-133 | 1 | 03/18/11 | was | 03/19/11 | was | | |
| Toluene-d8 | 96 | % | 75-120 | 1 | 03/18/11 | was | 03/19/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 67 | % | 36-103 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| 2-Fluorobiphenyl | 75 | % | 36-119 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| Terphenyl-d14 | 84 | % | 37-109 | 1 | 03/17/11 | kb | 03/21/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/18/11 | ns | 03/21/11 | jlm | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-28 | Date Collected: 03/16/11 11:42 | Matrix: Ground Water
Sample ID: MW-19R | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| **Nitrate as N** | **3.5** | **mg/L** | **0.25** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| **Sulfate as SO4** | **81** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.044** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **1000** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| Total Suspended Solids | <4.0 | mg/L | 4.0 | 1 | 03/17/11 | as | 03/17/11 | as | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **290** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-29 | Date Collected: 03/16/11 12:56 | Matrix: Ground Water
Sample ID: MW-19-14 | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| **Toluene** | **1.4** | **ug/L** | **0.50** | **1** | **03/18/11** | **was** | **03/18/11** | **was** | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| **m,p-Xylene** | **1.1** | **ug/L** | **1.0** | **1** | **03/18/11** | **was** | **03/18/11** | **was** | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 94 | % | 68-133 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene-d8 | 96 | % | 75-120 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.99 | ug/L | 0.99 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 66 | % | 36-103 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| 2-Fluorobiphenyl | 68 | % | 36-119 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| Terphenyl-d14 | 76 | % | 37-109 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021944* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/18/11 | ns | 03/21/11 | jlm | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-29 | Date Collected: 03/16/11 12:56 | Matrix: Ground Water
Sample ID: MW-19-14 | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| **Nitrate as N** | **3.5** | **mg/L** | **0.25** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| **Sulfate as SO4** | **93** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.037** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **940** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| Total Suspended Solids | <4.0 | mg/L | 4.0 | 1 | 03/17/11 | as | 03/17/11 | as | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **320** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-30 | Date Collected: 03/16/11 13:03 | Matrix: Ground Water
Sample ID: MW-19-13 | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | |
| *Batch: T021972* | | | | | | | | | |
| 1,3-Butadiene | <1.0 ug/L | 1.0 | 1 | 03/18/11 | was | 03/18/11 | was | N | |
| **Benzene** | **2.6 ug/L** | **0.50** | **1** | **03/18/11** | **was** | **03/18/11** | **was** | | |
| **Toluene** | **260 ug/L** | **5.0** | **10** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **Ethylbenzene** | **71 ug/L** | **0.50** | **1** | **03/18/11** | **was** | **03/18/11** | **was** | | |
| **m,p-Xylene** | **290 ug/L** | **1.0** | **1** | **03/18/11** | **was** | **03/18/11** | **was** | N | |
| **o-Xylene** | **45 ug/L** | **0.50** | **1** | **03/18/11** | **was** | **03/18/11** | **was** | N | |
| **Xylenes, total** | **330 ug/L** | **1.5** | **1** | **03/18/11** | **was** | **03/18/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 92 % | 68-133 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| 1,2-Dichloroethane-d4 | 95 % | 68-133 | 10 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 97 % | 75-120 | 1 | 03/18/11 | was | 03/18/11 | was | | |
| Toluene-d8 | 98 % | 75-120 | 10 | 03/21/11 | was | 03/21/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 ug/L | 0.95 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | |
| Nitrobenzene-d5 | 62 % | 36-103 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| 2-Fluorobiphenyl | 66 % | 36-119 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| Terphenyl-d14 | 78 % | 37-109 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | |
| **Phosphorus** | **0.17 mg/L** | **0.050** | **1** | **03/21/11** | **ns** | **03/21/11** | **jlm** | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-30 | Date Collected: 03/16/11 13:03 | Matrix: Ground Water
Sample ID: MW-19-13 | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| **Nitrate as N** | **3.5** | **mg/L** | **0.25** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| **Sulfate as SO4** | **66** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.059** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **470** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| **Total Suspended Solids** | **130** | **mg/L** | **4.0** | **1** | **03/17/11** | **as** | **03/17/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **9000** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **2000** | **ug/L** | **50** | **50** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-31 | Date Collected: 03/16/11 14:10 | Matrix: Ground Water
Sample ID: MW-19-5R | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022053* | | | | | | | | | | |
| 1,3-Butadiene | <1.0 | ug/L | 1.0 | 1 | 03/24/11 | was | 03/24/11 | was | N | |
| **Benzene** | **20** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/22/11** | **was** | | |
| **Toluene** | **92000** | **ug/L** | **250** | **500** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **Ethylbenzene** | **2100** | **ug/L** | **250** | **500** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **m,p-Xylene** | **8600** | **ug/L** | **500** | **500** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **o-Xylene** | **2200** | **ug/L** | **250** | **500** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **Xylenes, total** | **11000** | **ug/L** | **750** | **500** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 115 | % | 68-133 | 1 | 03/21/11 | was | 03/22/11 | was | | |
| 1,2-Dichloroethane-d4 | 117 | % | 68-133 | 500 | 03/21/11 | was | 03/21/11 | was | | |
| 1,2-Dichloroethane-d4 | 87 | % | 68-133 | 1 | 03/24/11 | was | 03/24/11 | was | | |
| Toluene-d8 | 93 | % | 75-120 | 1 | 03/21/11 | was | 03/22/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 500 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 106 | % | 75-120 | 1 | 03/24/11 | was | 03/24/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 67 | % | 36-103 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| 2-Fluorobiphenyl | 68 | % | 36-119 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| Terphenyl-d14 | 72 | % | 37-109 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| **Phosphorus** | **0.071** | **mg/L** | **0.050** | **1** | **03/21/11** | **ns** | **03/21/11** | **jlm** | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-31 | Date Collected: 03/16/11 14:10 | Matrix: Ground Water
Sample ID: MW-19-5R | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| **Nitrate as N** | **0.70** | **mg/L** | **0.25** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| **Sulfate as SO4** | **82** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.32** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **630** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| **Total Suspended Solids** | **9.0** | **mg/L** | **4.0** | **1** | **03/17/11** | **as** | **03/17/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **1100** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **5000** | **ug/L** | **100** | **100** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-32 | Date Collected: 03/16/11 14:28 | Matrix: Ground Water
Sample ID: ATM-01 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 128 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 102 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 70 | % | 36-103 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| 2-Fluorobiphenyl | 72 | % | 36-119 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| Terphenyl-d14 | 79 | % | 37-109 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/21/11 | ns | 03/21/11 | jlm | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 5 | 03/21/11 | ns | 03/21/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-32 | Date Collected: 03/16/11 14:28 | Matrix: Ground Water
Sample ID: ATM-01 | Date Received: 03/16/11 10:17

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/17/11 | bd | 03/17/11 | bd | | |
| Sulfate as SO4 | <2.5 | mg/L | 2.5 | 5 | 03/17/11 | bd | 03/17/11 | bd | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.042** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| Total Dissolved Solids | <10 | mg/L | 10 | 1 | 03/17/11 | as | 03/18/11 | as | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| Total Suspended Solids | <4.0 | mg/L | 4.0 | 1 | 03/17/11 | as | 03/17/11 | as | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| Heterotrophic Plate Count | <1.0 | CFU/ml | 1.0 | 1 | 03/17/11 | da | 03/19/11 | bd | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-33 | Date Collected: 03/16/11 15:49 | Matrix: Ground Water
Sample ID: MW-30I | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 127 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 102 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **2.0** | **ug/L** | **0.95** | **1** | **03/17/11** | **kb** | **03/22/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 56 | % | 36-103 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| 2-Fluorobiphenyl | 60 | % | 36-119 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| Terphenyl-d14 | 64 | % | 37-109 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| **Phosphorus** | **0.30** | **mg/L** | **0.050** | **1** | **03/21/11** | **ns** | **03/21/11** | **jlm** | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-33 | Date Collected: 03/16/11 15:49 | Matrix: Ground Water
Sample ID: MW-30I | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/17/11 | bd | 03/17/11 | bd | | |
| **Sulfate as SO4** | **10** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| Ammonia as N | <0.010 | mg/L | 0.010 | 1 | 03/21/11 | sm | 03/21/11 | sm | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **500** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| **Total Suspended Solids** | **27** | **mg/L** | **4.0** | **1** | **03/17/11** | **as** | **03/17/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **50** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **670** | **ug/L** | **10** | **10** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-34 | Date Collected: 03/16/11 16:00 | Matrix: Ground Water
Sample ID: MW-30D | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 128 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 102 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 54 | % | 36-103 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| 2-Fluorobiphenyl | 57 | % | 36-119 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| Terphenyl-d14 | 70 | % | 37-109 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/21/11 | ns | 03/21/11 | jlm | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-34 | Date Collected: 03/16/11 16:00 | Matrix: Ground Water
Sample ID: MW-30D | Date Received: 03/17/11 10:47

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/17/11 | bd | 03/17/11 | bd | | |
| **Sulfate as SO4** | **14** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.92** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **330** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| **Total Suspended Solids** | **7.0** | **mg/L** | **4.0** | **1** | **03/17/11** | **as** | **03/17/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **250** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **11** | **ug/L** | **1.0** | **1** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-35 | Date Collected: 03/16/11 17:09 | Matrix: Ground Water
Sample ID: MW-30S | Date Received: 03/17/11 10:45

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **Ethylbenzene** | **10** | **ug/L** | **0.50** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | | |
| **m,p-Xylene** | **38** | **ug/L** | **1.0** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | N | |
| **o-Xylene** | **1.4** | **ug/L** | **0.50** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | N | |
| **Xylenes, total** | **39** | **ug/L** | **1.5** | **1** | **03/17/11** | **was** | **03/17/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 129 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **390** | **ug/L** | **9.5** | **10** | **03/17/11** | **kb** | **03/22/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 52 | % | 36-103 | 10 | 03/17/11 | kb | 03/22/11 | avl | | |
| 2-Fluorobiphenyl | 69 | % | 36-119 | 10 | 03/17/11 | kb | 03/22/11 | avl | | |
| Terphenyl-d14 | 77 | % | 37-109 | 10 | 03/17/11 | kb | 03/22/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| **Phosphorus** | **0.26** | **mg/L** | **0.050** | **1** | **03/21/11** | **ns** | **03/21/11** | **jlm** | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-35 | Date Collected: 03/16/11 17:09 | Matrix: Ground Water
Sample ID: MW-30S | Date Received: 03/17/11 10:45

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/17/11 | bd | 03/17/11 | bd | | |
| **Sulfate as SO4** | **5.5** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.038** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **530** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| **Total Suspended Solids** | **42** | **mg/L** | **4.0** | **1** | **03/17/11** | **as** | **03/17/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **1200** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **1600** | **ug/L** | **100** | **100** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-36 | Date Collected: 03/16/11 | Matrix: Ground Water
Sample ID: Dup-03 | Date Received: 03/17/11 10:45

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T021950* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/17/11 | was | 03/17/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 124 | % | 68-133 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 1 | 03/17/11 | was | 03/17/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021934* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 58 | % | 36-103 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| 2-Fluorobiphenyl | 61 | % | 36-119 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| Terphenyl-d14 | 76 | % | 37-109 | 1 | 03/17/11 | kb | 03/22/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/21/11 | ns | 03/21/11 | jlm | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-36 | Date Collected: 03/16/11 | Matrix: Ground Water
Sample ID: Dup-03 | Date Received: 03/17/11 10:45

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021919* | | | | | | | | | | |
| **Nitrate as N** | **3.4** | **mg/L** | **0.25** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| **Sulfate as SO4** | **93** | **mg/L** | **2.5** | **5** | **03/17/11** | **bd** | **03/17/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.042** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021921* | | | | | | | | | | |
| **Total Dissolved Solids** | **920** | **mg/L** | **10** | **1** | **03/17/11** | **as** | **03/18/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021920* | | | | | | | | | | |
| Total Suspended Solids | <4.0 | mg/L | 4.0 | 1 | 03/17/11 | as | 03/17/11 | as | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021917* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **340** | **CFU/ml** | **1.0** | **1** | **03/17/11** | **da** | **03/19/11** | **bd** | 900b | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-37 | Date Collected: 03/03/11 | Matrix: Ground Water
Sample ID: TB-02 | Date Received: 03/17/11 10:45

