123881

Golder Associates Inc.

200 Century Parkway, Suite C
Mt. Laurel, NJ 08054
Tel: (856) 793-2005
Fax: (856) 793-2006
www.golder.com

FINAL
OFF-PROPERTY GROUNDWATER INVESTIGATION REPORT
OPERABLE UNIT NO. 3
216 PATERSON PLANK ROAD SITE
CARLSTADT, NEW JERSEY

Prepared for:

216 Paterson Plank Road Cooperating PRP Group

Prepared by:

Golder Associates Inc.
200 Century Parkway, Suite C
Mount Laurel, New Jersey 08054

DISTRIBUTION:

2 Copies	U.S. Environmental Protection Agency
2 Copies	New Jersey Dept. of Environmental Protection
1 Copy	Technical and Executive Committee Members (e-copy)
1 Copy	Common Counsel
2 Copies	Golder Associates Inc.

July 2009 Project No.: 943-6222

Golder Associates Inc.

200 Century Parkway, Suite C
Mt. Laurel, NJ 08054
Tel: (856) 793-2005
Fax: (856) 793-2006
www.golder.com

July 10, 2009 Project No.: 943-6222

Chief, New Jersey Compliance Branch
Emergency and Remedial Response Division
U.S. Environmental Protection Agency, Region II
290 Broadway
New York, NY 10007-1866

Attn: Ms. Stephanie Vaughn, Remedial Project Manager

RE: 216 PATERSON PLANK ROAD, CARLSTADT, NJ
FINAL OFF-PROPERTY GROUNDWATER INVESTIGATION REPORT

Ladies and Gentlemen:

On behalf of the 216 Paterson Plank Road Cooperating PRP Group, we enclose two copies of the above Report. Two copies have also been provided to the New Jersey Department of Environmental Protection under separate cover. This report updates the previous Off-Property Groundwater Investigation Report, dated September 2007 based on USEPA comments. To facilitate your review of this report, the attached response to comments identifies how each comment is addressed herein.

This report provides a comprehensive summary of the Off-Property investigations conducted as previously reported and includes the results of pertinent monitoring conducted as part of the Interim Remedy operations and maintenance so as to provide a comprehensive data base of groundwater information. In summary, the extensive investigations conducted in the till and bedrock have substantially defined the nature and extent of contamination. Necessary additional delineation information will be obtained as part of the upcoming pilot testing work in connection with the Operable Unit 3 Feasibly Study.

If any questions arise during your review of the report, please do not hesitate to contact me.

Very truly yours,

GOLDER ASSOCIATES INC.

P. Stephen Finn, C.Eng.
Facility Coordinator

cc: Chief, Bureau of Federal Case Management
N.J. Department of Environmental Protection
Attn: Riché Outlaw, Case Manager

Warren L. Warren, Esq., Drinker, Biddle & Reath
Cooperating PRP Group Technical and Executive Committees (e-copy)

RESPONSE TO USEPA COMMENTS TO THE OFF PROPERTY GROUNDWATER INVESTIGATION REPORT (SEPTEMBER 2007)

Comment No. 1

In response to an email EPA sent on November 26, 2007, Golder submitted the following additional data:

- *A table with historic data from the S-wells;*
- *A table summarizing the ground water sampling conducted since 1995, including when the wells were sampled and which parameters were analyzed for; and*
- *Update hydrographs with 2007 ground water elevation data.*

Please include this additional data in the investigation report and prepare a brief written description of the S-well and hydrograph data. Also include a description of the ongoing sampling schedule. On the groundwater sampling summary table, in addition to the information already shown, please indicate whether each well is still available for sampling and whether a water level measurement was taken during the sampling event.

Response to Comment No. 1

The data from the S-wells has been included as Appendix G – Interim Remedy Groundwater Monitoring Results and the hydrographs are included as Appendix H – Interim Remedy Groundwater Hydrographs. Section 2.6 – Interim Remedy Groundwater Monitoring has been added that describes this data.

A table summarizing the groundwater sampling since 1995, has been added, Table 3d Historical Summary of Groundwater Sampling, and the requested additional information incorporated.

Comment No. 2

The screen zones at replacement wells RMW 8D, 11D, 12 D are so different from the original wells that the historical comparison of the results at these wells is not possible. It appears that the new wells may have missed much of the contamination. Parts of Table 6 and some of the observations expressed in Section 4.3.3 are not appropriate.

Response to Comment No. 2

Table 6 and the associated observations in Section 4.3.3 are based on historical data solely from the respective replacement wells. That is, the data from the replacement wells is not compared to the data from the original wells. As such, we believe it is reasonable to present the information as shown. Please also refer to Golder's letter to EPA dated June 15, 2006 for further discussion on the screen intervals for the replacement wells.

Comment No. 3

Page 8 – The report cites a 1976 study by Carswell that says the Hackensack Meadows (marsh) receives little surface water during summer. Has the hydrologic situation changed since 1976? Have there been changes that should be quantified in buildings, pavements, dry wells, street culverts, and urban run-off, sewering or septic systems?

Response to Comment No. 3

There has been significant development in the region since 1976 and this development continues today. The reference has been deleted from the text given its age and lack of relevance to deep groundwater.

Comment No. 4

Page 32 – Geochemical conditions around MW-21D are anaerobic and appear to strongly support biodegradation of chloroethenes (MNA screening score of 23). There is some evidence that 1,1-dichloroethane is converting to ethane. The figure in App. F for the TCA chain at MW-21 D should show chloroethane too. However, benzene and 1,4-dioxane are highly elevated at this well and probably will not break down under these conditions.

It is not clear if the chloride at MW-21D is really from biodegradation. Were the parent chloroethenes at such high concentrations here to yield that much chloride? It should be noted that it was difficult to see patterns in the distribution of chloride and specific conductance around this property.

Response to Comment No. 4

Chloroethane has been added to the trend plots in Appendix F.

Chloride concentrations range from 22 mg/L to 557 mg/L in till wells (excluding MW-21D and MW-22D) and from 7 mg/L to 890 mg/L in bedrock wells. To develop the EPA MNA Score Card, monitoring wells MW-7D (39 mg/L) and MW-8D (24 mg/L) were used as background wells for the till and MW-8R (828 mg/L) was used as a background well for the bedrock. Elevated chloride concentration was used as a parameter for determining MNA efficacy; however, it was not a determining characteristic for MW-21D as all of the MNA parameters evaluated suggest that biodegradation is occurring at this well. The EPA Score Card scores two (2) points for chloride concentration greater than two (2) times the background concentration as indicative of the presence of chloride as a daughter product of chlorinated ethene/ethane degradation. Although the chloride concentration at MW-21D is uniquely high (2,830 mg/L) it is consistent with the other parameters and suggests that at least some of the chloride is from the degradation of chlorinated hydrocarbons. The anomalous nature of this well with respect to chloride is consistent with other unique chemical signatures in the well, e.g., benzene and 1,4-dioxane, and may point to a different source or transport pathway. This also holds true for MW-22D which is proximal to MW-21D.

Comment No. 5

Table 7 - Does the column titled Total Nitrogen refer to total kieljahl nitrogen (TKN)? Correct if needed.

Response to Comment No. 5

Table 7 has been modified to reference Total Kieljahl Nitrogen.

Comment No. 6

Table 7 – The worksheets for calculating the MNA screening scores should be shown in the appendix.

Response to Comment No. 6

Table 7a entitled EPA MNA Scorecard Calculation Matrix has been added to the report.

Comment No. 7

Table C-1 – Many till wells and all the bedrock wells had high pH values. Has this always been the condition at this Site or could this have resulted from an instrument error.

Response to Comment No. 7

The pH values reported in Table C-1 for the till wells range from 6.81 to 9.94 and for bedrock wells range from 8.05 to 12.01 which are consistent with previous sampling events. Appendix D from the May 2003 Off Property Investigation Report summarized field parameters from sampling events in 1998, 2000 and 2002. The pH values for till wells ranged from 6.71 to 13.09 and from 7.23 to 12.22 for bedrock wells during these sampling events.

TABLE OF CONTENTS

Cover Letter
Response to USEPA Comments to the Off Property Groundwater Investigation Report (September 2007)
Table of Contents i

SECTION PAGE

1.0 INTRODUCTION 1

2.0 SITE BACKGROUND 2
2.1 1990 Record of Decision – Operable Unit No. 1 2
2.2 2002 Record of Decision - Operable Unit No. 2 3
2.3 Previous Groundwater Studies 4
2.4 Regional Geology 5
2.5 Regional Hydrogeology 7
2.6 Interim Remedy Groundwater Monitoring 9

3.0 OFF-PROPERTY INVESTIGATION FIELD WORK 11
3.1 Monitoring Well Installation 11
3.1.1 Drilling Program 12
3.1.2 Well Installation 14
3.1.3 Well Development 14
3.2 Groundwater Sampling 15
3.3 Analytical Testing and Validation 16

4.0 OFF-PROPERTY INVESTIGATION RESULTS 18
4.1 Site Geology 18
4.1.1 Man-Made Fill Unit 18
4.1.2 Marine and Marsh Unit 18
4.1.3 Glaciolacustrine Varved Unit 19
4.1.4 Glacial Till Unit 20
4.1.5 Bedrock Unit 21
4.2 Site Hydrogeology 22
4.3 Groundwater Analytical Results 23
4.3.1 December 2006 Sampling Event 24
4.3.2 June-July 2007 Sampling Event 24
4.3.3 Temporal Trends in Data 25
4.3.4 Natural Attenuation Parameters 26

5.0 CONCLUSIONS 37

6.0 REFERENCES 40

LIST OF TABLES

Table 1 Monitoring Well Construction Data
Table 2 Packer Test Analytical Summary of Detected Compounds
Table 3a Sampling and Analyses Summary – December 2006
Table 3b Sampling and Analyses Summary – June – July 1007
Table 3c Sampling and Analyses Summary – Packer Testing – April-May 2007
Table 3d Historical Summary of Groundwater Sampling
Table 4 Groundwater Elevation Data – June 2007

Table 5a Summary of Detections – Till Wells
Table 5b Summary of Detections – Bedrock Wells
Table 6 Summary of Historical VOC Analytical Data
Table 7 Natural Attenuation Parameter Evaluation Summary
Table 7a USEPA MNA Score Card and Calculation Matrix

LIST OF FIGURES

Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Regional Geology
Figure 4 Conceptual Block Diagram
Figure 5 Geologic Cross-Section A-A', B-B' & C-C'
Figure 6 Geologic Cross-Section D-D', E-E' & F-F'
Figure 7 Interpreted Groundwater Contour Map
Figure 8 Interpreted Groundwater Contour Cross Sections
Figure 9 Till Groundwater Quality
Figure 10 Bedrock Groundwater Quality

LIST OF APPENDICES

Appendix A Borehole & Monitoring Well Construction Logs and New Jersey Forms A & B
Appendix B Revised Quality Assurance Project Plan (QAPP)
Appendix C Summary of Low Flow Purging Information
Appendix D Validation Narrative
Appendix E Groundwater Chemistry Data
Appendix F Natural Attenuation Chemistry Data
Appendix G Interim Remedy Groundwater Monitoring Results
Appendix H Interim Remedy Groundwater Hydrographs

1.0 INTRODUCTION

On behalf of the 216 Paterson Plank Road Cooperating PRP Group (Group), Golder Associates Inc. (Golder Associates) has prepared this Final Off-Property Groundwater Investigation Report (Report) for the 216 Paterson Plank Road Site (Site) located in Carlstadt, New Jersey. Administratively, the work is being conducted pursuant to the additional work provisions of an Administrative Order on Consent (Index No. CERCLA II-50114) dated September 30, 1985 (RI/FS Order).

The primary objective of the Off-Property investigation is to assess the nature and extent of groundwater contamination within the till and bedrock units that have been identified as Operable Unit No. 3 (OU-3). Previous Off-Property investigation activities were presented in an Interim Data Report (Golder, 1997a) and Off-Property Groundwater Investigation Report dated May 2003. An addendum to the May 2003 report was submitted in June 2005 in response to USEPA comments dated December 15, 2004, which also requested additional investigation to further define the nature and extent of groundwater contamination in the till and bedrock. The scope of the additional investigation was agreed at a meeting with USEPA on November 29, 2006 as documented in a letter dated January 9, 2007 from Golder Associates. The associated fieldwork was conducted between March and July 2007.

This Off-Property Groundwater Investigation Report provides a comprehensive presentation of OU-3 groundwater quality data, including the results of the 2007 additional investigation and pertinent operation and maintenance monitoring data associated with the Interim Remedy at the Site.

2.0 SITE BACKGROUND

The 6-acre Site was formerly the location of chemical recycling and waste processing facility, which ceased operation in 1980, and is located in a light industrial/commercial area of Carlstadt, New Jersey (Figure 1). The property is bordered to the southwest by Paterson Plank Road, to the northwest by Gotham Parkway, to the southeast by a trucking company, and to the northeast by Peach Island Creek. The Site was placed on USEPA's National Priorities List (NPL) in 1983.

The following sections provide a brief overview of the major remedial activities conducted at the Site to date.

2.1 1990 Record of Decision – Operable Unit No. 1

USEPA issued a Record of Decision (ROD) dated September 14, 1990, selecting an interim remedy for Operable Unit 1 (OU-1) based on the associated Remedial Investigation (RI), Feasibility Study (FS), and Baseline Risk Assessment. The ROD defined OU-1 as "contaminated soils and groundwater above the clay layer" and the selected remedy comprised the following major elements:

- Installation of a slurry wall around the entire Site;
- Installation of an infiltration barrier over the Site;
- Installation of an interior groundwater collection system, and extraction of groundwater from the OU-1 zone; and
- Off-site treatment and disposal of extracted groundwater.

USEPA determined that the selected Interim Remedy would "reduce the migration of hazardous substances, pollutants and contaminants out of the first operable unit zone" and be "consistent with an overall remedy which will attain the statutory requirement for protectiveness."

The Interim Remedy was designed and implemented by the Group pursuant to an Administrative Order (Index No. II CERCLA - 00116) dated September 28, 1990. The Interim Remedy consists of the following:

1. A lateral containment wall comprising a soil-bentonite slurry wall with an integral high density polyethylene (HDPE) vertical membrane, which circumscribes the property;

2. A horizontal "infiltration barrier" consisting of high density polyethylene (HDPE) covering the property;

3. A sheet pile retaining wall along Peach Island Creek;

4. An extraction system for shallow groundwater consisting of 5 extraction wells screened in the fill, which discharge to an above grade 10,000 gallon holding tank via an above grade header system; and

5. A chain link fence that circumscribes the Site.

The design of the Interim Remedy is presented in the Interim Remedy Remedial Design Report (Canonie, 1991) and construction was undertaken between August, 1991 and June, 1992. The Interim Remedy construction is documented in the Final Report - Interim Remedy for First Operable Unit (Canonie, 1992).

The Interim Remedy has been in operation since June 1992 and extracted groundwater is regularly shipped, via tanker trucks, to the DuPont Environmental Treatment (DET) facility, located in Deepwater, New Jersey, for treatment and disposal. Maintenance and monitoring of the Interim Remedy are conducted pursuant to the USEPA approved Operations and Maintenance Plan (Canonie, 1991) and subsequent addenda approved by USEPA. The regular monitoring program generally included eleven groundwater monitoring wells (MW-5D, MW-7D, MW-8S, RMW-8D, MW-9S, MW-10S, MW-11S, RMW-11D, MW-12SR, RMW-12D, and RMW-13D) as shown on Figure 2 and four surface water sampling points in Peach Island Creek[1]. In accordance with correspondence from USEPA dated June 30, 1995, samples are analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) quarterly and the full Target Analyte List (TAL) and TCL compounds annually. Groundwater monitoring results and water level measurements are described in Section 2.6.

2.2 2002 Record of Decision - Operable Unit No. 2

The USEPA issued a further Record of Decision (ROD) dated August 12, 2002, which selected a final remedy for the Fill Area, referred to as Operable Unit 2 (OU-2). The ROD defined OU-2 as the soil, sludges and groundwater above the shallow clay layer and inside the existing containment slurry wall, and the selected remedy comprises the following major elements:

[1] The program currently consists of ten monitoring wells. Monitoring well MW-10S was abandoned in December 2005 to accommodate construction of a new rail line.

- In-situ air stripping of a "Hot Spot" area with collection and on-site treatment of stripped VOCs and utilizing a cement-lime stabilization mixture, with an excavation contingency if performance standards could not be achieved;
- Installation of a permanent cap over the Fill Area circumscribed by the slurry wall;
- Improvements to the existing shallow groundwater collection system including installation of new wells and clean utility corridors;
- Improvements and upgrades to the existing sheet pile wall along Peach Island Creek, and;
- Institutional Controls to restrict use of the property.

A Consent Decree was lodged on July 14, 2004 with an effective date of September 30, 2004, which provides for the implementation of the OU-2 final remedial action by the Group. The Final (100%) Design Report was submitted to the USEPA in May, 2007, and the remedy is currently under construction.

2.3 Previous Groundwater Studies

A Remedial Investigation (Dames and Moore, 1990) was initiated in 1987, and evaluated soil and groundwater contamination beneath the Site. Borings were advanced at 30 locations during the remedial investigation, and chemical analyses were performed on soil samples from 17 of these borings. In broad terms, the investigation revealed ground conditions comprising fill overlying a clay layer, which was in turn underlain by glacial till and bedrock. Fourteen shallow piezometers (P-1 to P-14), and 7 shallow monitoring wells (MW-1S to MW-7S), were installed in the fill zone, along with 3 deeper monitoring wells (MW-2D, MW-5D, and MW-7D) as shown on Figure 2.

A total of nine monitoring wells were installed off-property by Dames and Moore in 1989 pursuant to Project Operations Plan (POP) No. 8 (Dames and Moore, 1988a). Five shallow monitoring wells were screened within the fill (MW-8S to MW-12S) and four deeper monitoring wells were installed (MW-8D, MW-11D, MW-12D, and MW-13D). At the specific request of one of the off-property owners, and with the approval of USEPA, monitoring well RMW-13D was subsequently installed in October 1995 as a replacement for MW-13D. Following two rounds of comparative groundwater sampling in RMW-13D and MW-13D, monitoring well MW-13D was decommissioned with the approval of USEPA.

A deep bedrock monitoring well (MW-2R) was installed on the property by Dames and Moore in 1989 pursuant to POP No. 9 (Dames and Moore, 1988b).

Golder Associates conducted an Off-Property investigation between June and September, 1996 pursuant to a Final Work Plan Amendment (Golder Associates, 1995). The work included installation of monitoring wells MW-8R, MW-10D, MW-10R, MW-11R, MW-14D, MW-14R, MW-15D, MW-16D, MW-17D, and MW-18D, as summarized in the Interim Data Report (Golder Associates, 1997a). Additional investigations were conducted in August and September, 1998 as requested by USEPA and summarized in a letter dated February 13, 1998. This investigation consisted of the installation of monitoring wells RMW-8D, RMW-11D, RMW-12D, MW-13R, MW-19D, MW-20D, MW-20R, and MW-21D. The results of this investigation were summarized at a meeting on March 17, 1999. Additional investigations were subsequently conducted in 2002 consisting of the installation of monitoring wells MW-15R, MW-19R, MW-22D, and MW-23R. The results of this investigation were presented in the Off-Property Groundwater Investigation Report (May 2003).

A summary of historical groundwater monitoring since 1995 is included in Table 3d.

2.4 Regional Geology

In general terms, the stratigraphic sequence in the Site vicinity from the youngest to the oldest geologic units can be subdivided as follows (Stanford et al., 1994; Averill et. al. , 1980):

Unconsolidated Deposits

- Man-Made Fill: Consisting of a mixture of soil, sand and gravel, and significant quantities of varying sizes of debris.

- Marine and Marsh Sediments: Intertidal and Recent fluvial deposits: consisting of fluvial and estuarine sands, silts, clays and gravels overlain by the intertidal silts, clays, salt marsh and meadow-mat deposits;

- Glacial Deposits: consisting of stratified glaciolacustrine silts, silty clays and clays, often varved (including the older Glacial Lake Bayonne and younger, Glacial Lake Hackensack deposits), and outwash sands, silts and gravels; the stratified deposits generally overlie unstratified deposits which include glacial till (Rahway Till) and pro-glacial fan-delta deposits;

- Pre-glacial Deposits: consisting of sands, gravels and silts infilling buried bedrock valleys carved by the pre-glacial, ancestral Passaic and Hackensack rivers;

Consolidated Deposits

- Bedrock: consisting of Triassic and Jurassic age, bedded, gently west-dipping, sandstones, siltstones, and conglomerates, interbedded with basalt lava flows and sills of the Newark Basin.

Geologically, the Site is located in the Piedmont Lowland physiographic province of Bergen County and is underlain by interbedded sedimentary and igneous rocks of the Triassic-Jurassic age Newark basin. The Site is situated in a lowland called the Hackensack Meadowlands, a large tidally influenced marsh drained by the Hackensack River and its tributaries, which flow south to Newark Bay. This lowland is characterized by flat topography and is underlain by the sedimentary rocks. More resistant igneous rocks form prominent northeast-trending strike ridges on either side of the lowland. Much of the original topography of the Hackensack Meadowlands was originally under several feet of tidal estuarine waters. Large portions of the estuary are now several feet above mean sea level (MSL) as a result of extensive industrialization, landfilling and reclamation, and construction of major roadways, including the New Jersey Turnpike. The regional geology is illustrated in Figure 3.

The topography and surficial geology in the vicinity of the Site is largely a reflection of man-made fill underlain by unconsolidated deposits related to the Wisconsinan stage glaciation, which reached its maximum extent approximately 20,000 years ago during the Pleistocene Epoch (Stanford et al. 1993). Modern day, tidally influenced stream valleys have cut meandering channel networks within the lowlands and a vast array of narrow mosquito-abatement drainage trenches and ditches were cut into the surficial meadow mat during the early historical development of the Meadowlands (USEPA, 1993, Dames and Moore, 1989).

Bedrock outcrops are quite rare in the lowland where an extensive mantle of unconsolidated glacial deposits is present. The terminal Wisconsinan moraine, which was located about 20 miles south of the Site in Essex, Hudson and Monmouth counties, has influenced the development of geologic conditions underlying the Site. As the glaciers advanced south, existing drainage courses were modified by glacial erosion and deposition and locally blocked by ice, forming glacial lakes. Deep scoured pre-existing bedrock valleys were infilled by the glacial deposits to the west of the Site. The north-south running Kenilworth bedrock valley was scoured down into bedrock to a depth of 250 feet below MSL and the Overpeck bedrock valley, trending almost parallel with the New Jersey Turnpike and the present day Hackensack River, is as much as 200 feet deep. The bedrock surface rises from these valley axes to a gently undulating, glacially smoothed interfluve surface that

underlies most of the New Jersey Sports Complex and adjacent areas, including the Site. In some cases, the bedrock surface may locally rise to within 10 feet of the present grade, or break through the lowland as isolated "islands", such as Laurel Hill. In the area of the Site, the bedrock occurs at an elevation of approximately 30 feet to 60 feet below MSL. An almost continuous mantle of glacial till overlying the bedrock shows that the buried bedrock valleys, and the broad intervening interfluves were present prior to glaciation.

During the final, northward retreat of the glacial ice sheet, proglacial lakes dammed behind the terminal moraine inundated the lowlands. Glacial Lakes Hackensack and Bayonne formed about 15,000 years ago, at which time varved clays accumulated as seasonal lacustrine sediments locally up to 200 feet thick (Parillo, 1959, Stanford et al. 1995). Along the margins of these lakes, coarser grained silts, sands, gravels and occasional boulders were shed into the varved sediments from the surrounding ridges and dropped by floating icebergs. Glacial Lake Hackensack drained into the Atlantic Ocean about 10,000 years ago when the terminal moraine was breached, leaving behind a vast, featureless lowland (Averill. et al. 1980).

About 4000 years ago, rising sea level and resultant marine incursions into northern New Jersey converted the lowlands into a vast salt marsh and tidal-flat, drained by the present day Passaic, Hackensack and Rahway Rivers

2.5 Regional Hydrogeology

Groundwater in this part of New Jersey is obtained from bedrock and the overlying unconsolidated deposits. The unconsolidated aquifers consist of both Recent and Holocene age fluvial deposits, and the underlying glacial deposits. Bedrock aquifers are generally confined by the overlying mantle of unconsolidated deposits. The fluvial deposits, and the glacial deposits form unconfined, semi-confined, and locally confined aquifers. The extent and thickness of discrete water-producing beds within the bedrock aquifer are generally controlled by secondary porosity such as joints, bedding planes and an assortment of other fractures. The hydraulic properties of the bedrock aquifers have been described in detail by Herpers and Barksdale (1951). Groundwater flow is generally associated with the more fractured units (i.e., shales, arkoses and sandstones) separated by massive, less fractured units (i.e., mudstones, siltstones and claystone).

The glacial deposits are divided into stratified and unstratified deposits and can form productive aquifers. The glacial deposits consist of boulders, gravel, sand, silt, and clay largely derived from the local bedrock. Glacial tills, when present, generally serve as confining beds to the underlying bedrock. In deeper portions of the glacially scoured bedrock valley, glacial aquifers are developed in the pre-glacial valley fill deposits which consist of moderately- to well-sorted silts, sands and gravels, having been transported by glacial meltwater streams.

Overlying these older glacial deposits are the stratified glaciolacustrine sediments consisting of laminated (varved) clays, silts, very fine-grained sands and occasional gravel. The lacustrine sediments may be described as regional confining beds. Sand and gravel deposited as deltas and fans in the glacial lakes may also locally overlie lake-bottom sediment, resulting in surficial, unconfined glacial aquifers. Recent age overbank flood plain silts and clays, and laterally discontinuous silts and clays of short-lived proglacial lakes may also locally act as confining beds.

The Site is located in a broad area of low relief at altitudes near sea level with gentle groundwater gradients. In these lowland areas, gradients in the bedrock are upward as discharge to surface water bodies is dominant. The site is approximately equidistant from the Hackensack and Passaic Rivers, which are tidally influenced, as are two other streams in the vicinity of the Site, Berry's Creek and Peach Island Creek.

Water is stored in and transmitted through secondary porosity in the bedrock, which generally has some preferential alignment. For example, drawdowns were observed in an observation well 2,400 feet from a pumped well in a direction parallel to the strike of the beds, whereas no distinct drawdown was evident in observation wells 600 feet from a pumped well in a direction transverse to the strike (Carswell, 1976). Similar anisotropism of the Passaic Formation has been documented by Vecchioli (1967) and Vecchioli et al. (1969). Their pumping test data indicated that the direction of the highest permeability and of the movement of water in response to pumping characteristically parallels the strike of the beds.

Estimates of the thickness of the groundwater producing zone has been based on drilling records and on the observation that when a well has not successfully tapped a water-yielding zone in the first 400 feet of drilling, water-yielding zones are not likely to be penetrated by drilling deeper. In

lowland areas where discharge is dominant (e.g., the area of the Site), hydraulic heads generally increase with depth and flow is upward in wells. In some wells, water may flow at the surface.

2.6 Interim Remedy Groundwater Monitoring

The Operations and Maintenance Plan (O&M Plan) for OU-1 requires ongoing monitoring of the groundwater and surface water conditions at the Site. Groundwater levels inside and outside the slurry wall are monitored quarterly; and shallow groundwater outside the slurry wall and select till wells are analyzed regularly as is surface water from Peach Island Creek.

Information on water levels and shallow groundwater monitoring data was submitted to USEPA subsequent to the Off-Property Investigation Report (September 2007) on November 26, 2007. At the request of USEPA, this OU-1 related information has been incorporated herein. Appendix G presents the Interim Remedy Groundwater Monitoring Results since 1995 and Appendix H presents the Interim Remedy Hydrographs. A summary of monitoring events is included in Table 3d.

Water Levels

Shallow monitoring wells are situated both on and off property. Water levels within the slurry wall are monitored in piezometers P-2, P-3, P-4, P-5, P-6, P-8, P-9R and P-14. Water levels in the adjacent fill, outside the slurry wall, are monitored in piezometers P-10 and P-11 and in monitoring wells MW-8S, MW-9S, MW-10S, MW-11S and MW-12S. Groundwater has been lowered on the average by more than 3 feet within the Fill Area since OU-1 groundwater extraction commenced in mid-June, 1992 and the data indicate that inward gradients across the slurry wall have been maintained, except along Peach Island Creek where the gradient is towards the creek. These data suggest that the slurry wall, in conjunction with the infiltration barrier and groundwater extraction system, is maintaining hydraulic control.

Analytical Results

Shallow groundwater constituent concentrations outside the wall were monitored quarterly from 1992-1999 and annually since 2000 as approved by USEPA. The samples are analyzed for the Contract Lab Program (CLP) analyte list which comprises the Target Compound List (Volatile Organic Compounds [VOCs], Semi-Volatile Organic Compounds [SVOCs] and pesticides and polychlorinated biphenyls [PEST/PCBs]) and the Target Analyte List (metals and cyanide).

VOCs

Appendix G provides the measured VOC concentrations, in µg/L, taken from off-site shallow fill monitoring wells since 1995. Trace levels of VOCs have been sporadically detected in the shallow fill monitoring wells with the vast majority of the detections low levels of methylene chloride and acetone. Methylene chloride and acetone are common laboratory contaminants and have also historically been detected in the blanks. Since 1995, there have been only been thirteen exceedences of the New Jersey Groundwater Quality Standards (GWQS) for a Class II-A aquifer[2] of which six were due to methylene chloride. There have been no exceedances since 2004.

SVOCs

Low levels of SVOCs have been detected in the shallow groundwater since 1995 with the largest proportion detected in MW-9S. Of these detected constituents, there have been only two compounds that exceed of the New Jersey Groundwater Quality Standards (GWQS) for a Class II-A aquifer: 0.2 ppb of Benzo(a)pyrene was detected in MW-11S in November, 2001, and Bis (2-ethylhexyl) Phthalate was detected in four events at a maximum concentration of 7 µg/L.

Pesticides/PCBs

There were no detections of PCBs. Trace levels of pesticides were sporadically detected in groundwater with only two exceedences of NJ GWQS (beta-BHC in MW-8S in November 1997 and November 2001).

Inorganics

Inorganics were consistently detected in samples collected from the fill monitoring wells. Overall, the levels of inorganics fluctuated from year to year with no clear increase or decrease over time. Based on the latest round of samples in 2007, aluminum, iron and manganese exceeded the GWQS in all wells. Arsenic, chromium, lead, nickel, and sodium exceeded the NJ GWQS in at least one well. The inorganic results reflect the nature of the fill material and are unlikely to be site-related considering the lack of site-related organics in the same monitoring wells.

[2] Class II-A standards are referred to here for comparison purposes only. Class II-A is effectively the most stringent standard and the hydrogeologic setting of the shallow fill is such that less stringent Class III-B standards would likely apply.

3.0 OFF-PROPERTY INVESTIGATION FIELD WORK

The most recent Off-Property investigation field work was conducted in two phases: (1) monitoring well installation and development including profile sampling using packer equipment to isolate discrete intervals for subsequent well installation and sampling and (2) groundwater sampling and analysis including monitored natural attenuation parameters. Three till monitoring wells (MW-24D, MW-25D, and MW-26D) and four bedrock wells (MW-24R, MW-25R, MW-27R, and MW-28R) were installed. The well installation field work commenced on March 19, 2007 and was completed on June 14, 2007.

A limited round of groundwater sampling was conducted in December 2006 (wells MW-19D, MW-19R, MW-20D, and MW-20R) and a site wide round of groundwater sampling was conducted from all existing and newly installed till and bedrock wells in June – July 2007.

Drilling and well installation services were provided by New Jersey licensed drillers from AmeriDrill, Inc. of Levittown, Pennsylvania. Laboratory services were provided by CompuChem Laboratories, Inc. of Chapel Hill, North Carolina for the site wide groundwater sampling event. Microseeps of Pittsburg, Pennsylvania provided analysis of methane, ethane and ethane (MEE). Severn Trent Laboratories (STL) of Edison, New Jersey provided analysis of the groundwater samples collected during the profile sampling at locations MW-24R and MW-27R. Surveying services were provided by James M. Stewart of Philadelphia, Pennsylvania.

3.1 Monitoring Well Installation

Figure 2 illustrates the location of the monitoring wells and Table 1 summarizes the well construction details. Appendix A includes boring and well installation logs and the New Jersey Department of Environmental Protection (NJDEP) Well Certifications-Form A (As-Built Certification) and Form B (Location Certification) for the new wells installed in 2007.

The following sections summarize the procedures used to drill, install, and develop the monitoring wells.

3.1.1 Drilling Program

The drill rig, augers and drill stem, rig tools, packer testing equipment and well materials were thoroughly steam-cleaned upon arrival on-Site, between each borehole, and prior to leaving the Site, with potable water obtained from a city water main located on-site. A temporary decontamination pad was used to contain water generated from the steam cleaning operations. The water generated from the steam cleaning was transferred to the on-site 10,000 gallon holding tank for subsequent off-site disposal. Drill cuttings, and mud generated from the steam cleaning, were placed into DOT approved 55-gallon drums at the well site and then transported on-Site. The contents of the majority of these drums were then transferred to a plastic lined steel 20 cubic yard dumpster for storage and subsequent characterization and disposal.

Bedrock Monitoring Wells

The boreholes for the bedrock monitoring wells were advanced in several stages. First, a 12-inch diameter borehole was advanced a minimum of one foot into the glaciolacustrine varved clay unit (confining unit) using hollow stem auger drilling techniques. For wells MW-25R and MW-28R, an 8-inch diameter steel casing was then driven a minimum of one foot below the drilled borehole. For wells MW-24R and MW-27R, a 14-inch diameter borehole was advanced into the glaciolacustrine varved unit and a 10-inch diameter steel casing was driven a minimum of one foot below the drilled borehole. The annulus between the borehole and the casing was grouted using cement-bentonite grout placed using the tremie method. A mud balance was used to determine the target density of the mixture; densities between 13.4-14.5 lbs/gal were achieved. After the grout was allowed to set a minimum of 24 hours, hollow stem augers (HSA) were used to drill through the remaining portion of the glaciolacustrine varved clay unit and through the underlying till to the top of bedrock. Soil samples in the overburden were taken (in general conformance with ASTM D-1586) by driving a 2-inch outside diameter (OD) split-spoon sampler, a distance of 2 feet ahead of the boring into undisturbed material to identify the formation contacts. Bedrock was then cored with an HQ diamond-bit core barrel with wireline setup. The borehole was advanced 10 feet into competent bedrock using wash rotary drilling techniques. A 7-5/8-inch rotary bit was used to ream out the hole drilled by the HSA and HQ core through the glaciolacustrine varved clay unit, glacial till units and into bedrock using wash rotary drilling techniques. A 4-inch steel casing was then set in the top 10 feet of competent rock and the casing was grouted using cement-bentonite grout using the tremie method. A minimum of twelve hours after the 4-inch steel casing was installed, the next 10 feet of bedrock was cored with a HQ diamond-bit core barrel with wireline setup. Five to ten-foot

(depending on the rock quality) core runs through the bedrock were conducted to complete the well drilling.

For wells MW-24R and MW-27R, a 6-inch steel casing was set in the top 10 feet of competent rock and the casing was grouted using cement-bentonite grout using the tremie method. A minimum of twelve hours after the 6-inch steel casing was installed, the next 50 feet of bedrock was cored with a HQ diamond-bit core barrel with wireline setup. Five to ten-foot (depending on the rock quality) core runs through the bedrock were conducted. A 7-5/8-inch rotary bit was used to ream out the hole after coring using wash rotary drilling techniques.

Groundwater profile sampling using inflatable straddle packers to isolate discrete intervals was conducted within the cored sections of MW-24R and MW-27R to assess groundwater quality at various depths and to select well screen depths. Five intervals were sampled in MW-24R (58-68 ft bgs, 68-78 ft bgs, 78-88 ft bgs, 88-98 ft bgs, and 98-108 ft bgs). Based on the variable competency of the bedrock in MW-27R, three intervals were sampled (75-95 ft bgs, 98-108 ft bgs, and 112-125 ft bgs). A combination of transducers and water level probes were placed above, within, and below the isolated interval to confirm that the assembly had a tight seal along the borehole wall. The sample interval was then purged and sampled using a decontaminated submersible pump with Teflon lined tubing. Field parameters were recorded during purging of the isolated interval. The field parameters consisted of pH, temperature, specific conductivity, oxidation-reduction potential (ORP), dissolved oxygen, and turbidity. A minimum of three interval volumes were purged from each zone prior to sample collection. Due to a significant loss of water encountered while drilling the 112-113 ft bgs interval in MW-27R, the 112-125 ft bgs packer test interval was sampled after three interval volumes and four interval volumes on April 13, 2007, and a further sample was collected on April 24, 2007 after purging approximately 1,500 gallons (an amount approximately equal to the amount of water lost during drilling). Each sample collected was analyzed for TCL VOCs with a 24-hour turn-around-time (TAT) by STL-Edison. The results are presented in Table 2.

Based on the sampling results, a 10-foot screen was placed in the most contaminated zone within MW-24R. Since only low detections of VOCs were recorded throughout the bedrock at MW-27R, the 10-foot screen was placed in the uppermost interval. Golder Associates consulted with USEPA on packer test results and agreed on the screen interval locations prior to well completion.

Till Monitoring Well

The boreholes for till monitoring wells MW-24D, MW-25D, and MW-26D were advanced in several stages. Hollow stem augers (HSA) were initially used to install 8-inch diameter outer steel casing into the glaciolacustrine varved clay unit (confining unit). The casing was grouted in place as described above. HSA were then used to advance the boring to top of bedrock. The boreholes were continuously sampled with split spoons advanced 2 feet ahead of the auger. Wash rotary methods were then used to ream out the borehole to 7-5/8-inch. The natural mud from the formations was used as the drilling fluid during wash rotary drilling.

3.1.2 Well Installation

Wells MW-25R and MW-28R were completed as open bedrock boreholes lined with a 10-foot section of 0.010 inch (No. 10 slot), 2-inch diameter well screen (i.e., no sand pack), and 2 inch stainless steel casing.

Subsequent to groundwater profile sampling, MW-24R and MW-27R were constructed with 2-inch ID, 304 stainless steel threaded casing and a 10- foot section of 0.010 inch (No. 10 slot) screen with watertight joints.

Till monitoring wells MW-24D, MW-25D, and MW-26D were constructed with 4-inch ID, 304 stainless steel threaded casing and screen with watertight joints. The well screen slot sizes were 0.010 inch (No. 10 slot).

All wells were completed as flushmount installations. The subsurface lithology and construction details of each well were discussed with and approved by USEPA prior to completion.

3.1.3 Well Development

Each overburden well was developed using a combination of pump and surge techniques. Bedrock wells were developed by pumping only, without the use of a surge block. The development procedure generally involved pumping one well volume and then hand surging for approximately five minutes. This procedure was repeated until no further significant improvement was observed through the monitoring of field parameters (turbidity, pH, and conductivity) of the extracted water. A minimum volume equivalent to three times the volume of water lost in the borehole during coring was removed from the bedrock wells during well development.

Development water was contained and allowed to settle prior to transfer into the on-site 10,000 gallon holding tank for subsequent off-site disposal.

3.2 Groundwater Sampling

A comprehensive round of groundwater sampling was conducted in June and July 2007 from all existing and newly installed till and bedrock wells[3]. Samples were analyzed for TCL VOCs and semi-volatile organic compounds (SVOCs), 1,4-dioxane (for select wells) and monitored natural attenuation parameters[4]. A Sampling and Analysis Summary is provided in Table 3 and sampling locations are shown on Figure 2. A synoptic round of groundwater elevation data was also collected and is provided in Table 4. The sampling procedures are further described below.

In accordance with NJDEP procedures, wells were not sampled until at least two weeks after development. Well purging and sampling utilized the low flow purge and sampling technique in conformance with the updated SOP (Appendix B). Water was purged from each well prior to sampling using a stainless steel Grundfos Redi-Flo 2 submersible pump. Prior to purging and sampling each well, the submersible pump was decontaminated following the procedure set out in the SOP (Appendix B). Dedicated Teflon lined polyethylene tubing was installed in each of the new monitoring wells. The pump was carefully lowered down each well to the approximate mid-point of the screened interval, taking care to keep the submersible pump from resting on the bottom of the well so as to minimize the disturbance of any sediment. The discharge tubing was connected to a flow-through cell for monitoring indicator parameters.

The submersible pump was used to purge and sample water from the well at low flow rates (approximately 100-500 ml/min. depending on the well yield). Temperature, pH, eH, specific conductance, turbidity, and dissolved oxygen were monitored continuously as indicator parameters. In addition, water levels were continuously monitored. A summary of field parameters is presented in Appendix C. Once the indicator parameters stabilized (water level drawdown stable and <0.3 feet; pH ± 0.1; Specific Conductance and temperature within ±3%; dissolved oxygen and turbidity within ±10%; and ORP/Eh ±10 millivolts) for three consecutive readings, and a minimum of one volume of

[3] Monitoring wells MW-19D, MW-19R, MW-20D and MW-20R were sampled for TCL VOCs plus 1,4-dioxane in December 2006. These data were collected to assist in determining the number and locations of additional downgradient wells north of the site.

[4] At USEPA's request updated QAPP tables, groundwater sampling procedures, analytical methods and validation procedures were developed to bring the previously approved QAPP into line with current Agency guidance. This supplementary QAPP information was provided to USEPA in June 2007 and is provided in Appendix B.

the tubing had been removed, the well was considered adequately purged and ready to be sampled. The tubing was then disconnected from the flow-through cell and the samples were collected directly from the dedicated tubing.

All water generated during purging was collected and transferred into the on-site 10,000 gallon holding tank for subsequent off-site disposal.

3.3 Analytical Testing and Validation

Groundwater samples were analyzed for TCL VOCs and SVOCs, 1,4-dioxane and natural attenuation parameters. Specific conductance, temperature, pH, eH, dissolved oxygen, turbidity, and ferrous iron were measured in the field by Golder Associates' personnel.

Strict quality assurance and quality control (QA/QC) measures were taken to ensure sample integrity and to maintain confidence in the resultant data as described below:

Sampling Techniques: Dedicated Teflon lined polyethylene tubing for all monitoring wells and rigorous decontamination of the submersible pump in accordance with the Standard Operating Procedure (SOP) (Appendix B).

Sampling Containers: The container type, size and preservation were as specified in the revised Quality Assurance Project Plan (QAPP) tables for compatibility with the sample media and analytes (Appendix B).

Samples: Quality assurance and control samples were taken during sampling consisting of:

- Rinsate Blank (RB) - one rinsate blank per day of groundwater sampling (RBGW062507 etc.) was collected and analyzed for TCL VOCs and SVOCs plus 1,4-dioxane parameters;
- Trip Blank (TB) - one trip blank per day was submitted for TCL VOC analysis;
- Field Duplicate – duplicate samples were taken at a frequency of one per 20 samples and analyzed for TCL VOCs and SVOCs plus 1,4-dioxane and natural attenuation parameters; and,
- Matrix Spike/Matrix Spike Duplicates (MS/MSD) - MS/MSD samples were prepared in triple volume at a frequency of one per 20 samples.

Documentation: Documentation of the sampling event consisted of chain of custody forms and field sampling logs/Sample Information Collection forms.

The laboratory analytical data was validated in accordance with the appropriate USEPA Region II SOP as outlined in Appendix B. Narratives discussing the results of the data validation are included as Appendix D. The discrete interval (Packer Test) analytical results were also subject to a basic QA/QC review and confirmed to be of suitable quality for the purposes of evaluating well screen locations.

4.0 OFF-PROPERTY INVESTIGATION RESULTS

4.1 Site Geology

The subsurface interpretation presented herein is based on the results of previously completed investigations at the Site and off-property (Dames and Moore, 1989, 1990; Golder, 1995, 1997a, 2003, and 2005) combined with additional data recently obtained. The stratigraphy at the Site consists of the following units, from youngest to oldest:

1. Man-Made Fill;
2. Marine and Marsh Sediments;
3. Glaciolacustrine Varved Deposits;
4. Glacial Till; and
5. Bedrock.

A brief description of each geologic unit is provided below, a conceptual block diagram of the Site geology is presented as Figure 4, and geological cross-sections are presented on Figures 5 and 6.

4.1.1 Man-Made Fill Unit

The unit directly underlying the Site area consists of miscellaneous man-made fill material. The fill thickness varies between about 3 feet in some areas up to about 10 feet near Paterson Plank Road. The fill consists of a heterogeneous mixture of soil and substantial quantities of varying sizes of construction and demolition debris, including asphalt, steel girders, wire, concrete blocks, bricks, timber, etc. The variable composition results in a highly erratic response to split spoon penetration as shown by the variation in the Standard Penetration Test (SPT) blow counts.

4.1.2 Marine and Marsh Unit

A “meadow mat” of peat, organic silt and clay intermixed with sand is the youngest natural material underlying the Site. The upper peat layer is intermittently present, ranging up to as much as 4 feet in thickness. The varying thickness of the peat layer may be due to localized scouring by modern-day streams, or previous Site operations or uneven loading during placement of the fill, leading to lateral displacement of the material. SPT blow counts are highly variable, ranging from no resistance to as much as 15 blows/ft where sand stringers are present within the unit.

The base of the peat unit presents a sharp, well-defined contact with an organic gray fine-sand, and silt layer that is correlatable with similar deposits across the Hackensack and adjacent lowlands. SPT blow counts range from 5 to as much as 26 in sandier portions or where the layer grades downward into gravel-bearing interbeds. It is distinguished from the overlying peat unit by color, texture, and a highly mottled character.

4.1.3 Glaciolacustrine Varved Unit

The youngest glacial deposits intercepted are of glaciolacustrine origin, herein referred to as the glaciolacustrine varved unit. The glaciolacustrine varved unit at the Site can be correlated with the varved silts and silty clays of Glacial Lake Hackensack, although the lower portions may belong to the Glacial Lake Bayonne stage (see Stanford and Harper, 1991). This unit has been broadly subdivided into the following horizons:

a. An upper, stiff to medium stiff, bedded, varved horizon, which is significantly sandier than the lower horizon. This horizon also displays distinct banding with stringers and intercalations of silty sand and silt.

b. A lower, very soft to soft, highly plastic clayey horizon. This horizon consists of a clayey silt to massive clay, wherein the varved nature is more difficult to recognize because of the higher clay content.

The boundary between these two horizons is sharp, recognizable by a marked drop in the SPT blow counts when the lower horizon is encountered. Additionally, the upper horizon is generally lighter reddish brown in color with local variegated tones that may be grayish, brownish gray or gray with distinct alternating seams and stringers of fine sand and silt. The lower horizon is characteristically brown, brick red to purple in color and is characterized by silty clay and clay. At several locations, a basal sand and gravel intercalation has been reported, and at MW-2D a local zone of silty-sand with trace gravel was encountered in the middle portion of the varved unit.

Based on a review of the published literature, the elevation across the Site, and their lithologic character, the two horizons may be considered to be different facies of glaciolacustrine deposition (Stanford, 1994), and/or the result of weathering and desiccation of the upper zone of glaciolacustrine deposits in the Hackensack lowlands (Averill et al. 1980, Argon, 1980, Harris, 1972).

The glaciolacustrine unit ranges in thickness from 0 feet (south corner of the Site) to over 20 feet. The geotechnical properties, particularly the SPT blow counts, are distinctly different between the two horizons. SPT blow counts in the lower horizon are generally below 2 blows/ft. The upper horizon is generally stiffer, with blow counts as high as 28, indicating a generally coarser texture with intercalated seams of silt and sand, and possibly desiccation (see Averill et al. 1980, Harris, 1972). No evidence of desiccation was noted during the present subsurface investigation, other than the variegated coloration mentioned above.

4.1.4 Glacial Till Unit

Informally correlated with the Rahway Till (Stanford et al, 1994), this unit consists of a heterogeneous mixture of red, yellow-brown, reddish-brown, and reddish-gray clay, silt, sand, and gravel. At most locations (see Figures 5 and 6), a softer glacial till has been recognized to overlie a much harder, overconsolidated glacial till. The softer till horizon was not intercepted in the boreholes northwest of the Site (MW-15D and MW-19D). The overconsolidated glacial till is a distinct horizon that is characteristic of a basal, lodgement till (see Lutenegger et al. 1983; Averill et al. 1980) which was found to be generally continuous across the Site. This till appears to thin in areas west of the Site and was absent in RMW-12D. SPT blow counts are generally greater than 50 in the basal lodgment till. The softer till displays significantly lower blow counts, typically 20 to 30.

Based on the above observations, the glacial tills beneath the Site can be subdivided as follows:

a. The upper horizon is herein informally called the *Soft Till* and ranges in thickness from 0 to 17 feet; and

b. The overconsolidated lower horizon is called the *Lodgement Till* and ranges in thickness from 0 to 30 feet.

The Lodgement Till displays a composition similar to the bedrock, with clasts entirely composed of the underlying siltstone or sandstone, set in a clayey silt or silty clay matrix. In the Soft Till, however, the clasts may also include metamorphic rock fragments such as quartzite and gneiss and occasional well-rounded to subrounded quartzite gravel.

4.1.5 Bedrock Unit

The bedrock beneath the Site area has been assigned to the siltstone-mudstone-sandstone facies of the Passaic Formation (Parker, 1994) and has been intercepted by numerous boreholes including coreholes that have been sampled and logged. Bedrock consists of fining-upward sequences of intercalated massive siltstone and mudstone and laminated siltstone with occasional interbeds of micaceous, fine to medium grained sandstone. The bedrock is brick red, reddish brown or brown in color, and this coloration dominates all overlying glacial deposits. Rhythmic cycles of gray bed sequences 10 to 20 feet thick or "Van Houten Cycles" (Olsen, 1980) occur sporadically throughout the lower portions of the core samples. The regional strike trend of the Passaic strata in northern New Jersey is northeasterly with a north-westerly dip.

Distinctly cross-bedded and ripple laminated, fissile siltstone horizons occur dispersed throughout the Passaic unit. Nodules of carbonate (dolomite and calcite) are common throughout the mudstones and siltstones, and in the latter, bedding plane partings and hairline fractures are commonly coated with carbonate deposits. Discrete beds bearing the carbonate material have been selectively dissolved away, resulting in poor rock quality (reflected in RQD indices less than 15%). These horizons with open cavities where the carbonate material has been dissolved serve as water-bearing zones in the bedrock. Vecchioli (1965) also discussed the importance of intersecting bedding plane joints (partings) with vertical joints transecting the various water-bearing zones of the Passaic strata to the amount of water present. Much of the cored intervals of the bedrock are vug filled due to the dissolution of sparry calcite and gypsum deposits. The interbedded, cyclical red mudstone and siltstone contain authigenic, sparry gypsum and calcite deposited under semi-arid conditions. These horizons likely form locally highly conductive, tabular, and bedding-parallel groundwater flow zones resulting from the dissolution of the sparry minerals by weakly acidic ground water moving through irregular, interconnected networks of secondary pores.

Joints measured in sparse outcrops in this portion of Bergen County trend N10°E and N65°W and are subvertical and vertical in orientation and parallel with bedrock strike and sub-parallel with the dip direction, respectively. Very few vertical fractures have been intercepted in the off-Property boreholes although a few steeply dipping fractures were intercepted by the coreholes and indeed much of the observed bedrock discontinuities were bedding plane partings or dissolution enhanced, vuggy intervals of reddish siltstone and mudstone. Some of the vugs are infilled with secondary

minerals. Occasionally fractures at angles with the bedding plane have also been intercepted. Bedrock dips in this part of the Weehawken Quadrangle are gentle, and generally range from 15 degrees to 10 degrees northwesterly. In all the rock cores collected, bedding plane dips were determined to be essentially sub-horizontal and may be less than 10 degrees to the northwest.

4.2 Site Hydrogeology

Site investigations have included multiple rounds of continuous water level monitoring of several till and bedrock monitoring wells. During the 1996 investigation continuous water levels were also monitored synoptically in a stilling well located in Peach Island Creek. Hydrogeologic testing (packer and slug) was also performed on all the wells installed as part of the 1996 investigation, including six till monitoring wells and four bedrock monitoring wells. Relevant results from these studies (Golder, 1997a; 2003) are summarized below:

- There was generally a seven-day cycle of fluctuations in water level for all till and bedrock monitoring wells. A weekly high was recorded on Mondays and lows were recorded on Fridays/Saturdays, indicating that water levels are influenced by extraction wells operating during the week and idling on the weekends. Groundwater observations indicate that flow direction can vary over a wide range (Figure 7). This variability is apparently due to anthropogenic influences in the area, coupled with the low natural hydraulic gradients. Variations in pumping rates from different pumping centers can relatively easily overcome the low natural hydraulic gradients to affect groundwater flow direction. A well survey[5] based on NJDEP records identified pumping wells in several locations in the vicinity of the site. One cooling water pumping well in particular, located about 2,300 feet from the Site along strike, with a relatively high yield of 250 gpm, and may induce hydraulic gradients in a northerly direction. It has been shown that drawdown from pumping wells along strike within the bedrock formation can be significant at distances of 2,400 feet (Carswell, 1976). Thus, impacts could potentially occur at the Site, and in particular, at well MW-20R, which is only 1,750 feet from the pumping well.

- There was an approximate 12-hour fluctuation cycle in several of the till monitoring wells and all bedrock monitoring wells. During the 1996 investigation, these fluctuations coincided with fluctuations observed from the stilling well located in Peach Island Creek. These 12-hour fluctuations reflect tidal influence that do not appear to affect the predominant groundwater flow directions.

- Horizontal hydraulic gradients averaged approximately 0.001 ft/ft for the till unit and 0.0006 ft/ft in the bedrock unit in 1996. The 1998 continuous water level data encompassed two distinct periods during the week and during a four-day holiday weekend. During the weekend, horizontal gradients were approximately 0.0003 ft/ft, and were approximately 0.0004 ft/ft during the week, when pumping was active. The 2002-

[5] Results of this survey are presented in the May 2003 Off-Property Groundwater Investigation Report and the June 2005 Addendum Report.

03 data indicated more variable and higher gradients, possibly related to the generally higher water levels present. Horizontal hydraulic gradients in 2002-2003 ranged from 0.0002 ft/ft to 0.0008 ft/ft.

- During the 1996 investigation, vertical hydraulic gradients between the till and bedrock well clusters were variable; some well clusters indicated slightly upward gradients and slightly downward gradients at different times, others indicated slightly downward gradients for most or all of the monitoring period. The 1998 investigation indicated vertical gradients become slightly more downward during the pumping period, consistent with the presence of an off-site pumping source located in the bedrock unit. Vertical gradients from the till to the shallow bedrock ranged from 0.0005 (upward) to 0.030 (downward) when pumping was absent, and from 0.002 (downward) to 0.032 (downward) during the pumping period.

- Hydrogeologic testing conducted in 1996 resulted in till hydraulic conductivities ranging from 3.2×10^{-6} centimeters per second (cm/s) at location MW-10D to 7.1×10^{-4} cm/s at location MW-16D with a geometric mean value of 7.0×10^{-5} cm/s. The bedrock hydraulic conductivities ranged from 3.1×10^{-5} cm/s at location MW-8R to 1.2×10^{-2} cm/s at location MW-11R with a geometric mean value of 4.3×10^{-4} cm/s.

- Estimates of the average linear groundwater flow velocity in bedrock range from 0.0049 ft./day (1.8 ft./year) to 0.020 ft./day (7.2 ft./year). It should be noted that the linear velocity predicted in this way is based on an assumed uniform porous medium and may not accurately predict actual velocities within the bedrock units, which are likely to be fracture-controlled.

- Groundwater flow contour cross-sections were constructed for the 1998 conditions of weekday (pumping present) and weekend (pumping absent), and for the 2002-2003 investigation (Figure 8). All figures indicate downward hydraulic gradients in the till (confining unit), and primarily horizontal hydraulic gradients in the bedrock (relatively more transmissive zone). The 2002-2003 data show that the deeper bedrock well MW-23R is generally at a higher potentiometric level than the adjacent shallow bedrock well MW-13R, indicating upward gradients from the deeper to the shallow bedrock. This is consistent with USGS findings.

A further synoptic round of water levels was collected from all till and bedrock wells in June 2007 (Table 4). These data were used to construct a groundwater contour map (Figure 7) and a hydrogeologic cross-section (Figure 8). The data collected and presented on these Figures is consistent with the findings from the previous investigations.

4.3 Groundwater Analytical Results

Groundwater chemistry data is presented in Appendix E and recent data is discussed below, followed by an evaluation of historic tends. A summary of the recent data is provided in Tables 5a (till wells) and 5b (bedrock wells). The groundwater data was compared to the New Jersey Class IIA

Groundwater Quality Standards (GWQS). Exceedances for VOC constituents for which criteria are available are shown on Figures 9 (till unit) and 10 (bedrock unit).

4.3.1 December 2006 Sampling Event

During the December 2006 sampling event, VOCs were not detected above the GWQS in MW-19D and MW-20R. In MW-19R and MW-20D, VOC exceedances totaled 165 ug/L and 644 ug/L, respectively. PCE and TCE comprised 89% of the exceedances in MW-19R. PCE, TCE, and cis-1,2-dichloroethene (cis-DCE) comprised 89% of the exceedances in MW-20D.

1,4-Dioxane was not detected in samples collected from MW-19D and MW-20R. 1,4-Dioxane was detected in samples collected from MW-19R (4 ug/L) and MW-20D (6.3 ug/L).

4.3.2 June-July 2007 Sampling Event

4.3.2.1 Till Wells

During the June – July 2007 sampling event, VOCs were not detected above the GWQS in eight of the seventeen till wells (RMW-8D, RMW-11D, RMW-12D, MW-17D, MW-18D, MW-19D, MW-22D, and MW-26D). In the remaining nine till wells, there was only one constituent exceedance in wells MW-7D and MW-24D (TCE at concentrations of 3.7 ug/L and 2.8 ug/L, respectively); and two exceedances in well MW-14D (TCE and Vinyl Chloride at concentrations of 8.7(J) ug/L and 1.2 ug/L, respectively). For the remaining six monitoring wells, VOC exceedances ranged from 30.9 ug/L in MW-25D to 5,966 ug/L in on-Property monitoring well MW-5D.

The total VOC exceedances in MW-5D, RMW-13D, MW-16D, MW-20D, and MW-25D are 81 to 88% comprised of PCE, TCE, and cis-1,2-dichloroethene (cis-DCE). In MW-21D, VOC exceedances of benzene and 1,1-dichloroethane (1,1-DCA) comprise 98% of the total exceedances.

Analysis for 1,4-Dioxane was conducted on nine of the seventeen till wells sampled during this event (MW-5D, RMW-8D, RMW-12D, RMW-13D, MW-17D, MW-21D, MW-24D, MW-25D, and MW-26D). 1,4-Dioxane was not detected in the samples collected from MW-16D and MW-19D and ranged in concentrations from 0.47 (J) ug/L (MW-24D) to 5.3 ug/L (MW-17D) for eight out of the other nine samples. The highest concentration of 1,4-Dioxane was detected in MW-21D (2,800 ug/L) located on the upgradient side of the Site.

Semi-volatile organic compounds (SVOCs) were not detected in fourteen of the seventeen till monitoring wells (MW-5D, MW-7D, RMW-11D, RMW-12D, RMW-13D, MW-14D, MW-16D, MW-17D, MW-18D, MW-19D, MW-20D, MW-22D, MW-24D, and MW-26D) and were not detected above the GWQS in MW-21D. Only bis(2-ethylhexyl) phthalate was detected in RMW-8D (7 [J] ug/L) and MW-25D (4 [J] ug/L) at concentrations slightly above the GWQS (3 ug/L).

4.3.2.2 Bedrock Wells

During the June – July 2007 sampling event, VOCs were not detected above the GWQS in six of the eleven bedrock wells: MW-8R, MW-14R, MW-20R, MW-25R, MW-27R, and MW-28R. Low levels of VOCs were detected in MW-11R, 19R, 23R, and 24R, which slightly exceeded the GWQS. The only exceedances in MW-11R, MW-19R, MW-23R, and MW-24R were TCE at concentrations of 7.5 ug/L, 5.7 ug/L, 1.5 ug/L, and 6.8 ug/L, respectively and PCE at concentrations of 5.6 ug/L, 1.2 ug/L, and 2.8 ug/L, in wells MW-11R, MW-19R, and MW-24R, respectively. VOC exceedances totaled 520 ug/L in MW-13R, with PCE, TCE, cis-DCE, and vinyl chloride comprising 93% of the total exceedances.

Analysis for 1,4-Dioxane was conducted on seven of the eleven bedrock wells sampled during this event (MW-11R, MW-13R, MW-23R, MW-24R, MW-25R, MW-27R, and MW-28R). 1,4-Dioxane was not detected in samples collected from MW-11R, MW-23R, MW-25R, and MW-27R. Concentrations ranged from 0.67 (J) ug/L (MW-24R) to 1.8 (J) ug/L (MW-28R) in the other three samples.

SVOCs were not detected in nine of the eleven bedrock monitoring wells (MW-11R, MW-13R, MW-14R, MW-19R, MW-20R, MW-23R, MW-25R, MW-27R, and MW-28R) and were not detected above the GWQS in one of the remaining two wells (MW-24R). Bis(2-ethylhexyl) phthalate was detected in MW-8R (7 [J] ug/L) at a concentration slightly above the GWQS (3 ug/L).

4.3.3 Temporal Trends in Data

Table 6 presents a summary of the current concentrations in comparison with historical levels. Maximum concentrations for each compound over the data record are presented, as well as the latest concentration from the 2007 sampling event, the number of exceedances of the GWQS, and the current concentration as a percentage of the historic maximum concentration. Table 6 is organized by compound family, i.e., chlorinated ethenes, chlorinated ethanes, chlorinated

methanes, and BTEX. Graphs of concentration data for wells that have exceeded GWQS are included in Appendix F.

Of the four wells identified in Sections 4.3.2 and 4.3.3 with the highest current total exceedances of VOCs, MW-5D, RMW-13D, MW-21D and MW-13R, all but MW-5D show markedly lower concentrations in chlorinated ethenes in comparison with historic maximums, with reductions in compounds that currently exceed GWQS ranging from 40% to 98%. In MW-5D, located within the property boundary, concentrations have fluctuated since September 1996 without a consistent trend: PCE has ranged from 410-1,000 ug/L, TCE from 1,800-4,100 ug/L, cis-DCE from 650-950 ug/L, and vinyl chloride (VC) from non-detect to 150(J) ug/L.

Other key observations from the trend results include (see Table 6):

- VOC concentrations in bedrock well MW-11R and till wells RMW-11D and RMW-12D have reduced nearly 100% from their historic maximums;
- Although till well RMW-13D has consistently shown exceedances for chlorinated ethene compounds, current concentrations are, on average, 92% less than historic maximums;
- 1,1-DCA has decreased by 73% since 1998 in till well MW-21D, the only well in which the standard is currently exceeded;
- For 1,1-DCE, the reductions from maximum concentrations range from 28% (MW-5D) to 100% (RMW-8D, RMW-11D, MW-11R, RMW-12D, MW-17D, MW-18D, MW-19R, MW-21D, and MW-23R);
- For 1,2-DCA, the reductions from maximum concentrations range from 23% (MW-20D) to 100% (RMW-11D, RMW-12D, MW-19R, and MW-21D);
- For chloroform, the reductions from maximum range from 5% (MW-5D) to 92% (MW-13D and MW-13R); and
- Benzene has decreased by 64% since 1998 in MW-21D, the well with by far the highest benzene concentration.

4.3.4 Natural Attenuation Parameters

This section provides an assessment of the natural attenuation processes believed to be occurring in the study area that likely explains the favorable concentration trends discussed above.

4.3.4.1 Overview of Natural Attenuation Concepts

The reduction in contaminant mass, concentration, volume, mobility or toxicity resulting from the natural attenuation of contaminants in groundwater can occur through a number of physical, chemical and microbiological processes. The dominant attenuating process within a plume depends on the particular site conditions and on the interaction of the major contaminants with other co-existent constituents.

Biodegradation of chlorinated solvents (e.g., TCE and TCA, present in the study area) can occur in three ways:

- *The chlorinated hydrocarbon acts as electron acceptor:* In this process, known as **reductive dehalogenation**, chlorine atoms are replaced sequentially with hydrogen atoms so that the degradation pathway for chlorinated ethenes is PCE degradation to TCE, TCE degradation to cis-DCE, cis-DCE degradation to VC and VC degradation the ethene. The complete reductive dechlorination of chlorinated ethenes is predominately facilitated by a few known species of microorganisms, the most important of which is *Dehalococcoides ethenogenes*. *D. ethenogenes* is the only currently known species able to degrade PCE all the way to ethene due to the presence of the enzyme vinyl chloride reductase. Reductive dehalogenation is the most important process for the natural biodegradation of highly chlorinated solvents (Wiedemeier et al., 1997), and occurs under reducing conditions (sulfate-reducing and methanogenic, and occasionally iron III- or nitrate-reducing conditions). The reductive process is dependent upon the supply of molecular hydrogen that is produced by microorganisms that degrade other sources of organic carbon (which may include BTEX compounds) present in the subsurface;

- *The chlorinated hydrocarbon acts as electron donor (**aerobic and anaerobic oxidation**):* Under aerobic and under ferric iron-reducing, sulfate-reducing and methanogenic conditions, this can be the primary mechanism for the biodegradation of the less chlorinated hydrocarbons. This process is not considered effective for the more highly chlorinated compounds such as PCE and TCE. Oxidation of 1,2-DCA and VC to carbon dioxide are examples of less chlorinated solvents acting as electron donors under aerobic and anaerobic conditions (Wiedemeier et al., 1999; Chapelle, 2001); and,

- *The chlorinated hydrocarbon is degraded fortuitously by an enzyme or co-factor produced during the microbial metabolism of another compound (**co-metabolism**):* The co-metabolic process is described as slow (Gossett & Zinder, 1997), and very limited under natural conditions (Wiedemeier et al., 1999). The presence of oxygen and a primary substrate are required to initiate production of a suitable oxygenase (enzyme). However, TCE, DCE, and VC have been noted as readily and very efficiently co-metabolized by oxidizers of methane, ethene, propane, aromatic-compound, ammonium, isoprene, phenol or toluene (McCarty, 1997; Chapelle, 2001).

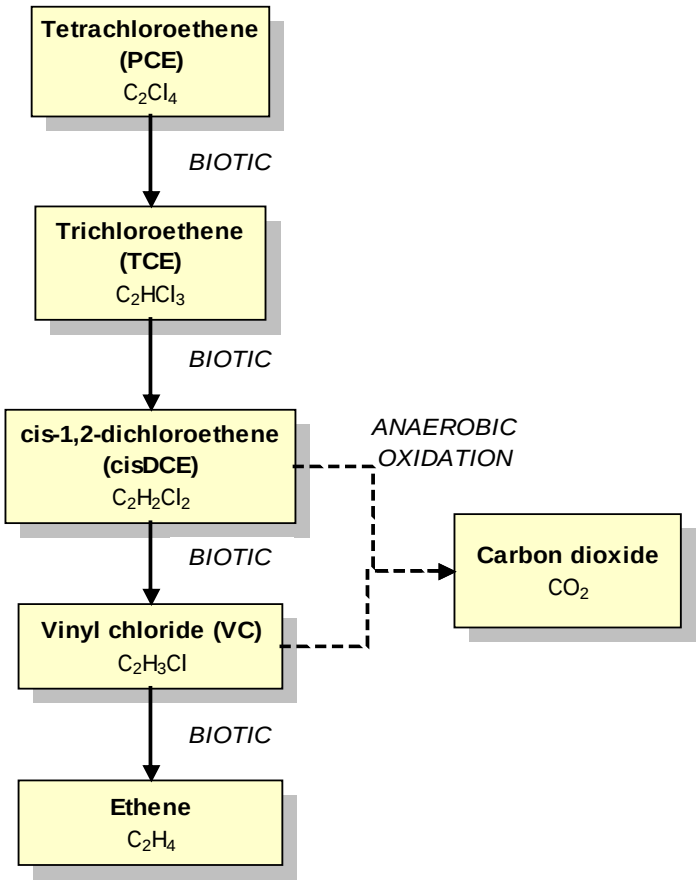
Natural attenuation mechanisms also include dispersion, dilution, sorption, volatilization, and other physical mechanisms in addition to biological degradation.

The presence and relative concentrations of the intermediate and ultimate products of biodegradation are important is assessing the particular microbial processes that may be occurring at the Site and causing the observed concentration reductions. Accordingly, the following section discusses the major families of chlorinated compounds present at the Site, and their primary degradation pathways.

Degradation of Chlorinated Ethenes

Reductive and oxidative biotic degradation pathways for PCE and TCE are as follows:

DEGRADATION PATHWAY FOR THE TRANSFORMATIONS OF CHLORINATED ETHENES

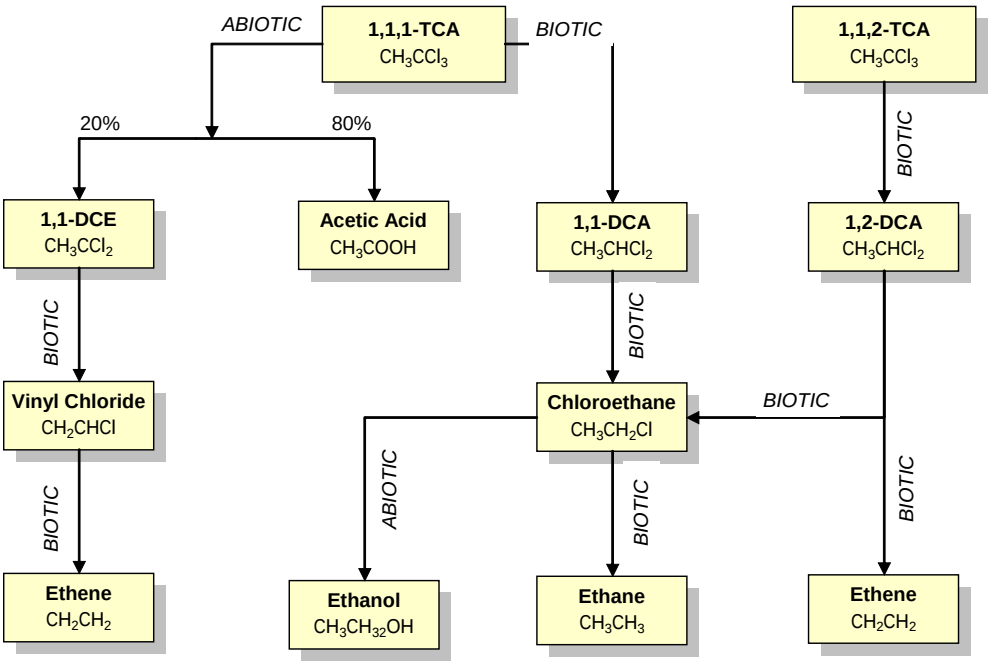


Generally, PCE and TCE result from anthropogenic activities, and therefore are found as parent compounds; the presence of cis-DCE, VC and ethene (the ultimate non-toxic end product) is generally due only to the breakdown of PCE and TCE as a result of microbial biodegradation.

Degradation of Chlorinated Ethanes

Chlorinated ethanes include 1,1,1-trichloroethane (1,1,1-TCA) and 1,1,2-trichloroethane (1,1,2-TCA) which can degrade in the environment by abiotic or biotic mechanisms as shown below:

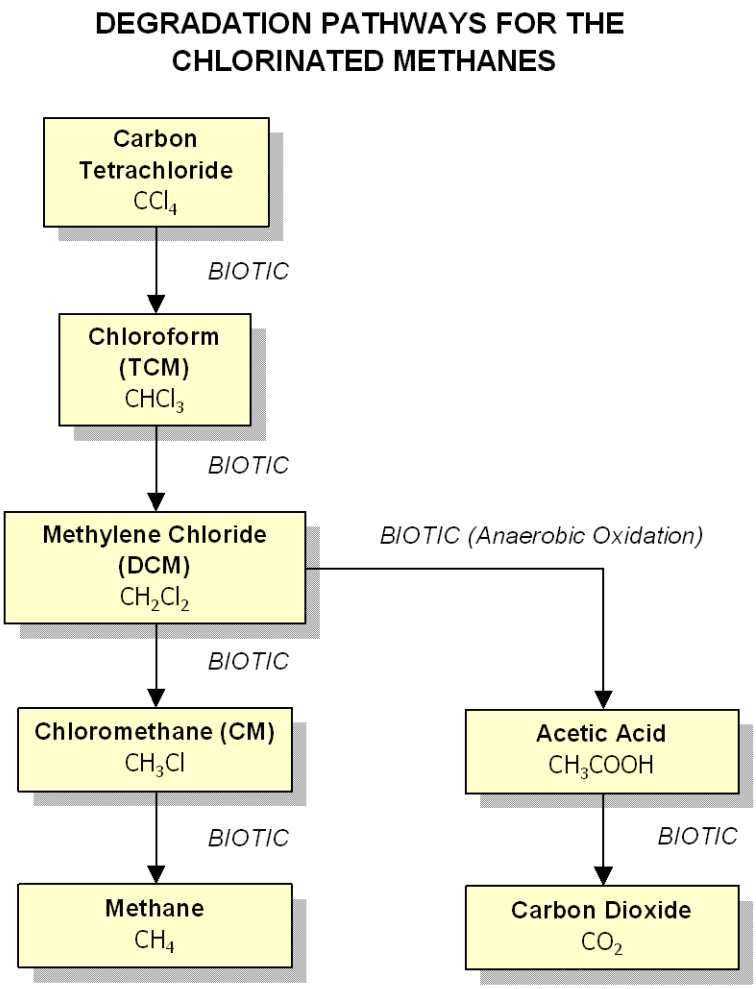
REDUCTIVE PATHWAYS FOR THE TRANSFORMATIONS OF CHLORINATED ETHANES



The abiotic mechanism (specifically hydrolysis) results in production of acetic acid (80%) and 1,1 dichloroethene (20%) and published half-lives of TCA for this mechanism are on the order of 1 year (Montgomery, 2000; Schwarzenbach et al, 1993; Howard et al, 1991). 1,1-dichloroethene (1,1-DCE) degrades biotically to vinyl chloride, which may be oxidized or further degrade to ethene, depending upon the conditions present. The biotic degradation pathway produces 1,1-dichloroethane (1,1-DCA), which breaks down biotically to chloroethane and subsequently ethane. Both the biotic and abiotic pathways can occur simultaneously. Generally, 1,1,1-TCA, 1,1,2-TCA, and 1,2-DCA are found as parent compounds.

Degradation of Chlorinated Methanes

Chlorinated methanes, in particular chloroform (or trichloromethane), degrade biotically via the following mechanisms:



4.3.4.2 Data Evaluation

Site Scale Evaluation of Natural Attenuation Indicator Parameters (Geochemical Analysis)

The following electron donor and electron acceptor reactions illustrate the use and production of various compounds involved in biodegradation processes. For the electron acceptor reaction, the preferred oxidation-reduction, or redox potentials (ORP) are also provided below.

Typical electron acceptor reactions are:

$1/4\ O_2 + H^+ + e^- = 1/2\ H_2O$ (aerobic respiration) ($[O_2] > 0.5$ mg/L, ORP=+820 mV)
$1/5\ NO_3^- + 6/5\ H^+ + e^- = 1/10\ N_2 + 3/5\ H_2O$ (nitrate reduction) (ORP = +740 mV)
$1/2\ FeOOH_{(s)} + 1/2\ HCO_3^- + H^+ + ½\ e^- = 1/2\ FeCO_3 + H_2O$ (iron reduction) (ORP = -50 mV)
$1/8\ SO4^{-2} + 19/16\ H^+ + e^- = 1/16\ H_2S + 1/16\ HS^- + 1/2\ H_2O$ (sulfate reduction) (ORP = -220 mV)
$1/8\ CO_2 + H^+ + e^- = 1/8\ CH_4 + 1/24\ H_2O$ (methanogenesis) (ORP < -240 mV)

Natural attenuation indicator parameters used for this evaluation, including the significance of each parameter with respect to the natural attenuation evaluation, are listed below:

- Redox potential: direct indicator of terminal electron-acceptor process (TEAP). For example, must be < -50 mV to sustain reductive dehalogenation;
- Dissolved oxygen (DO): must be broadly depleted (<0.5 mg/L) to permit reductive dechlorination, which requires anoxic conditions;
- Nitrate/Nitrite: TEAP effected by nitrate-reducing bacteria, the presence of nitrate can inhibit reductive dehalogenation and is preferably <0.5 mg/L;
- Methane: an ultimate formation product of microbial activity; may be produced by methanogens or from the reductive pathway of chlorinated methanes, methane concentration is a proxy for the concentration of molecular hydrogen and should be >0.5 mg/L to support reductive dechlorination;
- Sulfate/Sulfite: TEAP effected by sulfate-reducing bacteria;
- Ethene and other daughter products of the chlorinated ethene sequence (e.g., cis 1,2-DCE): provide evidence that a reductive pathway is present;
- Ethane and daughter products of the chlorinated ethane sequence (e.g., 1,1,1-TCA, 1,2-DCA): provide evidence that biotic or abiotic degradation of chlorinated ethanes is occurring;
- Total organic carbon (TOC): provides a source of carbon and energy for intrinsic bioremediation;
- pH: reductive pathway possible within acceptable range;
- Chloride: product of dechlorination; and,
- Alkalinity: measures the buffering capacity of the ground water.

These geochemical parameters are used as indicators of reductive dechlorination processes and are analyzed below by correlating these parameters to the patterns of chlorinated organic degradation present in the study area. The relative abundance/concentration of each parameter is also compared to literature to further assess what processes are occurring in the study area. For example, the data was evaluated using the Analytical Parameters and Weighting for Preliminary

Screening for Anaerobic Biodegradation Processes contained in the USEPA Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water (see Table 7 and 7a).

Dissolved Oxygen (DO)

DO in the till wells ranged from <0.01 mg/L (ND) to 6.44 mg/L, with 12 out of 17 wells <0.50 mg/L, indicating that the groundwater in the till is generally anoxic, with localized areas of oxygenated water at levels well below oxygen saturation. In the bedrock, all DO concentrations were <0.01 mg/L (ND), indicating that the groundwater is anoxic throughout the study area, and potentially conducive for anaerobic microbial growth. At a minimum, the conditions are favorable for anaerobic respiration.

Redox Potential (ORP)

Redox potential ranged from +134 to -242 mV in the till, indicating areas of nitrate reduction at a minimum, with sulfate reduction and methanogenesis occurring in localized areas. Eight (8) out of 17 wells in the till have ORP values <-50 mV indicating conditions conducive for anaerobic respiration. The bedrock values for redox potential all indicated reducing to highly reducing conditions (-21 to -351 mV) indicating areas of iron reduction at a minimum, with sulfate reduction and methanogenesis indicated as well.

Total Organic Carbon (TOC)

TOC ranged from non-detect to 15.2 mg/L in the till wells and from non-detect to 7.79 in the bedrock wells indicating low to moderate TOC. A definitive value for TOC levels supportive of reductive dehalogenation is not available; however, 20 mg/L is often used as an estimate. No wells on-site currently have TOC values >20 mg/L. The elevated value in MW-21D (15.2 mg/L) correlates with significant reductive dechlorination.

Nitrate (plus nitrite)

Nitrate (plus nitrite) concentrations in the till are generally low, non-detect to 1.45 mg/L, with non-detects associated with lower ORP values, consistent with microbial activity. As nitrate is present in some wells, this indicates pockets of less reducing conditions are present. Two (2) wells (MW-19D and RMW-8D) have nitrate concentrations >0.5 mg/L (0.70 mg/L and 1.45 mg/L) and may have nitrate concentrations high enough to inhibit reductive dehalogenation. All of the bedrock wells have non-detect nitrate concentrations. This suggests that in the bedrock,

nitrate is depleted, consistent with the ORP values that indicate only iron- and sulfate-reduction, and methanogenesis.

Sulfate

Sulfate concentrations in the till and bedrock were reported over a wide range, 8 mg/L to 329 mg/L in the till, and 10 mg/L to 498 mg/L in the bedrock. Wells with markedly lower sulfate concentrations, such as RMW-11D (8 mg/L) in the till and MW-11R (10 mg/L) in the bedrock, suggest the presence of sulfate reduction. Reductive dechlorinators are known to be tolerant of a range of sulfate concentrations, however, values of sulfate >100 mg/kg may limit the ability of these organisms to dechlorinate. Four (4) out of 15 wells in the till and 3 out of 10 wells in the bedrock have sulfate concentrations <100 mg/L.

Methane/Chlorinated Methane Daughter Products

Methane was detected in all wells throughout the study area ranging from 6.1×10^{-4} mg/L to 5.6 mg/L, a relatively wide range, indicating that some wells exhibit higher methane production than others. In general, there is no difference in methane levels between till and bedrock wells. Methane is found at higher concentrations in wells in which there are also high concentrations of ethane and ethene (MW-21D and MW-22D), and low ORP values (MW-13R), suggesting association with microbial activity. Methane concentration is a proxy for molecular hydrogen, which is necessary for reductive dehalogenation, and levels >0.5 mg/L are anticipated to be supportive of dechlorination. Only three (3) wells on-site (MW-21D, MW-22D and MW-13R) have methane concentrations >0.5 mg/L. The intermediate biodegradation products in the chlorinated methane sequence, methylene chloride and chloromethane, are not found in significant concentrations compared to the parent compounds, indicating that the anaerobic oxidation pathway may be predominant, with methylene chloride rapidly degraded to acetic acid (Section 4.3.5.1).

Daughter Products: Chlorinated Ethenes

Ethene, the ultimate non-toxic daughter product of chlorinated ethene reductive dechlorination, was detected in all wells throughout the study area, at levels ranging from 2.1×10^{-5} mg/L to 1.3 mg/L. Levels of ethene are higher in wells with elevated chlorinated ethene parent concentrations (MW-5D and MW-20D) suggesting that complete reductive dechlorination is occurring. Also notable are elevated levels present in one (1) well with low chlorinated ethene parent concentrations (MW-21D) indicating that parent compounds have been almost completely

biodegraded. In MW-21D, the ethene concentration was at least two orders of magnitude greater than PCE, TCE, cis-DCE or VC. As with the presence of ethene, the ultimate daughter product of PCE and TCE reductive biodegradation, cis-DCE and VC are ubiquitous confirming that reductive processes are occurring. Cis-DCE was found in every sample in which the TCE concentration was at least 4 ug/L. In numerous wells, the cis-DCE concentration exceeds the PCE and TCE concentrations (on a mass and molar basis). VC is also present in numerous wells, at concentrations in some locations comparable to the PCE, TCE and cis-DCE concentrations.

Daughter Products: Chlorinated Ethanes

Ethane was also detected in all wells throughout the study area, at levels ranging from 1.3×10^{-5} mg/L to 0.14 mg/L. Levels are higher in wells with elevated chlorinated ethane parent concentrations (MW-5D, MW-20D, and MW-21D) suggesting that complete reductive dechlorination is occurring. Notably, elevated levels are present in one (1) well with low chlorinated ethane concentrations (MW-22D), suggesting that parent chlorinated ethane compounds have been almost completely biodegraded. Other products of 1,1,1-TCA degradation such as 1,1-DCA (biotic pathway) and 1,1-DCE (abiotic pathway), are present in concentrations comparable to or greater than parent concentrations (e.g., MW-5D and MW-12D).

Chloride

Chloride is present throughout the Site over a relatively wide concentration range, from 7 to 2,830 mg/L. It is generally correlated with wells that have elevated chlorinated VOC concentrations (MW-5D, MW-16D and MW-21D), indicating that it may, at least in part, be generated from the reductive dechlorination process. However, a number of wells contain elevated chloride without significant VOC concentrations (RMW-13D, MW-17D, MW-18D, and MW-8R), and these could also reflect the influence of brackish surface water.

Alkalinity/pH

Alkalinity is present throughout the Site over a relatively wide range, from 11 to 446 mg/L. Its presence can be indicative of microbial respiration when there is significant carbon dioxide (CO_2) production, and the highest alkalinity is found in the well with the greatest indication of biodegradation, MW-21D. Alkalinity can vary with pH, and is a more general indicator for biodegradation under widely varying pH conditions; at the Site, pH was found to vary widely (6.81 to 12.01 standard units). Most microorganisms are tolerant to circum-neutral (6 to 9) pH

values and 19 out of 28 wells fall within this range. Wells with pH >9.0 may create stress on the microbial community.

Well MW-21D

In well MW-21D, the evidence for processes of natural attenuation is most robust. This well shows the highest concentrations of ethene (1,300 ug/L), ethane (140 ug/L), and methane (5.6 mg/L) of all of the wells sampled and shows generally low levels of parent and intermediate degradation compounds. Excluding the ultimate daughter compounds of ethene, ethane, and methane, the total chlorinated ethene concentration is 46.6 ug/L, while the total chlorinated methanes is 18 ug/L and total chlorinated ethanes is highest at 1,024 ug/L, indicating that microbial activity has succeeded in nearly completely degrading the ethenes and methanes at this location.

The geochemical data from MW-21D provides insight into the TEAPs and types of bacteria that are active. These data indicate depletion of oxygen and nitrate, the lowest concentration of sulfate (sulfate reduction), and the highest methane concentration (5,600 ug/L). Thus, bacteria that utilize oxygen, nitrate, iron, and sulfate, along with methanogens, have likely contributed either to creating reducing conditions, or to the direct degradation of the chlorinated organics by anaerobic dechlorination. Furthermore, MW-21D contains the highest chloride (2,830 mg/L), which is created during the reductive dechlorination process, and the highest alkalinity (446 mg/L), an indicator of microbial respiration. MW-21D also contains the highest TOC in the investigation wells (15.2 mg/L), although the BTEX compounds, that are uniquely present in this well, likely contribute to the measured TOC.

Summary

In summary, the review of geochemical natural attenuation data suggests that many wells on-Site have geochemical parameters that are conducive to anaerobic biodegradation of COCs. This evaluation was performed with a focus on ORP, DO, methane and nitrate based on the USEPA Document “Evaluation of the role of Dehalococcoides Organisms in Natural Attenuation” and additional literature. An evaluation was also performed using the USEPA MNA screening criteria and the scores are presented in Table 7. Both evaluations suggest that the majority of wells in both the till and bedrock (18 of 28 wells) have at a minimum “limited evidence” for anaerobic biodegradation. One (1) well (MW-21D) corresponding to the highest total VOC values on-site, shows “strong evidence” for anaerobic biodegradation. The data further suggests

that the limiting factor in continuing dechlorination on-site may be that concentrations of chlorinated VOCs have fallen below levels capable of supporting dechlorinating organisms (<100 ug/L). For example Table 7 shows the Total VOC concentrations in each well, with wells showing elevated scores for MNA using the USEPA scoring method having relatively high Total VOC concentrations (>0.5 mg/kg). Only six (6) out of 28 wells have Total VOC concentrations >100 ug/l suggesting that many of the wells have reached VOC concentrations that are not capable of supporting strong dechlorinating microbial populations. In addition, most wells on-site have geochemical conditions conducive to dechlorination with the exception of a limiting concentration of methane. Only three (3) wells (MW-21D, MW-22D and MW-13R) contained methane at a concentration >0.5 mg/L. These wells would be anticipated to have the greatest potential for dechlorination and the data supports this observation.

Overall, the geochemistry data indicates that anaerobic conditions prevail and that multiple TEAPs are occurring, including iron reduction, sulfate reduction and limited methanogenesis, which are known to support the degradation of chlorinated VOCs. Elevated concentrations of ultimate non-toxic daughter compounds (methane, ethane, and ethene) and intermediate biodegradation products, that in numerous wells exceed the concentrations of parent compounds, show that complete reduction of PCE and TCE, and of chlorinated ethane and chlorinated methane parent compounds is occurring at the Site. Current concentrations of nearly all VOCs in the investigation wells are below historic high concentrations, and, in many cases are substantially less.

5.0 CONCLUSIONS

Extensive hydrogeologic investigations have been conducted at the 216 Paterson Plank Road Site to establish the nature and extent of off-property groundwater contamination in the till and bedrock units. These investigations have included the installation and monitoring of 20 till wells and 14 bedrock wells as well as extensive hydrogeologic testing. Additional investigations conducted in 2007 at the request of USEPA consisted of the installation of seven (7) till and bedrock monitoring wells, vertical bedrock aquifer profile sampling at two locations, and a complete round of groundwater sampling from 28 wells for analysis of VOCs and natural attenuation parameters.

These investigations have revealed that the geologic conditions comprise the following units, from top to bottom:

- Man made fill (3 to 10 feet thick);
- Marine and marsh "meadow mat" (0 to 4 feet thick);
- Glaciolacustrine varved unit, including a upper stiff bedded unit and a lower soft plastic clayey unit (0 to 20 feet thick);
- Glacial till, including a soft upper unit (0 to 17 feet thick) and an over consolidated lower lodgement till (0 to 30 feet thick); and
- Passaic Formation bedrock consisting of siltstones and mudstone with occasional interbeds of sandstone.

Groundwater flow in the till and bedrock units is variable and strongly influenced by intermittent (weekday) pumping in the area and to a lesser degree by tidal fluctuations. Water level measurements have indicated a low horizontal gradient with flow direction varying from the west to north. Vertical hydraulic gradients in the till are generally downward with upward gradients in bedrock, consistent with regional observations. The average linear flow velocity in bedrock is very low and has been calculated to range from 3.1 to 7.2 ft/year.

Groundwater contamination in the till and bedrock consists primarily of chlorinated VOCs including PCE and TCE and associated breakdown products. Concentrations of VOCs decrease substantially with increasing horizontal and vertical distance from the property. The highest level of VOCs in the bedrock wells are detected in MW-13R (560 ug/L of total VOCs) located adjacent

to the northwest corner of the property. However, these concentrations decline to trace levels within 600 to 1,000 feet downgradient. Concentrations also decline vertically, with only trace VOC levels detected in MW-23R located adjacent to MW-13R. Similarly, the highest levels of VOCs in the till wells are located in the northwest corner of the property in MW-5D (6,281 ug/L of total VOCs). These concentrations decline to 51 ug/L in MW-25D approximately 1,000 feet to the northwest and 5 ug/L in MW-26D located approximately 950 feet to the north.

Till monitoring well MW-21D, located adjacent to the upgradient property margin, contains elevated levels of benzene, 1,1-Dichloroethane, and 1,4 dioxane. These detections are considered anomalous as these compounds are only sporadically detected at much lower concentrations in other till and bedrock monitoring wells and are not detected (with the exception of 1,4-dioxane which was not analyzed for) in adjacent well MW-22D suggesting this contamination may be very localized.

The current concentrations of nearly all VOCs are below historic high concentrations, and in many cases substantially less, as a result of natural attenuation processes. The evidence of natural attenuation processes is substantiated by the geochemical parameters collected at the site indicating that anaerobic conditions prevail and that multiple TEAPs are occurring that support the degradation of chlorinated VOCs. In addition, elevated concentrations of ultimate non-toxic daughter compounds (methane, ethene and ethane) and intermediate biodegradation products, which in numerous wells exceed the concentration of parent compounds, show that the complete reduction of PCE and TCE and of chlorinated ethane and chlorinated methane compounds is occurring. The evidence of natural attenuation is also highly robust in MW-21D, which shows the highest levels of ethene, ethane and methane.

In summary, the extensive investigations conducted in the till and bedrock have substantially defined the nature and extent of contamination. Vertical and horizontal delineation is effectively complete in the bedrock unit, and although concentrations of constituents in the till have been detected approximately 1,000 feet to the northwest of the Site (well MW-25D), sufficient information has been obtained to proceed with the Feasibility Study for Operable Unit 3.

Additional downgradient till well(s) may be warranted in the future to serve as sentinel wells, and may be installed as part of a Pre-Design Investigation.

6.0 REFERENCES

Argon, S.L., Environmental Geology of the Hackensack Meadowlands. In W. Manspeizer (editor) 1980. Field Studies of New Jersey Geology and Guide to Field Trips, 52nd Annual Meeting of the New York State Geological Association. Rutgers University, pp. 216-241.

Canonie Environmental, 1992. "Final Report Interim Remedy for First Operable Unit Scientific Chemical Processing Superfund Site at 216 Paterson Plank Road, Carlstadt, New Jersey," September 1992.

Canonie Environmental, 1991. "Interim Remedy Remedial Design Report," July 19, 1991.

Carswell, L.D., 1976. "Appraisal of Water Resources in the Hackensack River Basin, New Jersey", US Geological Survey , Water-Resources Investigations 76-74.

Dames & Moore, 1990. "Final Report - Remedial Investigation SCP Site, Carlstadt, New Jersey," March 1, 1990.

Dames & Moore, 1989. "Test Pit Investigation SCP/Carlstadt July 1989," August 4, 1989.

Dames & Moore, 1988a. "Revision No. 8 (Amended) Project Operations Plan, SCP Site Remedial Investigation, Carlstadt, New Jersey," September 30, 1988.

Dames & Moore, 1988b. "Revision No. 9, Project Operations Plan, SCP Site Remedial Investigation, Carlstadt, New Jersey," September 30, 1988.

Environmental Resources Management, Inc., 1989. "Preliminary Feasibility Study for the First Operable Unit of the SCP/Carlstadt Site," July 1989.

Golder Associates Inc., 2007. Final Design Report, Operable Unit No. 2 (OU-2), May 2007.

Golder Associates Inc., 2005. Addendum, Off-Property Investigation Report, Operable Unit No. 3, June 2005.

Golder Associates Inc., 2003. Off-Property Investigation Report, Operable Unit No. 3, June 2005.

Golder Associates Inc., 2001. Focused Feasibility Study Operable Unit 2 Final Remedy: Fill and Shallow Groundwater, April 2001.

Golder Associates Inc., 1998. Treatability Testing Work Plan, August 1998.

Golder Associates Inc., 1997a. Off-Property Investigation, Interim Data Report, January 1997.

Golder Associates Inc., 1997b. Focused Feasibility Investigation Report, November 1997.

Golder Associates Inc., 1995. "Final Work Plan Amendment: Focused Feasibility Study: First Operable Unit Soils and Additional Off-Property Investigation," December 1995.

Harris, F.R., 1972. Detailed Investigation of Subsurface Conditions; New Jersey Sports and Exposition Authority Report submitted to the New Jersey Sports Complex.

Herpers, H., and H.C. Barksdale, 1951. Preliminary report on the Geology and Groundwater Supply of the Newark, New Jersey, Area. New Jersey Geological Survey Special Report 10.

Parillo, D.G., 1959. Bedrock Map of the Hackensack Meadowlands, NJ Geologic Survey Report Series 1, 25p.

Stanford, S.D., 1993. Surficial Geology of the Weehawken and Central Park Quadrangles, Bergen, Hudson, and Passaic Counties, New Jersey. New Jersey Geological Survey Open File Map OFM 13, two sheets, scale 1:24,000.

Stanford, S.D. 1994, Surficial Geology of the Weehawken and Central Park Quadrangles. NJ Geol. Survey OFM-13 (two sheets) 1:24000 Scale.

Stanford, S.D., R.W. Witte, D.P. Harper, 1995a. Glacial Sediments of New Jersey, NJ Geol. Survey UFM-16 (1:150,000 Scale).

Stanford, S.D., R.W. Witte, and D.P. Harper, 1995b. Glacial Sediments of New Jersey and Glacial Thickness of New Jersey. New Jersey Geol. Survey Open File Map, OFM-16 (1:150,000 Scale)

United States Environmental Protection Agency, 1995. Draft Environmental Impact Statement on the Special Area Management Plan for the Hackensack Meadowlands District, NJ.

United States Environmental Protection Agency, 1990. "Administrative Order Index No. II CERCLA-00116," September 28, 1990.