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022049* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 95 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 99 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-38 | Date Collected: 03/17/11 07:45 | Matrix: Ground Water
Sample ID: MW-35S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022028* | | | | | | | | | | |
| **Benzene** | **5.8** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **Toluene** | **30** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **Ethylbenzene** | **16000** | **ug/L** | **100** | **200** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **m,p-Xylene** | **60000** | **ug/L** | **200** | **200** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **o-Xylene** | **23000** | **ug/L** | **100** | **200** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **Xylenes, total** | **83000** | **ug/L** | **300** | **200** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 112 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| 1,2-Dichloroethane-d4 | 113 | % | 68-133 | 200 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 101 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 99 | % | 75-120 | 200 | 03/21/11 | was | 03/21/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021985* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **570** | **ug/L** | **25** | **25** | **03/22/11** | **kb** | **03/23/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | * | % | 36-103 | 25 | 03/22/11 | kb | 03/23/11 | avl | 302 | |
| 2-Fluorobiphenyl | * | % | 36-119 | 25 | 03/22/11 | kb | 03/23/11 | avl | 302 | |
| Terphenyl-d14 | * | % | 37-109 | 25 | 03/22/11 | kb | 03/23/11 | avl | 302 | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| **Phosphorus** | **0.098** | **mg/L** | **0.050** | **1** | **03/21/11** | **ns** | **03/21/11** | **jlm** | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-38 | Date Collected: 03/17/11 07:45 | Matrix: Ground Water
Sample ID: MW-35S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021947* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/18/11 | bd | 03/18/11 | bd | | |
| **Sulfate as SO4** | **2.7** | **mg/L** | **2.5** | **5** | **03/18/11** | **bd** | **03/18/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.11** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021961* | | | | | | | | | | |
| **Total Dissolved Solids** | **430** | **mg/L** | **10** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021960* | | | | | | | | | | |
| **Total Suspended Solids** | **39** | **mg/L** | **4.0** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021948* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **580** | **CFU/ml** | **1.0** | **1** | **03/18/11** | **da** | **03/20/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **9200** | **ug/L** | **200** | **200** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-39 | Date Collected: 03/17/11 08:50 | Matrix: Ground Water
Sample ID: MW-34S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022028* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| **Ethylbenzene** | **78** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **m,p-Xylene** | **240** | **ug/L** | **1.0** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **o-Xylene** | **42** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **Xylenes, total** | **280** | **ug/L** | **1.5** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 112 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 99 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021985* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **7.7** | **ug/L** | **0.96** | **1** | **03/22/11** | **kb** | **03/23/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 65 | % | 36-103 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| 2-Fluorobiphenyl | 72 | % | 36-119 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| Terphenyl-d14 | 84 | % | 37-109 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/21/11 | ns | 03/21/11 | jlm | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-39 | Date Collected: 03/17/11 08:50 | Matrix: Ground Water
Sample ID: MW-34S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021947* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/18/11 | bd | 03/18/11 | bd | | |
| **Sulfate as SO4** | **65** | **mg/L** | **2.5** | **5** | **03/18/11** | **bd** | **03/18/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.13** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021961* | | | | | | | | | | |
| **Total Dissolved Solids** | **380** | **mg/L** | **10** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021960* | | | | | | | | | | |
| **Total Suspended Solids** | **6.0** | **mg/L** | **4.0** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021948* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **810** | **CFU/ml** | **1.0** | **1** | **03/18/11** | **da** | **03/20/11** | **bd** | 900a | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **270** | **ug/L** | **10** | **10** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-40 | Date Collected: 03/17/11 08:20 | Matrix: Ground Water
Sample ID: MW-32S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022028* | | | | | | | | | | |
| **Benzene** | **3.3** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **Toluene** | **0.55** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **Ethylbenzene** | **3600** | **ug/L** | **50** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **m,p-Xylene** | **11000** | **ug/L** | **100** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **o-Xylene** | **580** | **ug/L** | **50** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **Xylenes, total** | **11000** | **ug/L** | **150** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 115 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| 1,2-Dichloroethane-d4 | 114 | % | 68-133 | 100 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 99 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 100 | % | 75-120 | 100 | 03/21/11 | was | 03/21/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021985* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **2000** | **ug/L** | **50** | **50** | **03/22/11** | **kb** | **03/24/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | * | % | 36-103 | 50 | 03/22/11 | kb | 03/24/11 | avl | 302 | |
| 2-Fluorobiphenyl | * | % | 36-119 | 50 | 03/22/11 | kb | 03/24/11 | avl | 302 | |
| Terphenyl-d14 | * | % | 37-109 | 50 | 03/22/11 | kb | 03/24/11 | avl | 302 | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| **Phosphorus** | **0.17** | **mg/L** | **0.050** | **1** | **03/21/11** | **ns** | **03/21/11** | **jlm** | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-40 | Date Collected: 03/17/11 08:20 | Matrix: Ground Water
Sample ID: MW-32S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021947* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/18/11 | bd | 03/18/11 | bd | | |
| **Sulfate as SO4** | **120** | **mg/L** | **2.5** | **5** | **03/18/11** | **bd** | **03/18/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.35** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021961* | | | | | | | | | | |
| **Total Dissolved Solids** | **710** | **mg/L** | **10** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021960* | | | | | | | | | | |
| **Total Suspended Solids** | **31** | **mg/L** | **4.0** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021948* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **950** | **CFU/ml** | **1.0** | **1** | **03/18/11** | **da** | **03/20/11** | **bd** | 900a | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **8700** | **ug/L** | **200** | **200** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-41 | Date Collected: 03/17/11 09:25 | Matrix: Ground Water
Sample ID: MW-31S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022028* | | | | | | | | | | |
| **Benzene** | **4.3** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **Toluene** | **14** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **Ethylbenzene** | **4700** | **ug/L** | **50** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **m,p-Xylene** | **16000** | **ug/L** | **100** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **o-Xylene** | **4200** | **ug/L** | **50** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **Xylenes, total** | **21000** | **ug/L** | **150** | **100** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 109 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| 1,2-Dichloroethane-d4 | 114 | % | 68-133 | 100 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 100 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 99 | % | 75-120 | 100 | 03/21/11 | was | 03/21/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021985* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **330** | **ug/L** | **25** | **25** | **03/22/11** | **kb** | **03/23/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | * | % | 36-103 | 25 | 03/22/11 | kb | 03/23/11 | avl | 302 | |
| 2-Fluorobiphenyl | * | % | 36-119 | 25 | 03/22/11 | kb | 03/23/11 | avl | 302 | |
| Terphenyl-d14 | * | % | 37-109 | 25 | 03/22/11 | kb | 03/23/11 | avl | 302 | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| **Phosphorus** | **0.21** | **mg/L** | **0.050** | **1** | **03/21/11** | **ns** | **03/21/11** | **jlm** | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-41 | Date Collected: 03/17/11 09:25 | Matrix: Ground Water
Sample ID: MW-31S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021947* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/18/11 | bd | 03/18/11 | bd | | |
| **Sulfate as SO4** | **120** | **mg/L** | **2.5** | **5** | **03/18/11** | **bd** | **03/18/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **9.1** | **mg/L** | **0.10** | **10** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021961* | | | | | | | | | | |
| **Total Dissolved Solids** | **620** | **mg/L** | **10** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021960* | | | | | | | | | | |
| Total Suspended Solids | <4.0 | mg/L | 4.0 | 1 | 03/21/11 | as | 03/21/11 | as | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021948* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **36000** | **CFU/ml** | **1.0** | **1** | **03/18/11** | **da** | **03/20/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **10000** | **ug/L** | **200** | **200** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-42 | Date Collected: 03/17/11 09:55 | Matrix: Ground Water
Sample ID: MW-33S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022049* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| **Ethylbenzene** | **2.5** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| **m,p-Xylene** | **11** | **ug/L** | **1.0** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **o-Xylene** | **3.0** | **ug/L** | **0.50** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | N | |
| **Xylenes, total** | **14** | **ug/L** | **1.5** | **1** | **03/21/11** | **was** | **03/21/11** | **was** | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 95 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 96 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021985* | | | | | | | | | | |
| **Bis(2-ethylhexyl)phthalate** | **280** | **ug/L** | **9.8** | **10** | **03/22/11** | **kb** | **03/24/11** | **avl** | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | * | % | 36-103 | 10 | 03/22/11 | kb | 03/24/11 | avl | 302 | |
| 2-Fluorobiphenyl | * | % | 36-119 | 10 | 03/22/11 | kb | 03/24/11 | avl | 302 | |
| Terphenyl-d14 | * | % | 37-109 | 10 | 03/22/11 | kb | 03/24/11 | avl | 302 | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| **Phosphorus** | **0.080** | **mg/L** | **0.050** | **1** | **03/21/11** | **ns** | **03/21/11** | **jlm** | | |
| **METALS, DISSOLVED** | | | | | | | | | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021916* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 1 | 03/18/11 | jd | 03/21/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-42 | Date Collected: 03/17/11 09:55 | Matrix: Ground Water
Sample ID: MW-33S | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021947* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/18/11 | bd | 03/18/11 | bd | | |
| **Sulfate as SO4** | **120** | **mg/L** | **2.5** | **5** | **03/18/11** | **bd** | **03/18/11** | **bd** | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **1.8** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021961* | | | | | | | | | | |
| **Total Dissolved Solids** | **750** | **mg/L** | **10** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021960* | | | | | | | | | | |
| **Total Suspended Solids** | **23** | **mg/L** | **4.0** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021948* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **21000** | **CFU/ml** | **1.0** | **1** | **03/18/11** | **da** | **03/20/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| **Methane** | **2200** | **ug/L** | **50** | **50** | **03/22/11** | **was** | **03/22/11** | **was** | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-43 | Date Collected: 03/17/11 09:30 | Matrix: Ground Water
Sample ID: RB-01 | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022049* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 80 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 96 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021985* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.95 | ug/L | 0.95 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 49 | % | 36-103 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| 2-Fluorobiphenyl | 53 | % | 36-119 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| Terphenyl-d14 | 59 | % | 37-109 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-44 | Date Collected: 03/17/11 09:40 | Matrix: Ground Water
Sample ID: RB-02 | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022049* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 94 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 98 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021985* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.98 | ug/L | 0.98 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 60 | % | 36-103 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| 2-Fluorobiphenyl | 62 | % | 36-119 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| Terphenyl-d14 | 69 | % | 37-109 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/21/11 | ns | 03/21/11 | jlm | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 5 | 03/21/11 | ns | 03/21/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-44 | Date Collected: 03/17/11 09:40 | Matrix: Ground Water
Sample ID: RB-02 | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021947* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/18/11 | bd | 03/18/11 | bd | | |
| Sulfate as SO4 | <2.5 | mg/L | 2.5 | 5 | 03/18/11 | bd | 03/18/11 | bd | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.045** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021961* | | | | | | | | | | |
| Total Dissolved Solids | <10 | mg/L | 10 | 1 | 03/21/11 | as | 03/21/11 | as | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021960* | | | | | | | | | | |
| Total Suspended Solids | <4.0 | mg/L | 4.0 | 1 | 03/21/11 | as | 03/21/11 | as | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021948* | | | | | | | | | | |
| Heterotrophic Plate Count | <1.0 | CFU/ml | 1.0 | 1 | 03/18/11 | da | 03/20/11 | bd | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-45 | Date Collected: 03/17/11 09:50 | Matrix: Ground Water
Sample ID: RB-03 | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022049* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 95 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 97 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| **SEMI-VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8270C* | | | | | | | | | | |
| *Batch: T021985* | | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | <0.98 | ug/L | 0.98 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| ***Surrogates:*** | | | | | | | | | | |
| Nitrobenzene-d5 | 56 | % | 36-103 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| 2-Fluorobiphenyl | 61 | % | 36-119 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| Terphenyl-d14 | 64 | % | 37-109 | 1 | 03/22/11 | kb | 03/23/11 | avl | | |
| **METALS, TOTAL** | | | | | | | | | | |
| *Analysis Method: EPA 6010B* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| Phosphorus | <0.050 | mg/L | 0.050 | 1 | 03/21/11 | ns | 03/21/11 | jlm | | |
| *Analysis Method: EPA 6020* | | | | | | | | | | |
| *Batch: T021953* | | | | | | | | | | |
| Lead | <0.0030 | mg/L | 0.0030 | 5 | 03/21/11 | ns | 03/21/11 | jd | | |