United States Environmental Protection Agency, 1985b. "Administrative Order on Consent Index No. II CERCLA-50114," September 30, 1985.

Vecchioli, J., 1965, Directional Hydraulic Behavior of a Fractured-Shale Aquifer in New Jersey: International Association of Scientific Hydrology, Symposium of Dubrovnik, 1965, pp. 318-326.

Vecchioli, John, 1967. "Directional behavior of a fractured-shale aquifer in New Jersey", in the proceedings of the Dubrovnik symposium, Hydrology of fractured rocks, vol. I: Inter. Assoc. of Sci. Hydrology Pub. No. 73. p. 318-326.

Vecchioli, J., Carswell, L.D., and Kasabach, H.F., 1969. "Occurrence and movement of ground water in the Brunswick Shale at a site near Trenton, New Jersey", U.S. Geological Survey, Prof. Paper 650-B, P. 154-157.

TABLE 1
MONITORING WELL CONSTRUCTION DATA
216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

WELL ID	DATE OF COMPLETION	GROUND SURFACE ELEVATION (FT- MSL)	ELEVATION TOP OF INNER CASING (FT-MSL)	WELL DIAMETER & MATERIAL	WELL DEPTH (FT BGS)	SCREEN LENGTH (FT)	ELEVATION TOP OF SCREENED INTERVAL (FT - MSL)	ELEVATION BOTTOM OF SCREENED INTERVAL (FT-MSL)	TOP OF PEAT (FT-MSL)	TOP OF GRAY SILT/ BEDDED CLAY (Upper Horizon) (FT-MSL)	TOP OF VARVED CLAY (Lower Horizon) (FT-MSL)	TOP OF SOFT TILL (FT-MSL)	TOP OF LODGEMENT TILL (FT-MSL)	TOP OF BEDROCK (FT-MSL)	SCREENED INTERVAL FORMATION
REMEDIAL INVESTIGATION MONITORING WELLS															
MW-2D	6/18/1987	8.57	12.09	4-INCH SS	61	15	-37.4	-52.4	0.8	-0.8	-5.4	-12.4	-21.4	-51.4	TILL
MW-2R	2/8/1989	8.86	11.30	6-INCH OPEN HOLE	88	25	-54.1	-79.1	0.8	-0.8	-5.4	-12.4	-21.4	-51.4	BEDROCK
MW-5D	6/26/1987	7.32	10.23	4-INCH SS	62	15	-39.7	-54.7	1.4	-1.6	-6.6	-16.9	-27.7	-52.7	TILL
MW-7D	7/6/1987	9.09	11.18	4-INCH SS	60	15	-35.9	-50.9	NOT PRESENT	-0.3	-10.9	-28.9	-35.3	-50.0	TILL
MW-8S	1/5/1989	5.50 (7)	5.99 (5)	4-INCH SS	7.5	5	-2.5	-7.5	0.5	-2.0	NA	NA	NA	NA	FILL
RMW-8D	9/22/1998	5.54 (7)	5.97 (5)	4-INCH SS	49	8.3	-35.3	-43.5	0.2	-2.0	-8.5	-32.0	-40.0	-46.5	TILL
MW-9S	1/4/1989	5.95 (7)	6.55 (5)	4-INCH SS	8	5	-3.0	-8.0	1.0	-2.8	NA	NA	NA	NA	FILL
MW-10S	1/3/1989	7.82	7.54	4-INCH SS	9	5	3.8	-1.2	NOT PRESENT	-0.4	NA	NA	NA	NA	FILL
MW-11S	1/6/1989	6.32	6.04	4-INCH SS	7	5	4.3	-0.7	-1.1	-2.1	NA	NA	NA	NA	FILL
RMW-11D	9/14/1998	6.77	6.34	4-INCH SS	32.5	1	-24.7	-25.7	-1.2	-3.2	-9.2	-21.0	-24.9	-27.2	TILL
MW-12S	1/6/1989	6.25	5.63	4-INCH SS	7.5	5	3.8	-1.3	NOT PRESENT	-1.6	NA	NA	NA	NA	FILL
RMW-12D	10/9/1998	6.38	6.19	4-INCH SS	32	7.5	-18.1	-25.6	NOT PRESENT	-3.6	-11.6	-15.6	NOT PRESENT	-26.6	TILL
RMW-13D	10/20/1995	4.88	4.66	4-INCH SS	43.5	10	-28.6	-38.6	NOT PRESENT	0.9	-9.1	-20.1	-24.1	-38.6	TILL
OFF-PROPERTY INVESTIGATION MONITORING WELLS															
MW-8R	7/18/1996	5.35 (7)	5.10 (5)	2-INCH SS	93	10	-83.0	-93.0	0.4	-1.5	-11.7	-33.4	-39.7	-63.7	BEDROCK
MW-10D	8/21/1996	7.49	7.09	4-INCH SS	42	5	-29.5	-34.5	0.7	-2.5	-10.5	-26.5	-34.5	-36.5	TILL
MW-10R	8/26/1996	7.48	7.01	2-INCH SS	65.5	10	-48.0	-58.0	0.7	-2.5	-10.5	-26.5	-34.5	-36.5	BEDROCK
MW-11R	8/7/1996	6.41	6.19	4-INCH OPEN HOLE	58	10	-41.6	-51.6	-1.6	-3.6	-13.6	-21.3	-25.6	-31.6	BEDROCK
MW-13R	8/20/1998	4.83	4.35	2-INCH SS	62	10	-47.2	-57.2	NOT PRESENT	-5.2	-11.2	-20.1	-24.1	-34.2	BEDROCK
MW-14D	7/26/1996	2.48	2.19	4-INCH SS	40	10	-27.5	-37.5	-2.6	-6.1	-10.6	-21.9	-30.6	-51.6	TILL
MW-14R	7/23/1996	2.39	2.24	4-INCH OPEN HOLE	74	10	-61.6	-71.6	-2.6	-6.1	-10.6	-21.9	-30.6	-51.6	BEDROCK
MW-15D	8/16/1996	9.68	9.47	4-INCH SS	52	2	-40.3	-42.3	-0.3	-3.3	-11.3	NOT PRESENT	-37.3	-43.8	TILL
MW-15R	9/6/2002	9.64	9.34	4-INCH OPEN HOLE	84	20	-54.4	-74.4	-0.4	-4.4	-9.9	NOT PRESENT	-38.4	-41.4	BEDROCK
MW-16D	7/29/1996	7.25	6.59	4-INCH SS	36	5	-23.8	-28.8	NOT PRESENT	-4.8	-8.8	-16.6	-26.3	-32.8	TILL
MW-17D	7/11/1996	5.05 (7)	5.46 (5)	4-INCH SS	55	10	-45.0	-55.0	0.4	-1.5	-11.7	-33.4	-39.7	-63.7	TILL
MW-18D	7/18/1996	5.23 (7)	5.46 (5)	4-INCH SS	66	5	-61.0	-66.0	0.4	-1.5	-11.7	-33.4	-39.7	-63.7	TILL
MW-19D	8/28/1998	6.16	5.80	4-INCH SS	36.5	2	-28.3	-30.3	1.2	-2.1	-9.6	-25.3	-26.2	-31.8	TILL
MW-19R	8/20/2002	6.02	5.70	4-INCH OPEN HOLE	70	20	-44.0	-64.0	1.0	-3.0	-9.0	-27.0	-31.0	-33.5	BEDROCK
MW-20D	8/28/1998	2.59	2.30	4-INCH SS	31.5	3.6	-25.3	-28.9	NOT PRESENT	-1.4	-10.4	-23.4	-27.4	-30.9	TILL
MW-20R	9/3/1998	2.58	2.30	2-INCH SS	57.2	10	-44.6	-54.6	NOT PRESENT	-1.4	-10.4	-25.4	-27.4	-30.9	BEDROCK
MW-21D	9/18/1998	5.64 (7)	6.69 (5)	4-INCH SS	28.2	7.2	-21.0	-28.2	0.6	-2.9	-8.9	-12.4	-26.4	NA	TILL
MW-22D	9/3/2002	6.77	6.41	4-INCH SS	42	10	-25.2	-35.2	0.8	-2.2	-7.2	-22.2	-39.2	-44.2	TILL
MW-23R	8/20/2002	6.11	5.77	4-INCH OPEN HOLE	88	10	-71.9	-81.9	0.1	-1.9	-7.9	-17.9	-27.0	-30.9	BEDROCK
MW-24D	5/9/2007	4.56	4.54	4-INCH SS	48	5	-38.4	-43.4	NOT PRESENT	-2.4	-9.4	-35.5	-38.4	-43.4	TILL
MW-24R	5/22/2007	4.58	4.53	2-INCH SS	69	10	-54.4	-64.4	NOT PRESENT	-2.4	-9.4	-35.5	-38.4	-43.4	BEDROCK
MW-25D	3/29/2007	6.86	6.59	4-INCH SS	38	7.5	-23.6	-31.1	1.8	-1.3	-13.3	-23.3	-25.3	-30.8	TILL
MW-25R	3/29/2007	6.75	6.54	3-INCH OPEN HOLE	70	10	-53.3	-63.3	1.8	-1.3	-13.3	-23.3	-25.3	-30.8	BEDROCK
MW-26D	6/13/2007	5.23	5.05	4-INCH SS	42.5	10	-27.3	-37.3	NOT PRESENT	1.2	-12.8	-24.3	-31.3	-37.3	TILL
MW-27R	5/2/2007	6.02	5.92	2-INCH SS	88	10	-72.0	-82.0	2.0	-1.0	-9.5	-31.5	-46.0	-53.0	BEDROCK
MW-28R	4/27/2007	6.23	5.92	3-INCH OPEN HOLE	76	10	-59.8	-69.8	2.2	-1.8	-9.8	-33.3	-37.8	-49.8	BEDROCK

NOTES:

(1) - Well depths and screen length for RI monitoring wells estimated from the Dames & Moore monitoring well details provided in the RI Report.

(2) - Elevation data for stratigraphy presented for the RI monitoring wells is estimated based on Golder Associates interpretation of the borehole logs prepared by Dames & Moore and provided in the RI Report.

(3) - RI Monitoring wells surveyed by GEOD Corporation in October 1996.

(4) - Elevation data for stratigraphy at cluster monitoring well locations (e.g. MW-14D and MW-14R) is based on information from the deeper monitoring well borehole log.

(5) - Replacement wells RMW-8D, RMW-11D, RMW-12D and Off-Property wells MW-19D, MW-20D, MW-20R, MW-21D surveyed by GEOD Corporation in November 1998. Monitoring wells RMW-8D, MW-8S, MW-8R, MW-9S, MW-17D, MW-18D, and MW-21D were re-surveyed by GEOD on March 16, 2000 due to modifications to the paved area by the owner of the property.

(6) - Monitoring wells MW-2D and MW-2R were decommissioned in September 1998.

(7) - As discussed in Note 5, these wells were re-surveyed due to the grade being elevated as a result of the re-pavement of the parking area. Original ground elevations are shown since the elevation of the geologic contacts are based on this original reference point.

(8) 2002 and 2007 wells surveyed by by James M. Stewart Inc.

Table 2
Packer Test Analytical Summary of Detected Compounds
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

Sample Location	**Packer Rinsate Blank**			**Drill Water**			**MW-24R**														
Sample ID	**RB-01**			**DW-01**			**MW-24R-PT68-58**			**MW-24RPT-68-78**			**MW-24RPT-78-88**			**MW-24RPT-88-98**			**MW-24R-PT108-98**		
Date Sampled	**4/12/2007**			**4/12/2007**			**5/15/2007**			**5/16/2007**			**5/16/2007**			**5/16/2007**			**5/14/2007**		
Depth Interval (ft bgs)	**N/A**			**N/A**			**58-68**			**68-78**			**78-88**			**88-98**			**98-108**		
Volatile Organic Compounds		Q	RL		Q	RL		Q	RL		Q	RL		Q	RL		Q	RL		Q	RL
1,1-Dichloroethene		U	10		U	10	0.6	J	10		U	10		U	10		U	10		U	10
Acetone	130		10		U	10		U	10		U	10		U	10		U	10		U	10
1,1-Dichloroethane		U	10		U	10	0.8	J	10	0.7	J	10		U	10		U	10		U	10
cis-1,2-Dichloroethene		U	10		U	10	4	J	10	3	J	10	0.7	J	10		U	10		U	10
Chloroform		U	10		U	10		U	10		U	10		U	10		U	10	1	J	10
1,2-Dichloroethane		U	10		U	10	2	J	10	2	J	10		U	10		U	10		U	10
Trichloroethene		U	10		U	10	10		10	9	J	10	2	J	10		U	10	1	J	10
Bromodichloromethane		U	10		U	10		U	10		U	10		U	10		U	10		U	10
Tetrachloroethene		U	10		U	10	5	J	10	5	J	10	1	J	10		U	10	0.7	J	10

Notes:
All units in ug/L
N/A = Not Applicable
Q = Qualifier
RL = Reporting Limit
U = Not Detected
J = Estimated Value

Created: KFM 08/27/2007
Checked: TGS 08/30/2007

Table 2
Packer Test Analytical Summary of Detected Compounds
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

Sample Location	**MW-27R**														
Sample ID	**MW27R-PT7594**			**MW27R-PT-98-108**			**MW27R-PT112-125**			**OMW27R-PT112-125**			**RMW27R-PT-112-125**		
Date Sampled	**4/17/2007**			**4/23/2007**			**4/13/2007**			**4/13/2007**			**4/24/2007**		
Depth Interval (ft bgs)	**75-94**			**98-108**			**112-125**			**112-125**			**112-125**		
Volatile Organic Compounds		Q	RL		Q	RL		Q	RL		Q	RL		Q	RL
1,1-Dichloroethene		U	10		U	10		U	10		U	10		U	10
Acetone		U	10		U	10	7	J	10	9	J	10		U	10
1,1-Dichloroethane		U	10		U	10		U	10		U	10		U	10
cis-1,2-Dichloroethene		U	10		U	10		U	10		U	10		U	10
Chloroform	0.7	J	10	2	J	10	6	J	10	6	J	10		U	10
1,2-Dichloroethane		U	10		U	10		U	10		U	10		U	10
Trichloroethene		U	10	0.5	J	10		U	10		U	10	0.8	J	10
Bromodichloromethane		U	10		U	10	2	J	10	2	J	10		U	10
Tetrachloroethene		U	10		U	10		U	10		U	10		U	10

Notes:
All units in ug/L
N/A = Not Applicable
Q = Qualifier
RL = Reporting Limit
U = Not Detected
J = Estimated Value

Created: KFM 08/27/2007
Checked: TGS 08/30/2007

Table 3a
Sampling & Analysis Summary
December 2006
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

Sample ID	Date Sampled	TCL VOCs	1,4-Dioxane
MW-19D	12/21/2006	X	X
MW-19R	12/21/2006	X	X
MW-20D	12/21/2006	X	X
MW-20R	12/21/2006	X	X
QA/QC			
Field Duplicates			
F-DUP (MW-20D)	12/21/2006	X	X
MS/MSD			
MW-20R	12/21/2006	X	X
Rinsate Blanks			
RB-01	12/21/2006	X	X
Trip Blanks			
TB-01	12/21/2006	X	X

Notes:
TCL VOCs and 1,4-Dioxane Methodology: CLP SOW OLC03.2
VOC = Volatile Organic Compounds
QA/QC = Quality Assurance / Quality Control
MS/MSD = Matrix Spike / Matrix Spike Duplicate

Table 3b
Sampling Analysis Summary
June - July 2007
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

Sample ID	Date Sampled	TCL VOCs	1,4-Dioxane	TCL SVOCs	NAPs
MW-5D	7/5/2007	X	X	X	X
MW-7D	7/5/2007	X		X	X
RMW-8D	6/28/2007	X	X	X	X
MW-8R	6/27/2007	X		X	X
RMW-11D	7/2/2007	X		X	X
MW-11R	7/2/2007	X	X	X	X
RMW-12D	6/29/2007	X	X	X	X
RMW-13D	6/29/2007	X	X	X	X
MW-13R	6/29/2007	X	X		X
MW-13R	7/5/2007			X	
MW-14D	7/2/2007	X		X	X
MW-14R	6/27/2007	X		X	X
MW-16D	7/2/2007	X	X	X	X
MW-17D	6/27/2007	X	X	X	X
MW-18D	6/27/2007	X		X	X
MW-19D	6/26/2007	X		X	X
MW-19R	6/26/2007	X		X	X
MW-20D	6/27/2007	X		X	X
MW-20R	6/27/2007	X		X	X
MW-21D	6/28/2007	X	X	X	X
MW-22D	6/28/2007	X		X	X
MW-23R	7/2/2007	X	X	X	X
MW-24D	6/26/2007	X	X	X	X
MW-24R	6/27/2007	X	X	X	X
MW-25D	6/25/2007	X	X	X	X
MW-25R	6/25/2007	X	X	X	X
MW-26D	6/26/2007	X	X	X	X
MW-27R	6/26/2007	X	X	X	X
MW-28R	6/28/2007	X	X	X	X
QA/QC					
Field Duplicates					
MW-5DFD	7/5/2007			X	
FDMW-13D	6/29/2007	X			X
MW-27RFD	6/26/2007	X	X	X	X
MS/MSD					
RMW-12D	6/29/2007	X	X	X	X
MW-24R	6/27/2007	X	X	X	X
Rinsate Blanks					
RBGW062507	6/25/2007	X	X	X	
RBGW062607	6/26/2007	X	X	X	
RBGW062707	6/27/2007	X	X	X	
RBGW062907	6/29/2007	X	X	X	
RBGW062807	6/28/2007	X	X	X	
RBGW070207	7/2/2007	X	X	X	
RBGW070507	7/5/2007	X	X	X	
Trip Blanks					
TBGW062507	6/25/2007	X	X		
TBGW062607	6/26/2007	X	X		
TBGW062707	6/27/2007	X	X		
TBGW062807	6/28/2007	X	X		
TBGW062907	6/29/2007	X	X		
TBGW070207	7/2/2007	X	X		
TBGW070507	7/5/2007	X	X		

Notes:
TCL VOCs & 1,4-Dioxane Methodology: CLP SOW OLC3.2; SVOCs Methodology: CLP SOW OLM04.3.
Monitored Natural Attenuation Parameters Methodology: Alkalinity (EPA 310.1), Chloride (EPA 300.0), Nitrate-Nitrite (EPA 300.0), Total Phosphorus (EPA 365.2), Sulfate (EPA 300.0), Sulfide (EPA 376.1), TKN (EPA 351.2), Total Organic Carbon (EPA 415.1), and Methane, Ethane and Ethene (SW-846 8015M).
VOC = Volatile Organic Compounds
SVOC = Semi-Volatile Organic Compounds
NAPs = Natural Attenuation Parameters
QA/QC = Quality Assurance / Quality Control
MS/MSD = Matrix Spike / Matrix Spike Duplicate

Table 3c
Sampling & Analysis Summary
Packer Testing - April - May 2007
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

Sample Location	Sample ID	Date Sampled	Depth Interval (ft bgs)	TCL VOCs
MW-24R	MW-24R-PT68-58	5/15/2007	58-68	X
	MW-24RPT-68-78	5/16/2007	68-78	X
	MW-24RPT-78-88	5/16/2007	78-88	X
	MW-24RPT-88-98	5/16/2007	88-98	X
	MW-24R-PT108-98	5/14/2007	98-108	X
MW-27R	MW27R-PT7594	4/17/2007	75-94	X
	MW27R-PT-98-108	4/23/2007	98-108	X
	MW27R-PT112-125	4/13/2007	112-125	X
	OMW27R-PT112-125	4/13/2007	112-125	X
	RMW27R-PT-112-125	4/24/2007	112-125	X
QA/QC				
Drill Water	DW-01	4/12/2007	N/A	X
Packer Rinsate Blank	RB-01	4/12/2007	N/A	X

Notes:
TCL VOCs Methodology: CLP SOW OLM04.2
VOC = Volatile Organic Compounds
QA/QC = Quality Assurance / Quality Control
N/A = Not Applicable

Table 3d
Historical Summary of Groundwater Sampling
216 Paterson Plank Road Site

Sample ID	N= Normal, FD = Field Duplicate	Sample Date	Method				
			Inorganics	Pesticides / PCBs	VOCs	SVOCs	NAPS
MW-10D	N	20-Sep-96	x	x	x	x	x
(Decommissioned Dec. 2005)	N	21-Oct-98	x	x	x	x	x
	N	19-Sep-02	x	x	x	x	x
MW-10R	N	20-Sep-96	x	x	x	x	x
(Decommissioned Dec. 2005)	N	22-Oct-98	x	x	x	x	x
	N	19-Sep-02	x	x	x	x	x
MW-10S	FD	19-Jan-96	NS	NS	x	NS	NS
(Decommissioned Dec. 2005)	N	21-Jul-95	NS	NS	x	NS	NS
	N	09-Nov-95	NS	NS	x	NS	NS
	N	19-Jan-96	NS	NS	x	NS	NS
	N	18-Apr-96	x	x	x	x	NS
	N	20-Sep-96	x	x	x	x	NS
	N	11-Dec-96	NS	NS	x	NS	NS
	N	11-Feb-97	NS	NS	x	NS	NS
	N	16-Apr-97	NS	NS	x	NS	NS
	N	30-Jul-97	NS	NS	x	NS	NS
	N	04-Nov-97	x	x	x	x	NS
	N	03-Mar-98	NS	NS	x	NS	NS
	N	29-Apr-98	NS	NS	x	NS	NS
	N	15-Jul-98	NS	NS	x	NS	NS
	N	21-Oct-98	x	x	x	x	NS
	N	25-Mar-99	NS	NS	x	NS	NS
	N	22-Jul-99	NS	NS	x	NS	NS
	N	28-Sep-99	NS	NS	x	NS	NS
	N	15-Dec-99	x	x	x	x	NS
	N	05-Dec-00	x	x	x	x	NS
	N	27-Nov-01	x	x	x	x	NS
	N	19-Sep-02	x	x	x	x	NS
	N	03-Nov-03	x	x	x	x	NS
	N	16-Nov-04	x	x	x	x	NS
	N	09-Nov-05	x	x	x	x	NS
MW-11D	N	23-Jul-95	NS	NS	x	NS	NS
(Decommissioned Sept. 1998)	N	12-Nov-95	NS	NS	x	NS	NS
	N	21-Jan-96	NS	NS	x	NS	NS
	N	21-Apr-96	x	x	x	x	NS
	N	24-Sep-96	x	x	x	x	x
	N	12-Dec-96	NS	NS	x	NS	NS
	N	13-Feb-97	NS	NS	x	NS	NS
	N	06-Nov-97	x	x	x	x	NS

1. Water levels are taken during sampling pior to purging.
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
NAPS = Natural Attenuation Parameters
NS = Not Sampled

R2-0000745

Table 3d
Historical Summary of Groundwater Sampling
216 Paterson Plank Road Site

Sample ID	N= Normal, FD = Field Duplicate	Sample Date	Method				
			Inorganics	Pesticides / PCBs	VOCs	SVOCs	NAPS
MW-11R	FD	28-Oct-98	x	x	NS	x	x
	FD	17-Dec-98	NS	NS	x	NS	NS
	N	24-Sep-96	x	x	x	x	x
	N	28-Oct-98	x	x	x	x	x
	N	17-Dec-98	NS	NS	x	NS	NS
	N	24-Sep-02	x	x	x	x	x
	N	02-Jul-07	NS	NS	x	x	x
MW-11S	FD	15-Jul-98	NS	NS	x	NS	NS
	FD	22-Jul-99	NS	NS	x	NS	NS
	FD	28-Sep-99	NS	NS	x	NS	NS
	N	23-Jul-95	NS	NS	x	NS	NS
	N	12-Nov-95	NS	NS	x	NS	NS
	N	21-Jan-96	NS	NS	x	NS	NS
	N	21-Apr-96	x	x	x	x	NS
	N	24-Sep-96	x	x	x	x	NS
	N	12-Dec-96	NS	NS	x	NS	NS
	N	12-Feb-97	NS	NS	x	NS	NS
	N	16-Apr-97	NS	NS	x	NS	NS
	N	30-Jul-97	NS	NS	x	NS	NS
	N	06-Nov-97	x	x	x	x	NS
	N	03-Mar-98	NS	NS	x	NS	NS
	N	29-Apr-98	NS	NS	x	NS	NS
	N	15-Jul-98	NS	NS	x	NS	NS
	N	27-Oct-98	x	x	x	x	NS
	N	25-Mar-99	NS	NS	x	NS	NS
	N	22-Jul-99	NS	NS	x	NS	NS
	N	28-Sep-99	NS	NS	x	NS	NS
	N	16-Dec-99	x	x	x	x	NS
	N	06-Dec-00	x	x	x	x	NS
	N	28-Nov-01	x	x	x	x	NS
	N	19-Sep-02	x	x	x	x	NS
	N	04-Nov-03	x	x	x	x	NS
	N	16-Nov-04	x	x	x	x	NS
	N	10-Nov-05	x	x	x	x	NS
	N	07-Nov-06	x	x	x	x	NS
	N	02-Jul-07	x	x	x	x	x
MW-12D	N	23-Jul-95	NS	NS	x	NS	NS
(Decommissioned Sept. 1998)	N	12-Nov-95	NS	NS	x	NS	NS
	N	21-Jan-96	NS	NS	x	NS	NS
	N	21-Apr-96	x	x	x	x	NS
	N	23-Sep-96	x	x	x	x	x
	N	12-Dec-96	NS	NS	x	NS	NS
	N	12-Feb-97	NS	NS	x	NS	NS
	N	04-Nov-97	x	x	x	x	NS

1. Water levels are taken during sampling pior to purging.
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
NAPS = Natural Attenuation Parameters
NS = Not Sampled

R2-0000746

Table 3d
Historical Summary of Groundwater Sampling
216 Paterson Plank Road Site

Sample ID	N= Normal, FD = Field Duplicate	Sample Date	Method				
			Inorganics	Pesticides / PCBs	VOCs	SVOCs	NAPS
MW-12S	FD	16-Apr-97	NS	NS	x	NS	NS
	FD	30-Jul-97	NS	NS	x	NS	NS
	FD	25-Mar-99	NS	NS	x	NS	NS
	FD	16-Nov-04	x	x	x	x	NS
	N	23-Jul-95	NS	NS	x	NS	NS
	N	12-Nov-95	NS	NS	x	NS	NS
	N	21-Jan-96	NS	NS	x	NS	NS
	N	21-Apr-96	x	x	x	x	NS
	N	23-Sep-96	x	x	x	x	NS
	N	12-Dec-96	NS	NS	x	NS	NS
	N	12-Feb-97	NS	NS	x	NS	NS
	N	16-Apr-97	NS	NS	x	NS	NS
	N	30-Jul-97	NS	NS	x	NS	NS
	N	04-Nov-97	x	x	x	x	NS
	N	03-Mar-98	NS	NS	x	NS	NS
	N	29-Apr-98	NS	NS	x	NS	NS
	N	15-Jul-98	NS	NS	x	NS	NS
	N	26-Oct-98	x	x	x	x	NS
	N	25-Mar-99	NS	NS	x	NS	NS
	N	21-Jul-99	NS	NS	x	NS	NS
	N	28-Sep-99	NS	NS	x	NS	NS
	N	16-Dec-99	x	x	x	x	NS
	N	06-Dec-00	x	x	x	x	NS
	N	28-Nov-01	x	x	x	x	NS
	N	26-Sep-02	x	x	x	x	NS
	N	04-Nov-03	x	x	x	x	NS
	N	16-Nov-04	x	x	x	x	NS
	N	10-Nov-05	x	x	x	x	NS
	N	08-Nov-06	x	x	x	x	NS
	N	29-Jun-07	x	x	x	x	NS
MW-13D (Decomissioned Aug. 1996)	N	23-Jul-95	NS	NS	x	NS	NS
MW-13R	N	23-Oct-98	x	x	x	x	x
	N	23-Sep-02	x	x	x	x	x
	N	02-Jan-03	x	x	x	x	x
	N	29-Jun-07	NS	NS	x	NS	x
	N	05-Jul-07	NS	NS	NS	x	NS
MW-14D	N	23-Sep-96	x	x	x	x	x
	N	23-Oct-98	x	x	x	x	x
	N	18-Sep-02	x	x	x	x	x
	N	02-Jul-07	NS	NS	x	x	x
MW-14R	FD	23-Sep-96	x	x	x	x	x
	N	23-Sep-96	x	x	x	x	x
	N	28-Oct-98	x	x	x	x	x
	N	18-Sep-02	x	x	x	x	x
	N	27-Jun-07	NS	NS	x	x	x

1. Water levels are taken during sampling pior to purging.
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
NAPS = Natural Attenuation Parameters
NS = Not Sampled

R2-0000747

Table 3d
Historical Summary of Groundwater Sampling
216 Paterson Plank Road Site

Sample ID	N= Normal, FD = Field Duplicate	Sample Date	Method				
			Inorganics	Pesticides / PCBs	VOCs	SVOCs	NAPS
MW-15D	N	24-Sep-96	x	x	x	x	x
(Decommissioned	N	22-Oct-98	x	x	x	x	x
Dec. 2005)	N	25-Sep-02	x	x	x	x	x
MW-15R	N	25-Sep-02	x	x	x	x	x
(Decomissioned December 2005)							
MW-16D	N	23-Sep-96	x	x	x	x	x
	N	26-Oct-98	x	x	x	x	x
	N	26-Sep-02	x	x	x	x	x
	N	02-Jul-07	NS	NS	x	x	x
MW-17D	N	19-Sep-96	x	x	x	x	x
	N	21-Oct-98	x	x	x	x	x
	N	17-Sep-02	x	x	x	x	x
	N	27-Jun-07	NS	NS	x	x	x
MW-18D	FD	19-Sep-96	x	x	x	x	x
	N	19-Sep-96	x	x	x	x	x
	N	20-Oct-98	x	x	x	x	x
	N	17-Sep-02	x	x	x	x	x
	N	27-Jun-07	NS	NS	x	x	x
MW-19D	N	05-Nov-98	x	x	x	x	x
	N	18-Sep-02	x	x	x	x	x
	N	21-Dec-06	NS	NS	x	NS	NS
	N	26-Jun-07	NS	NS	x	x	x
MW-19R	FD	18-Sep-02	x	x	x	x	x
	N	18-Sep-02	x	x	x	x	x
	N	21-Dec-06	NS	NS	x	NS	NS
	N	26-Jun-07	NS	NS	x	x	x
MW-20D	FD	02-Jan-03	x	x	x	x	NS
	FD	21-Dec-06	NS	NS	x	NS	NS
	N	26-Oct-98	x	x	x	x	x
	N	24-Oct-02	x	x	x	x	x
	N	02-Jan-03	x	x	x	x	x
	N	21-Dec-06	NS	NS	x	NS	NS
	N	27-Jun-07	NS	NS	x	x	x
MW-20R	FD	26-Oct-98	x	x	x	x	x
	N	26-Oct-98	x	x	x	x	x
	N	24-Oct-02	x	x	x	x	x
	N	21-Dec-06	NS	NS	x	NS	NS
	N	27-Jun-07	NS	NS	x	x	x
MW-21D	N	22-Oct-98	x	x	x	x	x
	N	25-Sep-02	x	x	x	x	x
	N	28-Jun-07	NS	NS	x	x	x
MW-22D	N	25-Sep-02	x	x	x	x	x
	N	28-Jun-07	NS	NS	x	x	x
MW-23R	N	26-Sep-02	x	x	x	x	x
	N	02-Jul-07	NS	NS	x	x	x
MW-24D	N	26-Jun-07	NS	NS	x	x	x
MW-24R	N	27-Jun-07	NS	NS	x	x	x
MW-25D	N	25-Jun-07	NS	NS	x	x	x
MW-25R	N	25-Jun-07	NS	NS	x	x	x

1. Water levels are taken during sampling pior to purging.
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
NAPS = Natural Attenuation Parameters
NS = Not Sampled

R2-0000748

Table 3d
Historical Summary of Groundwater Sampling
216 Paterson Plank Road Site

Sample ID	N= Normal, FD = Field Duplicate	Sample Date	Method				
			Inorganics	Pesticides / PCBs	VOCs	SVOCs	NAPS
MW-26D	N	26-Jun-07	NS	NS	x	x	x
MW-27R	FD	26-Jun-07	NS	NS	x	x	x
	N	26-Jun-07	NS	NS	x	x	x
MW-28R	N	28-Jun-07	NS	NS	x	x	x
MW-5D	FD	19-Jul-95	NS	NS	x	NS	NS
	FD	09-Nov-05	x	x	x	x	NS
	FD	05-Jul-07	NS	x	NS	x	NS
	N	19-Jul-95	NS	NS	x	NS	NS
	N	10-Nov-95	NS	NS	x	NS	NS
	N	22-Jan-96	NS	NS	x	NS	NS
	N	17-Apr-96	x	x	x	x	NS
	N	18-Sep-96	x	x	x	x	x
	N	10-Dec-96	NS	NS	x	NS	NS
	N	13-Feb-97	NS	NS	x	NS	NS
	N	05-Nov-97	x	x	x	x	NS
	N	27-Oct-98	x	x	x	x	x
	N	14-Dec-99	x	x	x	x	NS
	N	07-Dec-00	x	x	x	x	NS
	N	28-Nov-01	x	x	x	x	NS
	N	24-Sep-02	x	x	x	x	x
	N	05-Nov-03	x	x	x	x	NS
	N	16-Nov-04	x	x	x	x	NS
	N	09-Nov-05	x	x	x	x	NS
	N	07-Nov-06	x	x	x	x	NS
	N	05-Jul-07	x	x	x	x	x
MW-7D	FD	07-Nov-06	x	x	x	x	NS
	N	20-Jul-95	NS	NS	x	NS	NS
	N	10-Nov-95	NS	NS	x	NS	NS
	N	22-Jan-96	NS	NS	x	NS	NS
	N	18-Apr-96	x	x	x	x	NS
	N	18-Sep-96	x	x	x	x	x
	N	10-Dec-96	NS	NS	x	NS	NS
	N	12-Feb-97	NS	NS	x	NS	NS
	N	05-Nov-97	x	x	x	x	NS
	N	27-Oct-98	x	x	x	x	x
	N	17-Dec-99	x	x	x	x	NS
	N	07-Dec-00	x	x	x	x	NS
	N	29-Nov-01	x	x	x	x	NS
	N	17-Sep-02	x	x	x	x	x
	N	05-Nov-03	x	x	x	x	NS
	N	18-Nov-04	x	x	x	x	NS
	N	09-Nov-05	x	x	x	x	NS
	N	07-Nov-06	x	x	x	x	NS
	N	05-Jul-07	x	x	x	x	x

1. Water levels are taken during sampling pior to purging.
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
NAPS = Natural Attenuation Parameters
NS = Not Sampled

R2-0000749

Table 3d
Historical Summary of Groundwater Sampling
216 Paterson Plank Road Site

Sample ID	N= Normal, FD = Field Duplicate	Sample Date	Method				
			Inorganics	Pesticides / PCBs	VOCs	SVOCs	NAPS
MW-8D	N	21-Jul-95	NS	NS	x	NS	NS
(Decommissioned	N	09-Nov-95	NS	NS	x	NS	NS
Sept. 1998)	N	19-Jan-96	NS	NS	x	NS	NS
	N	18-Apr-96	x	x	x	x	NS
	N	18-Sep-96	x	x	x	x	x
	N	11-Dec-96	NS	NS	x	NS	NS
	N	11-Feb-97	NS	NS	x	NS	NS
	N	05-Nov-97	x	x	x	x	NS
MW-8R	FD	20-Oct-98	x	NS	NS	NS	NS
	N	19-Sep-96	x	x	x	x	x
	N	20-Oct-98	x	x	x	x	x
	N	17-Sep-02	x	x	x	x	x
	N	27-Jun-07	NS	NS	x	x	x
MW-8S	FD	14-Mar-01	NS	NS	x	NS	NS
	N	21-Jul-95	NS	NS	x	NS	NS
	N	09-Nov-95	NS	NS	x	NS	NS
	N	22-Jan-96	NS	NS	x	NS	NS
	N	18-Apr-96	x	x	x	x	NS
	N	18-Sep-96	x	x	x	x	NS
	N	11-Dec-96	NS	NS	x	NS	NS
	N	11-Feb-97	NS	NS	x	NS	NS
	N	16-Apr-97	NS	NS	x	NS	NS
	N	30-Jul-97	NS	NS	x	NS	NS
	N	05-Nov-97	x	x	x	x	NS
	N	03-Mar-98	NS	NS	x	NS	NS
	N	29-Apr-98	NS	NS	x	NS	NS
	N	15-Jul-98	NS	NS	x	NS	NS
	N	20-Oct-98	x	x	x	x	NS
	N	14-Apr-99	NS	NS	x	NS	NS
	N	22-Jul-99	NS	NS	x	NS	NS
	N	28-Sep-99	NS	NS	x	NS	NS
	N	16-Dec-99	x	x	x	x	NS
	N	05-Dec-00	x	x	x	x	NS
	N	14-Mar-01	NS	NS	x	NS	NS
	N	27-Nov-01	x	x	x	x	NS
	N	17-Sep-02	x	x	x	x	NS
	N	03-Nov-03	x	x	x	x	NS
	N	18-Nov-04	x	x	x	x	NS
	N	09-Nov-05	x	x	x	x	NS
	N	09-Nov-06	x	x	x	x	NS
	N	29-Jun-07	x	x	x	x	NS

1. Water levels are taken during sampling pior to purging.
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
NAPS = Natural Attenuation Parameters
NS = Not Sampled

R2-0000750

Table 3d
Historical Summary of Groundwater Sampling
216 Paterson Plank Road Site

Sample ID	N= Normal, FD = Field Duplicate	Sample Date	Method				
			Inorganics	Pesticides / PCBs	VOCs	SVOCs	NAPS
MW-9S	FD	03-Mar-98	NS	NS	x	NS	NS
	FD	29-Apr-98	NS	NS	x	NS	NS
	FD	14-Apr-99	NS	NS	x	NS	NS
	N	21-Jul-95	NS	NS	x	NS	NS
	N	09-Nov-95	NS	NS	x	NS	NS
	N	19-Jan-96	NS	NS	x	NS	NS
	N	18-Apr-96	x	x	x	x	NS
	N	19-Sep-96	x	x	x	x	NS
	N	11-Dec-96	NS	NS	x	NS	NS
	N	11-Feb-97	NS	NS	x	NS	NS
	N	16-Apr-97	NS	NS	x	NS	NS
	N	30-Jul-97	NS	NS	x	NS	NS
	N	05-Nov-97	x	x	x	x	NS
	N	03-Mar-98	NS	NS	x	NS	NS
	N	29-Apr-98	NS	NS	x	NS	NS
	N	15-Jul-98	NS	NS	x	NS	NS
	N	22-Oct-98	x	x	x	x	NS
	N	14-Apr-99	NS	NS	x	NS	NS
	N	22-Jul-99	NS	NS	x	NS	NS
	N	28-Sep-99	NS	NS	x	NS	NS
	N	15-Dec-99	x	x	x	x	NS
	N	05-Dec-00	x	x	x	x	NS
	N	27-Nov-01	x	x	x	x	NS
	N	17-Sep-02	x	x	x	x	NS
	N	03-Nov-03	x	x	x	x	NS
	N	18-Nov-04	x	x	x	x	NS
	N	09-Nov-05	x	x	x	x	NS
	N	09-Nov-06	x	x	x	x	NS
	N	28-Jun-07	x	x	x	x	NS
RMW-11D	FD	16-Dec-99	x	x	x	x	NS
	FD	06-Dec-00	x	x	x	x	NS
	FD	28-Nov-01	x	x	x	x	NS
	N	27-Oct-98	x	x	x	x	x
	N	16-Dec-99	x	x	x	x	NS
	N	06-Dec-00	x	x	x	x	NS
	N	28-Nov-01	x	x	x	x	NS
	N	19-Sep-02	x	x	x	x	x
	N	04-Nov-03	x	x	x	x	NS
	N	16-Nov-04	x	x	x	x	NS
	N	10-Nov-05	x	x	x	x	NS
	N	07-Nov-06	x	x	x	x	NS
	N	02-Jul-07	x	x	x	x	x

1. Water levels are taken during sampling pior to purging.
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
NAPS = Natural Attenuation Parameters
NS = Not Sampled

R2-0000751

Table 3d
Historical Summary of Groundwater Sampling
216 Paterson Plank Road Site

Sample ID	N= Normal, FD = Field Duplicate	Sample Date	Method				
			Inorganics	Pesticides / PCBs	VOCs	SVOCs	NAPS
RMW-12D	N	05-Nov-98	x	x	x	x	x
	N	16-Dec-99	x	x	x	x	NS
	N	06-Dec-00	x	x	x	x	NS
	N	28-Nov-01	x	x	x	x	NS
	N	26-Sep-02	x	x	x	x	x
	N	04-Nov-03	x	x	x	x	NS
	N	16-Nov-04	x	x	x	x	NS
	N	10-Nov-05	x	x	x	x	NS
	N	08-Nov-06	x	x	x	x	NS
	N	29-Jun-07	x	x	x	x	x
RMW-13D	FD	12-Nov-95	x	x	x	x	NS
	FD	12-Dec-96	NS	NS	x	NS	NS
	FD	11-Feb-97	NS	NS	x	NS	NS
	FD	29-Jun-07	x	NS	x	NS	x
	N	12-Nov-95	x	x	x	x	NS
	N	21-Jan-96	x	x	x	x	NS
	N	21-Apr-96	x	x	x	x	NS
	N	23-Sep-96	x	x	x	x	x
	N	12-Dec-96	NS	NS	x	NS	NS
	N	11-Feb-97	NS	NS	x	NS	NS
	N	04-Nov-97	x	x	x	x	NS
	N	23-Oct-98	x	x	x	x	x
	N	16-Dec-99	x	x	x	x	NS
	N	07-Dec-00	x	x	x	x	NS
	N	28-Nov-01	x	x	x	x	NS
	N	23-Sep-02	x	x	x	x	x
	N	02-Jan-03	x	x	x	x	x
	N	04-Nov-03	NS	NS	x	NS	NS
	N	10-Nov-03	x	x	x	x	NS
	N	16-Nov-04	x	x	x	x	NS
	N	10-Nov-05	x	x	x	x	NS
	N	09-Nov-06	x	x	x	x	NS
	N	29-Jun-07	x	x	x	x	x
RMW-8D	N	20-Oct-98	x	x	x	x	x
	N	15-Dec-99	x	x	x	x	NS
	N	06-Dec-00	x	x	x	x	NS
	N	27-Nov-01	x	x	x	x	NS
	N	17-Sep-02	x	x	x	x	x
	N	03-Nov-03	x	x	x	x	NS
	N	18-Nov-04	x	x	x	x	NS
	N	09-Nov-05	x	x	x	x	NS
	N	08-Nov-06	x	x	x	x	NS
	N	28-Jun-07	x	x	x	x	x

1. Water levels are taken during sampling pior to purging.
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
NAPS = Natural Attenuation Parameters
NS = Not Sampled

R2-0000752

Table 4
Groundwater Elevation Data - June 2007
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

Monitoring Point ID	Date	Time	Depth to Groundwater (feet)	Top of Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)
P-2	6/25/07	0903	9.75	12.76	3.01
P-3	6/25/07	0908	10.31	13.27	2.96
P-4	6/25/07	0923	8.75	11.59	2.84
P-5	6/25/07	0925	N/M	9.97	N/M
P-6	6/25/07	0925	N/M	10.70	N/M
P-8	6/25/07	0929	9.46	11.85	2.39
P-9R	6/25/07	0930	8.21	10.87	2.66
P-10	6/25/07	0937	N/M	11.28	N/M
P-11	6/25/07	0901	N/M	12.14	N/M
P-14	6/25/07	0911	7.63	10.52	2.89
MW-1SR	6/25/07	0928	7.37	9.78	2.41
MW-2S	6/25/07	0932	6.53	9.49	2.96
MW-4S	6/25/07	0934	7.79	10.64	2.85
MW-5S	6/25/07	0911	4.80	7.94	3.14
MW-5SR	6/25/07	0914	4.74	7.70	2.96
MW-5D	6/25/07	0915	7.92	10.23	2.31
MW-6SR	6/25/07	0918	2.51	5.54	3.03
MW-6SRA	6/25/07	0917	2.66	5.61	2.95
MW-7S	6/25/07	0922	5.91	9.27	3.36
MW-7SR	6/25/07	0920	2.22	5.10	2.88
MW-7D	6/25/07	0921	8.97	11.18	2.21
MW-8S	6/25/07	1207	3.11	5.99	2.88
RMW-8D	6/25/07	1206	3.91	5.97	2.06
MW-8R	6/25/07	1232	2.56	5.10	2.54
MW-9S	6/25/07	1212	4.57	6.55	1.98
MW-11S	6/25/07	0949	3.45	6.04	2.59
RMW-11D	6/25/07	0948	3.98	6.34	2.36
MW-11R	6/25/07	0950	3.89	6.19	2.30
MW-12S	6/25/07	1003	3.28	5.63	2.35
RMW-12D	6/25/07	1004	3.65	6.19	2.54
RMW-13D	6/25/07	1022	2.32	4.66	2.34
MW-13R	6/25/07	1022	2.02	4.35	2.33
MW-14D	6/25/07	1047	0.00	2.19	2.19
MW-14R	6/25/07	1047	0.00	2.24	2.24
MW-16D	6/25/07	1018	5.91	6.59	0.68
MW-17D	6/25/07	1234	3.47	5.46	1.99
MW-18D	6/25/07	1224	3.37	5.46	2.09
MW-19D	6/25/07	1128	3.08	5.80	2.72
MW-19R	6/25/07	1131	3.39	5.70	2.31
MW-20D	6/25/07	1055	0.68	2.30	1.62
MW-20R	6/25/07	1058	0.00	2.30	2.30
MW-21D	6/25/07	1213	5.35	6.69	1.34
MW-22D	6/25/07	1209	5.58	6.41	0.83
MW-23R	6/25/07	0959	3.38	5.77	2.39
MW-24D	6/25/07	1246	1.08	4.54	3.46
MW-24R	6/25/07	1247	2.01	4.53	2.52
MW-25D	6/25/07	1119	4.15	6.59	2.44

Table 4
Groundwater Elevation Data - June 2007
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

Monitoring Point ID	Date	Time	Depth to Groundwater (feet)	Top of Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)
MW-25R	6/25/07	1119	4.15	6.54	2.39
MW-26D	6/25/07	1106	2.81	5.05	2.24
MW-27R	6/25/07	1135	3.46	5.92	2.46
MW-28R	6/25/07	1204	3.34	5.92	2.58

Notes:

High tide: 0601
Low Tide: 1217

Tide determined from: http://www.saltwatertides.com/dynamic.dir/newjerseysites.html
The Kills and Newark Bay, Hackensack River, Fish Creek, Berrys Creek tide station used
N/M - Not Measured

TABLE 5A
SUMMARY OF CLP ORGANICS ANALYSES
216 Paterson Plank Road Site
Summary of Detected Compounds for Till Wells
Volatile Organics

Matrix: Groundwater

		Sample Point MW-5D			Sample Point MW-7D			Sample Point RMW-8D			Sample Point RMW-11D			Sample Point RMW-12D		
		Lab ID: 1333101			Lab ID: 1333102			Lab ID: 1330801			Lab ID: 1330817			Lab ID: 1330809		
		Date Sampled: 7/5/2007			Date Sampled: 7/5/2007			Date Sampled: 6/28/2007			Date Sampled: 7/2/2007			Date Sampled: 6/29/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Dichlorodifluoromethane	1000	1.1		0.5												
Vinyl Chloride	1	***150***	*J*	0.5												
Trichlorofluoromethane	2000	1.4	J	0.5												
1,1-Dichloroethene	1	***230***	*J*	0.5												
1,1,2-Trichloro-1,2,2-trifluoroethane		210	J	0.5												
trans-1,2-Dichloroethene	100	2	J	0.5												
1,1-Dichloroethane	50	36	J	0.5	0.13	J	0.5							0.1	J	0.5
cis-1,2-Dichloroethene	70	***830***		0.5				0.77	J	0.5	0.27	J	0.5	1.9	J	0.5
2-Butanone	300													3.1	J	5
Chloroform	70	***200***	*J*	0.5												
1,1,1-Trichloroethane	30	20	J	0.5												
Benzene	1	***15***		0.5												
1,2-Dichloroethane	2	***84***	*J*	0.5												
Trichloroethene	1	***3400***		0.5	***3.7***		0.5	0.3	J	0.5	0.87		0.5	0.93		0.5
Methylcyclohexane		1.2		0.5												
1,2-Dichloropropane	1	***1.1***		0.5												
1,1,2-Trichloroethane	3	0.92		0.5												
Tetrachloroethene	1	***980***		0.5	0.62		0.5				0.79		0.5	0.29	J	0.5
Chlorobenzene	50	23		0.5												
Ethylbenzene	700	3		0.5												
Xylene (total)	1000	7.2		0.5												
Isopropylbenzene	700	0.56		0.5												
1,2-Dichlorobenzene	600	3.8		0.5												
1,2,4-Trichlorobenzene	9	***77***	*J*	0.5												
1,4-Dioxane		3.7		2		NA		0.99	J	2		NA		1.2	J	2

TABLE 5A
SUMMARY OF CLP ORGANICS ANALYSES
216 Paterson Plank Road Site
Summary of Detected Compounds for Till Wells
Volatile Organics

Matrix: Groundwater

		Sample Point RMW-13D			Sample Point FDMW-13D			Sample Point MW-14D			Sample Point MW-16D			Sample Point MW-17D		
		Lab ID: 1330810			Lab ID: 1330811			Lab ID: 1330821			Lab ID: 1330820			Lab ID: 1328815		
		Date Sampled: 6/29/2007			Date Sampled: 6/29/2007			Date Sampled: 7/2/2007			Date Sampled: 7/2/2007			Date Sampled: 6/27/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Vinyl Chloride	1	***18***		0.5	***17***		0.5	***1.2***		0.5	0.4	J	0.5			
Trichlorofluoromethane	2000				0.11	J	0.5									
1,1-Dichloroethene	1	***49***	*J*	0.5	***31***		0.5	0.74		0.5	***7.4***		0.5			
1,1,2-Trichloro-1,2,2-trifluoroethane		9.6		0.5	7.2		0.5	0.5		0.5	3.2		0.5			
trans-1,2-Dichloroethene	100	0.71	J	0.5	0.8	J	0.5				0.4	J	0.5			
Methyl-tert-butyl ether	70													10		0.5
1,1-Dichloroethane	50	10		0.5	11		0.5	1.1		0.5	3.1		0.5	0.79		0.5
cis-1,2-Dichloroethene	70	***290***		0.5	***300***		0.5	1.1		0.5	27		0.5	2.2	J	0.5
2-Butanone	300	3	J	5	7.6	J	5									
Chloroform	70	30		0.5	31		0.5	3.6		0.5						
1,1,1-Trichloroethane	30	2		0.5	2.1		0.5				2.1		0.5			
Benzene	1	***1.5***		0.5	***1.5***		0.5									
1,2-Dichloroethane	2	***22***		0.5	***24***		0.5				***8.2***		0.5			
Trichloroethene	1	***150***		0.5	***190***		0.5	***8.7***	***J***	0.5	***66***		0.5	0.29	J	0.5
Tetrachloroethene	1	***26***	*J*	0.5	***27***	***J***	0.5	0.12	J	0.5	***9.5***		0.5			
Chlorobenzene	50	1.3		0.5	1.4		0.5				0.11	J	0.5			
1,2-Dichlorobenzene	600													0.13	J	0.5
1,4-Dioxane		1.1	J	2		NA			NA					5.3		2

		Sample Point MW-18D			Sample Point MW-19D			Sample Point MW-19D			Sample Point MW-20D			Sample Point MW-20D Dup		
		Lab ID: 1328816			Lab ID: 1193805			Lab ID: 1328806			Lab ID: 1193802			Lab ID: 1193803		
		Date Sampled: 6/27/2007			Date Sampled: 12/21/2006			Date Sampled: 6/26/2007			Date Sampled: 12/21/2006			Date Sampled: 12/21/2006		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Vinyl Chloride	1										***29***	***J***	50	***29***	***J***	50
1,1-Dichloroethene	1										***20***	***J***	50	***20***	***J***	50
Acetone	6000				5	J	10							20	J	50
Methyl-tert-butyl ether	70	10		0.5												
1,1-Dichloroethane	50	0.85		0.5							13	J	50	13	J	50
cis-1,2-Dichloroethene	70	0.92	J	0.5				0.11	J	0.5	***340***		50	***350***		50
Chloroform	70										19	J	50	19	J	50
1,2-Dichloroethane	2										***20***	***J***	50	***20***	***J***	50
Trichloroethene	1	0.24	J	0.5							***200***		50	***200***		50
Tetrachloroethene	1										***26***	***J***	50	***25***	***J***	50
1,4-Dioxane			NA						NA		6.3		2	5.7		2

TABLE 5A
SUMMARY OF CLP ORGANICS ANALYSES
216 Paterson Plank Road Site
Summary of Detected Compounds for Till Wells
Volatile Organics

Matrix: Groundwater

		Sample Point MW-20D			Sample Point MW-21D			Sample Point MW-22D			Sample Point MW-24D			Sample Point MW-25D		
		Lab ID: 1328818			Lab ID: 1330804			Lab ID: 1330803			Lab ID: 1328808			Lab ID: 1328801		
		Date Sampled: 6/27/2007			Date Sampled: 6/28/2007			Date Sampled: 6/28/2007			Date Sampled: 6/26/2007			Date Sampled: 6/25/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Dichlorodifluoromethane	1000	0.77		0.5												
Chloromethane														0.11	J	0.5
Vinyl Chloride	1	***32***		0.5	***15***	***J***	16							0.21	J	0.5
Chloroethane					360		16									
1,1-Dichloroethene	1	***24***		0.5										***2.9***		0.5
1,1,2-Trichloro-1,2,2-trifluoroethane		5.8		0.5										0.77		0.5
Carbon Disulfide	700													1.1		0.5
trans-1,2-Dichloroethene	100	1.2	J	0.5												
1,1-Dichloroethane	50	13		0.5	***600***		16	0.9		0.5	0.28	J	0.5	1.5		0.5
cis-1,2-Dichloroethene	70	***370***		0.5	7.4	J	16				1.2	J	0.5	13		0.5
Chloroform	70	14		0.5										0.68		0.5
1,1,1-Trichloroethane	30	1.8		0.5										0.25	J	0.5
Benzene	1	***3.7***		0.5	***350***		16							0.21	J	0.5
1,2-Dichloroethane	2	***19***		0.5							0.46	J	0.5	***3.1***		0.5
Trichloroethene	1	***210***		0.5	***8.2***	***J***	16				***2.8***		0.5	***23***		0.5
Toluene	600													0.72		0.5
Tetrachloroethene	1	***22***		0.5							0.52		0.5	***1.9***		0.5
Chlorobenzene	50	0.9		0.5												
Xylene (total)	1000													0.15	J	0.5
1,4-Dioxane			NA		2800		830		NA		0.47	J	2	1	J	2

		Sample Point MW-26D			Sample Point			Sample Point			Sample Point			Sample Point		
		Lab ID: 1328807			Lab ID:			Lab ID:			Lab ID:			Lab ID:		
		Date Sampled: 6/26/2007			Date Sampled:			Date Sampled:			Date Sampled:			Date Sampled:		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
1,1-Dichloroethane	50	0.46	J	0.5												
cis-1,2-Dichloroethene	70	2.6		0.5												
Chloroform	70	0.95		0.5												
Trichloroethene	1	0.25	J	0.5												
1,4-Dioxane		0.84	J	2												

TABLE 5A
SUMMARY OF CLP ORGANICS ANALYSES
216 Paterson Plank Road Site
Summary of Detected Compounds for Till Wells
Volatile Organics

Matrix: Groundwater

Checked by: LB Date: 8/23/2007

Notes: All units are µg/l. NA = Not Analyzed. Blank Spaces indicate that an analyte was not detected.
See "Notes and Qualifiers for Analytical Results" for qualifier definitions.
The Qual column indicates the qualifier, if any, applied to the result by the laboratory or by Golder Associates following data review.
Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold and italic font.

TABLE 5A
SUMMARY OF CLP ORGANICS ANALYSES
216 Paterson Plank Road Site
Summary of Detected Compounds for Till Wells
Semivolatile Organics

Matrix: Groundwater

		Sample Point MW-5D			Sample Point MW-5DFD			Sample Point MW-7D			Sample Point RMW-8D			Sample Point RMW-11D		
		Lab ID: 1333101			Lab ID: 1333104			Lab ID: 1333102			Lab ID: 1330801			Lab ID: 1330817		
		Date Sampled: 7/5/2007			Date Sampled: 7/5/2007			Date Sampled: 7/5/2007			Date Sampled: 6/28/2007			Date Sampled: 7/2/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Bis(2-ethylhexyl) phthalate	3										***5***	***J***	10			

		Sample Point RMW-12D			Sample Point RMW-13D			Sample Point MW-14D			Sample Point MW-16D			Sample Point MW-17D		
		Lab ID: 1330809			Lab ID: 1330810			Lab ID: 1330821			Lab ID: 1330820			Lab ID: 1328815		
		Date Sampled: 6/29/2007			Date Sampled: 6/29/2007			Date Sampled: 7/2/2007			Date Sampled: 7/2/2007			Date Sampled: 6/27/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
No Analytes Detected																

		Sample Point MW-18D			Sample Point MW-19D			Sample Point MW-20D			Sample Point MW-21D			Sample Point MW-22D		
		Lab ID: 1328816			Lab ID: 1328806			Lab ID: 1328818			Lab ID: 1330804			Lab ID: 1330803		
		Date Sampled: 6/27/2007			Date Sampled: 6/26/2007			Date Sampled: 6/27/2007			Date Sampled: 6/28/2007			Date Sampled: 6/28/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Phenol	2000										3	J	10			

		Sample Point MW-24D			Sample Point MW-25D			Sample Point MW-26D			Sample Point			Sample Point		
		Lab ID: 1328808			Lab ID: 1328801			Lab ID: 1328807			Lab ID:			Lab ID:		
		Date Sampled: 6/26/2007			Date Sampled: 6/25/2007			Date Sampled: 6/26/2007			Date Sampled:			Date Sampled:		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Di-n-butyl phthalate	700				2	J	10									
Bis(2-ethylhexyl) phthalate	3				***4***	***J***	10									

Notes: All units are µg/l.
See "Notes and Qualifiers for Analytical Results" for qualifier definitions.
The Qual column indicates the qualifier, if any, applied to the result by the laboratory or by Golder Associates following data review.
Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold and italic font.

Checked by: LB Date: 8/23/2007

TABLE 5A
SUMMARY OF NATURAL ATTENUATION PARAMETERS
216 Paterson Plank Road Site
Summary of Detected Compounds for Till Wells
Natural Attenuation Parameters

Matrix: Groundwater

		Sample Point MW-5D			Sample Point MW-7D			Sample Point RMW-8D			Sample Point RMW-11D			Sample Point RMW-12D		
		Lab ID: 1333101			Lab ID: 1333102			Lab ID: 1330801			Lab ID: 1330817			Lab ID: 1330809		
		Date Sampled: 7/5/2007			Date Sampled: 7/5/2007			Date Sampled: 6/28/2007			Date Sampled: 7/2/2007			Date Sampled: 6/29/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Nitrate/Nitrite-N	10							1.45		0.05	0.395		0.05			
Total Alkalinity		25.3		10	27.5		10	30.4		10	34.7		10	49.1		10
Chloride	250	***350***		2	38.8		2	23.5		2	22.3		2	67.8		2
Ethane		2.2		0.025	0.021	J	0.025	0.026		0.025	0.031		0.025	0.027		0.025
Ethene		20		0.025	0.027		0.025	0.029		0.025	0.04		0.025	0.011	J	0.025
Methane		150		0.1	6.2		0.1	35		0.1	8.2		0.1	3.3		0.1
Sulfate	250	***300***		5	***329***		5	37		5	7.89		5	16		5
TKN		0.287		0.25				0.774		0.25						
TOC		2.48	J	5				1.98	J	5	4.59	J	5	2.96	J	5

		Sample Point RMW-13D			Sample Point FDMW-13D			Sample Point MW-14D			Sample Point MW-16D			Sample Point MW-17D		
		Lab ID: 1330810			Lab ID: 1330811			Lab ID: 1330821			Lab ID: 1330820			Lab ID: 1328815		
		Date Sampled: 6/29/2007			Date Sampled: 6/29/2007			Date Sampled: 7/2/2007			Date Sampled: 7/2/2007			Date Sampled: 6/27/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Total Alkalinity		41.1		10	41.1		10	20		10	11.3		10	160		10
Chloride	250	237		2	242		4	132		2	***532***		8	***489***		2
Ethane		0.29		0.025	0.26		0.025	0.055		0.025	0.019	J	0.025	0.27		0.025
Ethene		1.2		0.025	1.1		0.025	0.22		0.025	0.081		0.025	0.024	J	0.025
Methane		38		0.1	31		0.1	11		0.1	82		0.1	19		0.1
Total Phosphorus					0.0997	J	0.25									
Sulfate	250	39		5	44.8		5	***294***		5	178		5	185		5
TKN		0.684		0.25	0.751		0.25	0.169	J	0.25	0.443		0.25	0.155	J	0.25
TOC		4.94	J	5	4.83	J	5							7.07		5

TABLE 5A
SUMMARY OF NATURAL ATTENUATION PARAMETERS
216 Paterson Plank Road Site
Summary of Detected Compounds for Till Wells
Natural Attenuation Parameters

Matrix: Groundwater

		Sample Point MW-18D			Sample Point MW-19D			Sample Point MW-20D			Sample Point MW-21D			Sample Point MW-22D		
		Lab ID: 1328816			Lab ID: 1328806			Lab ID: 1328818			Lab ID: 1330804			Lab ID: 1330803		
		Date Sampled: 6/27/2007			Date Sampled: 6/26/2007			Date Sampled: 6/27/2007			Date Sampled: 6/28/2007			Date Sampled: 6/28/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Nitrate/Nitrite-N	10	0.26		0.05	0.695		0.05									
Total Alkalinity		125		10	55.1		10	22.7		10	446		10	18.9		10
Chloride	250	***557***		2	29.5		2	***340***		2	***2830***		40	***1940***		20
Ethane		0.36		0.025	0.022	J	0.025	0.78		0.025	140		0.025	23		0.025
Ethene		0.021	J	0.025	0.017	J	0.025	9.8		0.025	1300		0.1	2.3		0.025
Methane		15		0.1	0.61		0.1	50		0.1	5600		0.12	930		0.1
Total Phosphorus											0.155	J	0.25			
Sulfate	250	194		5	26.3		5	***269***		5	13.6		5	194		5
TKN		0.624		0.25				0.29		0.25	2.7		0.25	0.668		0.25
TOC		2.45	J	5	2.02	J	5				15.2		5	10.8		5

		Sample Point MW-24D			Sample Point MW-25D			Sample Point MW-26D			Sample Point			Sample Point		
		Lab ID: 1328808			Lab ID: 1328801			Lab ID: 1328807			Lab ID:			Lab ID:		
		Date Sampled: 6/26/2007			Date Sampled: 6/25/2007			Date Sampled: 6/26/2007			Date Sampled:			Date Sampled:		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Total Alkalinity		32.6		10	28.5		10	39.3		10						
Chloride	250	43.4		2	***297***		4	105		2						
Ethane		0.2		0.025	0.2		0.025	0.15		0.025						
Ethene		0.1		0.025	0.31		0.025	0.19		0.025						
Methane		35		0.1	50		0.1	21		0.1						
Total Phosphorus					0.093	J	0.25									
Sulfate	250	223		5	219		10	***300***		5						
TKN					0.576		0.25	0.249	J	0.25						
TOC								6.77		5						

Notes: All units are mg/L except Ethane and Ethene which are reported in µg/L.
See "Notes and Qualifiers for Analytical Results" for qualifier definitions.
The Qual column indicates the qualifier, if any, applied to the result by the laboratory or by Golder Associates following data review.
Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold and italic font.

Checked by: LB Date: 8/23/2007

TABLE 5B
SUMMARY OF CLP ORGANICS ANALYSES
216 Paterson Plank Road Site
Summary of Detected Compounds for Bedrock Wells
Volatile Organics

Matrix: Groundwater

		Sample Point MW-8R			Sample Point MW-11R			Sample Point MW-13R			Sample Point MW-14R			Sample Point MW-19R		
		Lab ID: 1328817			Lab ID: 1330819			Lab ID: 1330812			Lab ID: 1328819			Lab ID: 1193806		
		Date Sampled: 6/27/2007			Date Sampled: 7/2/2007			Date Sampled: 6/29/2007			Date Sampled: 6/27/2007			Date Sampled: 12/21/2006		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Vinyl Chloride	1							***86***		0.5						
1,1-Dichloroethene	1							***24***		0.5				***9***	***J***	10
1,1,2-Trichloro-1,2,2-trifluoroethane								3.7		0.5				4	J	10
Carbon Disulfide	700	0.1	J	0.5				0.13	J	0.5	0.11	J	0.5			
trans-1,2-Dichloroethene	100				0.35	J	0.5	0.73	J	0.5						
Methyl-tert-butyl ether	70	0.45	J	0.5				0.16	J	0.5						
1,1-Dichloroethane	50	1.3		0.5	0.16	J	0.5	5.7		0.5				4	J	10
cis-1,2-Dichloroethene	70	0.19	J	0.5	2.3		0.5	***140***		0.5	0.46	J	0.5	41		10
2-Butanone	300							5.1	J	5						
Chloroform	70	0.45	J	0.5				22		0.5				2	J	10
1,1,1-Trichloroethane	30							0.66		0.5						
Benzene	1							***1.2***		0.5						
1,2-Dichloroethane	2				0.89		0.5	***9.9***		0.5				***9***	***J***	10
Trichloroethene	1	0.12	J	0.5	***7.5***		0.5	***230***		0.5	0.28	J	0.5	***120***		10
Tetrachloroethene	1				***5.6***		0.5	***29***		0.5				***27***		10
Chlorobenzene	50							1.3		0.5						
1,4-Dichlorobenzene	75	0.16	J	0.5												
1,4-Dioxane			NA					0.85	J	2		NA		4		2

TABLE 5B
SUMMARY OF CLP ORGANICS ANALYSES
216 Paterson Plank Road Site
Summary of Detected Compounds for Bedrock Wells
Volatile Organics

Matrix: Groundwater

		Sample Point MW-19R			Sample Point MW-20R			Sample Point MW-20R			Sample Point MW-23R			Sample Point MW-24R		
		Lab ID: 1328805			Lab ID: 1193801			Lab ID: 1328820			Lab ID: 1330818			Lab ID: 1328814		
		Date Sampled: 6/26/2007			Date Sampled: 12/21/2006			Date Sampled: 6/27/2007			Date Sampled: 7/2/2007			Date Sampled: 6/27/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Dichlorodifluoromethane	1000													0.53		0.5
1,1-Dichloroethene	1													0.47	J	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane		0.23	J	0.5										0.63		0.5
Acetone	6000													55	J	5
Carbon Disulfide	700													0.15	J	0.5
1,1-Dichloroethane	50	0.19	J	0.5										0.59		0.5
cis-1,2-Dichloroethene	70	2		0.5				0.23	J	0.5	0.16	J	0.5	2.5		0.5
Chloroform	70													0.53		0.5
Benzene	1										0.1	J	0.5	0.16	J	0.5
1,2-Dichloroethane	2													1.6		0.5
Trichloroethene	1	***5.7***		0.5				0.56		0.5	***1.5***		0.5	***6.8***		0.5
Tetrachloroethene	1	***1.2***		0.5							0.26	J	0.5	***2.8***		0.5
1,4-Dichlorobenzene	75													0.15	J	0.5
1,2-Dichlorobenzene	600													0.11	J	0.5
1,4-Dioxane			NA						NA					0.67	J	2

		Sample Point MW-25R			Sample Point MW-27R			Sample Point MW-27RFD			Sample Point MW-28R			Sample Point		
		Lab ID: 1328802			Lab ID: 1328803			Lab ID: 1328804			Lab ID: 1330802			Lab ID:		
		Date Sampled: 6/25/2007			Date Sampled: 6/26/2007			Date Sampled: 6/26/2007			Date Sampled: 6/28/2007			Date Sampled:		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Carbon Disulfide	700										0.15	J	0.5			
cis-1,2-Dichloroethene	70										0.16	J	0.5			
Chloroform	70				1		0.5	0.89		0.5						
Benzene	1							0.13	J	0.5						
Trichloroethene	1	0.14	J	0.5	0.15	J	0.5	0.13	J	0.5						
4-Methyl-2-pentanone								1.6	J	5						
Tetrachloroethene	1	0.1	J	0.5												
Xylene (total)	1000				0.91		0.5	0.59		0.5						
1,4-Dioxane											1.8	J	2			

TABLE 5B
SUMMARY OF CLP ORGANICS ANALYSES
216 Paterson Plank Road Site
Summary of Detected Compounds for Bedrock Wells
Volatile Organics

Matrix: Groundwater

Checked by: LB Date: 8/23/2007

Notes: All units are µg/l.
See "Notes and Qualifiers for Analytical Results" for qualifier definitions.
The Qual column indicates the qualifier, if any, applied to the result by the laboratory or by Golder Associates following data review.
Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold and italic font.

TABLE 5B
SUMMARY OF CLP ORGANICS ANALYSES
216 Paterson Plank Road Site
Summary of Detected Compounds for Bedrock Wells
Semivolatile Organics

Matrix: Groundwater

		Sample Point MW-8R			Sample Point MW-11R			Sample Point MW-13R			Sample Point MW-14R			Sample Point MW-19R		
		Lab ID: 1328817			Lab ID: 1330819			Lab ID: 1333105			Lab ID: 1328819			Lab ID: 1328805		
		Date Sampled: 6/27/2007			Date Sampled: 7/2/2007			Date Sampled: 7/5/2007			Date Sampled: 6/27/2007			Date Sampled: 6/26/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Bis(2-ethylhexyl) phthalate	3	***7***	*J*	10												

		Sample Point MW-20R			Sample Point MW-23R			Sample Point MW-24R			Sample Point MW-25R			Sample Point MW-27R		
		Lab ID: 1328820			Lab ID: 1330818			Lab ID: 1328814			Lab ID: 1328802			Lab ID: 1328803		
		Date Sampled: 6/27/2007			Date Sampled: 7/2/2007			Date Sampled: 6/27/2007			Date Sampled: 6/25/2007			Date Sampled: 6/26/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Phenanthrene								2	J	10						
Fluoranthene	300							3	J	10						
Pyrene	200							2	J	10						

		Sample Point MW-27RFD			Sample Point MW-28R			Sample Point			Sample Point			Sample Point		
		Lab ID: 1328804			Lab ID: 1330802			Lab ID:			Lab ID:			Lab ID:		
		Date Sampled: 6/26/2007			Date Sampled: 6/28/2007			Date Sampled:			Date Sampled:			Date Sampled:		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
No Analytes Detected																

Notes: All units are µg/l.
See "Notes and Qualifiers for Analytical Results" for qualifier definitions.
The Qual column indicates the qualifier, if any, applied to the result by the laboratory or by Golder Associates following data review.
Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold and italic font.

Checked by: LB Date: 8/23/2007

TABLE 5B
SUMMARY OF NATURAL ATTENUATION PARAMETERS
216 Paterson Plank Road Site
Summary of Detected Compounds for Bedrock Wells
Natural Attenuation Parameters

Matrix: Groundwater

		Sample Point MW-8R			Sample Point MW-11R			Sample Point MW-13R			Sample Point MW-14R			Sample Point MW-19R		
		Lab ID: 1328817			Lab ID: 1330819			Lab ID: 1330812			Lab ID: 1328819			Lab ID: 1328805		
		Date Sampled: 6/27/2007			Date Sampled: 7/2/2007			Date Sampled: 6/29/2007			Date Sampled: 6/27/2007			Date Sampled: 6/26/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Total Alkalinity		35.2		10	58.5		10	38.7		10	12.8		10	25.8		10
Chloride	250	***828***		2	24.1		2	***890***		10	96.9		2	23.1		2
Ethane		1		0.025	0.14		0.025	17		0.025	0.029		0.025	0.24		0.025
Ethene		0.019	J	0.025	0.14		0.025	2.1		0.025	0.021	J	0.025	0.24		0.025
Methane		94		0.1	400		0.1	1200		0.1	20		0.1	7.2		0.1
Total Phosphorus								0.131	J	0.25						
Sulfate	250	***278***		5	10.4		5	47.1		5	***407***		5	21.6		5
TKN		0.58		0.25	0.202	J	0.25	1.27		0.25				0.119	J	0.25
TOC		2.52	J	5	5.09		5	7.79		5				3.29	J	5

		Sample Point MW-20R			Sample Point MW-23R			Sample Point MW-24R			Sample Point MW-25R			Sample Point MW-27R		
		Lab ID: 1328820			Lab ID: 1330818			Lab ID: 1328814			Lab ID: 1328802			Lab ID: 1328803		
		Date Sampled: 6/27/2007			Date Sampled: 7/2/2007			Date Sampled: 6/27/2007			Date Sampled: 6/25/2007			Date Sampled: 6/26/2007		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Total Alkalinity		18		10	57.2		10	103		10	16.2		10	426		10
Chloride	250	97.9		2	7.37		2	54		2	19.6		2	37.8		2
Ethane		0.013	J	0.025	0.48		0.025	1		0.025	1.1		0.025	0.76		0.025
Ethene		0.017	J	0.025	0.23		0.025	0.64		0.025	0.55		0.025	0.45		0.025
Methane		3.5		0.1	2.6		0.1	92		0.1	1.9		0.1	1.9		0.1
Sulfate	250	***306***		5	98.5		5	***309***		5	219		5	***498***		5
Sulfide														2.8		1
TKN		0.201	J	0.25										1.06		0.25
TOC		6.41		5				1.84	J	5	3.19	J	5	7.04		5

TABLE 5B
SUMMARY OF NATURAL ATTENUATION PARAMETERS
216 Paterson Plank Road Site
Summary of Detected Compounds for Bedrock Wells
Natural Attenuation Parameters

Matrix: Groundwater

		Sample Point MW-27RFD			Sample Point MW-28R			Sample Point			Sample Point			Sample Point		
		Lab ID: 1328804			Lab ID: 1330802			Lab ID:			Lab ID:			Lab ID:		
		Date Sampled: 6/26/2007			Date Sampled: 6/28/2007			Date Sampled:			Date Sampled:			Date Sampled:		
Parameter	GWQS	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Total Alkalinity		435		10	21.3		10									
Chloride	250	38		2	249		4									
Ethane		0.86		0.025	1.1		0.025									
Ethene		0.48		0.025	0.36		0.025									
Methane		2		0.1	82		0.1									
Sulfate	250	***494***		5	***382***		5									
Sulfide		2.6		1												
TKN		1.04		0.25	0.383		0.25									
TOC		6.91		5												

Notes: All units are mg/L except Ethane and Ethene which are reported in µg/L.
See "Notes and Qualifiers for Analytical Results" for qualifier definitions.
The Qual column indicates the qualifier, if any, applied to the result by the laboratory or by Golder Associates following data review.
Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold and italic font.

Checked by: LB Date: 8/23/2007

Table 6
Summary of Historical VOC Analytical Data
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

	ID	PCE				TCE				DCE				VC			
	NJ STD (µg/L)	1				1				70				1			
		Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples
TILL	MW-5D	1000	980	2%	18/18	4100	3400	17%	18/18	950	830	13%	18/18	150	150	0%	12/18
	MW-7D	5	0.62	88%	4/18	8	3.7	54%	12/18	0.6	ND	100%	0/18	ND	ND	-	0/18
	RMW-8D	2	ND	100%	1/10	41	0.3	99%	6/10	180	0.77	100%	5/10	ND	ND	-	0/10
	MW-10D	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3
	RMW-11D	82	0.79	99%	8/10	52	0.87	98%	9/10	24	0.27	99%	0/10	ND	ND	-	0/10
	RMW-12D	22	0.29	99%	4/10	140	0.93	99%	5/10	530	1.9	100%	3/10	29	ND	100%	4/10
	RMW-13D	450	26	94%	18/18	6400	150	98%	18/18	10000	290	97%	16/18	92	18	80%	13/18
	MW-14D	2	0.12	94%	1/4	45	8.7	81%	4/4	1.1	1.1	0%	0/4	1.2	1.2	0%	1/4
	MW-15D	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3
	MW-16D	21	9.5	55%	4/4	76	66	13%	4/4	31	27	13%	0/4	0.4	0.4	0%	0/4
	MW-17D	0.4	ND	100%	0/4	1	0.29	71%	1/4	5	2.2	56%	0/4	0.2	ND	100%	0/4
	MW-18D	ND	ND	-	0/4	0.7	0.24	66%	0/4	3	0.92	69%	0/4	0.2	ND	100%	0/4
	MW-19D	ND	ND	-	0/4	4	ND	100%	1/4	2	ND	100%	0/4	ND	ND	-	0/4
	MW-20D	26	22	15%	4/5	210	210	0%	4/5	370	370	0%	4/5	32	32	0%	4/5
	MW-21D	ND	ND	-	0/3	61	8.2	87%	3/3	45	7.4	84%	0/3	25	15	40%	3/3
	MW-22D	ND	ND	-	0/2	ND	ND	-	0/2	ND	ND	-	0/2	ND	ND	-	0/2
	MW-24D	0.52	0.52	0%	0/1	2.8	2.8	0%	1/1	1.2	1.2	0%	0/1	ND	ND	-	0/1
	MW-25D	1.9	1.9	0%	1/1	23	23	0%	1/1	13	13	0%	0/1	0.21	0.21	0%	0/1
	MW-26D	ND	ND	-	0/1	0.25	0.25	0%	0/1	2.6	2.6	0%	0/1	ND	ND	-	0/1
BEDROCK	MW-8R	ND	ND	-	0/4	0.12	0.12	0%	0/4	0.19	0.19	0%	0/4	ND	ND	-	0/4
	MW-10R	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3
	MW-11R	590	4.6	99%	5/5	420	7.5	98%	5/5	180	2.3	99%	3/5	1	ND	100%	0/5
	MW-13R	350	29	92%	3/4	1800	230	87%	4/4	1400	140	90%	2/4	86	86	0%	2/4
	MW-14R	ND	ND	-	0/4	2	0.28	86%	2/4	0.46	0.46	0%	0/4	ND	ND	-	0/4
	MW-15R	0.3	0.3	0%	0/1	ND	ND	-	0/1	0.2	0.2	0%	0/1	ND	ND	-	0/1
	MW-19R	27	1.2	96%	3/3	120	5.7	95%	3/3	41	2	95%	0/3	ND	ND	-	0/3
	MW-20R	ND	ND	-	0/4	0.56	0.56	0%	0/4	0.4	0.23	43%	0/4	ND	ND	-	0/4
	MW-23R	0.8	0.26	68%	0/2	5	1.5	70%	2/2	0.4	0.16	60%	0/2	ND	ND	-	0/2
	MW-24R	2.8	2.8	-	1/1	6.8	6.8	0%	1/1	2.5	2.5	0%	0/1	ND	ND	-	0/1
	MW-25R	0.1	0.1	-	0/1	0.14	0.14	0%	0/1	ND	ND	-	0/1	ND	ND	-	0/1
	MW-27R	ND	ND	-	0/1	0.15	0.15	0%	0/1	ND	ND	-	0/1	ND	ND	-	0/1
	MW-28R	ND	ND	-	0/1	ND	ND	-	0/1	0.16	0.16	0%	0/1	ND	ND	-	0/1

Table 6
Summary of Historical VOC Analytical Data
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

	ID	1,1,1-TCA				1,1,2-TCA				1,1-DCA				1,1-DCE				1,2-DCA			
	NJ STD (µg/L)	30				3				50				1				2			
		Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples
TILL	MW-5D	78	20	74%	13/18	1	0.92	8%	0/18	36	36	0%	0/18	320	230	28%	18/18	110	84	24%	18/18
TILL	MW-7D	ND	ND	-	0/18	ND	ND	-	0/18	0.13	0.13	0%	0/18	ND	ND	-	0/18	ND	ND	-	0/18
TILL	RMW-8D	ND	ND	-	0/10	ND	ND	-	0/10	ND	ND	-	0/10	1	ND	100%	0/10	ND	ND	-	0/10
TILL	MW-10D	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3
TILL	RMW-11D	1	ND	100%	0/10	2	ND	100%	0/10	3	ND	100%	0/10	4	ND	100%	2/10	13	ND	100%	3/10
TILL	RMW-12D	13	ND	100%	0/10	ND	ND	-	0/10	27	0.1	100%	0/10	37	ND	100%	6/10	46	ND	100%	6/10
TILL	RMW-13D	90	2	98%	10/18	1	ND	100%	0/18	94	10	89%	8/18	360	49	86%	17/18	230	22	90%	17/18
TILL	MW-14D	1	ND	100%	0/4	ND	ND	-	0/4	1.1	1.1	-	0/4	0.74	0.74	0%	0/4	ND	ND	-	0/4
TILL	MW-15D	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3
TILL	MW-16D	3	2.1	30%	0/4	ND	ND	-	0/4	3.1	3.1	0%	0/4	7.4	7.4	0%	4/4	11	8.2	25%	4/4
TILL	MW-17D	ND	ND	-	0/4	ND	ND	-	0/4	0.9	0.79	12%	0/4	0.3	ND	100%	0/4	ND	ND	-	0/4
TILL	MW-18D	ND	ND	-	0/4	ND	ND	-	0/4	0.85	0.85	0%	0/4	0.2	ND	100%	0/4	ND	ND	-	0/4
TILL	MW-19D	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4
TILL	MW-20D	4	1.8	55%	0/5	ND	ND	-	0/5	15	13	13%	0/5	24	24	0%	4/5	20	19	5%	4/5
TILL	MW-21D	ND	ND	-	0/3	ND	ND	-	0/3	2200	600	73%	3/3	0.3	ND	100%	0/3	1	ND	100%	0/3
TILL	MW-22D	ND	ND	-	0/2	ND	ND	-	0/2	1	0.9	10%	0/2	ND	ND	-	0/2	ND	ND	-	0/2
TILL	MW-24D	ND	ND	-	0/1	ND	ND	-	0/1	0.28	0.28	0%	0/1	ND	ND	-	0/1	0.46	0.46	0%	0/1
TILL	MW-25D	0.25	0.25	0%	0/1	ND	ND	-	0/1	1.5	1.5	0%	0/1	2.9	2.9	0%	1/1	3.1	3.1	0%	1/1
TILL	MW-26D	ND	ND	-	0/1	ND	ND	-	0/1	0.46	0.46	0%	0/1	ND	ND	-	0/1	ND	ND	-	0/1
BEDROCK	MW-8R	ND	ND	-	0/4	ND	ND	-	0/4	1.3	1.3	0%	0/4	ND	ND	-	0/4	ND	ND	-	0/4
BEDROCK	MW-10R	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	1	1	0%	0/3
BEDROCK	MW-11R	6	ND	100%	0/5	ND	ND	-	0/5	9	0.16	98%	0/5	19	ND	100%	4/5	63	0.89	99%	4/5
BEDROCK	MW-13R	41	0.66	98%	1/4	ND	ND	-	0/4	43	5.7	87%	0/4	140	24	83%	2/4	96	9.9	90%	2/4
BEDROCK	MW-14R	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4
BEDROCK	MW-15R	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1
BEDROCK	MW-19R	0.2	ND	100%	0/3	ND	ND	-	0/3	0.3	0.19	37%	0/3	9	ND	100%	1/3	9	ND	100%	1/3
BEDROCK	MW-20R	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4
BEDROCK	MW-23R	ND	ND	-	0/2	ND	ND	-	0/2	ND	ND	-	0/2	0.4	ND	100%	0/2	ND	ND	-	0/2
BEDROCK	MW-24R	ND	ND	-	0/1	ND	ND	-	0/1	0.59	0.59	0%	0/1	0.47	0.47	0%	0/1	1.6	1.6	0%	0/1
BEDROCK	MW-25R	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1
BEDROCK	MW-27R	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1
BEDROCK	MW-28R	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1

Table 6
Summary of Historical VOC Analytical Data
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

	ID	CT				CF				Benzene				Ethylbenzene				Toluene				Xylene (total)			
	NJ STD (µg/L)	1				70				1				700				600				1000			
		Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples	Max. Conc. (µg/L)	Latest Conc. (µg/L)	Reduction from max.	#exceed/ #samples
TILL	MW-5D	ND	ND	-	0/18	210	200	5%	18/18	20	15	25%	8/18	11	3	73%	0/18	51	ND	100%	0/18	19	7.2	62%	0/18
	MW-7D	ND	ND	-	0/18	ND	ND	-	0/18	ND	ND	-	0/18	ND	ND	-	0/18	2	ND	100%	0/18	ND	ND	-	0/18
	RMW-8D	ND	ND	-	0/10	2	ND	100%	0/10	ND	ND	-	0/10	ND	ND	-	0/10	ND	ND	-	0/10	ND	ND	-	0/10
	MW-10D	ND	ND	-	0/3	3	ND	100%	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3
	RMW-11D	ND	ND	-	0/10	1	ND	100%	0/10	ND	ND	-	0/10	ND	ND	-	0/10	ND	ND	-	0/10	1	ND	100%	0/10
	RMW-12D	ND	ND	-	0/10	12	ND	100%	0/10	ND	ND	-	0/10	84	ND	100%	0/10	ND	ND	-	0/10	ND	ND	-	0/10
	RMW-13D	ND	ND	-	0/18	370	30	92%	11/18	11	1.5	86%	7/18	ND	ND	-	0/18	0.2	ND	100%	0/18	0.3	ND	100%	0/18
	MW-14D	ND	ND	-	0/4	5	3.6	28%	0/4	ND	ND	-	0/4	2	ND	100%	0/4	2	ND	100%	0/4	8	ND	100%	0/4
	MW-15D	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3
	MW-16D	ND	ND	-	0/4	1	ND	100%	0/4	0.2	ND	100%	0/4	ND	ND	-	0/4	0.2	ND	100%	0/4	ND	ND	-	0/4
	MW-17D	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4
	MW-18D	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4
	MW-19D	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4
	MW-20D	ND	ND	-	0/5	28	14	50%	0/5	9	3.7	59%	3/5	ND	ND	-	0/5	0.4	ND	100%	0/5	ND	ND	-	0/5
	MW-21D	ND	ND	-	0/3	17	ND	100%	0/3	970	350	64%	3/3	12	ND	100%	0/3	81	ND	100%	0/3	21	13	38%	0/3
	MW-22D	ND	ND	-	0/2	ND	ND	-	0/2	ND	ND	-	0/2	ND	ND	-	0/3	0.2	ND	100%	0/2	ND	ND	-	0/2
	MW-24D	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1
	MW-25D	ND	ND	-	0/1	0.68	0.68	0%	0/1	0.21	0.21	0%	0/1	ND	ND	-	0/1	0.72	0.72	0%	0/1	0.15	0.15	0%	0/1
	MW-26D	ND	ND	-	0/1	0.95	0.95	0%	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1
BEDROCK	MW-8R	ND	ND	-	0/4	5	0.45	91%	0/4	ND	ND	-	0/4	ND	ND	-	0/4	3	ND	100%	0/4	ND	ND	-	0/4
	MW-10R	ND	ND	-	0/3	7	ND	100%	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3	ND	ND	-	0/3
	MW-11R	ND	ND	-	0/5	10	ND	100%	0/5	1	ND	100%	1/5	ND	ND	-	0/5	ND	ND	-	0/5	ND	ND	-	0/5
	MW-13R	ND	ND	-	0/4	270	22	92%	1/4	1.2	1.2	0%	2/4	ND	ND	-	0/4	0.3	ND	100%	0/4	ND	ND	-	0/4
	MW-14R	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4
	MW-15R	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1
	MW-19R	ND	ND	-	0/3	2	ND	100%	0/3	0.2	ND	100%	0/3	ND	ND	-	0/3	0.5	ND	100%	0/3	ND	ND	-	0/3
	MW-20R	ND	ND	-	0/4	0.2	ND	100%	0/4	0.3	ND	100%	0/4	ND	ND	-	0/4	ND	ND	-	0/4	ND	ND	-	0/4
	MW-23R	ND	ND	-	0/2	ND	ND	-	0/2	0.1	0.1	0%	0/2	ND	ND	-	0/2	ND	ND	-	0/2	ND	ND	-	0/2
	MW-24R	ND	ND	-	0/1	0.53	0.53	0%	0/1	0.16	0.16	0%	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1
	MW-25R	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1
	MW-27R	ND	ND	-	0/1	1	1	0%	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	0.91	0.91	0%	0/1
	MW-28R	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1	ND	ND	-	0/1

Notes:

Monitoring well abandoned in December 2005.

Monitoring well installed in 2007.

Abbreviations: PCE: tetrachloroethene, TCE: trichloroethene, DCE: (see note below), VC: vinyl chloride, 111TCA: 1,1,1-trichloroethane, 112TCA-1,1,2-trichloroethane, 11DCA: 1,1-dichloroethane, 11DCE: 1,1-dichloroethene, 12DCA: 1,2-dichloroethane, CA-chloroethane, CT-carbon tetrachloride, CF: chloroform, MC: methylene chloride, CM: chloromethane

Notes: Data summary includes full data record of wells (includes data prior to 1996).

DCE represents Total 1,2-dichloroethene prior to 1997, and cis-1,2-dichloroethene from 1997 to present.

Table 7
Natural Attenuation Parameter Evaluation Summary
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

		pH	ORP	DO	Alkalinity	Chloride	Ethane	Ethene	Methane	Nitrogen, Nitrate-Nitrite	Phosphorous, Total	Sulfate	Sulfide	Total Kieljahl Nitrogen	Temp.	TOC	Fe2+	Total VOCs	Screening Score*
		(s.u.)	(mV)	(mg/L)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	[o C]	mg/L	mg/L	mg/L	Points
Till	MW-5D	**7.53**	**-88**	**ND**	25	350	0.0022	0.02	0.15	**ND**	ND	300	ND	0.29	19.2	2.48	1.50	**6.28095**	11
	MW-7D	**8.4**	134	2.53	28	39	0.000021	0.000027	0.0062	**ND**	ND	329	ND	ND	19.5	ND	1.00	0.00445	0
	RMW-8D	9.94	**-54**	**0.1**	30	24	0.000026	0.000029	0.035	1.45	ND	37	ND	0.77	20.3	1.98	0.00	0.00206	5
	RMW-11D	9.63	5	6.44	35	22	0.000031	0.00004	0.0082	**0.40**	ND	8	ND	ND	18.8	4.59	0.00	0.00193	0
	MW-12D	**8.84**	-3	**ND**	49	68	0.000027	0.000011	0.0033	**ND**	ND	16	ND	ND	20.1	2.96	0.20	0.00752	9
	MW-13D	9.66	**-92**	**ND**	41	237	0.00029	0.0012	0.038	**ND**	ND	39	ND	0.68	19.7	4.94	0.00	**0.61421**	4
	MW-14D	**8.61**	97	0.76	20	132	0.000055	0.00022	0.011	**ND**	ND	294	ND	0.17	22.4	ND	0.00	0.01706	3
	MW-16D	**8.66**	-1	**ND**	11	532	0.000019	0.000081	0.082	**ND**	ND	178	ND	0.44	14.6	ND	0.00	**0.12741**	6
	MW-17D	**7.41**	-44	**ND**	160	489	0.00027	0.000024	0.019	**ND**	ND	185	ND	0.16	18.4	7.07	0.00	0.01871	6
	MW-18D	**7.42**	-27	**ND**	125	557	0.00036	0.000021	0.015	**0.26**	ND	194	ND	0.62	18.2	2.45	0.00	0.01201	6
	MW-19D	9.4	104	1.93	55	30	0.000022	0.000017	0.00061	0.70	ND	26	ND	ND	19.4	2.02	0.00	0.00011	0
	MW-20D	**8.19**	**-179**	**ND**	23	340	0.00078	0.0098	0.05	**ND**	ND	269	ND	0.29	22.2	ND	0.00	**0.71817**	8
	MW-21D	**6.81**	**-155**	**ND**	446	2830	0.14	1.3	**5.6**	**ND**	0.16	14	ND	2.70	19.4	15.20	3.60	**4.1406**	23
	MW-22D	**8.42**	-25	0.82	19	1940	0.023	0.0023	**0.93**	**ND**	ND	194	ND	0.67	20.2	10.80	0.00	0.0009	9
	MW-24D	**8.56**	**-74**	**ND**	33	43	0.0002	0.0001	0.035	**ND**	ND	223	ND	ND	16.7	ND	0.00	0.00573	6
	MW-25D	**7.93**	**-242**	**ND**	29	297	0.0002	0.00031	0.05	**ND**	0.09	219	ND	0.58	19.1	ND	0.50	0.0506	7
	MW-26D	**7.82**	**-114**	**ND**	39	105	0.00015	0.00019	0.021	**ND**	ND	300	ND	0.25	20.9	6.77	0.00	0.0051	8
Bedrock	MW-8R	**8.05**	**-115**	**ND**	35	828	0.001	0.000019	0.094	**ND**	ND	278	ND	0.58	16.9	2.52	0.00	0.00277	7
	MW-11R	**8.35**	-43	**ND**	59	24	0.00014	0.00014	0.4	**ND**	ND	10	ND	0.20	17.2	5.09	0.00	0.0168	8
	MW-13R	**8.45**	**-271**	**ND**	39	890	0.017	0.0021	**1.2**	**ND**	0.13	47	ND	1.27	19.8	7.79	0.00	**0.56043**	12
	MW-14R	**8.34**	**-172**	**ND**	13	97	0.000029	0.000021	0.02	**ND**	ND	407	ND	ND	21.9	ND	0.00	0.00085	8
	MW-19R	**8.87**	**-351**	**ND**	26	23	0.00024	0.00024	0.0072	**ND**	ND	22	ND	0.12	17.6	3.29	0.00	0.00932	7
	MW-20R	9.02	**-256**	**ND**	18	98	0.000013	0.000017	0.0035	**ND**	ND	306	ND	0.20	22.2	6.41	0.00	0.00079	6
	MW-23R	11.16	**-117**	**ND**	57	7	0.00048	0.00023	0.0026	**ND**	ND	99	ND	ND	16.6	ND	0.20	0.00202	5
	MW-24R	11.61	-21	**ND**	103	54	0.001	0.00064	0.092	**ND**	ND	309	ND	ND	16.7	1.84	0.10	0.07269	5
	MW-25R	9.66	**-225**	**ND**	16	20	0.0011	0.00055	0.0019	**ND**	ND	219	ND	ND	19.1	3.19	0.00	0.00024	3
	MW-27R	12.01	**-142**	**ND**	426	38	0.00076	0.00045	0.0019	**ND**	ND	498	2.8	1.06	17.7	7.04	0.00	0.00206	7
	MW-28R	**8.33**	**-252**	**ND**	21	249	0.0011	0.00036	0.082	**ND**	ND	382	ND	0.38	18.9	ND	1.20	0.00211	10

Values in bold indicate conditions suitable for bioremediation of Chlorinated Organics

ND Value was non-detect

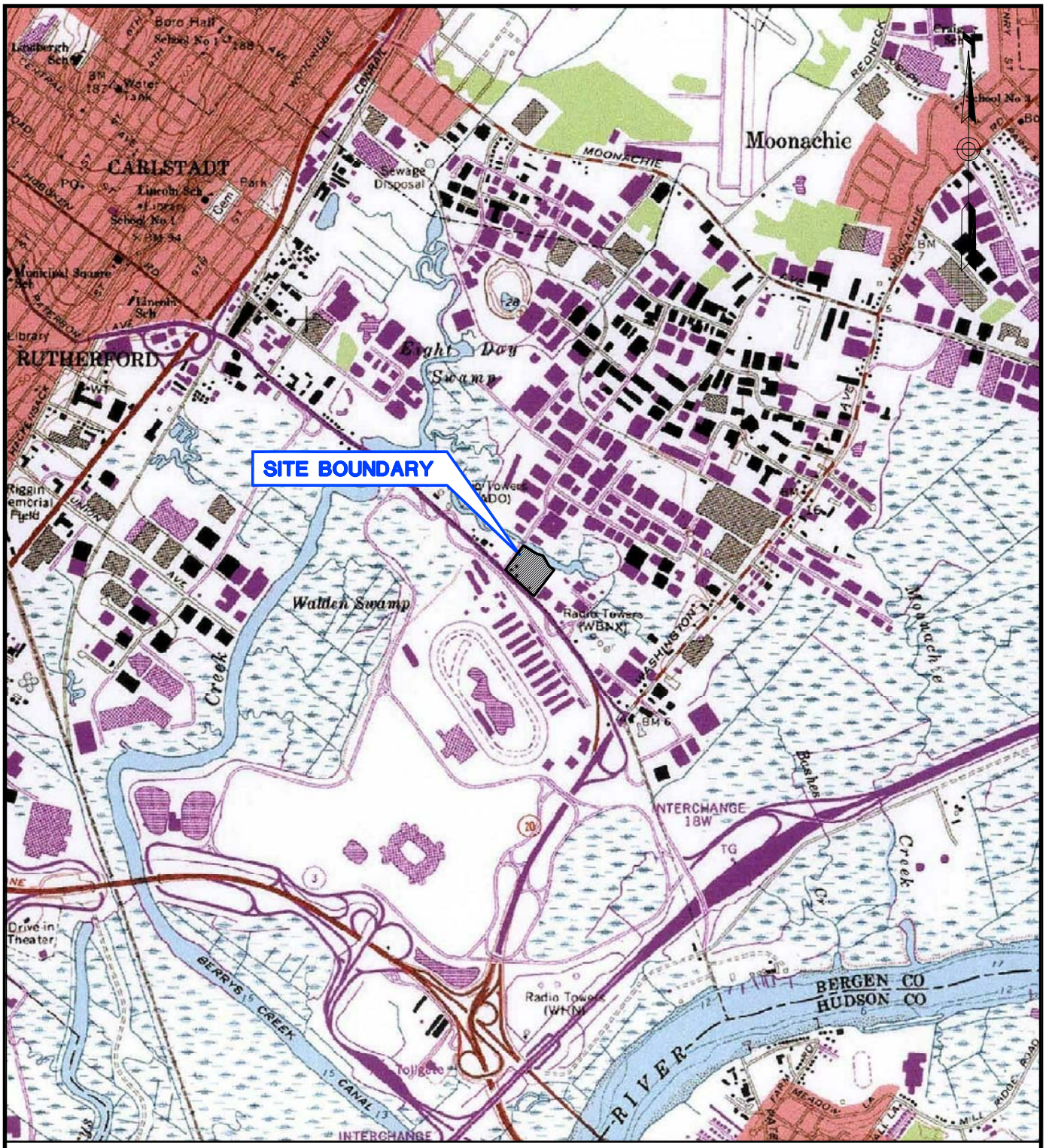
EPA MNA Screening Scores
- **0 to 5** Inadequate evidence for anaerobic biodegradation of chlorinated organics
- **6 to 14** Limited evidence for anaerobic biodegradation of chlorinated organics
- **15 to 20** Adequate evidence for anaerobic biodegradation of chlorinated organics
- **>20** Strong evidence for anaerobic biodegradation of chlorinated organics

Created MJB
Checked HAL

Wells used for background to score alkalinity and chloride measurements were the average of MW-17D and MW-18D for the till, and MW-8R for bedrock.
* Calculation Matrix for EPA MNA Score Card as Table 7a.