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# ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-45 | Date Collected: 03/17/11 09:50 | Matrix: Ground Water
Sample ID: RB-03 | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| *Analysis Method: EPA 300.0 Rev. 2.1* | | | | | | | | | | |
| *Batch: T021947* | | | | | | | | | | |
| Nitrate as N | <0.25 | mg/L | 0.25 | 5 | 03/18/11 | bd | 03/18/11 | bd | | |
| Sulfate as SO4 | <2.5 | mg/L | 2.5 | 5 | 03/18/11 | bd | 03/18/11 | bd | | |
| *Analysis Method: EPA 350.1 Rev. 2.0* | | | | | | | | | | |
| *Batch: T021958* | | | | | | | | | | |
| **Ammonia as N** | **0.048** | **mg/L** | **0.010** | **1** | **03/21/11** | **sm** | **03/21/11** | **sm** | | |
| *Analysis Method: SM 2540 C-97* | | | | | | | | | | |
| *Batch: T021961* | | | | | | | | | | |
| Total Dissolved Solids | <10 | mg/L | 10 | 1 | 03/21/11 | as | 03/21/11 | as | | |
| *Analysis Method: SM 2540 D-97* | | | | | | | | | | |
| *Batch: T021960* | | | | | | | | | | |
| **Total Suspended Solids** | **11** | **mg/L** | **4.0** | **1** | **03/21/11** | **as** | **03/21/11** | **as** | | |
| *Analysis Method: SM9215B* | | | | | | | | | | |
| *Batch: T021948* | | | | | | | | | | |
| **Heterotrophic Plate Count** | **5.5** | **CFU/ml** | **1.0** | **1** | **03/18/11** | **da** | **03/20/11** | **bd** | | |
| **VOLATILE ORGANIC COMPOUNDS BY GC** | | | | | | | | | | |
| *Analysis Method: RSK-175(MOD) / ISOTECH* | | | | | | | | | | |
| *Batch: T022046* | | | | | | | | | | |
| Methane | <1.0 | ug/L | 1.0 | 1 | 03/22/11 | was | 03/22/11 | was | N | |

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## ANALYTICAL RESULTS

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

Trace ID: T11C162-46 | Date Collected: 03/03/11 | Matrix: Ground Water
Sample ID: TB-03 | Date Received: 03/18/11 10:14

| PARAMETERS | RESULTS | UNITS | RDL | DILUTION | PREPARED | BY | ANALYZED | BY | NOTES | MCL |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS BY GC-MS** | | | | | | | | | | |
| *Analysis Method: EPA 8260B* | | | | | | | | | | |
| *Batch: T022049* | | | | | | | | | | |
| Benzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Ethylbenzene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| m,p-Xylene | <1.0 | ug/L | 1.0 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| o-Xylene | <0.50 | ug/L | 0.50 | 1 | 03/21/11 | was | 03/21/11 | was | N | |
| Xylenes, total | <1.5 | ug/L | 1.5 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| ***Surrogates:*** | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 95 | % | 68-133 | 1 | 03/21/11 | was | 03/21/11 | was | | |
| Toluene-d8 | 97 | % | 75-120 | 1 | 03/21/11 | was | 03/21/11 | was | | |

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## QUALITY CONTROL RESULTS

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T022046
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples

Analysis Description: Dissolved Gases
Analysis Method: RSK-175(MOD) / ISOTECH

### METHOD BLANK: T022046-BLK1

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Methane | ug/L | <1.0 | 1.0 | |

### METHOD BLANK: T022046-BLK2

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Methane | ug/L | <1.0 | 1.0 | |

### LABORATORY CONTROL SAMPLE: T022046-BS1

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Methane | ug/L | 12.8 | 12.0 | 94 | 70-130 | |

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022046-MSD1

Original: **T11C162-11**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Methane | ug/L | 0.586 | 12.8 | 14.2 | 14.2 | 106 | 106 | 70-130 | 0.3 | 15 | |

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022046-MSD2

Original: **T11C162-28**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Methane | ug/L | 0.467 | 12.8 | 13.6 | 13.1 | 103 | 99 | 70-130 | 4 | 15 | |

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021944
QC Batch Method: EPA 3015 Microwave Assisted Digestions for Liquids

Analysis Description: Phosphorus, Total
Analysis Method: EPA 6010B

### METHOD BLANK: T021944-BLK1

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Phosphorus | mg/L | <0.050 | 0.050 | |

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**LABORATORY CONTROL SAMPLE: T021944-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Phosphorus | mg/L | 8.89 | 7.82 | 88 | 80-120 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021944-MSD1** Original: **T11C162-28**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus | mg/L | 0 | 8.89 | 8.05 | 7.98 | 91 | 90 | 75-125 | 0.9 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021953
QC Batch Method: EPA 3015 Microwave Assisted Digestions for Liquids
Analysis Description: Phosphorus, Total
Analysis Method: EPA 6010B

**METHOD BLANK: T021953-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Phosphorus | mg/L | <0.050 | 0.050 | |

**LABORATORY CONTROL SAMPLE: T021953-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Phosphorus | mg/L | 8.89 | 8.42 | 95 | 80-120 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021953-MSD1** Original: **T11C162-30**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus | mg/L | 0.166 | 8.89 | 8.88 | 8.95 | 98 | 99 | 75-125 | 0.9 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021889
QC Batch Method:
Analysis Description: Lead, Dissolved
Analysis Method: EPA 6020

**METHOD BLANK: T021889-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Lead | mg/L | <0.0030 | 0.0030 | |

**LABORATORY CONTROL SAMPLE: T021889-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Lead | mg/L | 0.250 | 0.253 | 101 | 80-120 | |

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**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021889-MSD1** Original: **T11C162-11**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | mg/L | 0 | 0.250 | 0.253 | 0.257 | 101 | 103 | 75-125 | 2 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021916
QC Batch Method:
Analysis Description: Lead, Dissolved
Analysis Method: EPA 6020

**METHOD BLANK: T021916-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Lead | mg/L | <0.0030 | 0.0030 | |

**LABORATORY CONTROL SAMPLE: T021916-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Lead | mg/L | 0.250 | 0.252 | 101 | 80-120 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021916-MSD1** Original: **T11C162-28**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | mg/L | 0 | 0.250 | 0.284 | 0.282 | 114 | 113 | 75-125 | 1 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021953
QC Batch Method: EPA 3015 Microwave Assisted Digestions for Liquids
Analysis Description: Lead, Total
Analysis Method: EPA 6020

**METHOD BLANK: T021953-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Lead | mg/L | <0.0030 | 0.0030 | |

**LABORATORY CONTROL SAMPLE: T021953-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Lead | mg/L | 0.0556 | 0.0662 | 119 | 80-120 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021953-MSD1** Original: **T11C162-30**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|



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**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021953-MSD1** Original: **T11C162-30**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | mg/L | 0.00765 | 0.0556 | 0.0739 | 0.0758 | 119 | 123 | 75-125 | 3 | 20 | |

Trace Project ID: T11C162

Client Project ID: LEC / 01545.46.001

QC Batch: T021910
QC Batch Method: EPA 3510C Separatory Funnel Liquid-Liquid Extr.

Analysis Description: Semi-volatiles, TCL list
Analysis Method: EPA 8270C

**METHOD BLANK: T021910-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Dimethyl phthalate | ug/L | <2.5 | 2.5 | |
| Diethyl phthalate | ug/L | <2.5 | 2.5 | |
| Di-n-butyl phthalate | ug/L | <2.5 | 2.5 | |
| Butyl benzyl phthalate | ug/L | <2.5 | 2.5 | |
| Bis(2-ethylhexyl)phthalate | ug/L | <1.0 | 1.0 | |
| Di-n-octyl phthalate | ug/L | <2.5 | 2.5 | |
| Dihexyl phthalate | ug/L | <5.0 | 5.0 | |
| Diisononyl phthalate | ug/L | <5.0 | 5.0 | |
| Diisodecyl phthalate | ug/L | <5.0 | 5.0 | |
| Nitrobenzene-d5 (S) | % | 54 | 36-103 | |
| 2-Fluorobiphenyl (S) | % | 60 | 36-119 | |
| Terphenyl-d14 (S) | % | 82 | 37-109 | |

**LABORATORY CONTROL SAMPLE: T021910-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Dimethyl phthalate | ug/L | 100 | 81.7 | 82 | 53-101 | |
| Diethyl phthalate | ug/L | 100 | 78.0 | 78 | 53-106 | |
| Di-n-butyl phthalate | ug/L | 100 | 82.7 | 83 | 54-101 | |
| Butyl benzyl phthalate | ug/L | 100 | 82.4 | 82 | 53-110 | |
| Bis(2-ethylhexyl)phthalate | ug/L | 100 | 82.9 | 83 | 57-107 | |
| Di-n-octyl phthalate | ug/L | 100 | 80.1 | 80 | 54-120 | |
| Nitrobenzene-d5 (S) | % | 100 | 69.5 | 69 | 36-103 | |
| 2-Fluorobiphenyl (S) | % | 100 | 77.7 | 78 | 36-119 | |
| Terphenyl-d14 (S) | % | 100 | 86.0 | 86 | 37-109 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021910-MSD1** Original: **T11C162-21**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dimethyl phthalate | ug/L | 0 | 95.2 | 72.1 | 56.9 | 76 | 60 | 53-97 | 23 | 25 | |
| Diethyl phthalate | ug/L | 0 | 95.2 | 77.0 | 59.6 | 81 | 63 | 49-102 | 25 | 27 | |
| Di-n-butyl phthalate | ug/L | 0.552 | 95.2 | 73.3 | 61.4 | 76 | 64 | 52-99 | 18 | 21 | |
| Butyl benzyl phthalate | ug/L | 0 | 95.2 | 75.6 | 61.2 | 79 | 64 | 52-106 | 21 | 29 | |
| Bis(2-ethylhexyl)phthalate | ug/L | 1.78 | 95.2 | 78.9 | 62.2 | 81 | 63 | 52-106 | 24 | 29 | |

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**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021910-MSD1** Original: **T11C162-21**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | ug/L | 0 | 95.2 | 75.2 | 64.0 | 79 | 67 | 49-119 | 16 | 26 | |
| Nitrobenzene-d5 (S) | % | | 95.2 | 69.3 | 59.8 | 73 | 63 | 36-103 | | | |
| 2-Fluorobiphenyl (S) | % | | 95.2 | 73.5 | 60.7 | 77 | 64 | 36-119 | | | |
| Terphenyl-d14 (S) | % | | 95.2 | 74.6 | 64.5 | 78 | 68 | 37-109 | | | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021934
QC Batch Method: EPA 3510C Separatory Funnel Liquid-Liquid Extr.
Analysis Description: Semi-volatiles, TCL list
Analysis Method: EPA 8270C

**METHOD BLANK: T021934-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Dimethyl phthalate | ug/L | <2.5 | 2.5 | |
| Diethyl phthalate | ug/L | <2.5 | 2.5 | |
| Di-n-butyl phthalate | ug/L | <2.5 | 2.5 | |
| Butyl benzyl phthalate | ug/L | <2.5 | 2.5 | |
| Bis(2-ethylhexyl)phthalate | ug/L | <1.0 | 1.0 | |
| Di-n-octyl phthalate | ug/L | <2.5 | 2.5 | |
| Nitrobenzene-d5 (S) | % | 65 | 36-103 | |
| 2-Fluorobiphenyl (S) | % | 71 | 36-119 | |
| Terphenyl-d14 (S) | % | 82 | 37-109 | |