Table 7a
EPA MNA ScoreCard Calculation Matrix
216 Paterson Plank Road NPL Site
Carlstadt, New Jersey

	MNA Scorecard Parameter															
Well ID	**Oxygen**	**Nitrate**	**Iron II**	**Sulfate**	**Sulfide**	**Methane**	**ORP**	**pH**	**TOC**	**Temperature**	**Alkalinity**	**Chloride**	**BTEX**	**DCE**	**Ethene/Ethane**	**Total Score**
MW-5D	3	0	3	0	0	0	1	0	0	0	0	0	0	2	2	**11**
MW-7D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
RMW-8D	3	0	0	0	0	0	1	-2	0	1	0	0	0	2	0	**5**
RMW-11D	-3	0	0	2	0	0	1	-2	0	0	0	0	0	2	0	**0**
MW-12D	3	0	0	2	0	0	1	0	0	1	0	0	0	2	0	**9**
MW-13D	3	0	0	0	0	0	1	-2	0	0	0	0	0	2	0	**4**
MW-14D	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	**3**
MW-16D	3	0	0	0	0	0	1	0	0	0	0	0	0	2	0	**6**
MW-17D	3	0	0	0	0	0	1	0	0	0	0	0	0	2	0	**6**
MW-18D	3	0	0	0	0	0	1	0	0	0	0	0	0	2	0	**6**
MW-19D	0	0	0	0	0	0	0	-2	0	0	0	0	0	2	0	**0**
MW-20D	3	0	0	0	0	0	2	0	0	1	0	0	0	2	0	**8**
MW-21D	3	0	3	2	0	3	2	0	0	0	1	2	2	2	3	**23**
MW-22D	0	0	0	0	0	3	1	0	0	1	0	2	0	0	2	**9**
MW-24D	3	0	0	0	0	0	1	0	0	0	0	0	0	2	0	**6**
MW-25D	3	0	0	0	0	0	2	0	0	0	0	0	0	2	0	**7**
MW-26D	3	0	0	0	0	0	2	0	0	1	0	0	0	2	0	**8**
MW-8R	3	0	0	0	0	0	2	0	0	0	0	0	0	2	0	**7**
MW-11R	3	0	0	2	0	0	1	0	0	0	0	0	0	2	0	**8**
MW-13R	3	0	0	0	0	3	2	0	0	0	0	0	0	2	2	**12**
MW-14R	3	0	0	0	0	0	2	0	0	1	0	0	0	2	0	**8**
MW-19R	3	0	0	0	0	0	2	0	0	0	0	0	0	2	0	**7**
MW-20R	3	0	0	0	0	0	2	-2	0	1	0	0	0	2	0	**6**
MW-23R	3	0	0	0	0	0	2	-2	0	0	0	0	0	2	0	**5**
MW-24R	3	0	0	0	0	0	1	-2	0	0	1	0	0	2	0	**5**
MW-25R	3	0	0	0	0	0	2	-2	0	0	0	0	0	0	0	**3**
MW-27R	3	0	0	0	3	0	2	-2	0	0	1	0	0	0	0	**7**
MW-28R	3	0	3	0	0	0	2	0	0	0	0	0	0	2	0	**10**



REFERENCES

1.) BASE MAP TAKEN FROM U.S.G.S. 7.5 MINUTE QUADRANGLE OF WEEHAWKEN, NEW JERSEY, DATED 1967 AND PHOTOREVISED 1981.

2000 0 2000
APPROXIMATE SCALE FEET

Golder Associates
Philadelphia USA

FILE No.	9436222S009		
PROJECT No.	943-6222	REV.	0

SCALE	AS SHOWN
DATE	09/27/07
DESIGN	MD
CADD	AM
CHECK	KM
REVIEW	SDM

TITLE

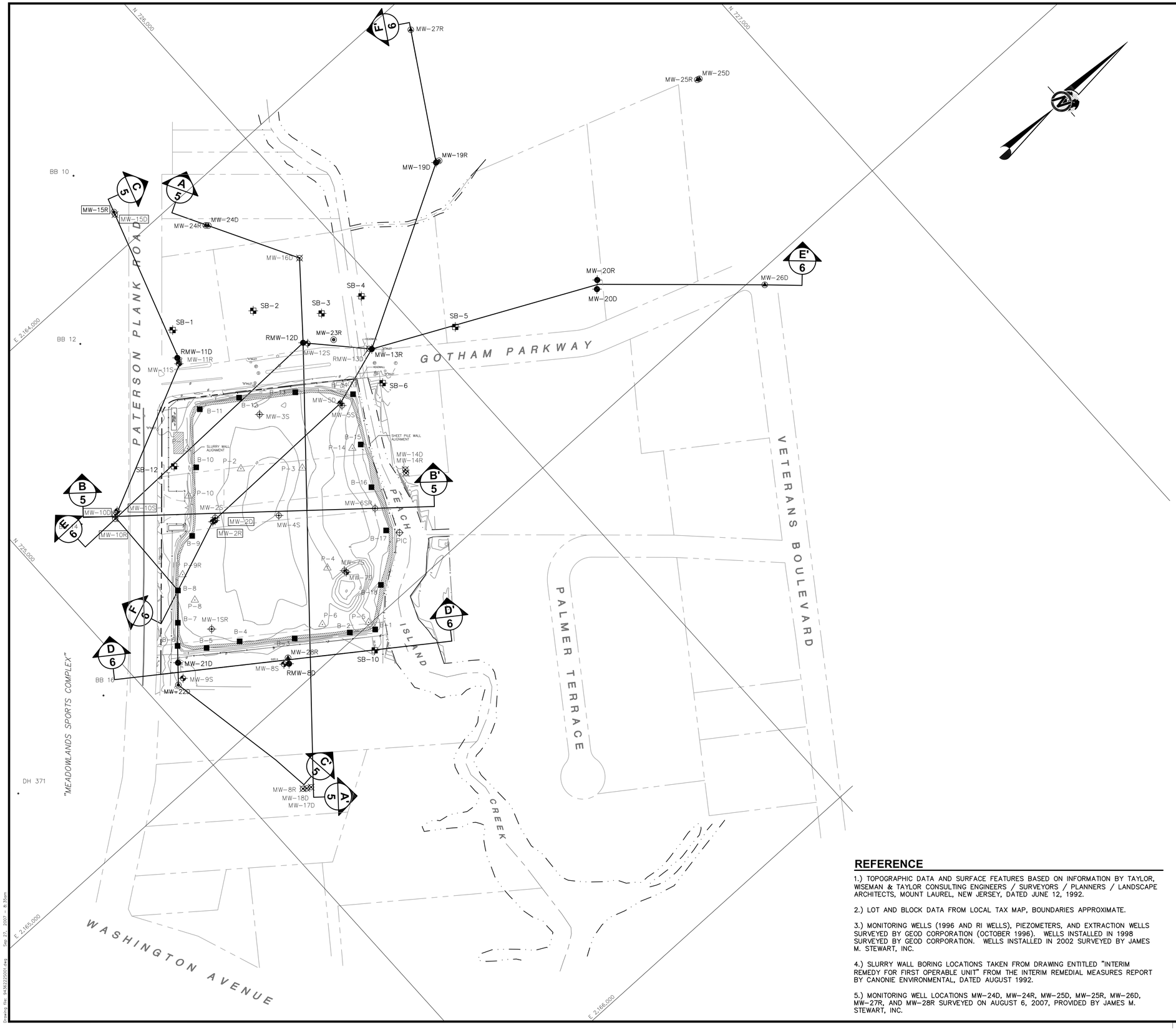
SITE LOCATION MAP

216 PATERSON PLANK ROAD SITE

FIGURE 1

Drawing file: 9436222S009.dwg Sep 27, 2007 - 8:51am

R2-0000773



LEGEND

W / 6	DETAIL OR CROSS SECTION DESIGNATION FIGURE No. WHERE DETAIL OR CROSS SECTION IS PRESENTED
MW-8D	MONITORING WELL (INSTALLED DURING THE REMEDIAL INVESTIGATION C. 1988)
MW-2D	ABANDONED WELL (SEPTEMBER 1998 AND DECEMBER 2005)
MW-18D	MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION – JULY 1996)
MW-21D	MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION – AUGUST 1998)
MW-15R	MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION – NOVEMBER 2002)
MW-24D	MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION, 2007)
P-4	SHALLOW PIEZOMETER (INSTALLED DURING THE REMEDIAL INVESTIGATION C. 1988)
MW-4S	EXTRACTION WELL (INSTALLED DURING THE REMEDIAL INVESTIGATION AND RETROFITTED FOR SHALLOW GROUNDWATER EXTRACTION AS PART OF THE OU-1 CONSTRUCTION, 1992)
SB-1	BEDDED CLAY INVESTIGATION SOIL BORING (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION – AUGUST 1998)
B-6	SLURRY WALL CONSTRUCTION INVESTIGATION BORING (INSTALLED DURING OU-1 REMEDIAL DESIGN, 1992)
PIC	STILLING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION, 1996)
	SITE PROPERTY-BOUNDARY
	PROPERTY/RIGHT-OF-WAY BOUNDARIES
	CONTOUR LINE
	STREAM
	FENCE
	UTILITY POLE
	APPROXIMATE SLURRY WALL ALIGNMENT
	APPROXIMATE SHEET PILE WALL ALIGNMENT

NOTES

1.) COORDINATE SYSTEM SHOWN IS NEW JERSEY STATE PLANE NAD27 AND VERTICAL DATUM BASED ON NAVD 1929.

2.) LOCATION OF SLURRY WALL INVESTIGATION BORINGS ARE APPROXIMATE. BORING LOCATIONS WERE PREVIOUSLY SURVEYED USING A SITE SPECIFIC COORDINATE SYSTEM.

3.) MONITORING WELLS MW-8D, MW-11D, MW-12D AND MW-13D INSTALLED DURING THE REMEDIAL INVESTIGATION WERE ABANDONED AND REPLACED WITH MONITORING WELLS RMW-8D, RMW-11D, RMW-12D AND RMW-13D.

4.) REMEDIAL INVESTIGATION MONITORING WELLS MW-2D AND MW-2R WERE ABANDONED AS PART OF THE OFF-PROPERTY INVESTIGATION CONDUCTED IN AUGUST 1998.

REFERENCE

1.) TOPOGRAPHIC DATA AND SURFACE FEATURES BASED ON INFORMATION BY TAYLOR, WISEMAN & TAYLOR CONSULTING ENGINEERS / SURVEYORS / PLANNERS / LANDSCAPE ARCHITECTS, MOUNT LAUREL, NEW JERSEY, DATED JUNE 12, 1992.

2.) LOT AND BLOCK DATA FROM LOCAL TAX MAP, BOUNDARIES APPROXIMATE.

3.) MONITORING WELLS (1996 AND RI WELLS), PIEZOMETERS, AND EXTRACTION WELLS SURVEYED BY GEOD CORPORATION (OCTOBER 1996). WELLS INSTALLED IN 1998 SURVEYED BY GEOD CORPORATION. WELLS INSTALLED IN 2002 SURVEYED BY JAMES M. STEWART, INC.

4.) SLURRY WALL BORING LOCATIONS TAKEN FROM DRAWING ENTITLED "INTERIM REMEDY FOR FIRST OPERABLE UNIT" FROM THE INTERIM REMEDIAL MEASURES REPORT BY CANONIE ENVIRONMENTAL, DATED AUGUST 1992.

5.) MONITORING WELL LOCATIONS MW-24D, MW-24R, MW-25D, MW-25R, MW-26D, MW-27R, AND MW-28R SURVEYED ON AUGUST 6, 2007, PROVIDED BY JAMES M. STEWART, INC.

100 0 100 200
SCALE FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT

216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE

SITE PLAN

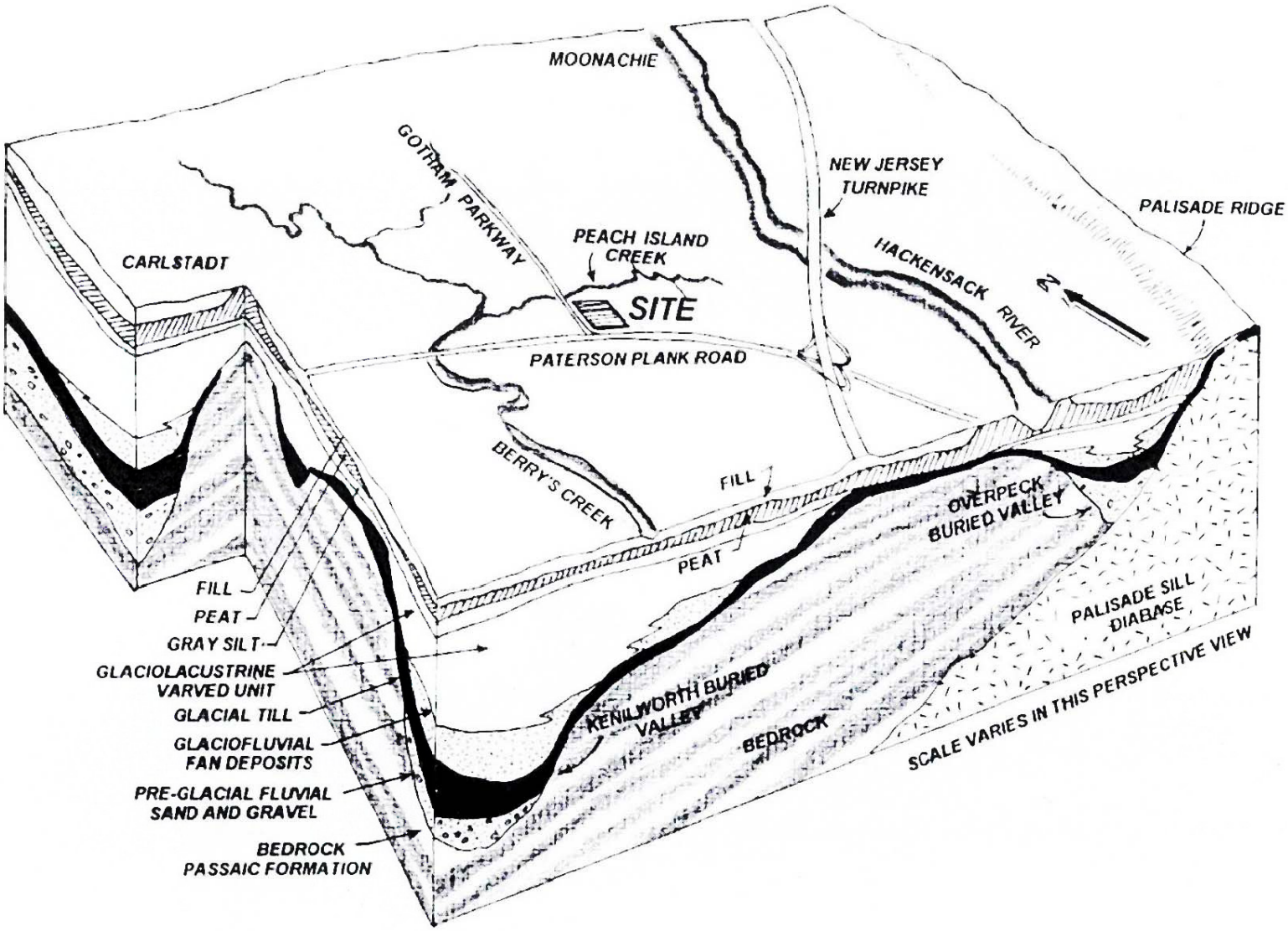
Golder Associates
Philadelphia USA

PROJECT No.		943-6222	FILE No.	9436222S001
DESIGN	KM	07/18/07	SCALE AS SHOWN	REV. 0
CADD	AM	09/27/07	FIGURE 2	
CHECK	KM	09/27/07		
REVIEW	SDM	09/27/07		

Drawing file: 9436222S001.dwg Sep 27, 2007 - 8:30am

R2-0000774

Drawing file: 9436222S010.dwg Sep 27, 2007 – 8:49am



Golder Associates
Philadelphia USA

FILE No. 9436222S010		SCALE AS SHOWN	TITLE
		DATE 09/27/07	REGIONAL GEOLOGY
		DESIGN RV	
		CADD AM	
		CHECK KM	
PROJECT No. 943-6222	REV. 0	REVIEW SDM	216 PATERSON PLANK ROAD SITE
			FIGURE 3

R2-0000775

STRATIGRAPHIC UNITS

FILL: variable thickness; including asphalt, silt, sand, gravel, concrete, brick, timber etc.; highly variable SPT blow counts

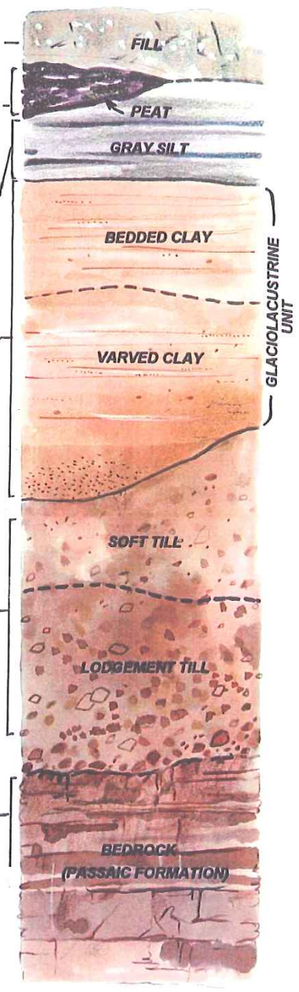
PEAT: laterally persistant and correlatable meadow mat unit, locally removed during site activities, variable thickness, dark brown to gray color, organic silt, clay and sand, fibres common, low SPT blow counts, grades down into Gray Silt.

GRAY SILT: uniform thickess, intertidal unit, mottled dark gray to brownish gray color, with silt and fine sand seams, bedded to laminated; upper contact grades into peat, lower contact grades into the uppermost glacial sediments; SPT blow counts variable but generally N=5 or higher.

GLACIOLACUSTRINE VARVED UNIT: stratified glacial deposits; *upper horizon* sandier and varved with local zones of fine silt and sand, set in a stiff to very stiff matrix of silty clay and clay, variagated color ranging from brownish gray, dark gray, to brownish red. *Lower horizon* consists of deep red, reddish brown and locally brick red, high plasticity, massive clay; varved structure apparent when dry but elastic content much lower than upper horizon. SPT blow counts in upper horizon generally higher than N=5; lower horizon is commonly N=0 or weight of hammer; local sandier zones present near lower geologic contact with underlying unit. Both horizons tentatively correlated with the Glacial Lake Hackensack and Glacial Lake Bayonne sediments, upper horizon possibly desiccated.

GLACIAL TILL: two unstratified basal horizons recognized, characteristically red to reddish brown, brick red and locally dark brown in color; *upper horizon* is softer somewhat weathered less dense, glacial till, SPT blow counts generally less than N=25, soft sandy to silty glacial till with matrix supported clasts which include metamorphic rock fragments; *lower horizon, a lodgement till,* consists of very hard, SPT blow counts ranging from N=50 to N=200, dominated by in-situ rock fragments including siltstone and shale, and sandstone of local bedrock; the upper geologic contact with varved unit is sharp, and marked by distinct change in geotechnical character; lower geologic contact grades imperceptably into bedrock; This unit correlatable with the Rahway Till.

BEDROCK: bedrock consists of brick red and brown, and red, speckled and mottled by green reduction haloes and spots, horizontally bedded, laminated and fissile shale, siltstone and fine sandstone of the Passaic Formation. The basal lodgement till of overlying unconsolidated deposits grades into the bedrock. Bedrock includes several carbonate-bearing horizons; carbonate occurs as vugs, nodules; fracture and bedding-planes sometimes infilled and coated with calcite and/or dolomite.



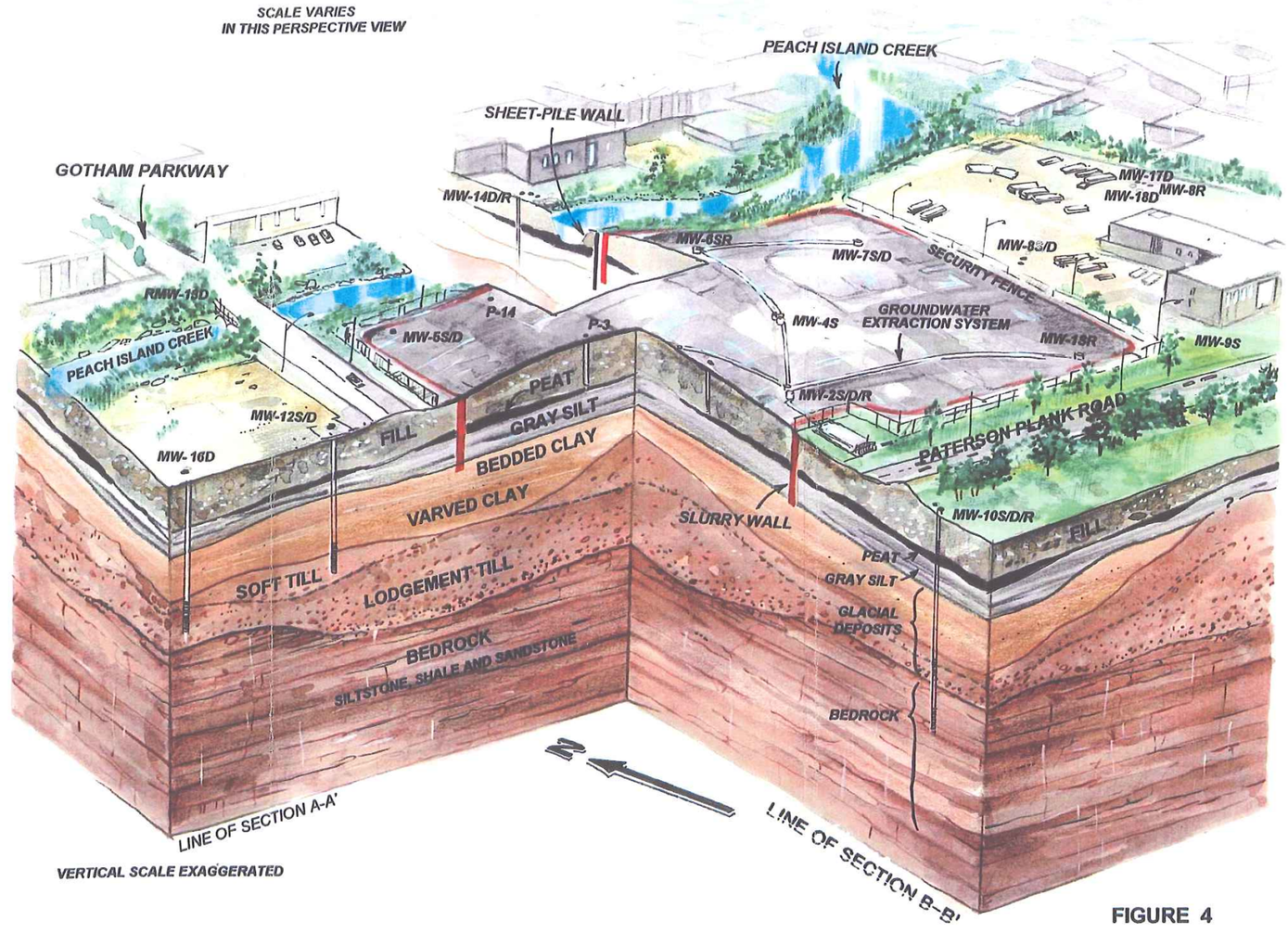


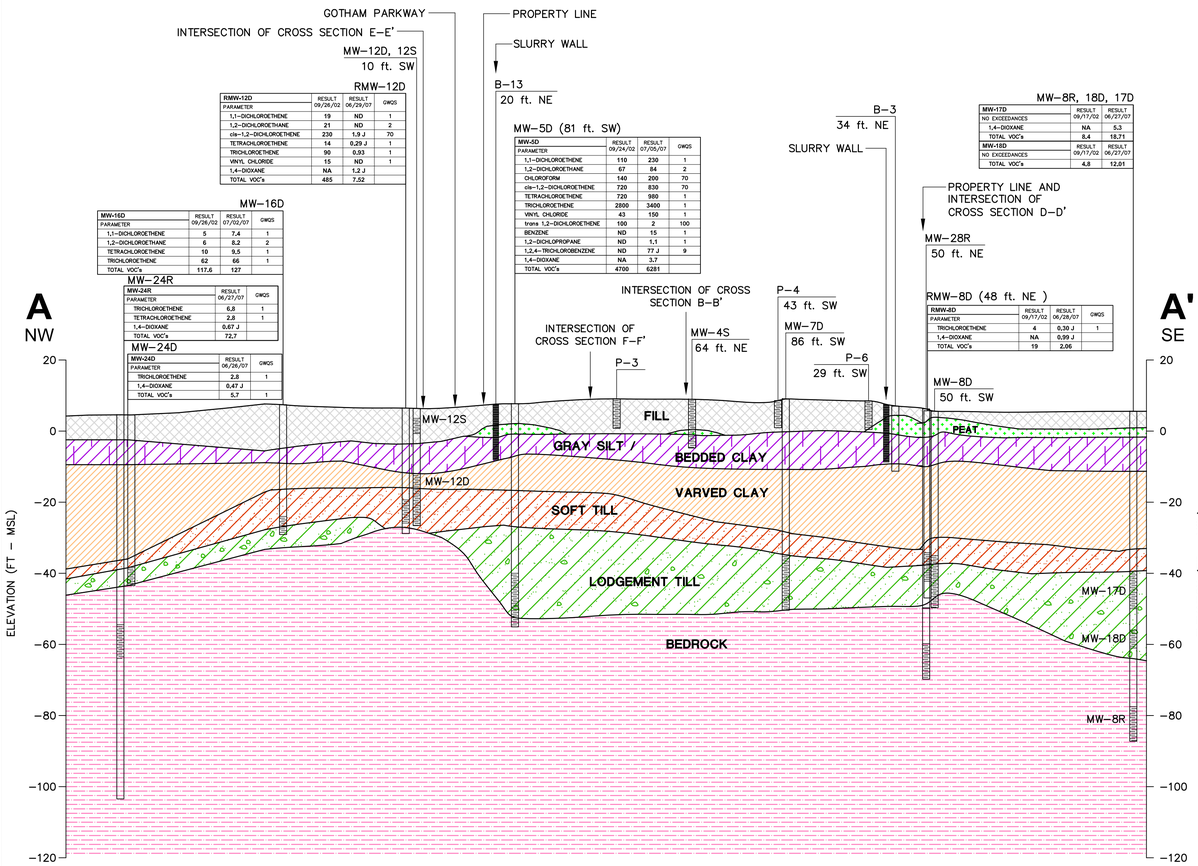
FIGURE 4

CONCEPTUAL BLOCK DIAGRAM
216 PATERSON PLANK ROAD SITE

Ramesh Venkatadhari

Golder Associates

R2-0000776



RMW-12D PARAMETER	RESULT 09/26/02	RESULT 06/29/07	GWQS
1,1-DICHLOROETHENE	19	ND	1
1,2-DICHLOROETHANE	21	ND	2
cis-1,2-DICHLOROETHENE	230	1.9 J	70
TETRACHLOROETHENE	14	0.29 J	1
TRICHLOROETHENE	90	0.93	1
VINYL CHLORIDE	15	ND	1
1,4-DIOXANE	NA	1.2 J	
TOTAL VOC's	485	7.52	

MW-16D PARAMETER	RESULT 09/26/02	RESULT 07/02/07	GWQS
1,1-DICHLOROETHENE	5	7.4	1
1,2-DICHLOROETHANE	6	8.2	2
TETRACHLOROETHENE	10	9.5	1
TRICHLOROETHENE	62	66	1
TOTAL VOC's	117.6	127	

MW-24R PARAMETER	RESULT 06/27/07	GWQS
TRICHLOROETHENE	6.8	1
TETRACHLOROETHENE	2.8	1
1,4-DIOXANE	0.67 J	
TOTAL VOC's	72.7	

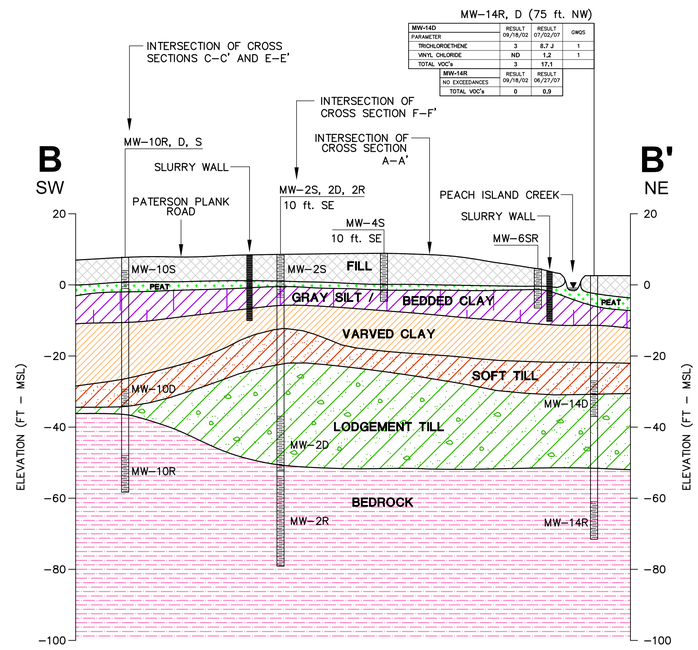
MW-24D PARAMETER	RESULT 06/28/07	GWQS
TRICHLOROETHENE	2.8	1
1,4-DIOXANE	0.47 J	
TOTAL VOC's	5.7	1

MW-5D PARAMETER	RESULT 09/26/02	RESULT 07/05/07	GWQS
1,1-DICHLOROETHENE	110	230	1
1,2-DICHLOROETHANE	67	84	2
CHLOROFORM	140	200	70
cis-1,2-DICHLOROETHENE	720	830	70
TETRACHLOROETHENE	720	980	1
TRICHLOROETHENE	2000	3400	1
VINYL CHLORIDE	43	150	1
trans 1,2-DICHLOROETHENE	100	2	100
BENZENE	ND	15	1
1,2-DICHLOROPROPANE	ND	1.1	1
1,2,4-TRICHLOROBENZENE	ND	77 J	9
1,4-DIOXANE	NA	3.7	
TOTAL VOC's	4700	6281	

MW-17D NO EXCEEDANCES	RESULT 09/17/02	RESULT 06/27/07
1,4-DIOXANE	NA	5.3
TOTAL VOC's	8.4	18.71
MW-18D NO EXCEEDANCES	RESULT 09/17/02	RESULT 06/27/07
TOTAL VOC's	4.8	12.01

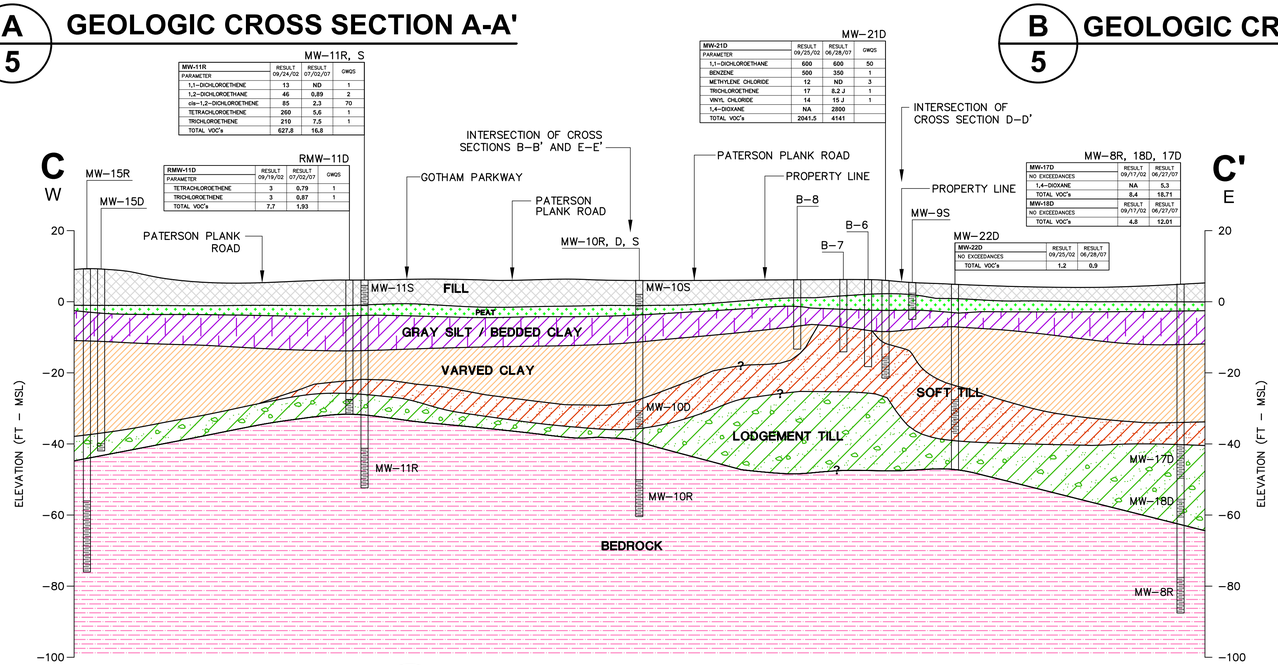
RMW-8D PARAMETER	RESULT 09/17/02	RESULT 06/28/07	GWQS
TRICHLOROETHENE	4	0.30 J	1
1,4-DIOXANE	NA	0.99 J	
TOTAL VOC's	19	2.06	

A 5 GEOLOGIC CROSS SECTION A-A'



MW-14D PARAMETER	RESULT 09/18/02	RESULT 07/02/07	GWQS
TRICHLOROETHENE	3	3.7 J	1
VINYL CHLORIDE	ND	1.2	1
TOTAL VOC's	3	17.1	
MW-14R NO EXCEEDANCES	RESULT 09/18/02	RESULT 06/27/07	
TOTAL VOC's	0	0.9	

B 5 GEOLOGIC CROSS SECTION B-B'



MW-21D PARAMETER	RESULT 09/23/02	RESULT 06/28/07	GWQS
1,1-DICHLOROETHANE	600	600	50
BENZENE	500	350	1
METHYLENE CHLORIDE	12	ND	3
TRICHLOROETHENE	17	8.2 J	1
VINYL CHLORIDE	14	15 J	1
1,4-DIOXANE	NA	2800	
TOTAL VOC's	2041.5	4141	

MW-11R PARAMETER	RESULT 09/24/02	RESULT 07/02/07	GWQS
1,1-DICHLOROETHENE	13	ND	1
1,2-DICHLOROETHANE	46	0.89	2
cis-1,2-DICHLOROETHENE	85	2.3	70
TETRACHLOROETHENE	260	5.6	1
TRICHLOROETHENE	210	7.5	1
TOTAL VOC's	627.8	16.8	

RMW-11D PARAMETER	RESULT 09/19/02	RESULT 07/02/07	GWQS
TETRACHLOROETHENE	3	0.79	1
TRICHLOROETHENE	3	0.87	1
TOTAL VOC's	7.7	1.93	

MW-17D NO EXCEEDANCES	RESULT 09/17/02	RESULT 06/27/07
1,4-DIOXANE	NA	5.3
TOTAL VOC's	8.4	18.71
MW-18D NO EXCEEDANCES	RESULT 09/17/02	RESULT 06/27/07
TOTAL VOC's	4.8	12.01

MW-22D NO EXCEEDANCES	RESULT 09/25/02	RESULT 06/28/07
TOTAL VOC's	1.2	0.9

C 5 GEOLOGIC CROSS SECTION C-C'

LEGEND

- B / 2 5 — DETAIL OR CROSS SECTION DESIGNATION; FIGURE No. WHERE DETAIL OR CROSS SECTION IS PRESENTED; FIGURE No. WHERE LOCATION OF DETAIL OR CROSS SECTION IS FIRST SHOWN
- BH-33 / 450 ft. NW — BOREHOLE LABEL; PROJECTED DISTANCE
- TOP OF BOREHOLE
- SCREENED INTERVAL
- BOTTOM OF BOREHOLE
- FILL
- PEAT
- GRAY SILT / BEDDED CLAY (UPPER HORIZON GLACIOLACUSTRINE VARVED CLAY)
- VARVED CLAY (LOWER HORIZON GLACIOLACUSTRINE VARVED CLAY)
- SOFT TILL
- LODGEMENT TILL
- BEDROCK

NOTES

1.) SUBSURFACE INFORMATION OBTAINED DURING THE OFF-PROPERTY INVESTIGATION (1996-2007) SUPPLEMENTED WITH BOREHOLE INFORMATION OBTAINED FROM THE FOLLOWING PREVIOUS INVESTIGATIONS : DAMES AND MOORE, 1990 "FINAL REPORT – REMEDIAL INVESTIGATION SCP SITE, CARLSTADT, NEW JERSEY" DATED MARCH 1, 1990; AND CANONIE ENVIRONMENTAL, 1991 "INTERIM REMEDY REMEDIAL DESIGN REPORT", DATED JULY 19, 1991.

2.) FOR PRESENTATION PURPOSES THE CROSS SECTIONS WERE CONSTRUCTED DEPICTING MONITORING WELL CLUSTERS AS A SINGLE BOREHOLE WITH MULTIPLE WELL SCREENS. THE WELLS ARE IN REALITY SEPARATE AND DISTINCT.

REFERENCE

1.) TOPOGRAPHIC DATA AND SURFACE FEATURES BASED ON INFORMATION BY TAYLOR, WISEMAN & TAYLOR CONSULTING ENGINEERS / SURVEYORS / PLANNERS / LANDSCAPE ARCHITECTS, MOUNT LAUREL, NEW JERSEY, DATED JUNE 12, 1992.

2.) MONITORING WELLS (1996 AND RI WELLS), PIEZOMETERS, AND EXTRACTION WELLS SURVEYED BY GEOD CORPORATION (OCTOBER 1996). WELLS INSTALLED IN 1998 SURVEYED BY GEOD CORPORATION. WELLS INSTALLED IN 2002 AND 2007 SURVEYED BY JAMES M. STEWART, INC.

3.) SLURRY WALL BORING LOCATIONS TAKEN FROM DRAWING ENTITLED "INTERIM REMEDY FOR FIRST OPERABLE UNIT" FROM THE INTERIM REMEDIAL MEASURES REPORT BY CANONIE ENVIRONMENTAL, DATED AUGUST 1992.

HORIZONTAL SCALE: 100 0 100 200 FEET

VERTICAL SCALE: 20 0 20 40 FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT

216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE

GEOLOGIC CROSS SECTIONS A-A', B-B' AND C-C'

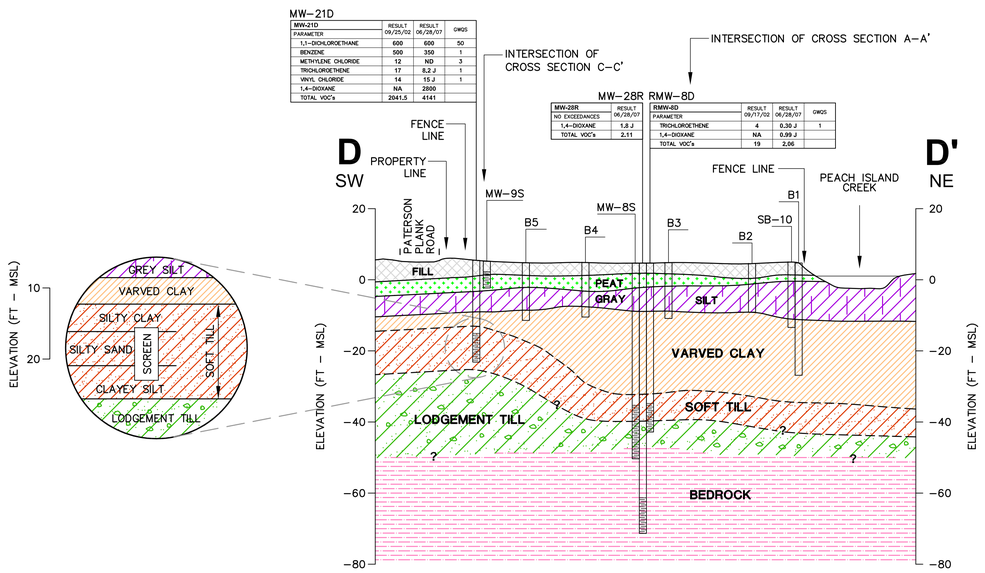
Golder Associates
Philadelphia USA

PROJECT No.		943-6222	FILE No.	94362225006
DESIGN	MD	08/21/07	SCALE AS SHOWN	REV. 0
CADD	AM	09/27/07		
CHECK	KM	09/27/07		
REVIEW	SDM	09/27/07		

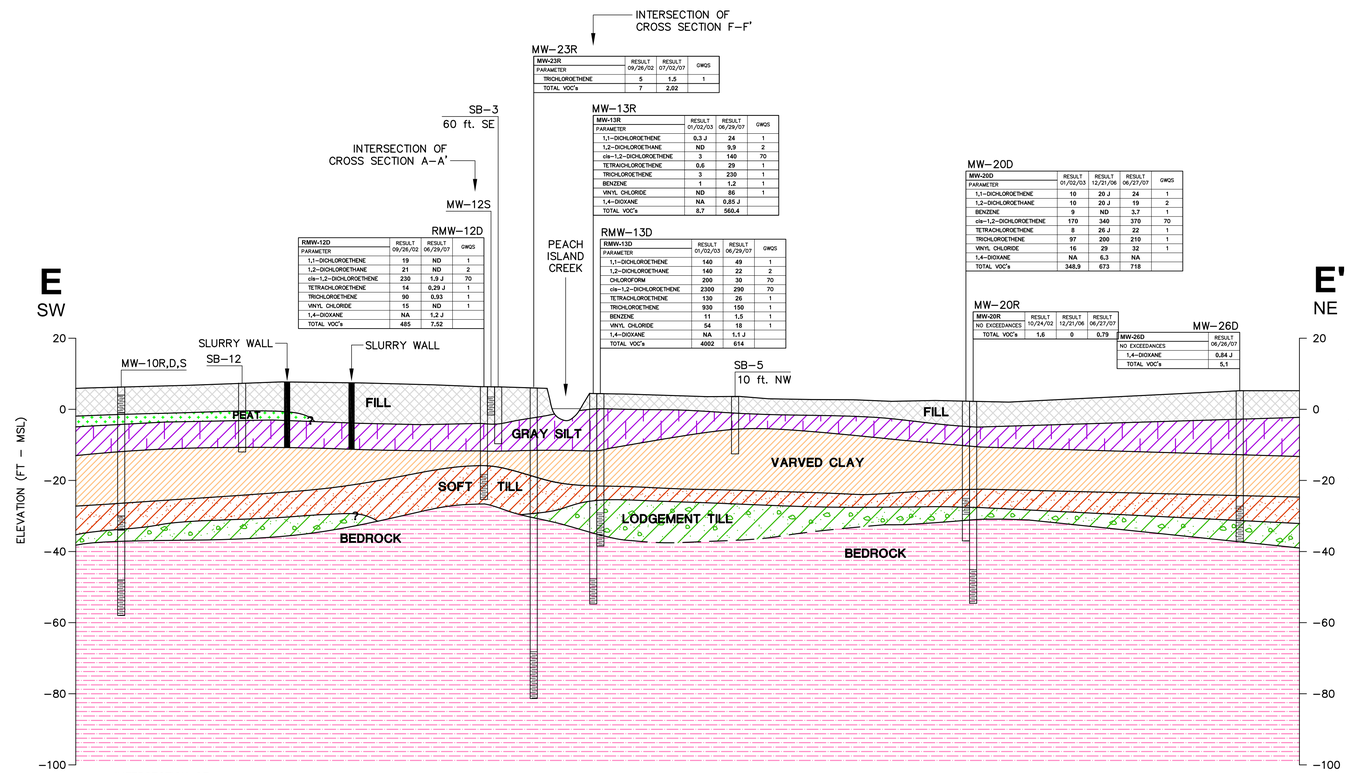
FIGURE 5

Drawing file: 94362225006.dwg Sep 27, 2007 - 6:36am

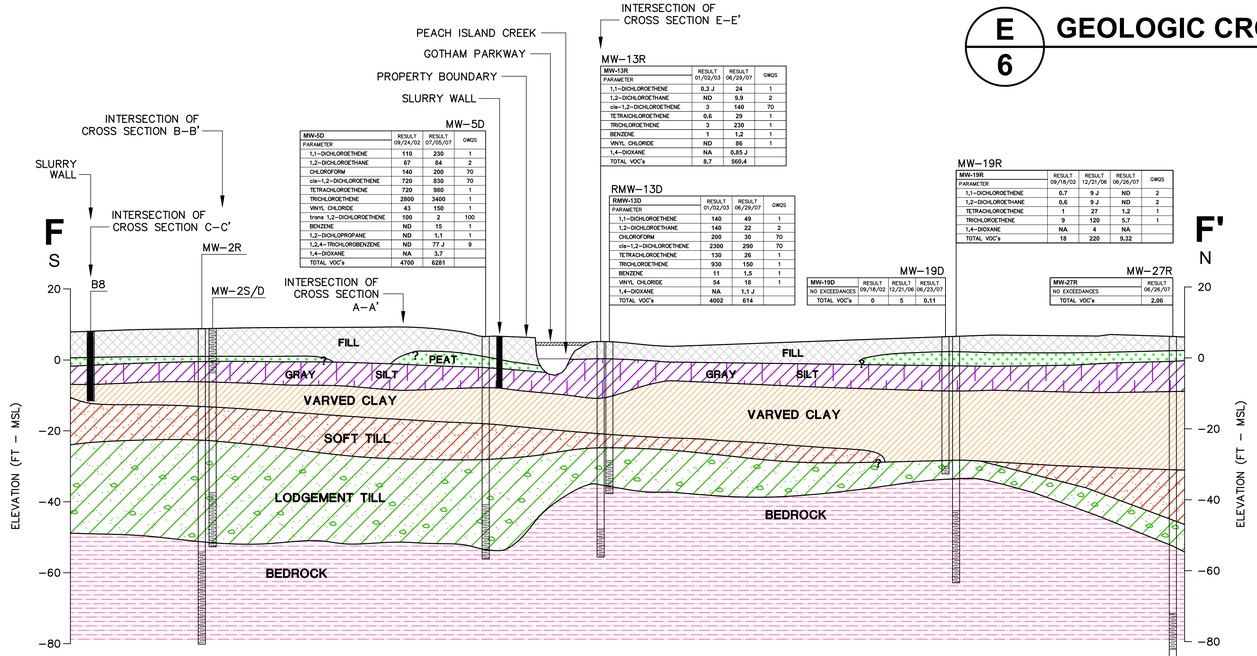
R2-0000777



D 6 GEOLOGIC CROSS SECTION D-D'



E 6 GEOLOGIC CROSS SECTION E-E'



F 6 GEOLOGIC CROSS SECTION F-F'

LEGEND

- W 6 — DETAIL OR CROSS SECTION DESIGNATION
- FIGURE No. WHERE DETAIL OR CROSS SECTION IS PRESENTED
- BH-33 — BOREHOLE LABEL
- 450 ft. NW — PROJECTED DISTANCE
- TOP OF BOREHOLE
- SCREENED INTERVAL
- BOTTOM OF BOREHOLE
- FILL
- PEAT
- GRAY SILT / BEDDED CLAY (UPPER HORIZON GLACIOLACUSTRINE VARVED CLAY)
- VARVED CLAY (LOWER HORIZON GLACIOLACUSTRINE VARVED CLAY)
- SOFT TILL
- LODGEMENT TILL
- BEDROCK

NOTES

1.) SUBSURFACE INFORMATION OBTAINED DURING THE OFF-PROPERTY INVESTIGATION (1996–2007) SUPPLEMENTED WITH BOREHOLE INFORMATION OBTAINED FROM THE FOLLOWING PREVIOUS INVESTIGATIONS : DAMES AND MOORE, 1990 "FINAL REPORT – REMEDIAL INVESTIGATION SCP SITE, CARLSTADT, NEW JERSEY" DATED MARCH 1, 1990; AND CANONIE ENVIRONMENTAL, 1991 "INTERIM REMEDY REMEDIAL DESIGN REPORT", DATED JULY 19, 1991.