**LABORATORY CONTROL SAMPLE: T021934-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Dimethyl phthalate | ug/L | 100 | 73.6 | 74 | 53-101 | |
| Diethyl phthalate | ug/L | 100 | 77.7 | 78 | 53-106 | |
| Di-n-butyl phthalate | ug/L | 100 | 80.8 | 81 | 54-101 | |
| Butyl benzyl phthalate | ug/L | 100 | 75.7 | 76 | 53-110 | |
| Bis(2-ethylhexyl)phthalate | ug/L | 100 | 78.5 | 78 | 57-107 | |
| Di-n-octyl phthalate | ug/L | 100 | 78.1 | 78 | 54-120 | |
| Nitrobenzene-d5 (S) | % | 100 | 73.2 | 73 | 36-103 | |
| 2-Fluorobiphenyl (S) | % | 100 | 78.4 | 78 | 36-119 | |
| Terphenyl-d14 (S) | % | 100 | 87.7 | 88 | 37-109 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021934-MSD1** Original: **T11C162-28**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dimethyl phthalate | ug/L | 0 | 101 | 62.5 | 75.6 | 62 | 75 | 53-97 | 19 | 25 | |
| Diethyl phthalate | ug/L | 0 | 101 | 63.9 | 79.7 | 63 | 79 | 49-102 | 22 | 27 | |
| **Di-n-butyl phthalate** | **ug/L** | **0.657** | **101** | **64.6** | **85.7** | **63** | **84** | **52-99** | **28** | **21** | **207** |
| Butyl benzyl phthalate | ug/L | 0 | 101 | 61.1 | 79.4 | 61 | 79 | 52-106 | 26 | 29 | |

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**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021934-MSD1** Original: **T11C162-28**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bis(2-ethylhexyl)phthalate | ug/L | 0.545 | 101 | 64.3 | 82.8 | 63 | 81 | 52-106 | 25 | 29 | |
| Di-n-octyl phthalate | ug/L | 0 | 101 | 64.0 | 82.7 | 63 | 82 | 49-119 | 26 | 26 | |
| Nitrobenzene-d5 (S) | % | | 101 | 52.9 | 64.5 | 52 | 64 | 36-103 | | | |
| 2-Fluorobiphenyl (S) | % | | 101 | 58.6 | 70.4 | 58 | 70 | 36-119 | | | |
| Terphenyl-d14 (S) | % | | 101 | 70.9 | 81.8 | 70 | 81 | 37-109 | | | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021985
QC Batch Method: EPA 3510C Separatory Funnel Liquid-Liquid Extr.
Analysis Description: Semi-volatiles, TCL list
Analysis Method: EPA 8270C

**METHOD BLANK: T021985-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Dimethyl phthalate | ug/L | <2.5 | 2.5 | |
| Diethyl phthalate | ug/L | <2.5 | 2.5 | |
| Di-n-butyl phthalate | ug/L | <2.5 | 2.5 | |
| Butyl benzyl phthalate | ug/L | <2.5 | 2.5 | |
| Bis(2-ethylhexyl)phthalate | ug/L | <1.0 | 1.0 | |
| Di-n-octyl phthalate | ug/L | <2.5 | 2.5 | |
| Dihexyl phthalate | ug/L | <5.0 | 5.0 | |
| Diisononyl phthalate | ug/L | <5.0 | 5.0 | |
| Diisodecyl phthalate | ug/L | <5.0 | 5.0 | |
| Nitrobenzene-d5 (S) | % | 74 | 36-103 | |
| 2-Fluorobiphenyl (S) | % | 74 | 36-119 | |
| Terphenyl-d14 (S) | % | 84 | 37-109 | |

**LABORATORY CONTROL SAMPLE: T021985-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Dimethyl phthalate | ug/L | 100 | 85.1 | 85 | 53-101 | |
| Diethyl phthalate | ug/L | 100 | 87.3 | 87 | 53-106 | |
| Di-n-butyl phthalate | ug/L | 100 | 82.6 | 83 | 54-101 | |
| Butyl benzyl phthalate | ug/L | 100 | 89.5 | 90 | 53-110 | |
| Bis(2-ethylhexyl)phthalate | ug/L | 100 | 93.3 | 93 | 57-107 | |
| Di-n-octyl phthalate | ug/L | 100 | 97.6 | 98 | 54-120 | |
| Nitrobenzene-d5 (S) | % | 100 | 82.8 | 83 | 36-103 | |
| 2-Fluorobiphenyl (S) | % | 100 | 86.3 | 86 | 36-119 | |
| Terphenyl-d14 (S) | % | 100 | 102 | 102 | 37-109 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021923
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

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**METHOD BLANK: T021923-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Methyl-tert-butyl ether | ug/L | <5.0 | 5.0 | |
| Benzene | ug/L | <1.0 | 1.0 | |
| Toluene | ug/L | <1.0 | 1.0 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | |
| m,p-Xylene | ug/L | <2.0 | 2.0 | |
| o-Xylene | ug/L | <1.0 | 1.0 | |
| Xylenes, total | ug/L | <3.0 | 3.0 | |
| 1,2-Dichloroethane-d4 (S) | % | 114 | 68-133 | |
| Toluene-d8 (S) | % | 99 | 75-120 | |

**LABORATORY CONTROL SAMPLE: T021923-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 20.0 | 19.6 | 98 | 80-120 | |
| Toluene | ug/L | 20.0 | 19.2 | 96 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 35.0 | 40.0 | 114 | 68-133 | |
| Toluene-d8 (S) | % | 30.0 | 30.3 | 101 | 75-120 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021923-MSD1** Original: **T11C162-21**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 0 | 20.0 | 18.9 | 17.7 | 94 | 88 | 78-114 | 7 | 11 | |
| Toluene | ug/L | 0 | 20.0 | 19.1 | 18.1 | 96 | 91 | 77-118 | 5 | 10 | |
| 1,2-Dichloroethane-d4 (S) | % | | 35.0 | 39.2 | 40.8 | 112 | 117 | 68-133 | | | |
| Toluene-d8 (S) | % | | 30.0 | 30.3 | 30.9 | 101 | 103 | 75-120 | | | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021950
QC Batch Method: EPA 8260B

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

**METHOD BLANK: T021950-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Methyl-tert-butyl ether | ug/L | <0.50 | 0.50 | |
| Benzene | ug/L | <0.50 | 0.50 | |
| Toluene | ug/L | <0.50 | 0.50 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | |
| m,p-Xylene | ug/L | <1.0 | 1.0 | |
| o-Xylene | ug/L | <0.50 | 0.50 | |
| Xylenes, total | ug/L | <1.5 | 1.5 | |
| 1,2-Dichloroethane-d4 (S) | % | 123 | 68-133 | |
| Toluene-d8 (S) | % | 101 | 75-120 | |

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**LABORATORY CONTROL SAMPLE: T021950-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 20.0 | 17.4 | 87 | 80-120 | |
| Toluene | ug/L | 20.0 | 17.7 | 89 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 35.0 | 42.5 | 121 | 68-133 | |
| Toluene-d8 (S) | % | 30.0 | 31.2 | 104 | 75-120 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021972
QC Batch Method: EPA 8260B
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

**METHOD BLANK: T021972-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Benzene | ug/L | <0.50 | 0.50 | |
| Toluene | ug/L | <0.50 | 0.50 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | |
| m,p-Xylene | ug/L | <1.0 | 1.0 | |
| o-Xylene | ug/L | <0.50 | 0.50 | |
| Xylenes, total | ug/L | <1.5 | 1.5 | |
| 1,2-Dichloroethane-d4 (S) | % | 95 | 68-133 | |
| Toluene-d8 (S) | % | 98 | 75-120 | |

**LABORATORY CONTROL SAMPLE: T021972-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 20.0 | 17.4 | 87 | 80-120 | |
| Toluene | ug/L | 20.0 | 17.9 | 90 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 45.0 | 42.2 | 94 | 68-133 | |
| Toluene-d8 (S) | % | 45.0 | 44.4 | 99 | 75-120 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021972-MSD1** Original: **T11C162-28RE1**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 0 | 400 | 355 | 357 | 89 | 89 | 78-114 | 0.6 | 11 | |
| Toluene | ug/L | 0 | 400 | 431 | 399 | 108 | 100 | 77-118 | 8 | 10 | |
| 1,2-Dichloroethane-d4 (S) | % | | 45.0 | 42.8 | 42.4 | 95 | 94 | 68-133 | | | |
| Toluene-d8 (S) | % | | 45.0 | 43.9 | 43.7 | 98 | 97 | 75-120 | | | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

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QC Batch: T022028
QC Batch Method: EPA 8260B

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

**METHOD BLANK: T022028-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Benzene | ug/L | <0.50 | 0.50 | |
| Toluene | ug/L | <0.50 | 0.50 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | |
| m,p-Xylene | ug/L | <1.0 | 1.0 | |
| o-Xylene | ug/L | <0.50 | 0.50 | |
| Xylenes, total | ug/L | <1.5 | 1.5 | |
| 1,2-Dichloroethane-d4 (S) | % | 113 | 68-133 | |
| Toluene-d8 (S) | % | 99 | 75-120 | |
| Methyl-tert-butyl ether | ug/L | <0.50 | 0.50 | |
| Benzene | ug/L | <0.50 | 0.50 | |
| Toluene | ug/L | <0.50 | 0.50 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | |
| m,p-Xylene | ug/L | <1.0 | 1.0 | |
| o-Xylene | ug/L | <0.50 | 0.50 | |
| Xylenes, total | ug/L | <1.5 | 1.5 | |
| 1,2-Dichloroethane-d4 (S) | % | 113 | 68-133 | |
| Toluene-d8 (S) | % | 99 | 75-120 | |

**LABORATORY CONTROL SAMPLE: T022028-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 20.0 | 20.1 | 100 | 80-120 | |
| Toluene | ug/L | 20.0 | 20.2 | 101 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 35.0 | 39.6 | 113 | 68-133 | |
| Toluene-d8 (S) | % | 30.0 | 30.3 | 101 | 75-120 | |
| Benzene | ug/L | 20.0 | 20.1 | 100 | 80-120 | |
| Toluene | ug/L | 20.0 | 20.2 | 101 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 35.0 | 39.6 | 113 | 68-133 | |
| Toluene-d8 (S) | % | 30.0 | 30.3 | 101 | 75-120 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022028-MSD1** Original: **T11C162-26RE1**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 0 | 2000 | 1900 | 1850 | 95 | 92 | 78-114 | 3 | 11 | |
| **Toluene** | **ug/L** | **39600** | **2000** | **40800** | **39900** | **60** | **13** | **77-118** | **128** | **10** | **231** |
| 1,2-Dichloroethane-d4 (S) | % | | 35.0 | 40.3 | 38.7 | 115 | 111 | 68-133 | | | |
| Toluene-d8 (S) | % | | 30.0 | 30.4 | 30.4 | 101 | 101 | 75-120 | | | |
| Benzene | ug/L | 0 | 2000 | 1900 | 1850 | 95 | 92 | 78-114 | 3 | 11 | |
| **Toluene** | **ug/L** | **39600** | **2000** | **40800** | **39900** | **60** | **13** | **77-118** | **128** | **10** | **231** |
| 1,2-Dichloroethane-d4 (S) | % | | 35.0 | 40.3 | 38.7 | 115 | 111 | 68-133 | | | |

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**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022028-MSD1** Original: **T11C162-26RE1**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene-d8 (S) | % | | 30.0 | 30.4 | 30.4 | 101 | 101 | 75-120 | | | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T022035
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

**METHOD BLANK: T022035-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Benzene | ug/L | <0.50 | 0.50 | |
| Toluene | ug/L | <0.50 | 0.50 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | |
| m,p-Xylene | ug/L | <1.0 | 1.0 | |
| o-Xylene | ug/L | <0.50 | 0.50 | |
| Xylenes, total | ug/L | <1.5 | 1.5 | |
| 1,2-Dichloroethane-d4 (S) | % | 87 | 68-133 | |
| Toluene-d8 (S) | % | 80 | 75-120 | |

**LABORATORY CONTROL SAMPLE: T022035-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 20.0 | 16.8 | 84 | 80-120 | |
| Toluene | ug/L | 20.0 | 16.7 | 83 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 30.0 | 25.7 | 86 | 68-133 | |
| Toluene-d8 (S) | % | 30.0 | 24.1 | 80 | 75-120 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T022049
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

**METHOD BLANK: T022049-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| 1,3-Butadiene | ug/L | <1.0 | 1.0 | |
| Benzene | ug/L | <0.50 | 0.50 | |
| Toluene | ug/L | <0.50 | 0.50 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | |
| m,p-Xylene | ug/L | <1.0 | 1.0 | |
| o-Xylene | ug/L | <0.50 | 0.50 | |
| Xylenes, total | ug/L | <1.5 | 1.5 | |
| 1,2-Dichloroethane-d4 (S) | % | 92 | 68-133 | |
| Toluene-d8 (S) | % | 99 | 75-120 | |

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**METHOD BLANK: T022049-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Methyl-tert-butyl ether | ug/L | <0.50 | 0.50 | |
| Benzene | ug/L | <0.50 | 0.50 | |
| Toluene | ug/L | <0.50 | 0.50 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | |
| m,p-Xylene | ug/L | <1.0 | 1.0 | |
| o-Xylene | ug/L | <0.50 | 0.50 | |
| Xylenes, total | ug/L | <1.5 | 1.5 | |
| 1,2-Dichloroethane-d4 (S) | % | 92 | 68-133 | |
| Toluene-d8 (S) | % | 99 | 75-120 | |

**LABORATORY CONTROL SAMPLE: T022049-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 20.0 | 17.1 | 86 | 80-120 | |
| Toluene | ug/L | 20.0 | 17.4 | 87 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 45.0 | 42.6 | 95 | 68-133 | |
| Toluene-d8 (S) | % | 45.0 | 43.7 | 97 | 75-120 | |
| Benzene | ug/L | 20.0 | 17.1 | 86 | 80-120 | |
| Toluene | ug/L | 20.0 | 17.4 | 87 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 45.0 | 42.6 | 95 | 68-133 | |
| Toluene-d8 (S) | % | 45.0 | 43.7 | 97 | 75-120 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T022049-MSD1** Original: **T11C162-30RE1**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/L | 0 | 200 | 180 | 182 | 90 | 91 | 78-114 | 0.6 | 11 | |
| Toluene | ug/L | 262 | 200 | 460 | 464 | 99 | 101 | 77-118 | 2 | 10 | |
| 1,2-Dichloroethane-d4 (S) | % | | 45.0 | 42.6 | 42.3 | 95 | 94 | 68-133 | | | |
| Toluene-d8 (S) | % | | 45.0 | 43.9 | 43.8 | 98 | 97 | 75-120 | | | |
| Benzene | ug/L | 0 | 200 | 180 | 182 | 90 | 91 | 78-114 | 0.6 | 11 | |
| Toluene | ug/L | 262 | 200 | 460 | 464 | 99 | 101 | 77-118 | 2 | 10 | |
| 1,2-Dichloroethane-d4 (S) | % | | 45.0 | 42.6 | 42.3 | 95 | 94 | 68-133 | | | |
| Toluene-d8 (S) | % | | 45.0 | 43.9 | 43.8 | 98 | 97 | 75-120 | | | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T022052
QC Batch Method: EPA 5030B Purge-and-Trap for Aqueous Samples
Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

**METHOD BLANK: T022052-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|

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**METHOD BLANK: T022052-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Benzene | ug/L | <1.0 | 1.0 | |
| Toluene | ug/L | <1.0 | 1.0 | |
| Ethylbenzene | ug/L | <1.0 | 1.0 | |
| m,p-Xylene | ug/L | <2.0 | 2.0 | |
| o-Xylene | ug/L | <1.0 | 1.0 | |
| Xylenes, total | ug/L | <3.0 | 3.0 | |
| 1,2-Dichloroethane-d4 (S) | % | 111 | 68-133 | |
| Toluene-d8 (S) | % | 98 | 75-120 | |

**LABORATORY CONTROL SAMPLE: T022052-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 20.0 | 19.6 | 98 | 80-120 | |
| Toluene | ug/L | 20.0 | 19.8 | 99 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 35.0 | 38.8 | 111 | 68-133 | |
| Toluene-d8 (S) | % | 30.0 | 30.0 | 100 | 75-120 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T022053
QC Batch Method: EPA 8260B

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

**METHOD BLANK: T022053-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| 1,3-Butadiene | ug/L | <1.0 | 1.0 | |
| Benzene | ug/L | <0.50 | 0.50 | |
| Toluene | ug/L | <0.50 | 0.50 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | |
| m,p-Xylene | ug/L | <1.0 | 1.0 | |
| o-Xylene | ug/L | <0.50 | 0.50 | |
| Xylenes, total | ug/L | <1.5 | 1.5 | |
| 1,2-Dichloroethane-d4 (S) | % | 88 | 68-133 | |
| Toluene-d8 (S) | % | 99 | 75-120 | |

**LABORATORY CONTROL SAMPLE: T022053-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 20.0 | 16.8 | 84 | 80-120 | |
| Toluene | ug/L | 20.0 | 17.5 | 88 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 45.0 | 39.9 | 89 | 68-133 | |
| Toluene-d8 (S) | % | 45.0 | 44.1 | 98 | 75-120 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

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QC Batch: T022054
QC Batch Method: EPA 8260B

Analysis Description: Volatiles, BTEX/MTBE (GC/MS)
Analysis Method: EPA 8260B

**METHOD BLANK: T022054-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| 1,3-Butadiene | ug/L | <1.0 | 1.0 | |
| Benzene | ug/L | <0.50 | 0.50 | |
| Toluene | ug/L | <0.50 | 0.50 | |
| Ethylbenzene | ug/L | <0.50 | 0.50 | |
| m,p-Xylene | ug/L | <1.0 | 1.0 | |
| o-Xylene | ug/L | <0.50 | 0.50 | |
| Xylenes, total | ug/L | <1.5 | 1.5 | |
| 1,2-Dichloroethane-d4 (S) | % | 95 | 68-133 | |
| Toluene-d8 (S) | % | 98 | 75-120 | |

**LABORATORY CONTROL SAMPLE: T022054-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 20.0 | 17.4 | 87 | 80-120 | |
| Toluene | ug/L | 20.0 | 17.9 | 90 | 80-120 | |
| 1,2-Dichloroethane-d4 (S) | % | 45.0 | 42.2 | 94 | 68-133 | |
| Toluene-d8 (S) | % | 45.0 | 44.4 | 99 | 75-120 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021899
QC Batch Method: IC Prep W

Analysis Description: Nitrate
Analysis Method: EPA 300.0 Rev. 2.1

**METHOD BLANK: T021899-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Nitrate as N | mg/L | <0.050 | 0.050 | |
| Sulfate as SO4 | mg/L | <0.50 | 0.50 | |

**LABORATORY CONTROL SAMPLE: T021899-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Nitrate as N | mg/L | 0.500 | 0.451 | 90 | 90-110 | |
| Sulfate as SO4 | mg/L | 2.50 | 2.47 | 99 | 90-110 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021899-MSD1** Original: **T11C162-11**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | mg/L | 1.04 | 6.00 | 6.76 | 6.77 | 95 | 95 | 80-120 | 0.2 | 20 | |

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www.trace-labs.com

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021899-MSD1** Original: **T11C162-11**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate as SO4 | mg/L | 10.5 | 30.0 | 38.2 | 38.9 | 92 | 95 | 80-120 | 3 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021919
QC Batch Method: IC Prep W
Analysis Description: Nitrate
Analysis Method: EPA 300.0 Rev. 2.1

**METHOD BLANK: T021919-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Nitrate as N | mg/L | <0.050 | 0.050 | |
| Sulfate as SO4 | mg/L | <0.50 | 0.50 | |

**LABORATORY CONTROL SAMPLE: T021919-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Nitrate as N | mg/L | 0.500 | 0.502 | 100 | 90-110 | |
| Sulfate as SO4 | mg/L | 2.50 | 2.34 | 94 | 90-110 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021919-MSD1** Original: **T11C162-28**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | mg/L | 3.50 | 6.00 | 9.31 | 9.50 | 97 | 100 | 80-120 | 3 | 20 | |
| **Sulfate as SO4** | **mg/L** | **80.6** | **30.0** | **130** | **130** | **166** | **165** | **80-120** | **0.8** | **20** | **222** |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021947
QC Batch Method: IC Prep W
Analysis Description: Nitrate
Analysis Method: EPA 300.0 Rev. 2.1

**METHOD BLANK: T021947-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Nitrate as N | mg/L | <0.050 | 0.050 | |
| Sulfate as SO4 | mg/L | <0.50 | 0.50 | |

**LABORATORY CONTROL SAMPLE: T021947-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Nitrate as N | mg/L | 0.500 | 0.492 | 98 | 90-110 | |
| Sulfate as SO4 | mg/L | 2.50 | 2.38 | 95 | 90-110 | |

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**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021947-MSD1** Original: **T11C162-44**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | mg/L | 0 | 1.20 | 1.01 | 1.02 | 84 | 85 | 80-120 | 0.5 | 20 | |
| Sulfate as SO4 | mg/L | 0 | 6.00 | 4.92 | 5.18 | 82 | 86 | 80-120 | 5 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021908
QC Batch Method: EPA 350.1 Rev. 2.0
Analysis Description: Nitrogen, Ammonia
Analysis Method: EPA 350.1 Rev. 2.0

**METHOD BLANK: T021908-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Ammonia as N | mg/L | <0.010 | 0.010 | |

**LABORATORY CONTROL SAMPLE: T021908-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Ammonia as N | mg/L | 1.00 | 0.992 | 99 | 90-110 | |

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021908-MSD1** Original: **T11C162-11**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia as N | mg/L | 0.0284 | 1.00 | 0.962 | 0.964 | 93 | 94 | 90-110 | 0.2 | 7.9 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021958
QC Batch Method: EPA 350.1 Rev. 2.0
Analysis Description: Nitrogen, Ammonia
Analysis Method: EPA 350.1 Rev. 2.0

**METHOD BLANK: T021958-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Ammonia as N | mg/L | <0.010 | 0.010 | |

**LABORATORY CONTROL SAMPLE: T021958-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Ammonia as N | mg/L | 1.00 | 0.989 | 99 | 90-110 | |

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**MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T021958-MSD1** Original: **T11C162-28**

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia as N | mg/L | 0.0438 | 1.00 | 0.984 | 0.961 | 94 | 92 | 90-110 | 2 | 7.9 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021895
QC Batch Method: SM 2540 C-97
Analysis Description: Total Dissolved Solids
Analysis Method: SM 2540 C-97

**METHOD BLANK: T021895-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Total Dissolved Solids | mg/L | <10 | 10 | |

**SAMPLE DUPLICATE: T021895-DUP1** Original: **T11C162-11**

| Parameter | Units | Original Result | DUP Result | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 283 | 283 | 0 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021921
QC Batch Method: SM 2540 C-97
Analysis Description: Total Dissolved Solids
Analysis Method: SM 2540 C-97

**METHOD BLANK: T021921-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Total Dissolved Solids | mg/L | <10 | 10 | |

**SAMPLE DUPLICATE: T021921-DUP1** Original: **T11C162-28**

| Parameter | Units | Original Result | DUP Result | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 1010 | 1020 | 0.6 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021961
QC Batch Method: SM 2540 C-97
Analysis Description: Total Dissolved Solids
Analysis Method: SM 2540 C-97

**METHOD BLANK: T021961-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Total Dissolved Solids | mg/L | <10 | 10 | |



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**SAMPLE DUPLICATE: T021961-DUP1** Original: **T11C162-38**

| Parameter | Units | Original Result | DUP Result | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 426 | 423 | 0.7 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021896
QC Batch Method: SM 2540 D-97
Analysis Description: Total Suspended Solids
Analysis Method: SM 2540 D-97

**METHOD BLANK: T021896-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Total Suspended Solids | mg/L | <10 | 10 | |

**LABORATORY CONTROL SAMPLE: T021896-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Total Suspended Solids | mg/L | 50.0 | 49.0 | 98 | 85-115 | |