2.) FOR PRESENTATION PURPOSES THE CROSS SECTIONS WERE CONSTRUCTED DEPICTING MONITORING WELL CLUSTERS AS A SINGLE BOREHOLE WITH MULTIPLE WELL SCREENS. THE WELLS ARE IN REALITY SEPARATE AND DISTINCT.

REFERENCES

1.) TOPOGRAPHIC DATA AND SURFACE FEATURES BASED ON INFORMATION BY TAYLOR, WISEMAN & TAYLOR CONSULTING ENGINEERS / SURVEYORS / PLANNERS / LANDSCAPE ARCHITECTS, MOUNT LAUREL, NEW JERSEY, DATED JUNE 12, 1992.

2.) MONITORING WELLS (1996 AND RI WELLS), PIEZOMETERS, AND EXTRACTION WELLS SURVEYED BY GEOD CORPORATION (OCTOBER 1996). WELLS INSTALLED IN 1998 SURVEYED BY GEOD CORPORATION. WELLS INSTALLED IN 2002 AND 2007 SURVEYED BY JAMES M. STEWART, INC.

3.) SLURRY WALL BORING LOCATIONS TAKEN FROM DRAWING ENTITLED "INTERIM REMEDY FOR FIRST OPERABLE UNIT" FROM THE INTERIM REMEDIAL MEASURES REPORT BY CANONIE ENVIRONMENTAL, DATED AUGUST 1992.

HORIZONTAL SCALE: 100 0 100 200 FEET

VERTICAL SCALE: 20 0 20 40 FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT

216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE

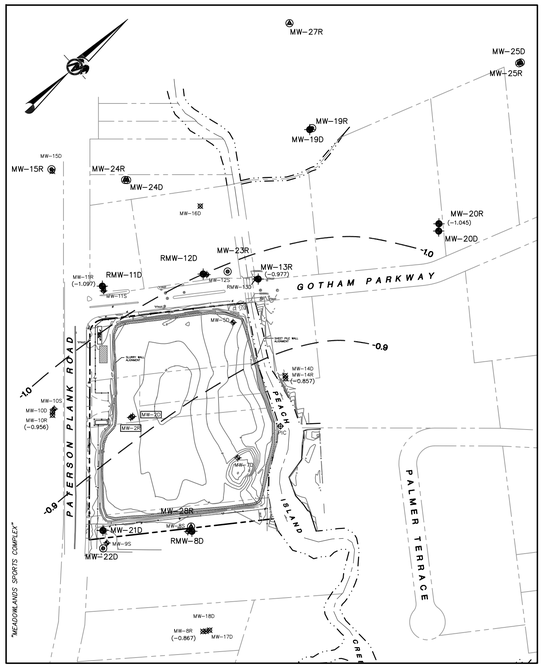
GEOLOGIC CROSS SECTIONS D-D', E-E' AND F-F'

Golder Associates
Philadelphia USA

PROJECT No.		943-6222	FILE No.	9436222S007
DESIGN	KM	08/21/07	SCALE AS SHOWN	REV. 0
CADD	AM	09/27/07	FIGURE 6	
CHECK	KM	09/27/07		
REVIEW	SDM	09/27/07		

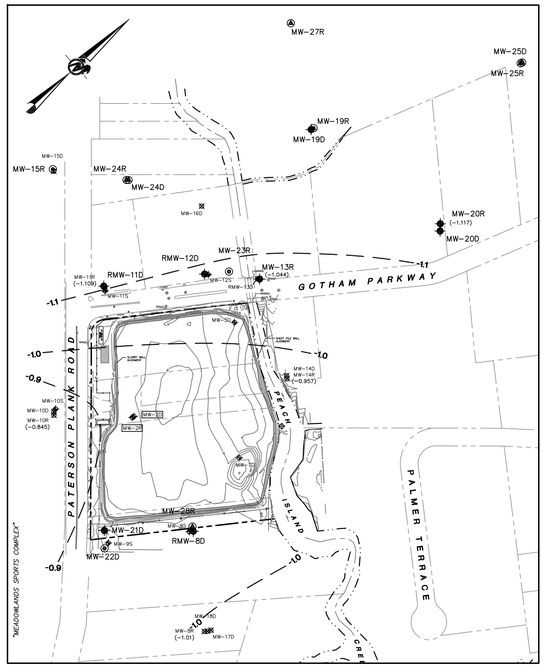
Drawing file: 9436222S007.dwg Sep 27, 2007 - 8:50am

R2-0000778



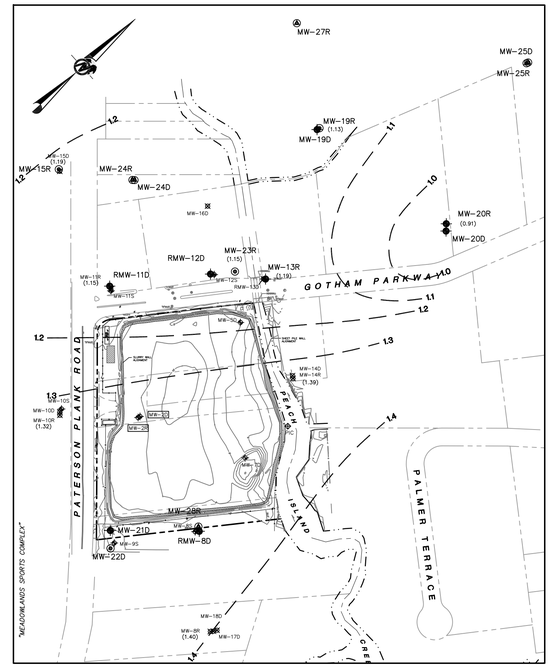
BEDROCK UNIT - 1998 (NOVEMBER 26 - NOVEMBER 30)

(SEE NOTE 4)

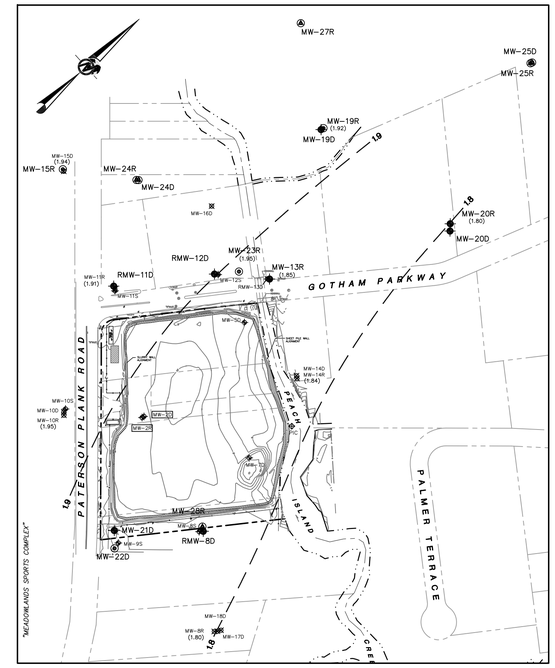


BEDROCK UNIT - 1998 (DECEMBER 1 - DECEMBER 5)

(SEE NOTE 4)



BEDROCK UNIT - NOVEMBER 1, 2002



BEDROCK UNIT - JANUARY 24, 2003

LEGEND

MW-8D	MONITORING WELL (INSTALLED DURING THE REMEDIAL INVESTIGATION)
MW-8D	ABANDONED WELL (SEPTEMBER 1998)
MW-18D	MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION –JULY 1996)
MW-18D	MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION – AUGUST 1998)
MW-15R	MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION – NOVEMBER 2002)
MW-25D	MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION – AUGUST 2007)
PIC	STILLING WELL (INSTALLED DURING OFF-PROPERTY INVESTIGATION)
	SITE PROPERTY-BOUNDARY
	PROPERTY/RIGHT-OF-WAY BOUNDARIES
	CONTOUR LINE
	STREAM
	FENCE
	APPROXIMATE SLURRY WALL ALIGNMENT
-9	INTERPRETED GROUNDWATER CONTOUR (FT-MSL)
(-6.6)	GROUNDWATER ELEVATION (FT-MSL)

NOTES

1.) COORDINATE SYSTEM SHOWN IS NEW JERSEY STATE PLANE NAD27 AND VERTICAL DATUM BASED ON NAVD 1929.

2.) MONITORING WELLS MW-8D, MW-11D, MW-12D AND MW-13D INSTALLED DURING THE REMEDIAL INVESTIGATION WERE ABANDONED AND REPLACED WITH MONITORING WELLS RMW-8D, RMW-11D, RMW-12D AND RMW-13D.

3.) REMEDIAL INVESTIGATION MONITORING WELLS MW-2D AND MW-2R WERE ABANDONED AS PART OF THE OFF-PROPERTY INVESTIGATION CONDUCTED IN AUGUST 1998.

4.) 1998 FIGURES REPRESENT CONTINUOUS WATER LEVELS AVERAGED OVER A WEEKEND AND HOLIDAYS (11/26 – 11/30) AND WEEKDAYS (12/1 – 12/5).

5.) MW-23R IS SCREENED DEEPER IN THE BEDROCK AND NOT USED IN CONTOURING.

REFERENCES

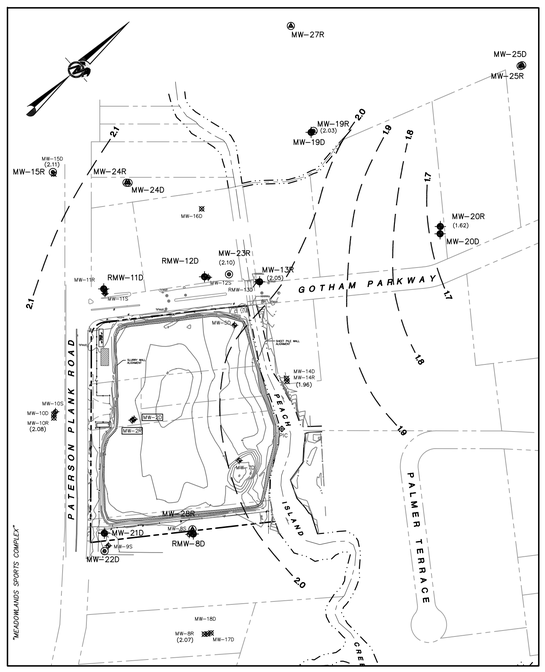
1.) TOPOGRAPHIC DATA AND SURFACE FEATURES BASED ON INFORMATION SUPPLIED BY TAYLOR, WISEMAN, TAYLOR, MT. LAUREL, NJ, DATED JUNE 6th, 1992.

2.) LOT AND BLOCK DATA FROM LOCAL TAX MAP, BOUNDARIES APPROXIMATE.

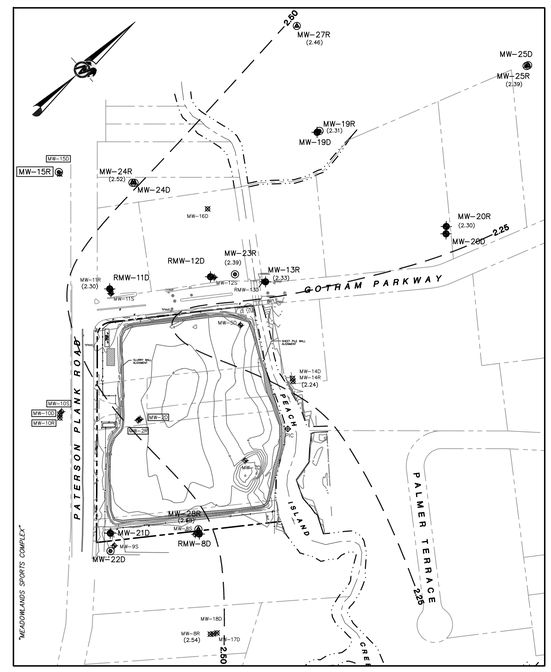
3.) MONITORING WELLS (1996 AND RI WELLS), PIEZOMETERS, AND EXTRACTION WELLS SURVEYED BY GEOD CORPORATION (OCTOBER 1996). WELLS INSTALLED IN 1998 SURVEYED BY GEOD CORPORATION. WELLS INSTALLED IN 2002 AND 2007 SURVEYED BY JAMES M. STEWART, INC.

4.) 1998 OFF-PROPERTY INVESTIGATION MONITORING WELLS, REPLACEMENT MONITORING WELLS RMW-8D, RMW-11D AND RMW-12D, AND THE BEDDED CLAY INVESTIGATION SOIL BORINGS SURVEYED BY GEOD CORPORATION, NEWFOUNDLAND, NJ (NOVEMBER 1998).

5.) SLURRY WALL BORINGS AND FEATURES FROM THE INTERIM REMEDIAL MEASURES TAKEN FROM CANONIE ENVIRONMENTAL, 1992 "INTERIM REMEDY FOR THE FIRST OPERABLE UNIT", AUGUST 1992.



BEDROCK UNIT - 2002 - 2003 AVERAGE



BEDROCK UNIT - JUNE 25, 2007

200 0 200 400
SCALE FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT

216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE

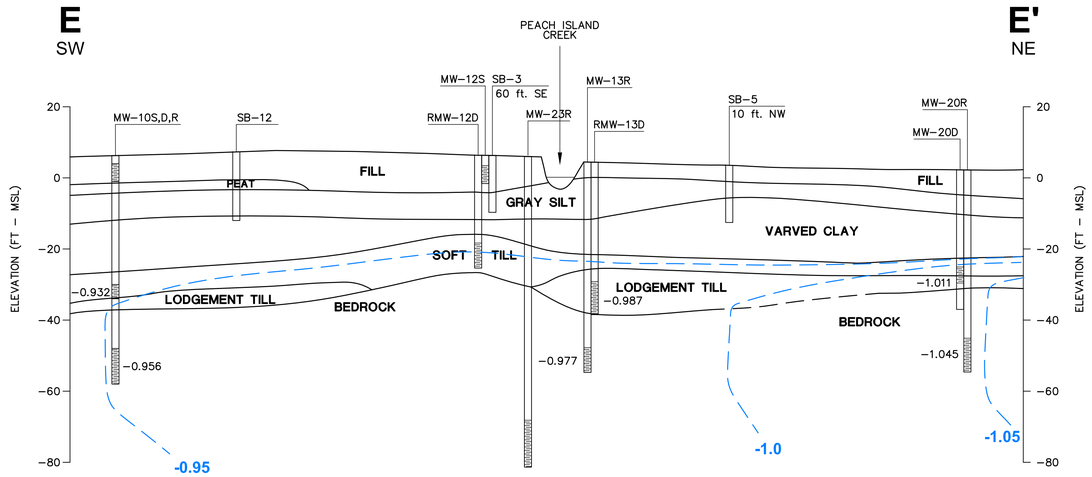
INTERPRETED GROUNDWATER CONTOUR MAP

Golder Associates
Philadelphia USA

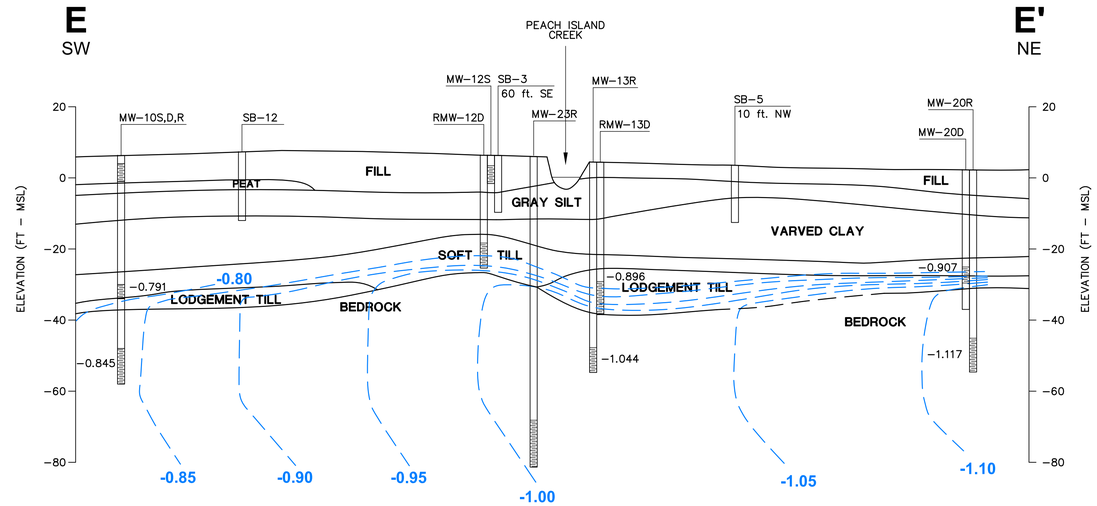
PROJECT No.		943-6222	FILE No.	9436222S005
DESIGN	KM	08/21/07	SCALE AS SHOWN	REV. 0
CADD	AM	09/27/07	FIGURE 7	
CHECK	KM	09/27/07		
REVIEW	SDM	09/27/07		

Drawing file: 9436222S005.dwg Sep 27, 2007 - 8:31am

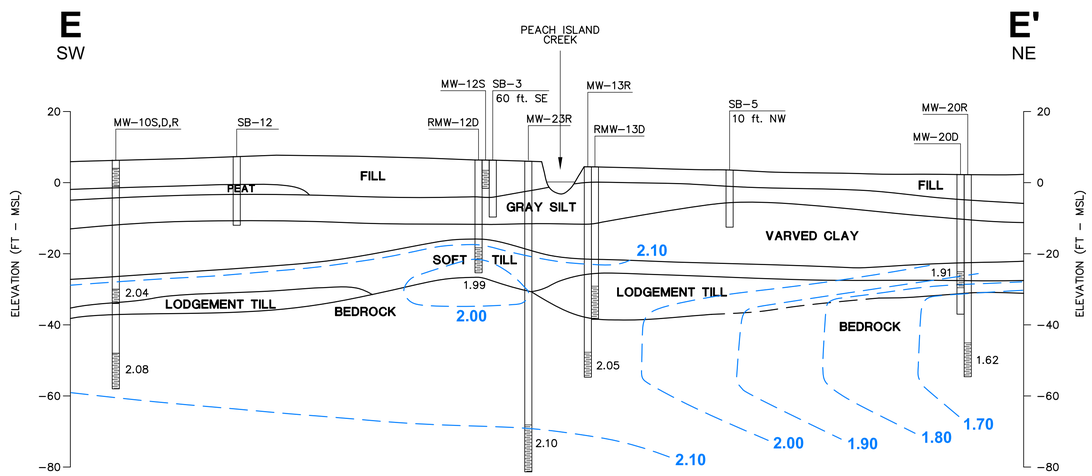
R2-0000779



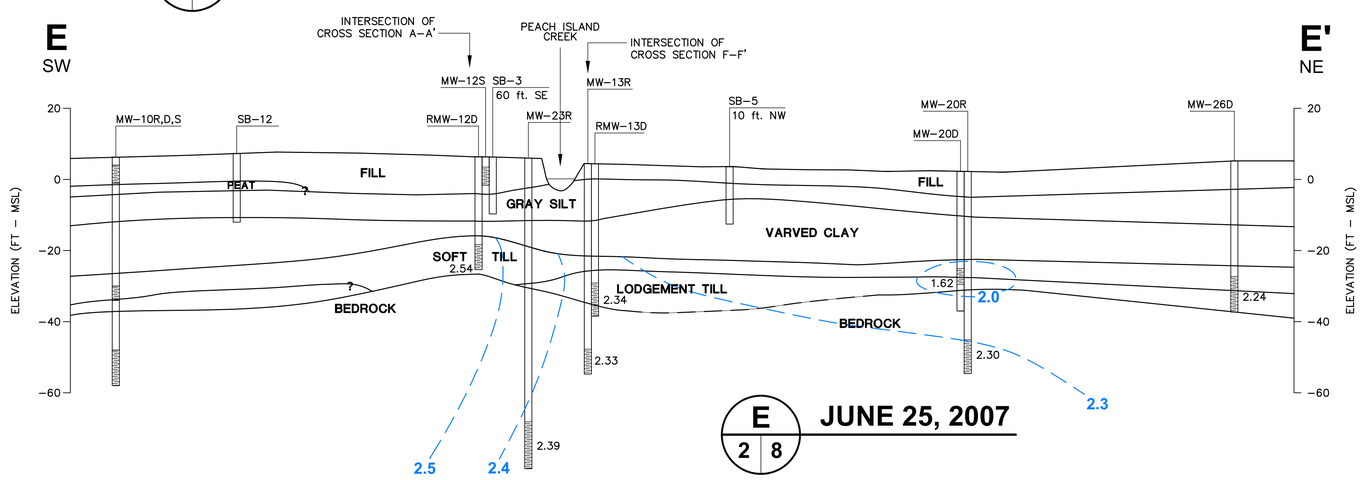
E 2 8 **1998 (NOV. 26 - NOV. 30)**



E 2 8 **1998 (DEC. 1 - DEC. 5)**



E 2 8 **AVERAGED SYNOPTICS (OCT. 28, 2002 - FEB. 3, 2003)**



E 2 8 **JUNE 25, 2007**

LEGEND

- E / 2 8 — DETAIL OR CROSS SECTION DESIGNATION; FIGURE No. WHERE CROSS SECTION LINE IS PRESENTED
- BH-33 / 450 ft. NW — BOREHOLE LABEL; PROJECTED DISTANCE
- TOP OF BOREHOLE
- SCREENED INTERVAL
- BOTTOM OF BOREHOLE
- INTERPRETED GROUNDWATER CONTOUR

NOTES

1.) SUBSURFACE INFORMATION OBTAINED DURING THE OFF-PROPERTY INVESTIGATION (1996-2007) SUPPLEMENTED WITH BOREHOLE INFORMATION OBTAINED FROM THE FOLLOWING PREVIOUS INVESTIGATIONS : DAMES AND MOORE, 1990 "FINAL REPORT - REMEDIAL INVESTIGATION SCP SITE, CARLSTADT, NEW JERSEY" DATED MARCH 1, 1990; AND CANONIE ENVIRONMENTAL, 1991 "INTERIM REMEDY REMEDIAL DESIGN REPORT", DATED JULY 19, 1991.

2.) FOR PRESENTATION PURPOSES THE CROSS SECTIONS WERE CONSTRUCTED DEPICTING MONITORING WELL CLUSTERS AS A SINGLE BOREHOLE WITH MULTIPLE WELL SCREENS. THE WELLS ARE IN REALITY SEPARATE AND DISTINCT.

3.) CONTOURS SHOW PIEZOMETRIC HEADS INTERPOLATED BETWEEN WELL SCREEN HEAD MEASUREMENTS.

REFERENCE

1.) TOPOGRAPHIC DATA AND SURFACE FEATURES BASED ON INFORMATION BY TAYLOR, WISEMAN & TAYLOR CONSULTING ENGINEERS / SURVEYORS / PLANNERS / LANDSCAPE ARCHITECTS, MOUNT LAUREL, NEW JERSEY, DATED JUNE 12, 1992.

2.) MONITORING WELLS (1996 AND RI WELLS), PIEZOMETERS, AND EXTRACTION WELLS SURVEYED BY GEOD CORPORATION (OCTOBER 1996). WELLS INSTALLED IN 1998 SURVEYED BY GEOD CORPORATION. WELLS INSTALLED IN 2002 AND 2007 SURVEYED BY JAMES M. STEWART, INC.

3.) SLURRY WALL BORING LOCATIONS TAKEN FROM DRAWING ENTITLED "INTERIM REMEDY FOR FIRST OPERABLE UNIT" FROM THE INTERIM REMEDIAL MEASURES REPORT BY CANONIE ENVIRONMENTAL, DATED AUGUST 1992.

100 0 100 200 HORIZONTAL SCALE FEET

20 0 20 40 VERTICAL SCALE FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT

216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE

INTERPRETED GROUNDWATER CONTOUR CROSS-SECTIONS

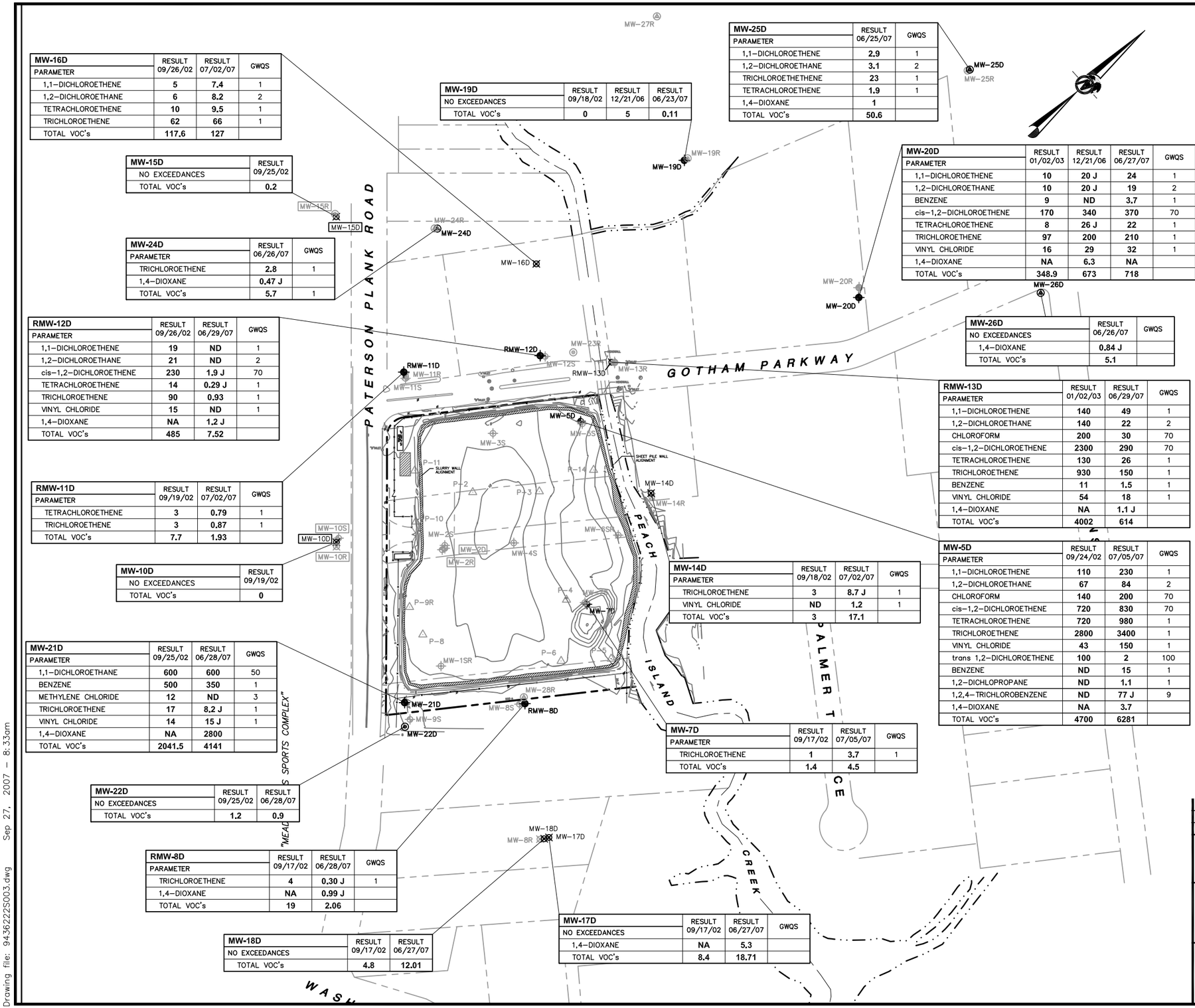
Golder Associates
Philadelphia USA

PROJECT No.		943-6222	FILE No.	9436222S008
DESIGN	KM	08/21/07	SCALE AS SHOWN	REV. 0
CADD	AM	09/27/07		
CHECK	KM	09/27/07		
REVIEW	SDM	09/27/07		

FIGURE 8

Drawing file: 9436222S008.dwg Sep 27, 2007 - 8:52am

R2-0000780



MW-16D PARAMETER	RESULT 09/26/02	RESULT 07/02/07	GWQS
1,1–DICHLOROETHENE	5	7.4	1
1,2–DICHLOROETHANE	6	8.2	2
TETRACHLOROETHENE	10	9.5	1
TRICHLOROETHENE	62	66	1
TOTAL VOC's	117.6	127	

MW-19D NO EXCEEDANCES	RESULT 09/18/02	RESULT 12/21/06	RESULT 06/23/07
TOTAL VOC's	0	5	0.11

MW-25D PARAMETER	RESULT 06/25/07	GWQS
1,1–DICHLOROETHENE	2.9	1
1,2–DICHLOROETHANE	3.1	2
TRICHLOROETHETHENE	23	1
TETRACHLOROETHENE	1.9	1
1,4–DIOXANE	1	
TOTAL VOC's	50.6	

MW-15D NO EXCEEDANCES	RESULT 09/25/02
TOTAL VOC's	0.2

MW-24D PARAMETER	RESULT 06/26/07	GWQS
TRICHLOROETHENE	2.8	1
1,4–DIOXANE	0.47 J	
TOTAL VOC's	5.7	1

MW-20D PARAMETER	RESULT 01/02/03	RESULT 12/21/06	RESULT 06/27/07	GWQS
1,1–DICHLOROETHENE	10	20 J	24	1
1,2–DICHLOROETHANE	10	20 J	19	2
BENZENE	9	ND	3.7	1
cis–1,2–DICHLOROETHENE	170	340	370	70
TETRACHLOROETHENE	8	26 J	22	1
TRICHLOROETHENE	97	200	210	1
VINYL CHLORIDE	16	29	32	1
1,4–DIOXANE	NA	6.3	NA	
TOTAL VOC's	348.9	673	718	

RMW-12D PARAMETER	RESULT 09/26/02	RESULT 06/29/07	GWQS
1,1–DICHLOROETHENE	19	ND	1
1,2–DICHLOROETHANE	21	ND	2
cis–1,2–DICHLOROETHENE	230	1.9 J	70
TETRACHLOROETHENE	14	0.29 J	1
TRICHLOROETHENE	90	0.93	1
VINYL CHLORIDE	15	ND	1
1,4–DIOXANE	NA	1.2 J	
TOTAL VOC's	485	7.52	

MW-26D NO EXCEEDANCES	RESULT 06/26/07	GWQS
1,4–DIOXANE	0.84 J	
TOTAL VOC's	5.1	

RMW-13D PARAMETER	RESULT 01/02/03	RESULT 06/29/07	GWQS
1,1–DICHLOROETHENE	140	49	1
1,2–DICHLOROETHANE	140	22	2
CHLOROFORM	200	30	70
cis–1,2–DICHLOROETHENE	2300	290	70
TETRACHLOROETHENE	130	26	1
TRICHLOROETHENE	930	150	1
BENZENE	11	1.5	1
VINYL CHLORIDE	54	18	1
1,4–DIOXANE	NA	1.1 J	
TOTAL VOC's	4002	614	

RMW-11D PARAMETER	RESULT 09/19/02	RESULT 07/02/07	GWQS
TETRACHLOROETHENE	3	0.79	1
TRICHLOROETHENE	3	0.87	1
TOTAL VOC's	7.7	1.93	

MW-10D NO EXCEEDANCES	RESULT 09/19/02
TOTAL VOC's	0

MW-5D PARAMETER	RESULT 09/24/02	RESULT 07/05/07	GWQS
1,1–DICHLOROETHENE	110	230	1
1,2–DICHLOROETHANE	67	84	2
CHLOROFORM	140	200	70
cis–1,2–DICHLOROETHENE	720	830	70
TETRACHLOROETHENE	720	980	1
TRICHLOROETHENE	2800	3400	1
VINYL CHLORIDE	43	150	1
trans 1,2–DICHLOROETHENE	100	2	100
BENZENE	ND	15	1
1,2–DICHLOPROPANE	ND	1.1	1
1,2,4–TRICHLOROBENZENE	ND	77 J	9
1,4–DIOXANE	NA	3.7	
TOTAL VOC's	4700	6281	

MW-14D PARAMETER	RESULT 09/18/02	RESULT 07/02/07	GWQS
TRICHLOROETHENE	3	8.7 J	1
VINYL CHLORIDE	ND	1.2	1
TOTAL VOC's	3	17.1	

MW-21D PARAMETER	RESULT 09/25/02	RESULT 06/28/07	GWQS
1,1–DICHLOROETHANE	600	600	50
BENZENE	500	350	1
METHYLENE CHLORIDE	12	ND	3
TRICHLOROETHENE	17	8.2 J	1
VINYL CHLORIDE	14	15 J	1
1,4–DIOXANE	NA	2800	
TOTAL VOC's	2041.5	4141	

MW-7D PARAMETER	RESULT 09/17/02	RESULT 07/05/07	GWQS
TRICHLOROETHENE	1	3.7	1
TOTAL VOC's	1.4	4.5	

MW-22D NO EXCEEDANCES	RESULT 09/25/02	RESULT 06/28/07
TOTAL VOC's	1.2	0.9

RMW-8D PARAMETER	RESULT 09/17/02	RESULT 06/28/07	GWQS
TRICHLOROETHENE	4	0.30 J	1
1,4–DIOXANE	NA	0.99 J	
TOTAL VOC's	19	2.06	

MW-18D NO EXCEEDANCES	RESULT 09/17/02	RESULT 06/27/07
TOTAL VOC's	4.8	12.01

MW-17D NO EXCEEDANCES	RESULT 09/17/02	RESULT 06/27/07	GWQS
1,4–DIOXANE	NA	5.3	
TOTAL VOC's	8.4	18.71	

LEGEND

- MW-8D — MONITORING WELL (INSTALLED DURING THE REMEDIAL INVESTIGATION)
- MW-8D — ABANDONED WELL
- MW-18D — MONITORING WELL (INSTALLED DURING THE OFF–PROPERTY INVESTIGATION –JULY 1996)
- MW-18D — MONITORING WELL (INSTALLED DURING THE OFF–PROPERTY INVESTIGATION – AUGUST 1998)
- MW-15R — MONITORING WELL (INSTALLED DURING THE OFF–PROPERTY INVESTIGATION – NOVEMBER 2002)
- MW-25D — MONITORING WELL (INSTALLED DURING THE OFF–PROPERTY INVESTIGATION – 2007)
- P-4 — SHALLOW PIEZOMETER (INSTALLED DURING THE REMEDIAL INVESTIGATION)
- MW-4S — EXTRACTION WELL (INSTALLED DURING THE REMEDIAL INVESTIGATION AND RETROFITTED FOR SHALLOW GROUNDWATER EXTRACTION)
- SITE PROPERTY–BOUNDARY
- PROPERTY/RIGHT–OF–WAY BOUNDARIES
- CONTOUR LINE
- STREAM
- FENCE
- UTILITY POLE
- APPROXIMATE SLURRY WALL ALIGNMENT
- APPROXIMATE SHEET PILE WALL ALIGNMENT

NOTES

1.) COORDINATE SYSTEM SHOWN IS NEW JERSEY STATE PLANE NAD27. ELEVATIONS SHOWN ARE BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929).

2.) GROUNDWATER QUALITY STANDARDS BASED ON "NEW JERSEY REGISTER" N.J.A.C. 7:9–6 "GROUNDWATER STANDARDS" JANUARY 7, 1993 (UPDATED AUGUST 24, 2007).

3.) ALL VALUES REPORTED IN PARTS PER BILLION (ppb).

4.) VALUES INDICATED AS TOTAL VOC's INCLUDE ADDITIONAL CONSTITUENTS FOR WHICH MEASURED LEVELS DID NOT EXCEED THE GROUNDWATER QUALITY STANDARD.

5.) NA – NOT ANALYZED

REFERENCES

1.) TOPOGRAPHIC DATA AND SURFACE FEATURES BASED ON INFORMATION BY TAYLOR, WISEMAN & TAYLOR CONSULTING ENGINEERS / SURVEYORS / PLANNERS / LANDSCAPE ARCHITECTS, MOUNT LAUREL, NEW JERSEY, DATED JUNE 12, 1992.

2.) LOT AND BLOCK DATA FROM LOCAL TAX MAP, BOUNDARIES APPROXIMATE.

3.) MONITORING WELLS (1996 AND RI WELLS), PIEZOMETERS, AND EXTRACTION WELLS SURVEYED BY GEOD CORPORATION (OCTOBER 1996). WELLS INSTALLED IN 1998 SURVEYED BY GEOD CORPORATION. WELLS INSTALLED IN 2002 AND 2007 SURVEYED BY JAMES M. STEWART, INC.

200 0 200
SCALE FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT
216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE
TILL GROUNDWATER QUALITY

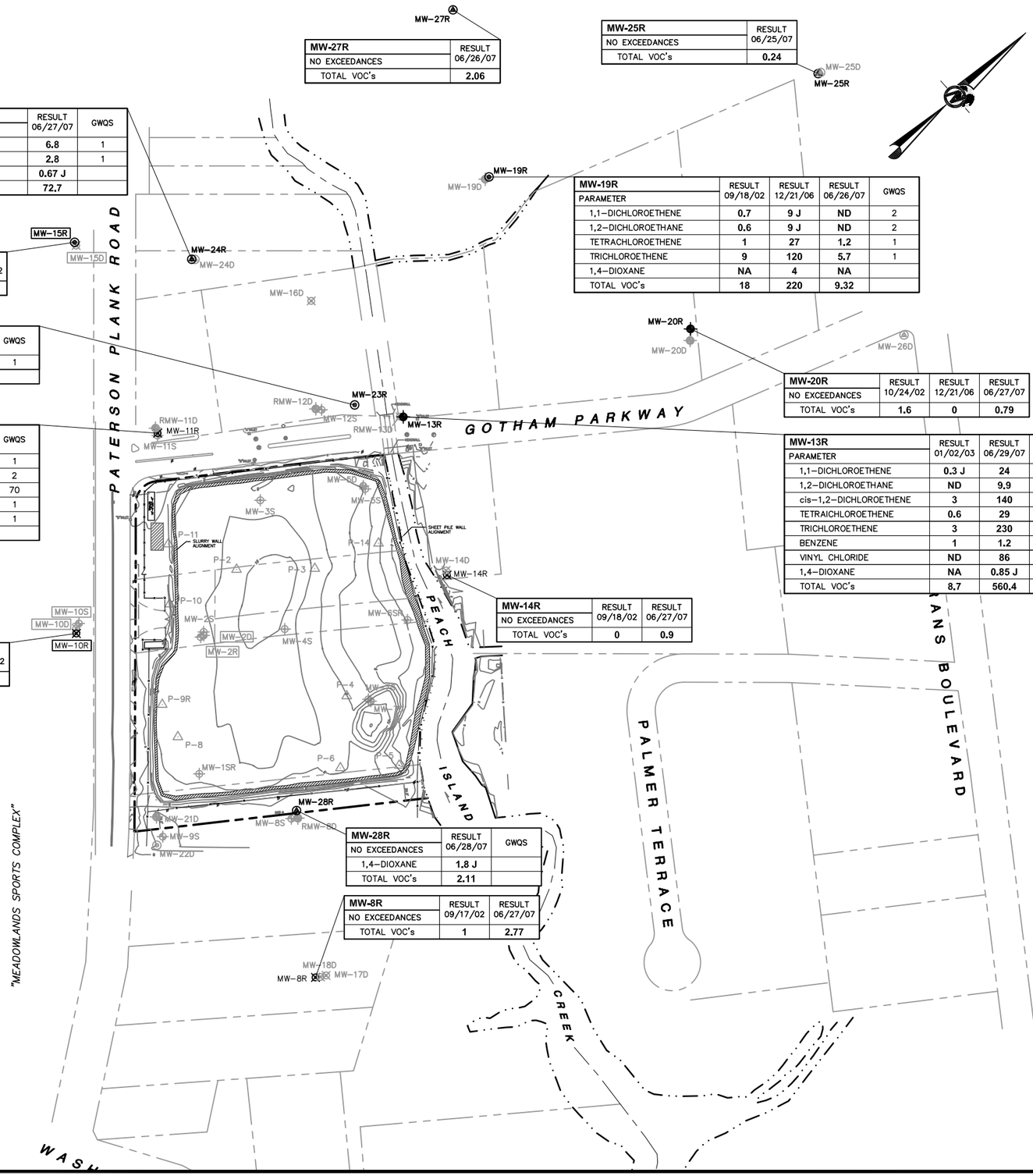
Golder Associates
Philadelphia USA

PROJECT No.		943–6222	FILE No.	9436222S003
DESIGN	KM	08/27/07	SCALE AS SHOWN	REV. 0
CADD	RG	09/27/07		
CHECK	KM	09/27/07		
REVIEW	SDM	09/27/07		

FIGURE 9

Drawing file: 9436222S003.dwg Sep 27, 2007 – 8:33am

R2-0000781



MW-27R	RESULT 06/26/07
NO EXCEEDANCES	
TOTAL VOC's	2.06

MW-25R	RESULT 06/25/07
NO EXCEEDANCES	
TOTAL VOC's	0.24

MW-24R PARAMETER	RESULT 06/27/07	GWQS
TRICHLOROETHENE	6.8	1
TETRACHLOROETHENE	2.8	1
1,4-DIOXANE	0.67 J	
TOTAL VOC's	72.7	

MW-15R	RESULT 09/25/02
NO EXCEEDANCES	
TOTAL VOC's	0.8

MW-19R PARAMETER	RESULT 09/18/02	RESULT 12/21/06	RESULT 06/26/07	GWQS
1,1-DICHLOROETHENE	0.7	9 J	ND	2
1,2-DICHLOROETHANE	0.6	9 J	ND	2
TETRACHLOROETHENE	1	27	1.2	1
TRICHLOROETHENE	9	120	5.7	1
1,4-DIOXANE	NA	4	NA	
TOTAL VOC's	18	220	9.32	

MW-23R PARAMETER	RESULT 09/26/02	RESULT 07/02/07	GWQS
TRICHLOROETHENE	5	1.5	1
TOTAL VOC's	7	2.02	

MW-20R	RESULT 10/24/02	RESULT 12/21/06	RESULT 06/27/07
NO EXCEEDANCES			
TOTAL VOC's	1.6	0	0.79

MW-11R PARAMETER	RESULT 09/24/02	RESULT 07/02/07	GWQS
1,1-DICHLOROETHENE	13	ND	1
1,2-DICHLOROETHANE	46	0.89	2
cis-1,2-DICHLOROETHENE	85	2.3	70
TETRACHLOROETHENE	260	5.6	1
TRICHLOROETHENE	210	7.5	1
TOTAL VOC's	627.8	16.8	

MW-13R PARAMETER	RESULT 01/02/03	RESULT 06/29/07	GWQS
1,1-DICHLOROETHENE	0.3 J	24	1
1,2-DICHLOROETHANE	ND	9.9	2
cis-1,2-DICHLOROETHENE	3	140	70
TETRAICHLOROETHENE	0.6	29	1
TRICHLOROETHENE	3	230	1
BENZENE	1	1.2	1
VINYL CHLORIDE	ND	86	1
1,4-DIOXANE	NA	0.85 J	
TOTAL VOC's	8.7	560.4	

MW-14R	RESULT 09/18/02	RESULT 06/27/07
NO EXCEEDANCES		
TOTAL VOC's	0	0.9

MW-10R	RESULT 09/19/02
NO EXCEEDANCES	
TOTAL VOC's	1

MW-28R	RESULT 06/28/07	GWQS
NO EXCEEDANCES		
1,4-DIOXANE	1.8 J	
TOTAL VOC's	2.11	

MW-8R	RESULT 09/17/02	RESULT 06/27/07
NO EXCEEDANCES		
TOTAL VOC's	1	2.77

LEGEND

- MW-8D — MONITORING WELL (INSTALLED DURING THE REMEDIAL INVESTIGATION)
- MW-8D — ABANDONED WELL
- MW-18D — MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION -JULY 1996)
- MW-18D — MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION - AUGUST 1998)
- MW-15R — MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION - NOVEMBER 2002)
- MW-25D — MONITORING WELL (INSTALLED DURING THE OFF-PROPERTY INVESTIGATION - 2007)
- P-4 — SHALLOW PIEZOMETER (INSTALLED DURING THE REMEDIAL INVESTIGATION)
- MW-4S — EXTRACTION WELL (INSTALLED DURING THE REMEDIAL INVESTIGATION AND RETROFITTED FOR SHALLOW GROUNDWATER EXTRACTION)
- SITE PROPERTY-BOUNDARY
- PROPERTY/RIGHT-OF-WAY BOUNDARIES
- CONTOUR LINE
- STREAM
- FENCE
- UTILITY POLE
- APPROXIMATE SLURRY WALL ALIGNMENT
- APPROXIMATE SHEET PILE WALL ALIGNMENT

NOTES

1.) COORDINATE SYSTEM SHOWN IS NEW JERSEY STATE PLANE NAD27. ELEVATIONS SHOWN ARE BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929).