**SAMPLE DUPLICATE: T021896-DUP1** Original: **T11C162-11**

| Parameter | Units | Original Result | DUP Result | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|
| Total Suspended Solids | mg/L | 14.0 | 14.0 | 0 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021920
QC Batch Method: SM 2540 D-97
Analysis Description: Total Suspended Solids
Analysis Method: SM 2540 D-97

**METHOD BLANK: T021920-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Total Suspended Solids | mg/L | <10 | 10 | |

**LABORATORY CONTROL SAMPLE: T021920-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Total Suspended Solids | mg/L | 50.0 | 48.0 | 96 | 85-115 | |

**SAMPLE DUPLICATE: T021920-DUP1** Original: **T11C162-28**

| Parameter | Units | Original Result | DUP Result | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|
| Total Suspended Solids | mg/L | 2.00 | 2.00 | 0 | 20 | |

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Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021960
QC Batch Method: SM 2540 D-97
Analysis Description: Total Suspended Solids
Analysis Method: SM 2540 D-97

**METHOD BLANK: T021960-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Total Suspended Solids | mg/L | <10 | 10 | |

**LABORATORY CONTROL SAMPLE: T021960-BS1**

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limit | Notes |
|---|---|---|---|---|---|---|
| Total Suspended Solids | mg/L | 50.0 | 50.0 | 100 | 85-115 | |

**SAMPLE DUPLICATE: T021960-DUP1** Original: **T11C162-38**

| Parameter | Units | Original Result | DUP Result | RPD | Max RPD | Notes |
|---|---|---|---|---|---|---|
| Total Suspended Solids | mg/L | 39.0 | 39.0 | 0 | 20 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021888
QC Batch Method: SM9215B
Analysis Description: Heterotrophic Plate Count
Analysis Method: SM9215B

**METHOD BLANK: T021888-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Heterotrophic Plate Count | CFU/ml | > 300 | 1.0 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021917
QC Batch Method: SM9215B
Analysis Description: Heterotrophic Plate Count
Analysis Method: SM9215B

**METHOD BLANK: T021917-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Heterotrophic Plate Count | CFU/ml | <1.0 | 1.0 | |

Trace Project ID: T11C162
Client Project ID: LEC / 01545.46.001

QC Batch: T021948
QC Batch Method: SM9215B
Analysis Description: Heterotrophic Plate Count
Analysis Method: SM9215B

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**METHOD BLANK: T021948-BLK1**

| Parameter | Units | Blank Result | Reporting Limit | Notes |
|---|---|---|---|---|
| Heterotrophic Plate Count | CFU/ml | <1.0 | 1.0 | |



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3/16/11 Page 1 of 3

TRACE ID NO. T11C162

**TRACE USE ONLY**

Logged By: BMC Checked By: JS

Received on ice: (Yes) No Preservative Checked: (Yes) No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

**Report Results To:**

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415 Fax:

Email Address:

Project #: 01545.46.001 PO #: Trace Quote #:

Project Name: LEC Sampled by: SM/SP

**Bill To:**

Billing Address (if different)

City, State, Zip Code

Attn: Phone: Fax:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard (2 wk) | ☐ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | * 5 Day | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | * 2-4 Day (RUSH) | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * 24 Hour (RUSH) | ☐ | OI = Oil | D = Drinking Water |
| Special | ☐ | * Requires prior approval | | SO = Solid Waste | SL = Sludge |

ANALYSIS REQUESTED

**Request for Analytical Services**

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | | | | | | | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 3-14-11 | 1425 | | DRC-02 | SW | 4 | X | X | | | | | | | | | | |
| 02 | 3-14-11 | 1435 | | SW-D-5 | SW | 4 | X | X | | | | | | | | | | |
| 03 | 3-14-11 | 1605 | | SW-R-1 | SW | 4 | X | X | | | | | | | | | | |
| 04 | 3-14-11 | 1615 | | SW-R-2 | SW | 4 | X | X | | | | | | | | | | |
| 05 | 3-14-11 | 1625 | | SW-R-3 | SW | 4 | X | X | | | | | | | | | | |
| 06 | 3-14-11 | 1635 | | SW-R-4 | SW | 4 | X | X | | | | | | | | | | |
| 07 | 3-14-11 | 1655 | | SW-D-4 | SW | 4 | X | X | | | | | | | | | | |
| 08 | 3-14-11 | 1730 | | SW-R-6 | SW | 4 | X | X | | | | | | | | | | |
| 09 | 3-14-11 | 1745 | | SW-D-3 | SW | 4 | X | X | | | | | | | | | | |
| 10 | 3-14-11 | — | | Dup-01 | SW | 4 | X | X | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [signature] | Fed Ex | 3-15-11 | 1900 | | 3) | | | |
| | 2) Fed Ex | [signature] | 3-16-11 | 10:17 | | 4) | | | |

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Page 2 of 3

TRACE ID NO. T11C162

**TRACE USE ONLY**

Logged By: BML  Checked By: GS

Received on ice: (Yes) No  Preservative Checked: (Yes) No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

**Report Results To:**

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave SE

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415  Fax:

Email Address: scott.pawlukiewicz

Project #: 01545.46.001  PO #:  Trace Quote #:

Project Name: LEC  Sampled by: SM/SP

**Bill To:**

Billing Address (if different)

City, State, Zip Code

Attn:  Phone:  Fax:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard (2 wk) | ☐ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | * 5 Day | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | * 2-4 Day (RUSH) | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * 24 Hour (RUSH) | ☐ | OI = Oil | D = Drinking Water |
| Special | ☐ | * Requires prior approval | | SO = Solid Waste | SL = Sludge |

ANALYSIS REQUESTED

**Request for Analytical Services**

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CHY | HEC | NO3/SO4/TSS/TDS | NH3/P | Diss Pb | | 1,3 butadiene (8015b) | 1,3 butadiene (8260) | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 3-15-11 | 0940 | X | MW-19-12 | GW | 10 | X | X | X | X | X | X | X | | X | X | | |
| 12 | 3-15-11 | 1046 | X | MW-19-8 | GW | 10 | X | X | X | X | X | X | X | | X | X | | |
| 13 | 3-15-11 | 1152 | X | MW-19-17 | GW | 10 | X | X | X | X | X | X | X | | X | X | | |
| 14 | 3-15-11 | 1321 | X | MW-19-15 | GW | 10 | X | X | X | X | X | X | X | | X | X | | |
| 15 | 3-15-11 | 1533 | X | MW-19-16 | GW | 10 | X | X | X | X | X | X | X | | X | X | | |
| 16 | 3-16-11 | 0924 | X | MW-29S | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 17 | 3-15-11 | 1144 | X | MW-25(R) | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 18 | 3-15-11 | 1310 | X | MW-8 | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 19 | 3-15-11 | 1448 | X | MW-28I | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 20 | 3-15-11 | 1553 | | MW-28S | GW | 10 | X | X | X | X | X | X | X | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) Scott Pawlukiewicz | Fed Ex | 3-15-11 | 1900 | | 3) | | | |
| | 2) Fed Ex | B McDonald | 3-16-11 | 10:17 | | 4) | | | |

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Page 3 of 3

TRACE ID NO. T11C162

**TRACE USE ONLY**

Logged By: BML Checked By: JS

Received on ice: (Yes) No Preservative Checked: (Yes) No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

**Report Results To:**

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415 Fax:

Email Address:

Project #: 01545.46.001 PO #: Trace Quote #:

Project Name: LEC Sampled by: SM/SP

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard (2 wk) | ☐ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | * 5 Day | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | * 2-4 Day (RUSH) | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * 24 Hour (RUSH) | ☐ | OI = Oil | D = Drinking Water |
| Special | ☐ | * Requires prior approval | | SO = Solid Waste | SL = Sludge |

**Bill To:**

Billing Address (if different)

City, State, Zip Code

Attn: Phone: Fax:

**Request for Analytical Services** — ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CHL | HPC | $NO_3/SO_4$ | TSS/TDS | $NH_3/P$ | Diss Pb | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | SW-D-2 | 1800 | | SW-D-2 | SW | 8 4 | X | X | | | | | | | | | MS/MSD | |
| 22 | SW-D-1 | 1810 | | SW-D-1 | | | | | | | | | | | | | | |
| | | ~~[illegible]~~ | | ~~[illegible]~~ | | | | | | | | | | | | | | |
| 23 | 3-15-11 | — | | Dup-02 | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 24 | | | | Trip Blank | | | | | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) Scott Pawlukiewicz | Fed Ex | 3-15-11 | 1900 | | 3) | | | |
| | 2) Fed Ex | B McDonald | 3/16/11 | 10:17 | | 4) | | | |

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

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# CHAIN-OF-CUSTODY RECORD

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Page 1 of 2

TRACE ID NO. T11C162

**TRACE USE ONLY**
Logged By: JS Date Checked By: BJM
Received on ice: Yes No Preservative Checked: Yes No N/A
Soil Volatiles Preserved: MeOH En Core Low Level Lab

**Report Results To:**
Client Name: RMT, Inc
Contact Person: Scott Paulukiewicz
Mailing Address: 2025 E Beltline Ave
City, State, Zip Code: Grand Rapids, MI
Phone: 616-975-5415 Fax:
Email Address:
Project #: 01545.46.001 PO #: Trace Quote #:
Project Name: LEC Sampled by: SM/SP

**Bill To:**
Billing Address (if different)
City, State, Zip Code Madison, WI
Attn: Phone: Fax:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard (2 wk) | ☑ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | * 5 Day | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | * 2-4 Day (RUSH) | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * 24 Hour (RUSH) | ☐ | OI = Oil | D = Drinking Water |
| Special | ☐ | * Requires prior approval | | SO = Solid Waste | SL = Sludge |

**Request for Analytical Services** — ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CHY | HPC | NO3/SO4/TSS/TDS | NH3/P | Diss Pb | 1,3-Butadiene (8015) | 1,3-Butadiene (8260) | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 3/16/11 | 0810 | y | MW-27s | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | x | x | |
| 26 | 3/16/11 | 1020 | y | MW-19-7R | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | x | x | |
| 27 | 3/16/11 | 1024 | y | MW-19-6R | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | x | x | |
| 28 | 3/16/11 | 1142 | y | MW-19R | W | 20 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | | x | x | |
| 29 | 3/16/11 | 1256 | y | MW-19-14 | W | 10 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | | x | x | |
| 30 | 3/16/11 | 1303 | y | MW-19-13 | W | 10 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | | x | x | |
| 31 | 3/16/11 | 1410 | y | MW-19-5R | W | 10 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | | x | x | |
| 32 | 3/16/11 | 1428 | N | ~~MW~~ ATM-01 | W | 10 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | | | | Tot. Pb. |
| 33 | 3/16/11 | 1549 | y | MW-30I | W | 10 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | | | | |
| 34 | 3/16/11 | 1600 | y | ~~MW-30S~~ MW-30D | W | 10 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [signature] | [signature] | 3/16/11 | 1830 | | 3) | | | |
| | 2) FedEx | [signature] | 3/17/11 | 10:45 | | 4) | | | |

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Report ID: T11C162 FINAL 03 25 11 1401

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Page 2 of 2

TRACE ID NO. T11C162

**TRACE USE ONLY**

Logged By: [illegible] Checked By: [illegible]

Received on ice: Yes No Preservative Checked: Yes No N/A

Soil Volatiles Preserved: MeOH En Core Low Level Lab

**Report Results To:**

Client Name: RMT, Inc

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave.