2.) GROUNDWATER QUALITY STANDARDS BASED ON "NEW JERSEY REGISTER" N.J.A.C. 7:9-6 "GROUNDWATER STANDARDS" JANUARY 7, 1993 (UPDATED AUGUST 24, 2007).

3.) ALL VALUES REPORTED IN PARTS PER BILLION (ppb).

4.) VALUES INDICATED AS TOTAL VOC's INCLUDE ADDITIONAL CONSTITUENTS FOR WHICH MEASURED LEVELS DID NOT EXCEED THE GROUNDWATER QUALITY STANDARD.

5.) NA - NOT ANALYZED

REFERENCES

1.) TOPOGRAPHIC DATA AND SURFACE FEATURES BASED ON INFORMATION BY TAYLOR, WISEMAN & TAYLOR CONSULTING ENGINEERS / SURVEYORS / PLANNERS / LANDSCAPE ARCHITECTS, MOUNT LAUREL, NEW JERSEY, DATED JUNE 12, 1992.

2.) LOT AND BLOCK DATA FROM LOCAL TAX MAP, BOUNDARIES APPROXIMATE.

3.) MONITORING WELLS (1996 AND RI WELLS), PIEZOMETERS, AND EXTRACTION WELLS SURVEYED BY GEOD CORPORATION (OCTOBER 1996). WELLS INSTALLED IN 1998 SURVEYED BY GEOD CORPORATION. WELLS INSTALLED IN 2002 AND 2007 SURVEYED BY JAMES M. STEWART, INC.

200 0 200
SCALE FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT
216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE
BEDROCK GROUNDWATER QUALITY

Golder Associates
Philadelphia USA

PROJECT No.		943-6222	FILE No.	9436222S004
DESIGN	KM	08/27/07	SCALE AS SHOWN	REV. 0
CADD	RG	09/27/07		
CHECK	KM	09/27/07	**FIGURE 10**	
REVIEW	SDM	09/27/07		

Drawing file: 9436222S004.dwg Sep 27, 2007 - 8:32am

R2-0000782

APPENDIX A

BOREHOLE & MONITORING WELL CONSTRUCTION LOGS AND NEW JERSEY FORMS A & B

RECORD OF BOREHOLE MW-24D

SHEET 1 of 1

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 48.0 ft
AZIMUTH: N/A
LOCATION: Vacant Lot - Block 122, Lot 7

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 5/3/07
DATE COMPLETED: 5/9/07
WEATHER: Sunny

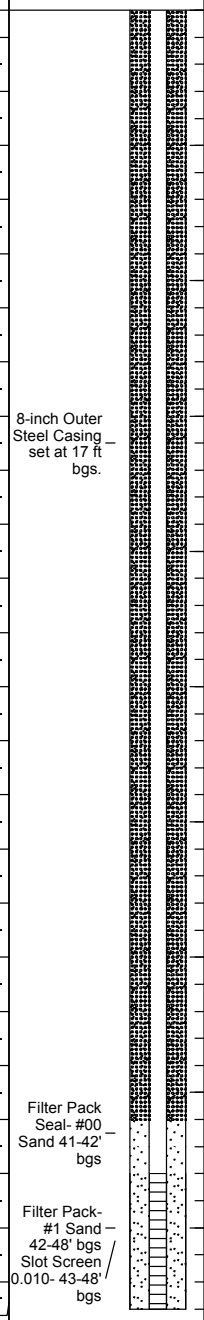
DATUM: Geodetic
COORDS: N: 725,806.2 E: 2,164,089.3
GS ELEVATION: 4.6 ft
TOC ELEVATION: 4.5 ft
TEMPERATURE: 65-70 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0		0.0 - 0.3 Concrete Slab	Concrete		0.3
		0.3 - 7.0 FILL (coarse to medium SAND and angular GRAVEL)	FILL		-2.4
5	0				
		7.0 - 11.0 Grayish-green clayey SILT, with varve like features, wet	ML		7.0 / -6.4
10	-5				
		11.0 - 14.0 Grayish-brown Bedded CLAY, wet	CH		11.0 / -9.4
15	-10	14.0 - 40.5 Gray massive (varved) CLAY, very soft, wet	CH		14.0
20	-15				
25	-20				
30	-25				
35	-30				
40	-35				-35.9
		40.5 - 43.0 Red-brown fine sandy SILT, some gravel, wet (Soft TILL)	ML		40.5 / -38.4
45	-40	43.0 - 48.0 Red-brown clayey SILT and GRAVEL, very hard, wet (Lodgement TILL)	ML		43.0 / -43.4
50	-45	Boring completed at 48.0 ft			
55	-50				

SAMPLES: NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT
1	SS	5-5-7-9	12	0.5 / 2.0
2	SS	10-11-8-7	19	0.2 / 2.0
3	SS	1-1-1-1	2	0.1 / 2.0
4	SS	5-7-7-9	14	0.7 / 2.0
5	SS	3-4-7-7	11	1.0 / 2.0
6	SS	8-10-11-12	21	2.0 / 2.0
7	SS	0-0-0-0	0	2.0 / 2.0
8	SS	0-0-0-0	0	2.0 / 2.0
9	SS	0-0-0-0	0	2.0 / 2.0
10	SS	0-0-0-0	0	2.0 / 2.0
11	SS	0-0-0-0	0	2.0 / 2.0
12	SS	0-0-0-0	0	2.0 / 2.0
13	SS	0-0-0-0	0	2.0 / 2.0
14	SS	0-0-0-0	0	2.0 / 2.0
15	SS	0-0-0-0	0	2.0 / 2.0
16	SS	0-0-0-0	0	2.0 / 2.0
17	SS	0-0-0-0	0	2.0 / 2.0
18	SS	0-0-0-0	0	2.0 / 2.0
19	SS	0-0-0-0	0	2.0 / 2.0
20	SS	48-65-100/2	>50	2.0 / 2.0
21	SS	17-33-25-23	>50	2.0 / 2.0
22	SS	29-33-49-82	>50	2.0 / 2.0
23	SS	33-46-100/2	>50	2.0 / 2.0
24	SS	50-100/3	100/3	0.6 / 0.8

MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES



WELL CONSTRUCTION DETAILS

WELL CASING
Interval: 0-43' bgs
Material: S.S.
Diameter: 4 inch
Joint Type: Threaded

WELL SCREEN
Interval: 43-48' bgs
Material: S.S.
Diameter: 4 inch
Slot Size: 0.010
End Cap: Yes

FILTER PACK
Interval: 42-48' bgs
Type: #1 Sand
Quantity: 2X100 lbs

FILTER PACK SEAL
Interval: 41-42' bgs
Type: #00 Sand
Quantity: 1/2X50 lbs

ANNULUS SEAL
Interval: 0-41' bgs
Type: Cement-Bentonite
Quantity: 25 gallons

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

BOREHOLE RECORD CARLSTADT.GPJ GOLDER NJ-PA.GDT 9/13/07

R2-0000784

RECORD OF BOREHOLE MW-24R

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 108.0 ft
AZIMUTH: N/A
LOCATION: Vacant Lot - Block 122, Lot 7

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 5/3/07
DATE COMPLETED: 5/22/07
WEATHER: Sunny

DATUM: Geodetic
COORDS: N: 725,802.2 E: 2,164,085.3
GS ELEVATION: 4.6 ft
TOC ELEVATION: 4.5 ft
TEMPERATURE: 65-70 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0		0.0 - 0.3 Concrete Slab	Concrete		0.3
		0.3 - 7.0 FILL (coarse to medium SAND and angular GRAVEL)	FILL		-2.4
5	0				
		7.0 - 11.0 Grayish-green clayey SILT, with varve like features, wet	ML		7.0 / -6.4
10	-5				
		11.0 - 14.0 Grayish-brown Bedded CLAY, wet	CH		11.0 / -9.4
15	-10	14.0 - 40.5 Gray massive (varved) CLAY, very soft, wet	CH		14.0
20	-15				
25	-20				
30	-25				
35	-30				
40	-35				-35.9
		40.5 - 43.0 Red-brown fine sandy SILT, some gravel, wet (Soft TILL)	ML		40.5 / -38.4
45	-40	43.0 - 48.0 Red-brown clayey SILT and GRAVEL, very hard, wet (Lodgement TILL)	ML		43.0 / -43.4
50	-45	48.0 - 54.0 Red-brown moderately weathered SILTSTONE			48.0 / -49.4
55	-50				54.0

Log continued on next page

SAMPLES

NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT
1	SS	5-5-7-9	12	0.5 / 2.0
2	SS	10-11-8-7	19	0.2 / 2.0
3	SS	1-1-1-1	2	0.1 / 2.0
4	SS	5-7-7-9	14	0.7 / 2.0
5	SS	3-4-7-7	11	1.0 / 2.0
6	SS	8-10-11-12	21	2.0 / 2.0
7	SS	0-0-0-0	0	2.0 / 2.0
8	SS	0-0-0-0	0	2.0 / 2.0
9	SS	0-0-0-0	0	2.0 / 2.0
10	SS	0-0-0-0	0	2.0 / 2.0
11	SS	0-0-0-0	0	2.0 / 2.0
12	SS	0-0-0-0	0	2.0 / 2.0
13	SS	0-0-0-0	0	2.0 / 2.0
14	SS	0-0-0-0	0	2.0 / 2.0
15	SS	0-0-0-0	0	2.0 / 2.0
16	SS	0-0-0-0	0	2.0 / 2.0
17	SS	0-0-0-0	0	2.0 / 2.0
18	SS	0-0-0-0	0	2.0 / 2.0
19	SS	0-0-0-0	0	2.0 / 2.0
20	SS	48-65-100/2	>50	2.0 / 2.0
21	SS	17-33-25-23	>50	2.0 / 2.0
22	SS	29-33-49-82	>50	2.0 / 2.0
23	SS	33-46-100/2	>50	2.0 / 2.0
24	SS	50-100/3	100/3	0.6 / 0.8
N/A	CORE	N/A	N/A	7.5 / 8.0

MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES

10-inch Outer Steel Casing set at 17 ft bgs.

WELL CONSTRUCTION DETAILS

WELL CASING
Interval: 0-59' bgs
Material: S.S.
Diameter: 2 inch
Joint Type: Threaded

WELL SCREEN
Interval: 59-69' bgs
Material: S.S.
Diameter: 2 inch
Slot Size: 0.010
End Cap: yes

FILTER PACK
Interval: 57-69' bgs
Type: #1 Sand
Quantity: 2x100 lbs

FILTER PACK SEAL
Interval: 56-57, 69-70 ' bgs
Type: #00 Sand
Quantity: 1X50 lbs

ANNULUS SEAL
Interval: 0-56, 70-108' bgs
Type: Cement-Bentonite
Quantity: 125 gallons

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

RECORD OF BOREHOLE MW-24R

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 108.0 ft
AZIMUTH: N/A
LOCATION: Vacant Lot - Block 122, Lot 7

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 5/3/07
DATE COMPLETED: 5/22/07
WEATHER: Sunny

DATUM: Geodetic
COORDS: N: 725,802.2 E: 2,164,085.3
GS ELEVATION: 4.6 ft
TOC ELEVATION: 4.5 ft
TEMPERATURE: 65-70 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT
54.0 - 56.0 Dark red-brown moderately weathered SANDSTONE *(Continued)*			-51.4	N/A	CORE	N/A	N/A	
56.0 - 67.0 Red-brown slightly weathered SILTSTONE			56.0	N/A	CORE	N/A	N/A	1.8 / 2.0
				N/A	CORE	N/A	N/A	2.0 / 2.0
				N/A	CORE	N/A	N/A	5.0 / 5.0
			-62.4	N/A	CORE	N/A	N/A	5.0 / 5.0
67.0 - 69.0 Red-brown highy weathered, vuggy SILTSTONE			67.0 -64.4					
69.0 - 77.5 Red-brown moderately weathered SILTSTONE			69.0	N/A	CORE	N/A	N/A	5.0 / 5.0
			-72.9	N/A	CORE	N/A	N/A	5.0 / 5.0
77.5 - 85.5 Dark red-brown moderately weathered SANDSTONE			77.5	N/A	CORE	N/A	N/A	0.8 / 5.0
			-80.9	N/A	CORE	N/A	N/A	5.0 / 5.0
85.5 - 108.0 Red-brown moderately weathered SILTSTONE			85.5	N/A	CORE	N/A	N/A	4.8 / 5.0
				N/A	CORE	N/A	N/A	4.5 / 5.0
			-103.4	N/A	CORE	N/A	N/A	7.4 / 8.0
Boring completed at 108.0 ft								

MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES

WELL CONSTRUCTION DETAILS

WELL CASING
Interval: 0-59' bgs
Material: S.S.
Diameter: 2 inch
Joint Type: Threaded

WELL SCREEN
Interval: 59-69' bgs
Material: S.S.
Diameter: 2 inch
Slot Size: 0.010
End Cap: yes

FILTER PACK
Interval: 57-69' bgs
Type: #1 Sand
Quantity: 2x100 lbs

FILTER PACK SEAL
Interval: 56-57, 69-70 ' bgs
Type: #00 Sand
Quantity: 1X50 lbs

ANNULUS SEAL
Interval: 0-56, 70-108' bgs
Type: Cement-Bentonite
Quantity: 125 gallons

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

RECORD OF BOREHOLE MW-25D

SHEET 1 of 1

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 38.0 ft
AZIMUTH: N/A
LOCATION: 700 Dell Road

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 3/21/07
DATE COMPLETED: 3/29/07
WEATHER: Sunny

DATUM: Geodetic
COORDS: N: 726,849.5 E: 2,164,584.9
GS ELEVATION: 6.9 ft
TOC ELEVATION: 6.6 ft
TEMPERATURE: 65 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT
0		0.0 - 5.0 FILL (micaseous ROCK fragments and brown-gray sandy SILT, trace peat, moist - 0-4 ft hand dug to clear utilities)	FILL		1.9					
5	5	5.0 - 8.0 Dark brown fiberous PEAT, some brown-gray sandy silt, moist	PT		5.0 / -1.1	1	SS	13-9-3-3	12	0.8/2.0
	0					2	SS	1-1-1-1	2	1.0/2.0
10		8.0 - 12.0 Greenish-gray sandy SILT, trace gravel, wet	ML		8.0 / -5.1	3	SS	2-3-8-8	11	0.4/2.0
	-5					4	SS	6-6-5-5	11	1.4/2.0
15		12.0 - 18.0 Gray to pink Bedded CLAY, wet	CH		12.0 / -11.1	5	SS	5-7-8-9	15	1.2/2.0
	-10					6	SS	2-2-3-3	5	1.7/2.0
						7	SS	1-1-1-1	2	0.3/2.0
20		18.0 - 20.0 Brown-gray silty CLAY, wet	CH		18.0 / -13.1	8	SS	1-1-1-1	2	1.5/2.0
	-15	20.0 - 29.0 Red-brown to gray massive (varved) CLAY, very soft, wet	CH		20.0 / -22.1	9	SS	0-0-0-0	0	2.0/2.0
25						10	SS	0-0-0-0	0	2.0/2.0
	-20					11	SS	0-0-0-0	0	2.0/2.0
						12	SS	0-0-0-0	0	2.0/2.0
30		29.0 - 30.0 Red-brown silty CLAY, wet	CL		-23.1	13	SS	0-0-0-1	0	2.0/2.0
	-25	30.0 - 32.0 Red-brown clayey SILT, some fine to coarse sand and gravel, wet (SOFT TILL).	ML		30.0 / -25.1	14	SS	3-14-17-26	31	1.0/2.0
35		32.0 - 37.5 Red-brown clayey SILT and GRAVEL, very hard, wet (Lodgement TILL)	ML		32.0 / -30.6	15	SS	32-52-62-75	>50	1.8/2.0
						16	SS	31-43-56-72	>50	2.0/2.0
	-30					17	SS	50-63-100/1	>50	1.0/1.1
		37.5 - 38.0 Top of Weathered Bedrock (SILTSTONE).								
40	-35	Boring completed at 38.0 ft								
45	-40									
50	-45									
55										

MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES

WELL CONSTRUCTION DETAILS

WELL CASING
Interval: 0-30.5' bgs
Material: S.S
Diameter: 4 inch
Joint Type: Threaded

WELL SCREEN
Interval: 30.5-38' bgs
Material: S.S.
Diameter: 4 inch
Slot Size: 0.010
End Cap: Yes

FILTER PACK
Interval: 29.5-38' bgs
Type: #1 Sand
Quantity: 2X100 lbs

FILTER PACK SEAL
Interval: 29-29.5' bgs
Type: #00 Sand
Quantity: 1/2x50 lbs

ANNULUS SEAL
Interval: 0-29' bgs
Type: Cement-Bentonite
Quantity: 20 gallons

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

BOREHOLE RECORD CARLSTADT.GPJ GOLDER NJ-PA.GDT 9/13/07

R2-0000787

RECORD OF BOREHOLE MW-25R

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 70.0 ft
AZIMUTH: N/A
LOCATION: 700 Dell Road

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 3/20/07
DATE COMPLETED: 3/29/07
WEATHER: P. Sunny

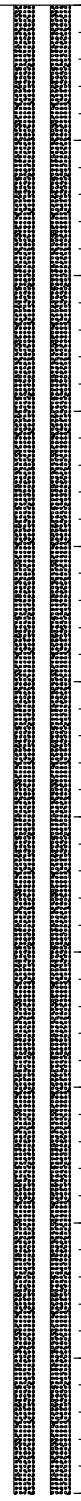
DATUM: Geodetic
COORDS: N: 726,844.8 E: 2,164,583.4
GS ELEVATION: 6.8 ft
TOC ELEVATION: 6.5 ft
TEMPERATURE: 60 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT
0		0.0 - 5.0 FILL (micaceous ROCK fragments and brown-gray sandy SILT, trace peat, moist - 0-4 ft hand dug to clear utilities)	FILL		1.8					
5	5	5.0 - 8.0 Dark brown fiberous PEAT, some brown-gray sandy silt, moist	PT		5.0 / -1.3	1	SS	13-9-3-3	12	0.8/2.0
	0					2	SS	1-1-1-1	2	1.0/2.0
		8.0 - 12.0 Greenish-gray sandy SILT, trace gravel, wet	ML		8.0 / -5.3	3	SS	2-3-8-8	11	0.4/2.0
10	-5					4	SS	6-6-5-5	11	1.4/2.0
		12.0 - 18.0 Gray to pink Bedded CLAY, wet	CH		12.0 / -11.3	5	SS	5-7-8-9	15	1.2/2.0
15	-10					6	SS	2-2-3-3	5	1.7/2.0
						7	SS	1-1-1-1	2	0.3/2.0
		18.0 - 20.0 Brown-gray silty CLAY, wet	CH		18.0 / -13.3	8	SS	1-1-1-1	2	1.5/2.0
20		20.0 - 29.0 Red-brown to gray massive (varved) CLAY, very soft, wet	CH		20.0 / -22.3	9	SS	0-0-0-0	0	2.0/2.0
	-15					10	SS	0-0-0-0	0	2.0/2.0
25						11	SS	0-0-0-0	0	2.0/2.0
	-20					12	SS	0-0-0-0	0	2.0/2.0
						13	SS	0-0-0-1	0	2.0/2.0
30		29.0 - 30.0 Red-brown silty CLAY, wet	CL		-23.3					
	-25	30.0 - 32.0 Red-brown clayey SILT, some fine to coarse sand and gravel, wet (SOFT TILL).	ML		30.0 / -25.3	14	SS	3-14-17-26	31	1.0/2.0
35		32.0 - 37.5 Red-brown clayey SILT and GRAVEL, very hard, wet (Lodgement TILL)	ML		32.0 / -30.8	15	SS	32-52-62-75	>50	1.8/2.0
	-30					16	SS	31-43-56-72	>50	2.0/2.0
						17	SS	50-63-100/1	>50	1.0/1.1
40	-35	37.5 - 50.0 Red-brown weathered SILTSONE			37.5 / -43.3	N/A	CORE	N/A	N/A	0.0/12.9
45	-40									
50		50.0 - 70.0 Red-brown slightly weathered to unweathered SILTSTONE			50.0	N/A	CORE	N/A	N/A	5.0/5.0
55	-45									

Log continued on next page

MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES



WELL CONSTRUCTION DETAILS

WELL CASING
Interval: 0-60' bgs
Material: Steel Casing
Diameter: 4 inch
Joint Type: Welded

WELL SCREEN
Interval: 60-70' bgs
Material: Open Borehole
Diameter: 3 inch
Slot Size: Open
End Cap: NO

FILTER PACK
Interval: N/A
Type: N/A
Quantity: N/A

FILTER PACK SEAL
Interval: N/A
Type: N/A
Quantity: N/A

ANNULUS SEAL
Interval: N/A
Type: N/A
Quantity: N/A

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

BOREHOLE RECORD CARLSTADT.GPJ GOLDER NJ-PA.GDT 9/13/07

RECORD OF BOREHOLE MW-25R

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 70.0 ft
AZIMUTH: N/A
LOCATION: 700 Dell Road

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 3/20/07
DATE COMPLETED: 3/29/07
WEATHER: P. Sunny

DATUM: Geodetic
COORDS: N: 726,844.8 E: 2,164,583.4
GS ELEVATION: 6.8 ft
TOC ELEVATION: 6.5 ft
TEMPERATURE: 60 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES	WELL CONSTRUCTION DETAILS
55		50.0 - 70.0 Red-brown slightly weathered to unweathered SILTSTONE *(Continued)*										**WELL CASING** Interval: 0-60' bgs Material: Steel Casing Diameter: 4 inch Joint Type: Welded
	-50					N/A	CORE	N/A	N/A	5.0/5.0	4-inch Steel Casing set at 60 ft bgs	**WELL SCREEN** Interval: 60-70' bgs Material: Open Borehole Diameter: 3 inch Slot Size: Open End Cap: NO
60												
	-55					N/A	CORE	N/A	N/A	2.0/5.0	3-inch Open Rock Borehole w/ 2-inch Stainless Steel Slotted Sleeve (60-70 ft bgs)	**FILTER PACK** Interval: N/A Type: N/A Quantity: N/A
65												
	-60					N/A	CORE	N/A	N/A	3.5/5.0		**FILTER PACK SEAL** Interval: N/A Type: N/A Quantity: N/A
70		Boring completed at 70.0 ft			-63.3							**ANNULUS SEAL** Interval: N/A Type: N/A Quantity: N/A
	-65											
75												
	-70											
80												
	-75											
85												
	-80											
90												
	-85											
95												
	-90											
100												
	-95											
105												
	-100											
110												

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

RECORD OF BOREHOLE MW-26D

SHEET 1 of 1

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 42.5 ft
AZIMUTH: N/A
LOCATION: Gotham & Veterans

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 6/12/07
DATE COMPLETED: 6/13/07
WEATHER: Sunny

DATUM: Geodetic
COORDS: N: 726,648.0 E: 2,165,028.4
GS ELEVATION: 5.2 ft
TOC ELEVATION: 5.1 ft
TEMPERATURE: 80 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0	5	0.0 - 4.0 TOPSOIL/FILL (silty CLAY - hand dug to clear utilities)	FILL		1.2
5	0	4.0 - 8.0 Gray-brown clayey SILT, some fine-coarse gravel, moist	ML		4.0 -2.8
10	-5	8.0 - 11.0 Blue-green to Tan fine sandy SILT, trace clay, wet	ML		8.0 -5.8
15	-10	11.0 - 18.0 Gray Bedded CLAY, wet	CH		11.0 -12.8
20	-15	18.0 - 29.5 Gray Massive (varved) CLAY, trace silt and fine sand, wet	CH		18.0 -24.3
30	-25	29.5 - 36.5 Orange-brown fine sandy SILT and silty CLAY, some gravel, wet (Soft TILL)	CL-ML		29.5 -31.3
40	-35	36.5 - 42.5 Orange-brown fine sandy SILT, some gravel, trace clay, hard, wet (Lodgement TILL)	ML		36.5 -37.3
		Boring completed at 42.5 ft			

SAMPLES

NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT
1	SS	4-5-17-7	22	0.5/2.0
2	SS	5-8-7-10	15	0.2/2.0
3	SS	5-12-14-15	26	1.5/2.0
4	SS	4-5-5-7	10	1.2/2.0
5	SS	6-7-7-8	14	1.0/2.0
6	SS	4-2-3-2	5	2.0/2.0
7	SS	1-1-1-1	2	2.0/2.0
8	SS	1-1-1-0	2	1.5/2.0
9	SS	0-0-0-0	0	2.0/2.0
10	SS	1-1-1-1	2	1.6/2.0
11	SS	0-0-0-0	0	2.0/2.0
12	SS	0-0-0-0	0	2.0/2.0
13	SS	2-2-3-4	5	2.0/2.0
14	SS	2-3-4-3	7	1.0/2.0
15	SS	0-1-2-3	3	2.0/2.0
16	SS	4-8-10-11	18	2.0/2.0
17	SS	13-15-20-23	35	1.2/2.0
18	SS	19-21-15-21	36	1.0/2.0
19	SS	15-20-28-44	48	1.5/2.0
20	SS	100/3	100/3	0.3/0.5

MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES

WELL CONSTRUCTION DETAILS

WELL CASING
Interval: 0-32.5' bgs
Material: S.S.
Diameter: 4 inch
Joint Type: Threaded

WELL SCREEN
Interval: 32.5-42.5' bgs
Material: S.S.
Diameter: 4 inch
Slot Size: 0.010
End Cap: Yes

FILTER PACK
Interval: 31.5-42.5' bgs
Type: #1 Sand
Quantity: 4X100 lbs

FILTER PACK SEAL
Interval: 29.5-31.5' bgs
Type: #00 Sand
Quantity: 3X50 lbs

ANNULUS SEAL
Interval: 0-29.5' bgs
Type: Cement-Bentonite
Quantity: 18 gallons

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

BOREHOLE RECORD CARLSTADT.GPJ GOLDER NJ-PA.GDT 9/13/07

R2-0000790

RECORD OF BOREHOLE MW-27R

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 125.0 ft
AZIMUTH: N/A
LOCATION: 700 Dell Road

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 3/30/07
DATE COMPLETED: 5/2/07
WEATHER: Sunny

DATUM: Geodetic
COORDS: N: 726,440.6 E: 2,164,067.2
GS ELEVATION: 6.0 ft
TOC ELEVATION: 5.9 ft
TEMPERATURE: 64 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

SOIL PROFILE

DEPTH (ft)	ELEVATION (ft)	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0		0.0 - 4.0 FILL (CONCRETE and ROCK fragments - hand dug to clear utilities)	FILL		2.0
		4.0 - 7.0 Dark brown fiberous PEAT with little brown-gray sandy silt, moist	PT		4.0 / -1.0
		7.0 - 13.0 Greenish-gray clayey SILT, moist	ML		7.0 / -7.0
		13.0 - 15.5 Grayish-brown Bedded CLAY, wet	CH		13.0 / -9.5
		15.5 - 37.5 Gray massive (varved) CLAY, very soft, wet	CH		15.5 / -31.5
		37.5 - 52.0 Red-brown clayey fine SAND, little sub-rounded, fine to coarse gravel, wet (Soft TILL)	SM		37.5 / -46.0
			ML		52.0

Log continued on next page

SAMPLES

NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT
1	SS	0-0-0-0	0	2.0/2.0
2	SS	0-0-2-2	2	2.0/2.0
3	SS	2-2-3-4	5	1.2/2.0
4	SS	0-0-4-6	4	2.0/2.0
5	SS	8-8-11-12	19	2.0/2.0
6	SS	2-2-2-2	4	2.0/2.0
7	SS	0-0-0-0	0	2.0/2.0
8	SS	0-0-1-1	1	2.0/2.0
9	SS	0-0-0-0	0	2.0/2.0
10	SS	0-0-0-0	0	2.0/2.0
11	SS	0-0-0-0	0	2.0/2.0
12	SS	0-0-0-0	0	2.0/2.0
13	SS	0-0-0-0	0	2.0/2.0
14	SS	0-0-0-0	0	2.0/2.0
15	SS	0-0-0-0	0	2.0/2.0
16	SS	0-0-0-0	0	2.0/2.0
17	SS	0-0-0-0	0	2.0/2.0
18	SS	6-3-2-1	5	2.0/2.0
19	SS	1-1-1-1	2	1.0/2.0
20	SS	3-2-2-2	4	2.0/2.0
21	SS	1-2-3-2	5	0.8/2.0
22	SS	2-3-3-3	6	2.0/2.0
23	SS	2-2-2-2	4	1.0/2.0
24	SS	6-7-7-8	14	2.0/2.0
25	SS	9-22-31-40	>50	2.0/2.0
26	SS	18-26-44-100/3	>50	1.8

MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES

10-inch Outer Steel Casing set at 16.5 ft

WELL CONSTRUCTION DETAILS

WELL CASING
Interval: 0-78' bgs
Material: S.S.
Diameter: 2 inch
Joint Type: Threaded

WELL SCREEN
Interval: 78-88' bgs
Material: S.S.
Diameter: 2 inch
Slot Size: 0.010
End Cap: Yes

FILTER PACK
Interval: 74-89' bgs
Type: #1 Sand
Quantity: 2X100 lbs

FILTER PACK SEAL
Interval: 71-74, 91-89' bgs
Type: #00 Sand
Quantity: 6x50 lbs

ANNULUS SEAL
Interval: 0-71, 91-125' bgs
Type: Cement-Bentonite
Quantity: 100 gallons

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

RECORD OF BOREHOLE MW-27R

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 125.0 ft
AZIMUTH: N/A
LOCATION: 700 Dell Road

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 3/30/07
DATE COMPLETED: 5/2/07
WEATHER: Sunny

DATUM: Geodetic
COORDS: N: 726,440.6 E: 2,164,067.2
GS ELEVATION: 6.0 ft
TOC ELEVATION: 5.9 ft
TEMPERATURE: 64 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

SOIL PROFILE					SAMPLES						
DEPTH (ft) / ELEVATION (ft)	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES	WELL CONSTRUCTION DETAILS
55 / -50	52.0 - 59.0 Red-brown clayey SILT and fine to coarse GRAVEL with little weathered siltstone fragments, very hard, wet (Lodgement TILL). *(Continued)*	ML		-53.0	26	SS	18-26-44-100/3	>50	1.8		
60 / -55	59.0 - 64.0 Red-brown highly weathered, Saprolitic SILTSTONE			59.0	N/A	CORE	N/A	N/A	0.0 / 7.0		
				-58.0	N/A	CORE	N/A	N/A	0.5 / 2.0		
65 / -60	64.0 - 80.0 Red-brown moderately weathered SILTSTONE			64.0	N/A	CORE	N/A	N/A	8.6 / 10.0	6-inch Steel Casing set at 75 ft Filter Pack Seal (#00 Sand, 71-74 ft bgs)	**WELL CASING** Interval: 0-78' bgs Material: S.S. Diameter: 2 inch Joint Type: Threaded **WELL SCREEN** Interval: 78-88' bgs Material: S.S. Diameter: 2 inch Slot Size: 0.010 End Cap: Yes **FILTER PACK** Interval: 74-89' bgs Type: #1 Sand Quantity: 2X100 lbs **FILTER PACK SEAL** Interval: 71-74, 91-89' bgs Type: #00 Sand Quantity: 6x50 lbs **ANNULUS SEAL** Interval: 0-71, 91-125' bgs Type: Cement-Bentonite Quantity: 100 gallons
70 / -65					N/A	CORE	N/A	N/A	5.0 / 7.0		
75 / -70				-74.0							
80 / -75	80.0 - 93.0 Red-brown highly weathered to completely weathered, vuggy, Saprolitic SILTSTONE			80.0	N/A	CORE	N/A	N/A	10.0 / 10.0	Filter Pack (#1 Sand, 74-89 ft bgs) Screen Slot 0.010 (78-88 ft bgs) Filter Pack Seal (#00 Sand, 89-91 ft bgs)	
85 / -80											
90 / -85				-87.0							
95 / -90	93.0 - 112.0 Red-brown slightly to moderately weathered SILTSTONE			93.0	N/A	CORE	N/A	N/A	9.7 / 10.0		
100 / -95											
105 / -100					N/A	CORE	N/A	N/A	10.0 / 10.0	Grout (91-125 ft bgs)	
110	Log continued on next page										

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

BOREHOLE RECORD CARLSTADT.GPJ GOLDER NJ-PA.GDT 9/13/07

RECORD OF BOREHOLE MW-27R

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 125.0 ft
AZIMUTH: N/A
LOCATION: 700 Dell Road

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 3/30/07
DATE COMPLETED: 5/2/07
WEATHER: Sunny

DATUM: Geodetic
COORDS: N: 726,440.6 E: 2,164,067.2
GS ELEVATION: 6.0 ft
TOC ELEVATION: 5.9 ft
TEMPERATURE: 64 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES	WELL CONSTRUCTION DETAILS
110	-105	93.0 - 112.0 Red-brown slightly to moderately weathered SILTSTONE *(Continued)*			-106.0	N/A	CORE	N/A	N/A	10.0 / 10.0		**WELL CASING** Interval: 0-78' bgs Material: S.S. Diameter: 2 inch Joint Type: Threaded **WELL SCREEN** Interval: 78-88' bgs Material: S.S. Diameter: 2 inch Slot Size: 0.010 End Cap: Yes **FILTER PACK** Interval: 74-89' bgs Type: #1 Sand Quantity: 2X100 lbs **FILTER PACK SEAL** Interval: 71-74, 91-89' bgs Type: #00 Sand Quantity: 6x50 lbs **ANNULUS SEAL** Interval: 0-71, 91-125' bgs Type: Cement-Bentonite Quantity: 100 gallons
		112.0 - 113.0 No Core Recovered - 1,500-gallons of drilling water loss over this interval (avg. loss in previous drilling 50-gal. per 10 ft.)			-107.0 113.0							
115	-110	113.0 - 120.0 Red-brown highly Weathered to completely weathered, vuggy, Saprolitic SILTSTONE			-114.0	N/A	CORE	N/A	N/A	7.0 / 8.0		
120	-115	120.0 - 125.0 Red-brown slightly to moderately weathered SILTSTONE			120.0 -119.0	N/A	CORE	N/A	N/A	5.0 / 5.0		
125	-120	Boring completed at 125.0 ft										
130	-125											
135	-130											
140	-135											
145	-140											
150	-145											
155	-150											
160	-155											
165												

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

RECORD OF BOREHOLE MW-28R

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 76.0 ft
AZIMUTH: N/A
LOCATION: 256 Paterson Plank Rd.

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 4/18/07
DATE COMPLETED: 4/27/07
WEATHER: Sunny

DATUM: Geodetic
COORDS: N: 725,287.0 E: 2,164,933.4
GS ELEVATION: 6.2 ft
TOC ELEVATION: 5.9 ft
TEMPERATURE: 60-70 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

SOIL PROFILE					SAMPLES					MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES	WELL CONSTRUCTION DETAILS
DEPTH (ft) / ELEVATION (ft)	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT		
0 / 5	0.0 - 4.0 FILL (ASPHALT and Rock fragments)	FILL		2.2	1	SS	20-30-28-30	>50	1.0/2.0	8-inch Outer Steel Casing set at 17 ft bgs	**WELL CASING** Interval: 0-66' bgs Material: Steel Casing Diameter: 4 inch Joint Type: welded
					2	SS	20-13-7-5	20	0.6/2.0		
5 / 0	4.0 - 8.0 Dark brown fiberous PEAT, moist	PT		4.0 -1.8	3	SS	0-1-0-1	1	1.2/2.0		**WELL SCREEN** Interval: Open (66-76' bgs) Material: Open Borehole Diameter: 3 inch Slot Size: Open End Cap: NO
					4	SS	0-0-1-1	1	1.6/2.0		
	8.0 - 9.0 Grayish-green fine sandy SILT, moist	ML		-2.8	5	SS	1-4-4-1	8	1.2/2.0		**FILTER PACK** Interval: N/A Type: N/A Quantity: N/A
10 / -5	9.0 - 10.0 Gray-brown clayey SILT, moist	ML		-3.8							
	10.0 - 13.0 Orange-brown silty CLAY, wet	CL		10.0 -6.8	6	SS	3-3-5-7	8	1.3/2.0		**FILTER PACK SEAL** Interval: N/A Type: N/A Quantity: N/A
					7	SS	7-8-10-12	18	1.0/2.0		
15 / -10	13.0 - 16.0 Grayish-brown Bedded CLAY, wet	CH		13.0 -9.8	8	SS	12-13-14-16	27	1.0/2.0		**ANNULUS SEAL** Interval: N/A Type: N/A Quantity: N/A
	16.0 - 39.5 Red-brown to gray, massive (varved) CLAY, very soft, wet	CH		16.0	9	SS	3-3-3-3	6	1.5/2.0		
20 / -15					10	SS	0-1-0-1	1	2.0/2.0		
					11	SS	0-1-0-0	1	1.9/2.0		
					12	SS	0-1-0-0	1	1.9/2.0		
25 / -20					13	SS	0-0-0-0	0	2.0/2.0		
					14	SS	0-0-0-0	0	2.0/2.0		
					15	SS	0-0-0-0	0	2.0/2.0		
30 / -25					16	SS	0-0-0-0	0	2.0/2.0		
					17	SS	0-0-0-0	0	2.0/2.0	2-inch Stainless Steel Riser (0-66 ft bgs)	
35 / -30					18	SS	0-0-0-0	0	2.0/2.0		
					19	SS	0-0-0-0	0	2.0/2.0		
				-33.3	20	SS	0-1-1-0	2	2.0/2.0		
40 / -35	39.5 - 44.0 Red-brown sandy SILT with trace to little fine gravel, wet (SOFT TILL).	ML		39.5 -37.8	21	SS	0-0-1-1	1	2.0/2.0		
					22	SS	2-4-6-9	10	1.9/2.0		
45 / -40	44.0 - 56.0 Red-brown fine sandy SILT, some fine to coarse subangular GRAVEL, wet (Lodgement TILL).	ML		44.0	23	SS	9-17-24-29	41	1.7/2.0		
					24	SS	29-34-39-48	>50	1.6/2.0		
50 / -45					25	SS	30-62-100/4	>50	1.5/2.0		
					26	SS	33-34-36-37	>50	1.5/2.0		
					27	SS	33-35-62-67	>50	2.0/2.0		
55					28	SS	57-100/3	100/3	0.8		

Log continued on next page

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

RECORD OF BOREHOLE MW-28R

PROJECT: 216 Paterson Plank Rd NPL Site
PROJECT NUMBER: 943-6222
DRILLED DEPTH: 76.0 ft
AZIMUTH: N/A
LOCATION: 256 Paterson Plank Rd.

DRILL METHOD: HSA/Wash Rotary
DRILL RIG: CME-85
DATE STARTED: 4/18/07
DATE COMPLETED: 4/27/07
WEATHER: Sunny

DATUM: Geodetic
COORDS: N: 725,287.0 E: 2,164,933.4
GS ELEVATION: 6.2 ft
TOC ELEVATION: 5.9 ft
TEMPERATURE: 60-70 F

INCLINATION: -90
DEPTH W.L.:
ELEVATION W.L.:
DATE W.L.:
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	MONITORING WELL/ PIEZOMETER DIAGRAM and NOTES	WELL CONSTRUCTION DETAILS
55			ML		-49.8					0.8		**WELL CASING** Interval: 0-66' bgs Material: Steel Casing Diameter: 4 inch Joint Type: welded
	-50	56.0 - 59.0 Red-brown highly to completely weathered Saprolitic SILTSTONE			56.0							
					-52.8	N/A	CORE	N/A	N/A	3.0 / 5.0		
		59.0 - 76.0 Red-brown moderately to slightly weathered SILTSTONE			59.0							
60	-55											
65											4-inch Steel Casing set at 66 ft bgs	**WELL SCREEN** Interval: Open (66-76' bgs) Material: Open Borehole Diameter: 3 inch Slot Size: Open End Cap: NO **FILTER PACK** Interval: N/A Type: N/A Quantity: N/A
	-60											
						N/A	CORE	N/A	N/A	4.0 / 5.0		**FILTER PACK SEAL** Interval: N/A Type: N/A Quantity: N/A
70											3-inch Open Rock Borehole w/ 2-inch Stainless Steel Slotted Sleeve (66-76 ft bgs)	**ANNULUS SEAL** Interval: N/A Type: N/A Quantity: N/A
	-65											
75					-69.8							
	-70	Boring completed at 76.0 ft										
80	-75											
85	-80											
90	-85											
95	-90											
100	-95											
105	-100											
110												

LOG SCALE: 1 in = 7 ft
DRILLING COMPANY: AmeriDrill, Inc
DRILLER: Steve Bartros

GA INSPECTOR: JLH
CHECKED BY: K.M.
DATE: 8/16/07

Golder Associates

1007

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number
2600082601

MONITORING WELL RECORD

Atlas Sheet Coordinates
2613229

OWNER IDENTIFICATION 216 PATERSON PLANK RD COOPERATING PRP GR

Address 200 CENTURY PKWY / SUITE C

City Mount Laurel State New Jersey Zip Code 08054

WELL LOCATION - If not the same as owner please give address Owner's Well No. MW-24D

County Bergen Municipality Carlstadt Boro Lot No. 7 Block No. 122

Address PATERSON PLANK RD & GOTHAM PKWY HACKENSACK STEEL

WELL USE Monitoring

DATE WELL STARTED 5/9/07

DATE WELL COMPLETED 5/12/07

WELL CONSTRUCTION

Total Depth Drilled 48 ft.

Finished Well Depth 48 ft.

Borehole Diameter:

Top 12 in.

Bottom 8 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Steel protective casing installed? ☐ Yes ☐ No

Static Water Level after drilling ____ ft.

Water Level was Measured Using ____

Well was developed for 1 hours

at 2 gpm

Method of development Pumping

Pump Capacity ____ gpm

Pump Type ____

Drilling Fluid ____ Type of Rig CME 85

Health and Safety Plan Submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	43	4	STAINLESS STEEL	.304
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)	0	18	8	STEEL	.250
Open Hole or ~~Screen~~ (No. Used .010)	43	48	4	STAINLESS STEEL	.316
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	41	48	8	MORIE SAND	#1
Grout	0/0	19/41	12/8	Neat Cement / Bentonite	1222 lbs / 15 lbs

Grouting Method TREMIE GROUT

Drilling Method HSA

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5' FILL
5'-40' CLAY
40'-48' TILL

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AMERIDRILL INC

Well Driller (Print) STEPHEN BARTES

Driller's Signature [signature]

Registration No. SD0023951 Date 7/11/07

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: ____ EASTING: ____

OR

LATITUDE: ° ' " LONGITUDE: ° ' "

ORIGINAL: DEP *COPIES: DRILLER* *OWNER* *HEALTH DEPARTMENT*

R2-0000796

DWR-133M
6/04

NJ 144

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Permit No. 2600026601

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

COORD #: 26 • 13 • 289

Owner [illegible]
Address [illegible]

Driller [illegible]
Address [illegible]

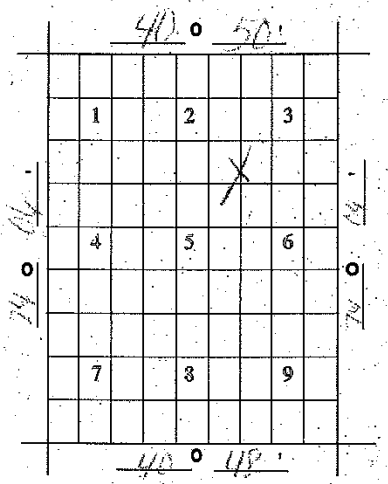
Name of Facility [illegible]
Address [illegible]

Diameter of Well(s)	Inches	Proposed Depth of Well(s)	40 Feet
# of Wells Applied for (max. 10)	1	Will pumping equipment be utilized?	YES ☐ NO ☒
Type of Well (see reverse)	Monitoring	If Yes, give pump capacity	cumulative GPM

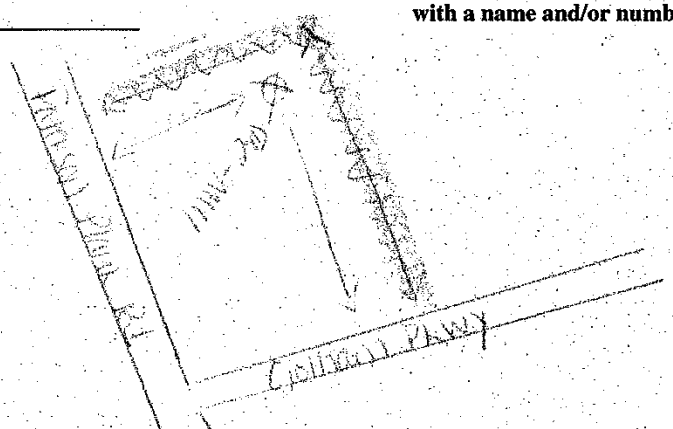
LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
7	124	Carlstadt	Bergen

State Atlas Map No. 26



Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



N ↑

PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____

OR

LATITUDE: __° __' __ __" LONGITUDE: __° __' __ __"

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT - PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☐ Underground Storage Tank Site
- ☒ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) _____
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site

CASE I.D. Number _____

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.
MAR 7 2007
BUREAU OF WATER SYSTEMS & WELL PERMITTING

FOR D.E.P. USE
☐ Issuance of this permit is subject to the conditions attached. (see next page)
☒ For monitoring purposes only
☐ _____

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 3/1/07 Signature of Driller [illegible] Registration No. [illegible]

Signature of Property Owner [illegible]

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

R2-0000797

1064

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number 2600082602

MONITORING WELL RECORD

Atlas Sheet Coordinates 2613229

OWNER IDENTIFICATION 216 PATERSON PLANK RD COOPERATING PRP GR

Address 200 CENTURY PKWY / SUITE C

City Mount Laurel State New Jersey Zip Code 08054

WELL LOCATION - If not the same as owner please give address Owner's Well No. MW-24R

County Bergen Municipality Carlstadt Boro Lot No. 7 Block No. 122

Address PATERSON PLANK RD & GOTHAM PKWY HACKENSACK STEEL

WELL USE Monitoring

DATE WELL STARTED 5/3/07

DATE WELL COMPLETED 5/22/07

WELL CONSTRUCTION

Total Depth Drilled 108 ft.

Finished Well Depth 69 ft.

Borehole Diameter:

Top 14 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Steel protective casing installed? ☐ Yes ☐ No

Static Water Level after drilling ____ ft.