City, State, Zip Code: Grand Rapids, MI

Phone: 616-975-5415 Fax:

Email Address: scott.pawlukiewicz@rmtinc.com

Project #: ~~00~~ 01545.46.001 PO #: Trace Quote #:

Project Name: LEC Sampled by: SP/SM

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard (2 wk) | ☑ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | * 5 Day | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | * 2-4 Day (RUSH) | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * 24 Hour (RUSH) | ☐ | OI = Oil | D = Drinking Water |
| Special | ☐ | * Requires prior approval | | SO = Solid Waste | SL = Sludge |

**Bill To:**

Billing Address (if different)

City, State, Zip Code Madison, WI

Attn: Phone: Fax:

**Request for Analytical Services** — ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CHW | HPC | NO2/SO4/TSS/TDS | NH3/P | Diss Pb | 1,3 butadiene (8015B) | 1,3 butadiene (8260) | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35 | 3/16/11 | 1709 | y | MW-30S | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | |
| 36 | 3/16/11 | — | y | Dup-03 | W | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | |
| 37 | 3/3/11 | — | — | TB-02 | W | 1 | 1 | — | — | — | — | — | — | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) S Pawlukiewicz | [illegible] | 3/16/11 | 1830 | | 3) | | | |
| | 2) FedEX | [illegible] | 3/17/11 | 10:45 | | 4) | | | |

In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

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TRACE ID NO. T11C162

**TRACE USE ONLY**

Logged By: GS  Checked By: BMC

Received on ice: (Yes) No  Preservative Checked: (Yes) No N/A

Soil Volatiles Preserved: MeOH Low Level Lab Sampling Time:

**Report Results To:**

Client Name: RMT, INC

Contact Person: Scott Pawlukiewicz

Mailing Address: 2025 E Beltline Ave SE

City, State, Zip Code: Grand Rapids, MI 49546

Phone: 616-975-5415  Fax:

Email Address: scott.pawlukiewicz

Cell #:  Sampled by: SM/SP

Project Name & #: LEC 01545.46.001

**Bill To:**

Billing Address (if different)

City, State, Zip Code

Attn:  Phone:  PO #:

| Regulatory Requirements | | Turnaround Requirements | | Matrix Key | |
|---|---|---|---|---|---|
| MERA TMDL's | ☐ | Standard | ☐ | S = Soil | WI = Wipes |
| Drinking Water | ☐ | 3-4 Day (RUSH)* | ☐ | W = Water | LW = Liquid Waste |
| NPDES | ☐ | 24-48 Hour (RUSH)* | ☐ | SE = Sediment | A = Air |
| USACE | ☐ | * Requires prior approval | | OI = Oil | D = Drinking Water |
| Special | ☐ | | | SO = Solid Waste | SL = Sludge |

**Request for Analytical Services** — ANALYSIS REQUESTED

| TRACE NO. | DATE TAKEN | TIME TAKEN | METALS FIELD FILTERED | CLIENT SAMPLE ID | MATRIX | NUMBER OF CONTAINERS | BTEX | DEHP | CH4 | HPC | NO3/SO4/TSS/TDS | NH3/P | Diss Pb | Total Pb | | | REMARKS | Possible Health Hazard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 3-17-11 | 0745 | X | MW-35S | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 39 | 3-17-11 | 0850 | X | MW-34S | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 40 | 3-17-11 | 0820 | X | MW-32S | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 41 | 3-17-11 | 0925 | X | MW-31S | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 42 | 3-17-11 | 0955 | X | MW-33S | GW | 10 | X | X | X | X | X | X | X | | | | | |
| 43 | 3-17-11 | 0930 | | RB-01 | DI | 4 | X | X | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | | | No Pb S.P. | |
| 44 | 3-17-11 | 0940 | | RB-02 | DI | 10 | X | X | X | X | X | X | | X | | | | |
| 45 | 3-17-11 | 0950 | | RB-03 | DI | 10 | X | X | X | X | X | X | | X | | | | |
| 46 | 3-3-11 | | | TB-03 | DI | 1 | X | | | | | | | | | | | |

**Please Sign**

| Item # | RELEASED BY | RECEIVED BY | DATE | TIME | Item # | RELEASED BY | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|---|---|---|---|
| | 1) [signature] | Fed Ex | 3-17-11 | 1630 | | 3) | | | |
| | 2) Fed-Ex | [signature] | 3/18/11 | 10:14 | | 4) | | | |

In executing this Chain of Custody, the client acknowledges acceptance of the terms and conditions of the agreement as set forth at http://www.trace-labs.com/cocterms.php

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# SAMPLE LOG IN CHECKLIST

Date: 3/16/11 Client Name: RMT # of Coolers: 5
Trace ID #: T11C162 Project Name: LEC Cooler #s:
Logged in by: BMDonald Cooler #s:

## Cooler Receipt

Cooler/samples delivered by: Trace courier ☐ Hand delivered ☐ Commercial courier ☐ Name of delivery person: UPS ☐ DHL ☐ FED EX ☒ US Mail ☐

Did cooler come with a bill of lading? No ☐ Yes ☐ ☒ Not Applicable Way Bill or Tracking #:

COC Seals present and intact on cooler? No ☐ Yes ☐ ☒ Not Applicable

Custody seals signed by Client? No ☐ Yes ☐ Client custody seal # (if applicable):

## Coolant and Temperature

### Type of Coolant Used

| | Yes | No |
|---|---|---|
| Slurry w/ crushed, cubed, or chip ice? | ☐ | ☐ |
| Multiple bags of ice around samples? | ☒ | ☐ |
| Ice Packs/ Blue Ice : | ☐ | ☐ |
| No Coolant Present: | ☐ | |

### Cooler Temperature

Correction Factor 10.1 °C

Date: 3/16/11 Time: 10:17

Temperature Blank: -0 °C

Range of 3 samples: 2 °C

Melt Water: °C

Ice still present upon receipt: ☒ Yes ☐ No

## General

| | Yes | No | NA |
|---|---|---|---|
| COC taped to inside of cooler lid? | ☐ | ☒ | ☐ |
| All bottles arrived unbroken with labels in good condition? | ☒ | ☐ | ☐ |
| Each sample point is in a sealed plastic bag? | ☒ | ☐ | ☐ |
| Labels filled out completely? | ☒ | ☐ | ☐ |
| All bottle labels agree with Chain of Custody (COC)? | ☒ | ☐ | ☐ |
| Sufficient sample to run tests requested? | ☒ | ☐ | ☐ |
| pH checked and samples at correct pH? | ☒ | ☐ | ☐ |
| Correct preservative added to samples? | ☒ | ☐ | ☐ |
| DRO/GRO samples received and appropriate check in form completed? | ☐ | ☐ | ☒ |
| Air bubbles absent from VOAs? | ☒ | ☐ | ☐ |
| COC filled out properly and signed by client? | ☒ | ☐ | ☐ |
| COC signed in by TRACE sample custodian? | ☒ | ☐ | ☐ |
| Was project manager called and samples discussed? | ☐ | ☐ | ☐ |

Contact: Date:

Notes:

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# SAMPLE LOG IN CHECKLIST

Date: 3-17-11 Client Name: RMT # of Coolers: 4
Trace ID #: T11C162 Project Name: Cooler #s:
Logged in by: Cooler #s:

## Cooler Receipt

Cooler/samples delivered by: Trace courier [ ] Hand delivered [ ] Commercial courier [X]
Name of delivery person:
UPS [ ] DHL [ ] FED EX [X] US Mail [ ]

Did cooler come with a bill of lading? No [X] Yes [ ] [ ] Not Applicable
Way Bill or Tracking #:

COC Seals present and intact on cooler? No [X] Yes [ ] [ ] Not Applicable

Custody seals signed by Client? No [X] Yes [ ]
Client custody seal # (if applicable):

## Coolant and Temperature

### Type of Coolant Used

| | Yes | No |
|---|---|---|
| Slurry w/ crushed, cubed, or chip ice? | [ ] | [ ] |
| Multiple bags of ice around samples? | [X] | [ ] |
| Ice Packs/ Blue Ice : | [ ] | [ ] |
| No Coolant Present: | [ ] | |

### Cooler Temperature

Correction Factor +0.2 °C
Date: 3-17-11 Time: 10:45
Temperature Blank: 3.1 5.4 °C
Range of 3 samples: 3 - 5 °C
Melt Water: °C
Ice still present upon receipt: [X] Yes [ ] No

## General

| | Yes | No | NA |
|---|---|---|---|
| COC taped to inside of cooler lid? | [X] | [ ] | [ ] |
| All bottles arrived unbroken with labels in good condition? | [X] | [ ] | [ ] |
| Each sample point is in a sealed plastic bag? | [X] | [ ] | [ ] |
| Labels filled out completely? | [X] | [ ] | [ ] |
| All bottle labels agree with Chain of Custody (COC)? | [X] | [ ] | [ ] |
| Sufficient sample to run tests requested? | [X] | [ ] | [ ] |
| pH checked and samples at correct pH? | [X] | [ ] | [ ] |
| Correct preservative added to samples? | [X] | [ ] | [ ] |
| DRO/GRO samples received and appropriate check in form completed? | [ ] | [ ] | [X] |
| Air bubbles absent from VOAs? | [X] | [ ] | [ ] |
| COC filled out properly and signed by client? | [X] | [ ] | [ ] |
| COC signed in by TRACE sample custodian? | [X] | [ ] | [ ] |
| Was project manager called and samples discussed? | [ ] | [ ] | [ ] |

Contact: Date:

Notes:

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www.trace-labs.com

# SAMPLE LOG IN CHECKLIST

Date: 3-18-11 Client Name: BMT # of Coolers: 2
Trace ID #: T11C162 Project Name: Cooler #s:
Logged in by: Cooler #s:

## Cooler Receipt

Cooler/samples delivered by: Trace courier [ ] Hand delivered [ ] Commercial courier [X] Name of delivery person: UPS [ ] DHL [ ] FED EX [X] US Mail [ ]

Did cooler come with a bill of lading? No [X] Yes [ ] [ ] Not Applicable Way Bill or Tracking #:

COC Seals present and intact on cooler? No [X] Yes [ ] [ ] Not Applicable

Custody seals signed by Client? No [X] Yes [ ] Client custody seal # (if applicable):

## Coolant and Temperature

### Type of Coolant Used

| | Yes | No |
|---|---|---|
| Slurry w/ crushed, cubed, or chip ice? | [ ] | [ ] |
| Multiple bags of ice around samples? | [X] | [ ] |
| Ice Packs/ Blue Ice : | [X] | [ ] |
| No Coolant Present: | [ ] | |

### Cooler Temperature

Correction Factor +0.2 °C

Date: 3-18-11 Time: 10:14

Temperature Blank: °C
Range of 3 samples: °C
Melt Water: °C
Ice still present upon receipt: [X] Yes [ ] No

## General

| | Yes | No | NA |
|---|---|---|---|
| COC taped to inside of cooler lid? | [ ] | [X] | [ ] |
| All bottles arrived unbroken with labels in good condition? | [X] | [ ] | [ ] |
| Each sample point is in a sealed plastic bag? | [X] | [ ] | [ ] |
| Labels filled out completely? | [X] | [ ] | [ ] |
| All bottle labels agree with Chain of Custody (COC)? | [X] | [ ] | [ ] |
| Sufficient sample to run tests requested? | [X] | [ ] | [ ] |
| pH checked and samples at correct pH? | [X] | [ ] | [ ] |
| Correct preservative added to samples? | [X] | [ ] | [ ] |
| DRO/GRO samples received and appropriate check in form completed? | [ ] | [ ] | [X] |
| Air bubbles absent from VOAs? | [X] | [ ] | [ ] |
| COC filled out properly and signed by client? | [X] | [ ] | [ ] |
| COC signed in by TRACE sample custodian? | [X] | [ ] | [ ] |
| Was project manager called and samples discussed? | [ ] | [ ] | [ ] |

Contact: Date:

Notes: Sample T11C162-43 only had 4 bottles

Rev.8 11/21/06

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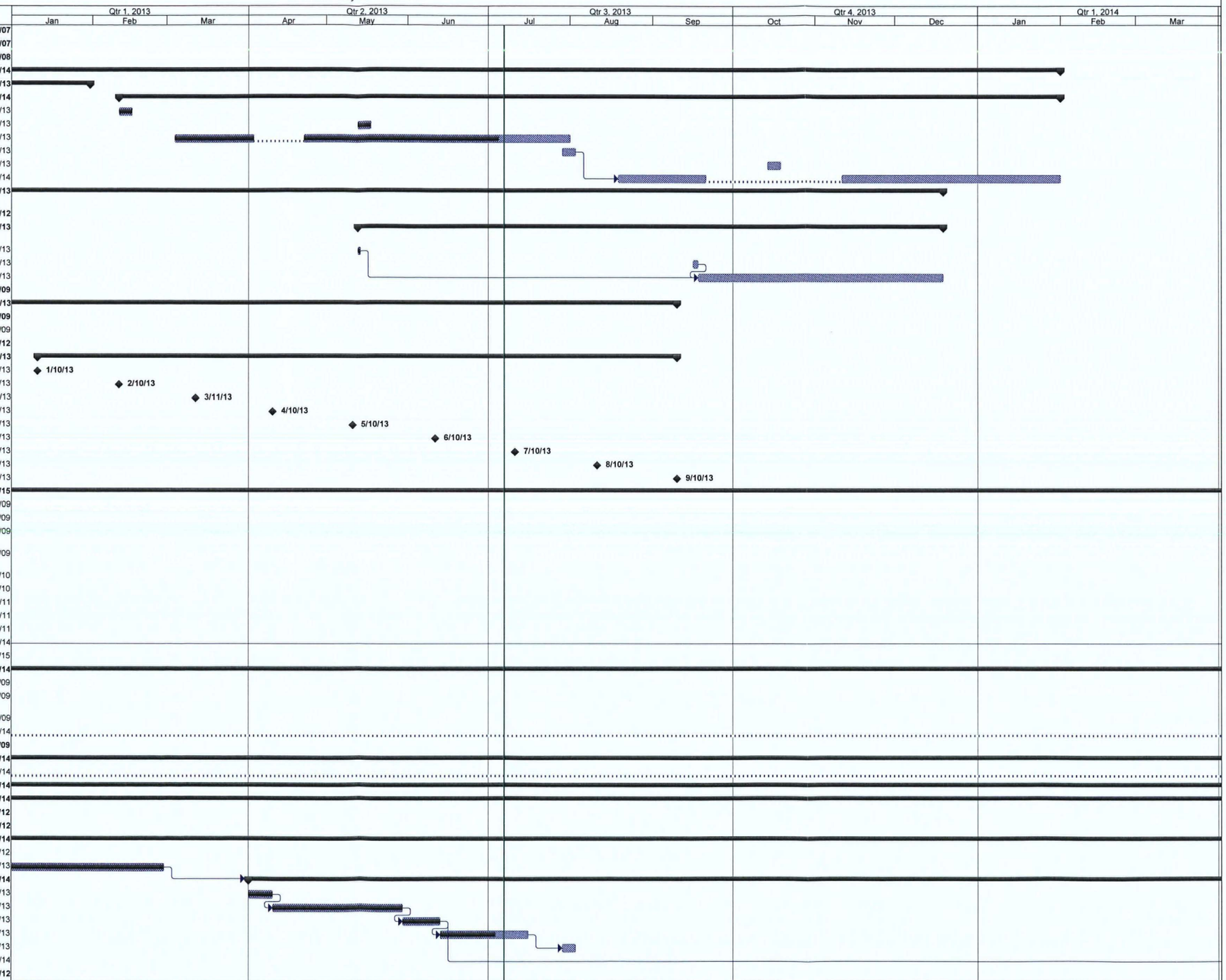
**USEPA ID No. NJD002168748**

# Dayco Corporation/L. E. Carpenter Superfund Site ~ Borough of Wharton, Morris County, NJ
## Master Project Schedule

**Project Update No. 37**
**Sun 7/7/13**

| ID | Task Name | Start | Finish |
|---|---|---|---|
| 1 | **SOURCE REDUCTION (Site Soils)** | **Fri 4/16/04** | **Fri 9/14/07** |
| 12 | **USEPA ESD (Site Soils)** | **Tue 7/10/07** | **Wed 10/24/07** |
| | **POST REMEDIAL MONITORING PLAN [PRMP] IMPLEMENTATION** | **Fri 7/1/05** | **Sat 4/12/08** |
| | **QUARTERLY MONITORING AND REPORTING** | **Mon 2/27/06** | **Fri 1/31/14** |
| 112 | **2006 through 2012** | **Mon 2/27/06** | **Wed 1/30/13** |
| 175 | **2013 Monitoring and Reporting** | **Mon 2/11/13** | **Fri 1/31/14** |
| 176 | Conduct 1Q12 Monitoring Event | Mon 2/11/13 | Fri 2/15/13 |
| 177 | Conduct 2Q12 Monitoring Event | Mon 5/13/13 | Fri 5/17/13 |
| 178 | Prepare and Submit 1st Semi-annual 2013 Monitoring Report | Mon 3/4/13 | Wed 7/31/13 |
| 179 | Conduct 3Q12 Monitoring Event | Mon 7/29/13 | Fri 8/2/13 |
| 180 | Conduct 4Q12 Monitoring Event | Mon 10/14/13 | Fri 10/18/13 |
| 181 | Prepare and Submit 2nd Semi-annual 2013 Monitoring Report | Mon 8/19/13 | Fri 1/31/14 |
| 182 | **WETLAND AREA [WHARTON ENTERPRISES] MONITORING AND REPORTING** | **Fri 6/24/05** | **Wed 12/18/13** |
| 183 | **2005 through 2012** | **Fri 6/24/05** | **Wed 12/19/12** |
| 219 | **2013 Wetland Monitoring, Invasive Species Control, Restoration& Reporting** | **Mon 5/13/13** | **Wed 12/18/13** |
| 220 | Spring 2013 Monitoring & Invasive Species Control Event | Mon 5/13/13 | Mon 5/13/13 |
| 221 | Fall 2013 Monitoring and Invasive Species Control Event | Mon 9/16/13 | Tue 9/17/13 |
| 222 | 2013 Annual Wetland Monitoring Report Preparation and Submittal | Wed 9/18/13 | Wed 12/18/13 |
| 223 | **REMEDIAL INVESTIGATIONS (RI) (NJDEP LEAD)** | **Mon 2/27/06** | **Thu 8/6/09** |
| 239 | **USEPA UAO & SOW** | **Fri 4/18/08** | **Tue 9/10/13** |
| 240 | **Active Discussion and Negotiation** | **Fri 4/18/08** | **Mon 8/3/09** |
| 249 | **USEPA Assumes Lead Agency Role [UAO/SOW Effective Date]** | Thu 8/6/09 | Thu 8/6/09 |
| 250 | **2009 through 2012 Progress Reports** | **Wed 9/9/09** | **Mon 12/10/12** |
| 283 | **2013 Progress Reports** | **Thu 1/10/13** | **Tue 9/10/13** |
| 284 | Progress Report No. 31 (December 1, 2012 to December 31, 2012) | Thu 1/10/13 | Thu 1/10/13 |
| 285 | Progress Report No. 32 (January 1, 2013 to January 31, 2013) | Sun 2/10/13 | Sun 2/10/13 |
| 286 | Progress Report No. 33 (February 1, 2013 to February 28, 2013) | Mon 3/11/13 | Mon 3/11/13 |
| 287 | Progress Report No. 34 (March 1, 2013 to March 31, 2013) | Wed 4/10/13 | Wed 4/10/13 |
| 288 | Progress Report No. 35 (April 1, 2013 to April 30, 2013) | Fri 5/10/13 | Fri 5/10/13 |
| 289 | Progress Report No. 36 (May 1, 2013 to May 31, 2013) | Mon 6/10/13 | Mon 6/10/13 |
| 290 | Progress Report No. 37 (June 1, 2013 to June 30, 2013) | Wed 7/10/13 | Wed 7/10/13 |
| 291 | Progress Report No. 38 (July 1, 2013 to July 31, 2013) | Sat 8/10/13 | Sat 8/10/13 |
| 292 | Progress Report No. 39 (August 1, 2013 to August 31, 2013) | Tue 9/10/13 | Tue 9/10/13 |
| 293 | **RA WORK PLAN (RAWP) ADDENDUM** | **Thu 8/6/09** | **Mon 2/9/15** |
| | RA Work Plan Addendum Preparation | Thu 8/6/09 | Tue 9/15/09 |
| | USEPA & NJDEP Review and Comment on the RA Work Plan Addendum | Fri 9/4/09 | Mon 12/21/09 |
| 296 | Response to USEPA & NJDEP RA Work Plan Addendum Comments on MW19HS1 Soil Remediation | Tue 12/22/09 | Tue 12/29/09 |
| 297 | USEPA Approval of MW19HS1 Soil Remediation (RA Work Plan Addendum and Response to Comments) | Wed 12/30/09 | Wed 12/30/09 |
| 298 | Response to USEPA & NJDEP Comments on the MW-30 Investigation | Mon 1/4/10 | Mon 2/1/10 |
| 299 | USEPA Approval of the MW-30 Investigation (Response to Comments) | Tue 2/2/10 | Mon 2/22/10 |
| 300 | Prepare and submit Revised RAWP Addendum | Fri 4/1/11 | Fri 7/8/11 |
| 301 | USEPA review of Revised RAWP Addendum | Tue 7/12/11 | Wed 9/28/11 |
| 302 | Response to USEAP & NJDEP Comments on the Revised RAWP Addendum | Thu 9/29/11 | Fri 10/28/11 |
| 303 | Prepare and submit Final RAWP Addendum | Tue 8/26/14 | Mon 11/17/14 |
| 304 | USEPA review and approval of Final RAWP Addendum | Tue 11/18/14 | Mon 2/9/15 |
| 305 | **COMMUNITY INVOLVEMENT PLAN (CIP)** | **Wed 8/26/09** | **Mon 11/17/14** |
| 306 | NJDEP Public Outreach - Sign post Compliance [NJAC 7:26E-1.4(h)&(i)4] | Mon 9/14/09 | Mon 9/14/09 |
| 307 | NJDEP Public Outreach - Sensitive Population Checklist Compliance [NJAC 7:26E-1.4(h)&(i)4] | Wed 8/26/09 | Wed 8/26/09 |
| 308 | USEPA Fact Sheet No. 1 | Mon 11/23/09 | Mon 11/23/09 |
| 309 | CIP Preparation & Submittal | Mon 12/14/09 | Mon 11/17/14 |
| 310 | **USEPA 5-YEAR REVIEWS** | **Thu 10/15/09** | **Thu 10/15/09** |
| 312 | **QUALITY ASSURANCE PROJECT PLAN (UFP-QAPP)** | **Mon 12/21/09** | **Mon 11/17/14** |
| 313 | UFP Compliant QAPP Preparation | Mon 12/21/09 | Mon 11/17/14 |
| 314 | **RA WORK PLAN (RAWP) ADDENDUM IMPLEMENTATION** | **Mon 11/17/08** | **Fri 11/7/14** |
| 315 | **MW-30 AOC** | **Mon 3/1/10** | **Fri 11/7/14** |
| 316 | **Remedial Investigation (RI)** | **Mon 11/29/10** | **Thu 8/23/12** |
| 325 | **Treatability Study** | **Wed 2/1/12** | **Tue 4/3/12** |
| 327 | **Pilot Phytoremediation Design/Implementation** | **Thu 9/13/12** | **Fri 11/7/14** |
| 328 | Design | Thu 9/13/12 | Wed 10/24/12 |
| 329 | Access Agreements | Thu 10/25/12 | Wed 2/27/13 |
| 330 | **Implementation and Monitoring** | **Mon 4/1/13** | **Fri 11/7/14** |
| 331 | Submit Well Point Installation and Sampling Workplan | Mon 4/1/13 | Tue 4/9/13 |
| 332 | Agency Review | Wed 4/10/13 | Wed 5/29/13 |
| 333 | Response to Comments | Thu 5/30/13 | Wed 6/12/13 |
| 334 | Agency Approval | Thu 6/13/13 | Mon 7/15/13 |
| [illegible] | Installation and Sampling of Wetland Well Points - Baseline | Mon 7/29/13 | Fri 8/2/13 |
| [illegible] | Installation and Sampling of Wetland Well Points - Post Remedy | Mon 11/3/14 | Fri 11/7/14 |
| 337 | **MW19HS1 AOC** | **Mon 11/17/08** | **Tue 10/2/12** |




Sun 7/7/13

Task | Split | Milestone | Summary | Rolled Up Task | Rolled Up Milestone | Rolled Up Progress | Rolled Up Split | Project Summary | External Milestone | External Tasks | Inactive Milestone | Inactive Summary | Inactive Task | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | Progress | Deadline

**edays: elapsed days or calendar days**