Water Level was Measured Using ____

Well was developed for 3 hours

at 2 gpm

Method of development Pumping

Pump Capacity ____ gpm

Pump Type ____

Drilling Fluid ____ Type of Rig CME-85

Health and Safety Plan Submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	59	2	STAINLESS STEEL	.304
Middle Casing (for triple cased wells only)	0	58	6	STEEL	.250
Outer Casing (largest diameter)	0	15	10	STEEL	.250
Open Hole or ~~Screen~~ (No. Used .010)	59	69	2	STAINLESS STEEL	.316
Blank Casings (No. Used)					
~~Tail Piece~~	69	108	6	GROUT	SCH 40
Gravel Pack	56	69	6	MORIE SAND	#1
Grout	0/0/0/69	15/58/66/108	14/10/6/6	Neat Cement Bentonite	4230 lbs 45 lbs

Grouting Method TROMIE GROUT

Drilling Method HSA / ROTARY

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5' FILL
5'-10' PEAT
10'-38' CLAY
38'-48' TILL
48'-108' SILTSTONE

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AMERIDRILL INC

Well Driller (Print) STEPHEN BARROS

Driller's Signature [signature]

Registration No. D00239951 Date 7/1/07

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: ____ EASTING: ____

OR

LATITUDE: ° ' " LONGITUDE: ° ' "

ORIGINAL: DEP *COPIES: DRILLER* *OWNER* *HEALTH DEPARTMENT*

R2-0000798

DWR-133M
6/04

NJ 1064

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MONITORING WELL PERMIT

Permit No. 26000 02602

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

COORD #: 26 • 13 • 229

Owner [illegible]

Address [illegible]

Driller [illegible]

Address [illegible]

Name of Facility [illegible]

Address [illegible]

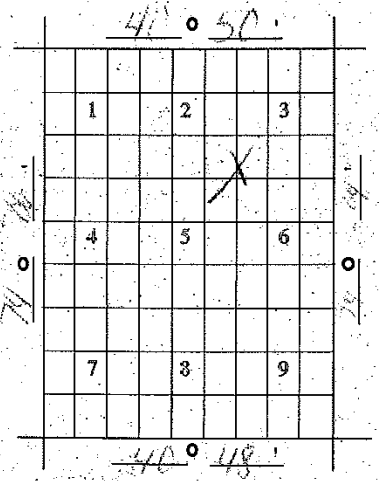
Diameter of Well(s) 2 Inches	Proposed Depth of Well(s) 100 Feet
# of Wells Applied for (max. 10) 1	Will pumping equipment be utilized? YES ☐ NO ☑
Type of Well (see reverse) [illegible]	If Yes, give pump capacity cumulative GPM

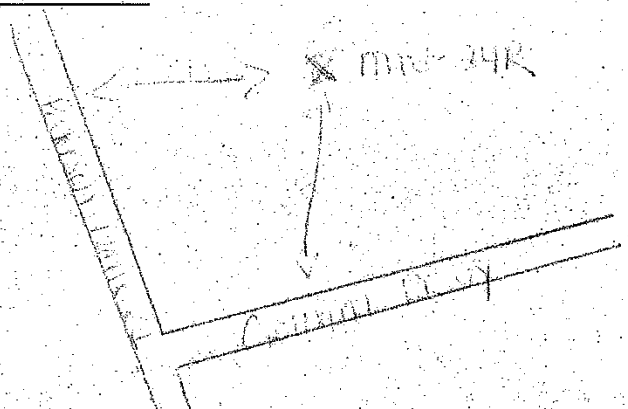
LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
[illegible]	[illegible]	[illegible]	[illegible]

State Atlas Map No. 26

Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.





N ↑

PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____

OR

LATITUDE: __° __' __ __" LONGITUDE: __° __' __ __"

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☑ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) [illegible]
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site

CASE I.D. Number _____

This Space for Official Use

WELL PERMIT APPROVED
N.J. D.E.P.
MAR 7 2007
BUREAU OF WATER SYSTEMS & WELL PERMITTING

FOR D.E.P. USE
☐ Issuance of this permit is subject to the conditions attached. (see next page)
☐ [illegible]
☑ For monitoring purposes only

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date [illegible] Signature of Driller [illegible] Registration No. [illegible]

Signature of Property Owner [illegible]

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

R2-0000799

1067

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number
2600082600

MONITORING WELL RECORD

Atlas Sheet Coordinates
2613229

OWNER IDENTIFICATION 216 PATERSON PLANK RD COOPERATING PRP GR

Address 200 CENTURY PKWY / SUITE C

City Mount Laurel State New Jersey Zip Code 08054

WELL LOCATION - If not the same as owner please give address Owner's Well No. MW-25D

County Bergen Municipality Carlstadt Boro Lot No. 10 Block No. 123.01

Address 700 DELL ROAD YELLOW TRANSPORTATION

WELL USE Monitoring

DATE WELL STARTED 3/26/07

DATE WELL COMPLETED 3/29/07

WELL CONSTRUCTION

Total Depth Drilled 38 ft.

Finished Well Depth 38 ft.

Borehole Diameter:

Top 12 in.

Bottom 8 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Steel protective casing installed? ☐ Yes ☐ No

Static Water Level after drilling ____ ft.

Water Level was Measured Using ____

Well was developed for 1 hours at 2 gpm

Method of development pumping

Pump Capacity ____ gpm

Pump Type ____

Drilling Fluid ____ Type of Rig CME 85

Health and Safety Plan Submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None D C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	30.5	4	STAINLESS STEEL	.304
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)	0	16	8	STEEL	.250
Open Hole or Screen (No. Used .010)	38	30.5	4	STAINLESS STEEL	.316
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	29	38	8	MORIE SAND	# 1
Grout	0/0	16/29	12/8	Neat Cement Bentonite	1222 lbs 15 lbs

Grouting Method ~~[illegible]~~ P. TROMIE GROUT

Drilling Method HSA / AUGER

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5' FILL
5'-15' TILL / SILT
15-30' CLAY
30'-38' TILL
38' SILTSTONE

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AMERIDRILL INC

Well Driller (Print) STEPHEN BARTOS

Driller's Signature [signature]

Registration No. 5D0023951 Date 7/1/07

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: ____ EASTING: ____

OR

LATITUDE: ° ' " LONGITUDE: ° ' "

ORIGINAL: DEP *COPIES: DRILLER* *OWNER* *HEALTH DEPARTMENT*

R2-0000800

DWR-133M
6/04

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MONITORING WELL PERMIT

Permit No. 2600082600

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

COORD #: 26 • 13 • 229

Owner [illegible] Driller [illegible]
Address [illegible] Address [illegible]

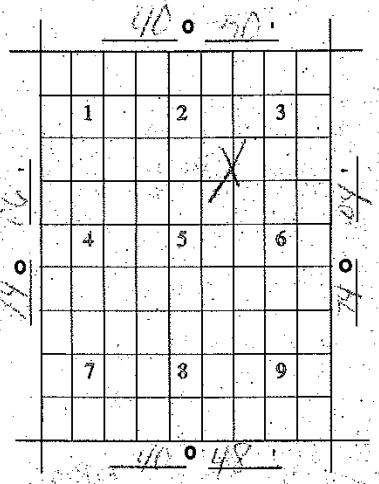
Name of Facility [illegible]
Address [illegible]

Diameter of Well(s) [illegible] Inches	Proposed Depth of Well(s) [illegible] Feet
# of Wells Applied for (max. 10) [illegible]	Will pumping equipment be utilized? YES ☐ NO ☒
Type of Well (see reverse) [illegible]	If Yes, give pump capacity cumulative GPM

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
10	[illegible]	[illegible]	[illegible]

State Atlas Map No. 26



Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

N ↑

PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____
OR
LATITUDE: __ o __ ' __ __ " LONGITUDE: __ o __ ' __ __ "

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☒ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) _____
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site

CASE I.D. Number _____

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.
MAR 7 2007
BUREAU OF WATER SYSTEMS & WELL PERMITTING

FOR D.E.P. USE ☐ Issuance of this permit is subject to the conditions attached. (see next page) ☒ For monitoring purposes only
☐ _____

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 3/1/07 Signature of Driller [illegible] Registration No. [illegible]
Signature of Property Owner [illegible]

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

R2-0000801

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number 2600082599

MONITORING WELL RECORD

Atlas Sheet Coordinates 2613229

OWNER IDENTIFICATION 216 PATERSON PLANK RD COOPERATING PRP GR

Address 200 CENTURY PKWY / SUITE C

City Mount Laurel State New Jersey Zip Code 08054

WELL LOCATION - If not the same as owner please give address Owner's Well No. MW-25R

County Bergen Municipality Carlstadt Boro Lot No. 10 Block No. 123.01

Address 700 DELL ROAD YELLOW TRANSPORTATION

WELL USE Monitoring

DATE WELL STARTED 3/20/07

DATE WELL COMPLETED 3/29/07

WELL CONSTRUCTION

Total Depth Drilled 70' ft.

Finished Well Depth 70' ft.

Borehole Diameter:

Top 12" in.

Bottom 4" in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Steel protective casing installed? ☐ Yes ☐ No

Static Water Level after drilling ____ ft.

Water Level was Measured Using ____

Well was developed for 1 hours

at 2 gpm

Method of development pumping

Pump Capacity ____ gpm

Pump Type ____

Drilling Fluid ____ Type of Rig CME-85

Health and Safety Plan Submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None D C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	60	4	STEEL	.250
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)	0	16	8	STEEL	.250
Open Hole or Screen (No. Used)	60	70	4		
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack					
Grout	0/0	16/60	12/8	Neat Cement Bentonite	105 lbs 20 lbs

Grouting Method Tremie Grout

Drilling Method HSA / Rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5' Fill

5'-15' Till/silt

15'-30' clay

30'-50' Till

50'-70' Siltstone

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AMERIDRILL INC

Well Driller (Print) STEPHEN BARTOS

Driller's Signature [signature]

Registration No. JD0023951 Date 7/1/07

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: ____ EASTING: ____

OR

LATITUDE: ° ' " LONGITUDE: ° ' "

ORIGINAL: DEP ***COPIES: DRILLER*** ***OWNER*** ***HEALTH DEPARTMENT***

DWR-133M
6/04

NJ 1044

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MONITORING WELL PERMIT

2600002549

Permit No. _____

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

COORD #: 26 • 13 • 329

Owner [illegible]

Address [illegible]

Driller [illegible]

Address [illegible]

Name of Facility [illegible]

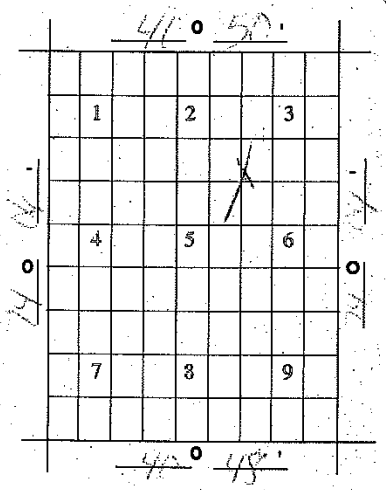
Address [illegible]

Diameter of Well(s) 2.5 Inches	Proposed Depth of Well(s) 140 Feet
# of Wells Applied for (max. 10) 1	Will pumping equipment be utilized? YES ☐ NO ☒
Type of Well (see reverse)	If Yes, give pump capacity cumulative GPM

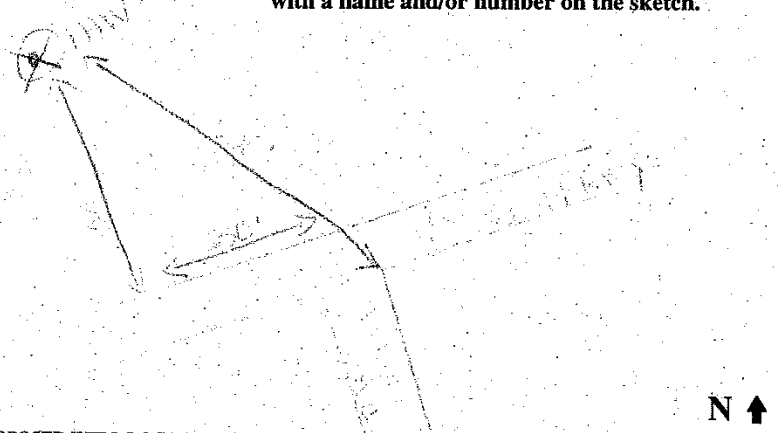
LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
[illegible]	[illegible]	[illegible]	[illegible]

State Atlas Map No. 26



Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



N ↑

PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____

OR

LATITUDE: __ ° __ ' __ " LONGITUDE: __ ° __ ' __ "

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☒ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) _____
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site

CASE I.D. Number _____

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.
MAR 7 2007
BUREAU OF WATER SYSTEMS & WELL PERMITTING

FOR D.E.P. USE
☐ Issuance of this permit is subject to the conditions attached. (see next page)
☒ For monitoring purposes only
☐ _____

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 3/1/07 Signature of Driller _____ Registration No. [illegible]

Signature of Property Owner _____

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

R2-0000803

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number 2600082596

MONITORING WELL RECORD

Atlas Sheet Coordinates 2613229

OWNER IDENTIFICATION 216 PATERSON PLANK RD COOPERATING PRP GR

Address 200 CENTURY PKWY / SUITE C

City Mount Laurel State New Jersey Zip Code 08054

WELL LOCATION - If not the same as owner please give address Owner's Well No. MW - 26 D

County Bergen Municipality Carlstadt Boro Lot No. ROW Block No. ROW

Address ROW GOTHAM PKWY CARLSTADT BOROUGH

WELL USE Monitoring DATE WELL STARTED 6/12/07

DATE WELL COMPLETED 6/14/07

WELL CONSTRUCTION

Total Depth Drilled 42 ft.

Finished Well Depth 42 ft.

Borehole Diameter:

Top 12 in.

Bottom 8 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Steel protective casing installed? ☐ Yes ☐ No

Static Water Level after drilling ____ ft.

Water Level was Measured Using ____

Well was developed for 2 hours

at 2 gpm

Method of development Pumping

Pump Capacity ____ gpm

Pump Type ____

Drilling Fluid ____ Type of Rig CME 85

Health and Safety Plan Submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	32	4	STAINLESS STEEL	.304
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)	0	19	8	STEEL	.250
Open Hole or Screen (No. Used .010)	32	42	4	STAINLESS STEEL	.316
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	30	42	8	MORIE SAND	#1
Grout	0 / 0	19 / 30	12 / 8	Neat Cement / Bentonite	1054 lbs / 20 lbs

Grouting Method PETROMIX GROUT

Drilling Method HSA / ROTARY

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-4' FILL
4'-10' PEAT
10'-34' CLAY
34'-42' TILL

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AMERIDRILL INC

Well Driller (Print) STEPHEN BARTOS

Driller's Signature [signature]

Registration No. 5D00239951 Date 7/1/07

AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: ____ EASTING: ____

OR

LATITUDE: ° ' " LONGITUDE: ° ' "

ORIGINAL: DEP COPIES: DRILLER OWNER HEALTH DEPARTMENT

R2-0000804

DWR-143M
6/04

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MONITORING WELL PERMIT

Permit No. 26000062591

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

COORD #: 26 • 13 • 229

Owner [illegible] Driller [illegible]

Address [illegible] Address [illegible]

Name of Facility [illegible]

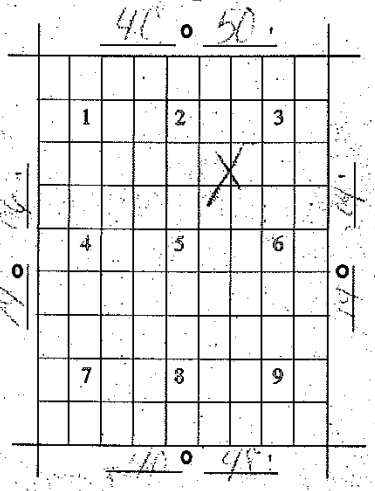
Address [illegible]

Diameter of Well(s) Inches	Proposed Depth of Well(s) Feet
# of Wells Applied for (max. 10) 1	Will pumping equipment be utilized? YES ☐ NO ☐
Type of Well (see reverse)	If Yes, give pump capacity. cumulative GPM

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
NA	[illegible]	[illegible]	[illegible]

State Atlas Map No. 26



Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

N ↑

PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____

OR

LATITUDE: ___ ° ___ ' ___ " LONGITUDE: ___ ° ___ ' ___ "

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☒ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) _____
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site

CASE I.D. Number _____

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.
MAR 7 2007
BUREAU OF WATER SYSTEMS & WELL PERMITTING

FOR D.E.P. USE
☐ Issuance of this permit is subject to the conditions attached. (see next page)
☐ _____
☒ For monitoring purposes only

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 3/1/07 Signature of Driller [illegible] Registration No. [illegible]

Signature of Property Owner [illegible]

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

R2-0000805

New Jersey Department of Environmental Protection
Bureau of Water Allocation

Well Permit Number 2600082598

MONITORING WELL RECORD

Atlas Sheet Coordinates 2613229

OWNER IDENTIFICATION 216 PATERSON PLANK RD COOPERATING PRP GR

Address 200 CENTURY PKWY / SUITE C

City Mount Laurel State New Jersey Zip Code 08054

WELL LOCATION - If not the same as owner please give address Owner's Well No. MW-77R

County Bergen Municipality Carlstadt Boro Lot No. 10 Block No. 123.01

Address 700 DELL ROAD YELLOW TRANSPORTATION

WELL USE Monitoring

DATE WELL STARTED 3/30/07

DATE WELL COMPLETED 5/2/07

WELL CONSTRUCTION

Total Depth Drilled 125 ft.

Finished Well Depth 88 ft.

Borehole Diameter:

Top 14 in.

Bottom 6 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Steel protective casing installed? ☐ Yes ☐ No

Static Water Level after drilling ____ ft.

Water Level was Measured Using ____

Well was developed for 6 hours at 2 gpm

Method of development Pumping

Pump Capacity ____ gpm

Pump Type ____

Drilling Fluid ____ Type of Rig CME85

Health and Safety Plan Submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
2 Single/Inner Casing	0	78	2	STAINLESS STEEL	.304
6 Middle Casing (for triple cased wells only)	0	74	6	STEEL	.250
10 Outer Casing (largest diameter)	0	16.5	10	STEEL	.250
Open Hole or Screen (No. Used .010)	78	88	2	STAINLESS STEEL	.316
Blank Casings (No. Used)					
~~Tail Piece~~	91	125	6	GROUT	55 GAL
Gravel Pack	71	88	6	MORIE SAND	#1
Grout	0/0/0 / 91	16.5 / 74 / 71 / 125	14/10/6 / 6	Neat Cement / Bentonite	4230 lbs / 45 lbs

Grouting Method P. TREMIE GROUT

Drilling Method HSA / ROTARY

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5' FILL
5'-10' PEAT
10'-40' CLAY
40'-64' TILL
64'-125' - SALTSTONE

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AMERIDRILL INC

Well Driller (Print) STEPHEN BARTOS

Driller's Signature [signature]

Registration No. SD0027951 Date 7/1/07

AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: ____ EASTING: ____

OR

LATITUDE: ° ' " LONGITUDE: ° ' "

ORIGINAL: DEP *COPIES: DRILLER* *OWNER* *HEALTH DEPARTMENT*

R2-0000806

DWR-133M
6/04

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MONITORING WELL PERMIT

Permit No. [illegible]

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 26 • 13 • 229

Owner [illegible]

Address [illegible]

Driller [illegible]

Address [illegible]

Name of Facility [illegible]

Address [illegible]

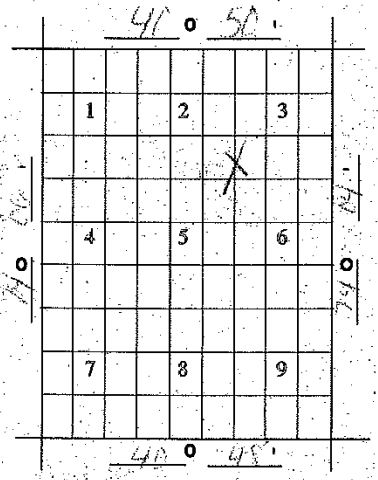
Diameter of Well(s)	8 Inches	Proposed Depth of Well(s)	1 Feet
# of Wells Applied for (max. 10)	1	Will pumping equipment be utilized?	YES ☐ NO ☑
Type of Well (see reverse)		If Yes, give pump capacity	cumulative GPM

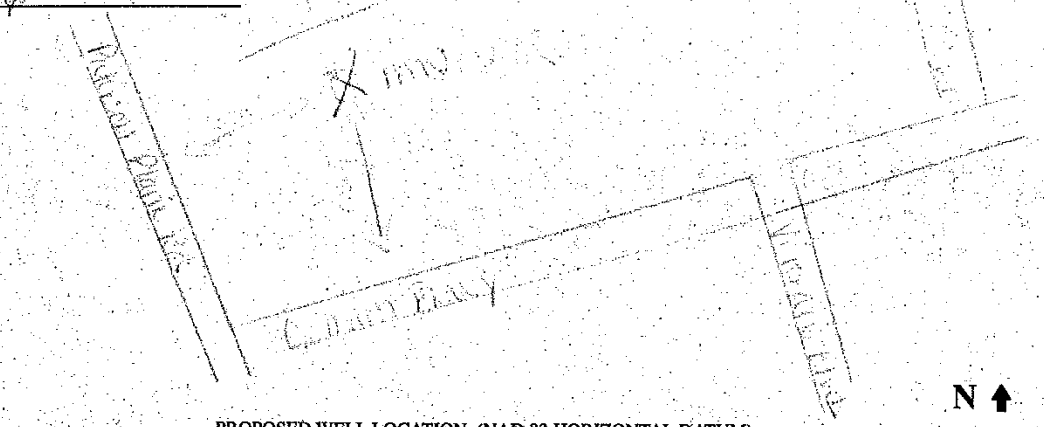
LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
10			

State Atlas Map No. 24

Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.





PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____

OR

LATITUDE: __° __' __ __" LONGITUDE: __° __' __ __"

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☑ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) _____
- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site

CASE I.D. Number _____

This Space for Approval Only

WELL PERMIT APPROVED
N.J. D.E.P.
MAR 7 2007
BUREAU OF WATER SYSTEMS & WELL PERMITTING

FOR D.E.P. USE
☐ Issuance of this permit is subject to the conditions attached. (see next page)
☐ _____
☑ For monitoring purposes only

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 3/1/07 Signature of Driller [illegible] Registration No. [illegible]

Signature of Property Owner [illegible]

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

R2-0000807

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit Number
2600082597

Atlas Sheet Coordinates
2613229

OWNER IDENTIFICATION 216 PATERSON PLANK RD COOPERATING PRP GR

Address 200 CENTURY PKWY / SUITE C

City Mount Laurel State New Jersey Zip Code 08054

WELL LOCATION - If not the same as owner please give address Owner's Well No. MW 28B

County Bergen Municipality Carlstadt Boro Lot No. 6 Block No. 124

Address 25 PATERSON PLANK ROAD ABF FREIGHT SYSTEMS

WELL USE Monitoring

DATE WELL STARTED 4/18/07

DATE WELL COMPLETED 4/27/07

WELL CONSTRUCTION

Total Depth Drilled 76 ft.

Finished Well Depth 76 ft.

Borehole Diameter:

Top 12 in.

Bottom 4 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Steel protective casing installed? ☐ Yes ☒ No

Static Water Level after drilling 4 ft.

Water Level was Measured Using TAPE

Well was developed for 2 hours

at 2 gpm

Method of development PUMPING

Pump Capacity ____ gpm

Pump Type ____

Drilling Fluid ____ Type of Rig CME85

Health and Safety Plan Submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	66	4	STEEL	1250
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)	0	17	8	STEEL	250
Open Hole or Screen (No. Used)	66	76	4		
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack					
Grout	0/0	17/66	12/8	Neat Cement / Bentonite	1054 lbs / 20 lbs

Grouting Method P. TROMIE GROUT

Drilling Method HSA / ROTARY

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-1' ASPHALT
1'-4' FILL
4'-9' PEAT
9'-45' CLAY
45'-52' TILL
52'-76' SILTSTONE

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company AMERIDRILL INC

Well Driller (Print) STEPHEN BARROS

Driller's Signature [signature]

Registration No. J10023951 Date 7/1/07

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: ____ EASTING: ____

OR

LATITUDE: ° ' " LONGITUDE: ° ' "

ORIGINAL: DEP COPIES: DRILLER OWNER HEALTH DEPARTMENT

R2-0000808

DWR-133M
6/04

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MONITORING WELL PERMIT

Permit No. 26000205 17

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 26 • 13 • 229

Owner [illegible] Driller [illegible]

Address [illegible] Address [illegible]

Name of Facility [illegible]

Address [illegible]

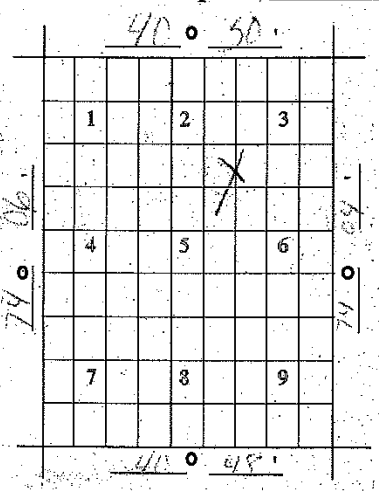
Diameter of Well(s)	2.5 Inches	Proposed Depth of Well(s)	75 Feet
# of Wells Applied for (max. 10)	1	Will pumping equipment be utilized?	YES ☐ NO ☑
Type of Well (see reverse)	[illegible]	If Yes, give pump capacity	cumulative GPM

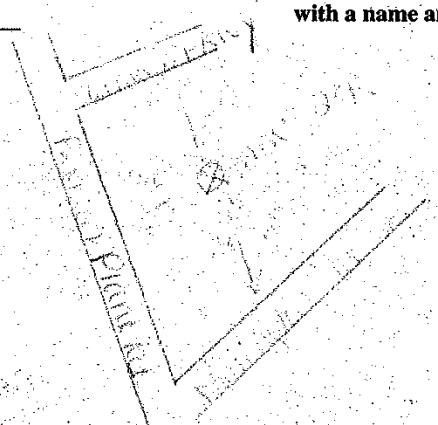
LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
6	104	[illegible]	[illegible]

State Atlas Map No. 26

Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.





N ↑

PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____

OR

LATITUDE: __° __' __" LONGITUDE: __° __' __"

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ RCRA Site
- ☑ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) [illegible]
- ☐ Spill Site
- ☐ ISRA Site
- ☑ CERCLA (Superfund) Site

CASE I.D. Number _____

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.
MAR 7 2007
BUREAU OF WATER SYSTEMS & WELL PERMITTING

FOR D.E.P. USE
☐ Issuance of this permit is subject to the conditions attached. (see next page)
☐ _____
☑ For monitoring purposes only

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 2/1/07 Signature of Driller [illegible] Registration No. [illegible]

Signature of Property Owner [illegible]

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

R2-0000809

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Owner: 216 Paterson Plank Road Cooperating PRP Group
Name of Facility: 216 Paterson Plank Road Site
Location: 216 Paterson Plank Road, Carlstadt Boro, Bergen County, NJ
Case Number(s): EPA # NJD070565403

LAND SURVEYOR'S CERTIFICATION Project#: 3074

Well Permit Number
(this number must be permanently affixed to- the well casing.) 2600082601

Owner Well Number (As shown on application or plans): MW-24D

Geographic Coordinates NAD 83 (to nearest 1/10 of a second):

Longitude: West 74 ° 4 ` 24.139 " Latitude: North 40 ° 49 ` 28.060 "

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 725534 East 610189

Elevation of Top of Inner Casing (cap off) at
Reference mark Nearest 0.01'): NGVD 29 4.54

Sources of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)
Form B for MW-19D Elevation 5.80'

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

August 6, 2007
DATE

James M. Stewart - License # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, Pa., 19115, 215-969-1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Owner: 216 Paterson Plank Road Cooperating PRP Group
Name of Facility: 216 Paterson Plank Road Site
Location: 216 Paterson Plank Road, Carlstadt Boro, Bergen County, NJ
Case Number(s): EPA # NJD070565403

LAND SURVEYOR'S CERTIFICATION Project#: 3074

Well Permit Number
(this number must be permanently affixed to- the well casing.) 2600082602

Owner Well Number (As shown on application or plans): MW-24R

Geographic Coordinates NAD 83 (to nearest 1/10 of a second):

Longitude: West 74 ° 4 ` 24.192 " Latitude: North 40 ° 49 ` 28.021 "

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 725530 East 610185

Elevation of Top of Inner Casing (cap off) at
Reference mark Nearest 0.01'): NGVD 29 4.53

Sources of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)
Form B for MW-19D Elevation 5.80'

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

August 6, 2007
DATE

James M. Stewart - License # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, Pa., 19115, 215-969-1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Owner: 216 Paterson Plank Road Cooperating PRP Group
Name of Facility: 216 Paterson Plank Road Site
Location: 216 Paterson Plank Road, Carlstadt Boro, Bergen County, NJ
Case Number(s): EPA # NJD070565403

LAND SURVEYOR'S CERTIFICATION Project#: 3074

Well Permit Number
(this number must be permanently affixed to- the well casing.) 2600082600

Owner Well Number (As shown on application or plans): MW-25D

Geographic Coordinates NAD 83 (to nearest 1/10 of a second):

Longitude: West 74 ° 4 ` 17.600 " Latitude: North 40 ° 49 ` 38.336 "

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 726576 East 610686

Elevation of Top of Inner Casing (cap off) at
Reference mark Nearest 0.01'): NGVD 29 6.59

Sources of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)
Form B for MW-19D Elevation 5.80'

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

August 6, 2007
DATE

James M. Stewart - License # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, Pa., 19115, 215-969-1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Owner: 216 Paterson Plank Road Cooperating PRP Group
Name of Facility: 216 Paterson Plank Road Site
Location: 216 Paterson Plank Road, Carlstadt Boro, Bergen County, NJ
Case Number(s): EPA # NJD070565403

LAND SURVEYOR'S CERTIFICATION Project#: 3074

Well Permit Number
(this number must be permanently affixed to- the well casing.) 2600082599

Owner Well Number (As shown on application or plans): MW-25R

Geographic Coordinates NAD 83 (to nearest 1/10 of a second):

Longitude: West 74 ° 4 ` 17.620 " Latitude: North 40 ° 49 ` 38.289 "

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 726571 East 610685

Elevation of Top of Inner Casing (cap off) at
Reference mark Nearest 0.01'): NGVD 29 6.54

Sources of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)
Form B for MW-19D Elevation 5.80'

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

August 6, 2007
DATE

James M. Stewart - License # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, Pa., 19115, 215-969-1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Owner: 216 Paterson Plank Road Cooperating PRP Group
Name of Facility: 216 Paterson Plank Road Site
Location: 216 Paterson Plank Road, Carlstadt Boro, Bergen County, NJ
Case Number(s): EPA # NJD070565403

LAND SURVEYOR'S CERTIFICATION Project#: 3074

Well Permit Number
(this number must be permanently affixed to- the well casing.) 2600082596

Owner Well Number (As shown on application or plans): MW-26D

Geographic Coordinates NAD 83 (to nearest 1/10 of a second):

Longitude: West 74 ° 4 ` 11.849 " Latitude: North 40 ° 49 ` 36.315 "

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 726374 East 611130

Elevation of Top of Inner Casing (cap off) at
Reference mark Nearest 0.01'): NGVD 29 5.05

Sources of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)
Form B for MW-19D Elevation 5.80'

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

August 6, 2007
DATE

James M. Stewart - License # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, Pa., 19115, 215-969-1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Owner: 216 Paterson Plank Road Cooperating PRP Group
Name of Facility: 216 Paterson Plank Road Site
Location: 216 Paterson Plank Road, Carlstadt Boro, Bergen County, NJ
Case Number(s): EPA # NJD070565403

LAND SURVEYOR'S CERTIFICATION Project#: 3074

Well Permit Number
(this number must be permanently affixed to- the well casing.) 2600082598

Owner Well Number (As shown on application or plans): MW-27R

Geographic Coordinates NAD 83 (to nearest 1/10 of a second):

Longitude: West 74 ° 4 ` 24.370 " Latitude: North 40 ° 49 ` 34.330 "

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 726168 East 610168

Elevation of Top of Inner Casing (cap off) at
Reference mark Nearest 0.01'): NGVD 29 5.92

Sources of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)
Form B for MW-19D Elevation 5.80'

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

August 6, 2007
DATE

James M. Stewart - License # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, Pa., 19115, 215-969-1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Owner: 216 Paterson Plank Road Cooperating PRP Group
Name of Facility: 216 Paterson Plank Road Site
Location: 216 Paterson Plank Road, Carlstadt Boro, Bergen County, NJ
Case Number(s): EPA # NJD070565403

LAND SURVEYOR'S CERTIFICATION Project#: 3074

Well Permit Number
(this number must be permanently affixed to- the well casing.) 2600082597

Owner Well Number (As shown on application or plans): MW-28R

Geographic Coordinates NAD 83 (to nearest 1/10 of a second):

Longitude: West 74 ° 4 ` 13.206 " Latitude: North 40 ° 49 ` 22.874 "

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 725013 East 611032

Elevation of Top of Inner Casing (cap off) at
Reference mark Nearest 0.01'): NGVD 29 5.92

Sources of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)
Form B for MW-19D Elevation 5.80'

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

August 6, 2007
DATE

James M. Stewart - License # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, Pa., 19115, 215-969-1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

APPENDIX B

REVISED QUALITY ASSURANCE PROJECT PLAN (QAPP)

Appendix B

Revised Quality Assurance Project Plan

The following information was provided to the USEPA on June 16 and 19, 2007 (via electronic mail).

Groundwater Sampling Procedure

In accordance with the approved work outlined in the January 9, 2007 letter, all groundwater monitoring wells will be sampled using currently approved low-flow procedures consistent with prior practice. Specifically, the groundwater sampling procedure will include the following:

In accordance with NJDEP procedures, wells will not be sampled until at least two weeks after development. Well purging and sampling will utilize the low flow purge and sampling technique. Water will be purged from each well prior to sampling using a stainless steel Grundfos Redi-Flo 2 submersible pump. Prior to purging and sampling each well, the submersible pump will be decontaminated in accordance with Attachment 1.

Dedicated Teflon lined polyethylene tubing will be installed in each of the newly installed groundwater monitoring wells (MW-24D, MW-24R, MW-25D, MW-25R, MW-26D, MW-27R, and MW-28R). All existing wells have dedicated Teflon lined tubing. The pump will be carefully lowered down each well to the approximate mid-point of the screened interval; care will be taken to keep the submersible pump from resting on the bottom of the well to minimize the disturbance of any sediment. The discharge tubing will be connected to a flow-through cell into which the portable water quality meter probes are placed for monitoring indicator parameters.

The submersible pump will be used to purge and sample groundwater from the well at very low flow rates (approximately 100-500 ml/min. depending on the well yield). Temperature, pH, eH, specific conductance, turbidity, and dissolved oxygen will be monitored as indicator parameters. In addition, groundwater levels will be monitored. Once the indicator parameters have stabilized (water level drawdown <0.3 feet; pH ± 0.1; Specific Conductance and temperature to within ±3%; dissolved oxygen and turbidity to within ±10%; and ORP/Eh ±10 millivolts) for three consecutive readings and a minimum of one volume of the tubing has been removed, the well will be considered adequately purged and ready to be sampled. The Teflon lined tubing will then be disconnected from the flow-through cell and the samples will be collected directly from the dedicated tubing using the submersible pump.

Analytical Data Validation Procedure

Data validation will be performed in accordance with the following documents:

- USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999. EPA-540/R-99-008 (PB99-963506);
- USEPA Contract Laboratory Program National Functional Guidelines for Low Concentration Organic Data Review, EPA-540-R-00-006 June 2001;

- Region II Standard Operating Procedure (SOP) No. HW-6, Revision 12 - CLP Organics Data Review and Preliminary Review, March 2001;

- Region II Standard Operating Procedure (SOP) No. HW-13, Revision 3- Organic Data Review for Low Concentration Water, July 2001;

- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004**.** OSWER 9240.1-45, EPA 540-R-04-004;

- Region II SOP - No. HW-2, Revision 13 - Evaluation of Inorganic Data for the Contract Laboratory Program, September 2005.

The referenced USEPA and Region II documents providing guidance for inorganic review were written for CLP Statement of Work (SOW) analyses. The inorganic analyses planned as part of the Natural Attenuation Parameter monitoring will be following analytical methods from Methods for Chemical Analysis of Water and Wastes (MCAWW), USEPA SW-846 and other recognized consensus bodies. Therefore the QC criteria established in the USEPA National Functional Guidelines may not be applicable to the analytical methodologies used for analysis. Where the USEPA National Functional Guidelines and method specific criteria differ, professional judgment was used to determine specific qualifications.

The following Quality Assurance Project Plan tables (refer to Attachment 2) were revised for the off-property groundwater investigation conducted in 2007:

Table 1 -	Key Personnel
Table 2 -	Summary of Off-Property Investigation Sampling
Table 3-	Levels of Quality Assurance and Analytical Data Methodologies
Table 4 -	Off-Property Investigation - Target Analytes, Analytical Methods, and Quality Assurance Samples for Aqueous Samples
Table 5 -	PARCC Data for Aqueous Samples
Table 6 -	Laboratory Accuracy and Precision Criteria for Aqueous CLP Samples
Table 7 -	Target Compound List and Reporting Limits for Aqueous Samples
Table 8 -	Analytical Methods, Sample Containers, Preservation and Analytical Hold Times for Aqueous Samples

ATTACHMENT 1

2007 OFF-PROPERTY GROUNDWATER INVESTIGATION
DECONTAMINATION PROCEDURE FOR GRUNDFOS REDIFLO2 PUMP

Attachment 1
216 Paterson Plank Road Site
Off-Property Groundwater Investigation
De-con Procedure for Grundfos RediFlo2 Pump

Supplies: Scrub brush, potable water, distilled water, Alconox and potable water solution (soapy water), pesticide grade isopropyl alcohol, two 2-inch diameter de-con PVC tubes (tube A and B, each approximately two feet long with one end capped), Teflon lined tubing, and buckets decontamination material.

1. Use scrub brush with soapy water on cable spool.
2. Rinse pump and spool with potable water.
3. Place short piece of Teflon-line tubing (~3 feet) on pump and place pump into tube A. Place the tubing discharge back into tube A so that the pump will recirculate the water.
4. Fill the tube with potable water and a small amount of soapy water.
5. Activate pump for at least one minute; occasionally move the pump up and down within the tube.
6. While pumping, remove the discharge tubing and direct discharge to a waste bucket.
7. Turn-off pump after flow stops. Remove pump, dump out soapy water from tube A, then replace pump into tube A.
8. Turn-on potable water source so that it flows directly into tube A and the tubing discharge is into a waste bucket. Activate pump and equilibrate both pump speed and potable water flow. Occasionally move the pump up and down within the tube.
9. Flush with potable water for at least one minute and all soap appears to be rinsed.
10. Turn off water, running the pump until flow ceases, then stop pump. Remove pump and dump out water from tube A.
11. Replace pump in tube A and place tubing discharge back into the tube.
12. Fill tube A with pesticide grade isopropyl alcohol (approximately 1 liter) and then start pump.
13. Recirculate isopropyl for at least one minute; occasionally move the pump up and down within the tube.
14. While pumping, remove the discharge tubing and direct to a waste bucket.
15. Turn-off pump after flow stops. Remove pump and dump out isopropyl wash from tube A. Allow pump to air dry and make sure that most of the isopropyl has drained from both the tubing and tube A.
16. Rinse tube A with distilled water. Replace pump in tube A.
17. Fill tube A with distilled water and direct discharge tubing into waste bucket.
18. When flow ceases, stop pump. Remove pump and dump out water from tube A.
19. Place pump in tube B. Only a clean pump and distilled water are to be placed in tube B.
20. Fill tube B with distilled water and direct discharge tubing into waste bucket.
21. When flow ceases, stop pump. Remove pump and dump out water from tube B. Repeat this process until a minimum of one gallon of distilled water has been used, generally a series of three rinses.
22. Remove pump and disconnect discharge tubing. Place pump and cable spool into a clean bag.

ATTACHMENT 2

2007 OFF-PROPERTY GROUNDWATER INVESTIGATION
REVISED QUALITY ASSURANCE PROJECT PLAN TABLES

TABLE 1
216 PATERSON PLANK ROAD SITE
KEY PERSONNEL

EPA Remedial Project Manager:	Stephanie Vaughn USEPA Region II New Jersey Superfund Branch I 290 Broadway, 19th Floor New York, NY 10007-1866 Telephone: (212) 637-4372
Facility Coordinator 216 Paterson Plank Road Cooperating PRP Group	P. Stephen Finn Golder Associates Inc. 200 Century Parkway, Suite C Mt. Laurel, NJ 08054 Telephone: (856) 793-2005 Fax: (856) 793-2006
Golder Project Manager:	Robert J. Illes Golder Associates Inc. 200 Century Parkway, Suite C Mt. Laurel, NJ 08054 Telephone: (856) 793-2005 Fax: (856) 793-2006
Golder Quality Assurance Officer:	Peter Guy Golder Associates Inc. 200 Century Parkway, Suite C Mt. Laurel, NJ 08054 Telephone: (856) 793-2005 Fax: (856) 793-2006
Golder Laboratory Interface and Data Validator:	Oommen Kappil Golder Associates Inc. 200 Century Parkway, Suite C Mt. Laurel, NJ 08054 Telephone: (856) 793-2005 Fax: (856) 793-2006
Laboratory Project Manager: Alternate Laboratory Project Manager:	Cathy Dover Marlene Swift CompuChem Laboratories, Inc. 3306 Chapel Hill/Nelson Highway Research Triangle Park, NC 27709 Telephone: (800) 833-5097 Fax: (919) 406-1686
Laboratory Quality Assurance Director: Laboratory Quality Assurance Manager:	Robert E. Meierer Valgena Respass CompuChem Laboratories, Inc. 3306 Chapel Hill/Nelson Highway Research Triangle Park, NC 27709 Telephone: (800) 833-5097

TABLE 2
216 PATERSON PLANK ROAD SITE
SUMMARY OF OFF-PROPERTY INVESTIGATION SAMPLING

REMEDIAL INVESTIGATION				
SAMPLING POINTS	**FREQUENCY**	**PARAMETERS**	**SAMPLING**	**LEVELS (1)**
Monitoring Wells MW-5D MW-19R MW-7D MW-20D RMW-8D MW-20R MW-8R MW-21D RMW-11D MW-22D MW-11R MW-23R RMW-12D MW-24D RMW-13D MW-24R MW-13R MW-25D MW-14D MW-25R MW-14R MW-26D MW-16D MW-27R MW-17D MW-28R MW-18D MW-19D	Once during the Off-Property investigation	· TCL VOCs/SVOCs · Natural Attenuation Parameters · field parameters · depth to water	To obtain groundwater quality data and determine the potentiometric surface.	· DQO Level 4 for TCL · DQO Level 3 for NAPs · DQO Level 1 for field parameters

NOTES:
(1) Data Quality Objective (DQO) analytical levels are defined on Table C3 of the QAPjP.
TCL = Target Compound List
VOCs = Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds

TABLE 3
216 PATERSON PLANK ROAD SITE
LEVELS OF QUALITY ASSURANCE AND ANALYTICAL DATA METHODOLOGIES

Level	Description	Associated Off-Property Activity
I	Level I is the lowest quality data but provides the fastest results. Field screening or analysis provides Level I data. It can be used for health and safety monitoring and preliminary screening of samples to identify those requiring confirmation sampling (Level IV). The generated data can indicate the presence or absence of certain constituents and is generally qualititative rather than quantitative. It is the least costly of the analytical options.	- Health and safety monitoring - Field parameters - (pH, specific conductivity temperature)
II	Level II data are generated by field laboratory analysis using more sophisticated portable analytical instruments or a mobile laboratory onsite. This provides fast results and better-quality data than in Level I. The analyses can be used to direct a removal action in an area, re-evaluate sampling locations, or direct installation of a monitoring well network.	- Not Applicable
III	Level III data may be obtained by a commercial laboratory with or without CLP procedures. (The laboratory may or may not participate in the CLP.) The analyses do not usually use the validation or documentation procedures required of CLP Level IV analysis. The analyzed parameters are relevant to site characterization risk assessment, and design of the remedial action.	- Natural Attenuation Parameters
IV	Level IV data are used for risk assessment, engineering design, and cost-recovery documentation. All analyses are performed in a CLP analytical laboratory and follow CLP procedures. Level IV is characterized by rigorous QC protocols, documentation, and validation.	- Groundwater analysis of CLP TCL parameters.
V	Level V data are those obtained by nonstandard analytical procedures. Method development or modification may be required for specific constituents or detection limits.	- Not Applicable
OTHER	Other Methodologies not described above.	- Hydrogeological tests, i.e., Water level measurements

(1) EPA DQO Guidance Documents.

TABLE 4
216 PATERSON PLANK ROAD SITE
OFF-PROPERTY INVESTIGATION - TARGET ANALYTES, ANALYTICAL METHODS, AND QUALITY ASSURANCE SAMPLES FOR AQUEOUS SAMPLES

Parameters	Methodology	Number of Samples	Types of Samples
TCL Volatile Organics	CLP SOW OLC03.2	28 (note 1)	Primary
		2	Field Duplicates
		2	MS
		2	MSD
		2	Field or Rinsate Blanks
		5 daily (note 2)	Trip Blanks
TCL Semivolatile Organics	CLP SOW OLM04.3	28	Primary
		2	Field Duplicates
		2	MS
		2	MSD
		2	Field or Rinsate Blanks
Natural Attenuation Parameters	See Table C5	28	Primary
		2	Field Duplicates
Field Parameters	See Table C5	28	Primary

Notes:

1. 1,4-Dioxane will be sampled at the following wells: new wells MW-24D, MW-24R, MW-25D, MW-25R, MW-26D, MW-27R, and MW-28R; existing wells MW-5D, RMW-8D, RMW-12D, RMW-13D, MW-16D, MW-17D, MW-21D, MW-11R, MW-13R, and MW-23R.
2. The number of MS/MSD samples and trip blanks is dependent upon the sampling schedule which may be impacted by weather, field conditions and access restrictions.

TABLE 5
216 PATERSON PLANK ROAD SITE
PARCC DATA FOR AQUEOUS SAMPLES

MEASUREMENT PARAMETER	METHOD REFERENCE	LABORATORY PRECISION	FIELD & LABORATORY PRECISION	ACCURACY	COMPLETENESS (b)
TCL Volatile Organics	CLP SOW OLC03.2	see Table C6	+/- 50%	see Table C6	85%
1,4-Dioxane	CLP SOW OLC03.2	see Table C6	+/- 50%	see Table C6	85%
TCL Semivolatile Organics	CLP SOW OLM04.3	see Table C6	+/- 50%	see Table C6	85%
Alkalinity	EPA 310.2	+/- 20%	+/- 50%	90 - 110%	85%
Chloride	EPA 300.0	+/- 20%	+/- 50%	90 - 110%	85%
Nitrate/Nitrite	EPA 300.0	+/- 20%	+/- 50%	90 - 110%	85%
Total Phosphorus	EPA 365.2	+/- 20%	+/- 50%	90 - 110%	85%
Sulfate	EPA 300.0	+/- 20%	+/- 50%	90 - 110%	85%
Sulfide	EPA 376.1	+/- 20%	+/- 50%	90 - 110%	85%
Total Kjeldahl Nitrogen (TKN)	EPA 351.2	+/- 20%	+/- 50%	90 - 110%	85%
Total Organic Carbon	EPA 415.1	+/- 20%	+/- 50%	90 - 110%	85%
Ethane, Ethene, Methane	SW-846 8015M	+/- 25%	+/- 50%	+/- 50%	85%
Ferrous Iron	field measurement - HACH kit	NA	+/- 0.2 mg/L	NA (a)	85%
Dissolved Oxygen	field measurement - probe	NA	+/- 0.2 mg/L	NA (a)	85%
Oxidation Reduction Potential	field measurement - probe	NA	+/- 15 mV	NA (a)	85%
Specific Conductance	field measurement - probe	NA	+/- 3%	NA (a)	85%
Turbidity	field measurement - probe	NA	+/- 5%	NA (a)	85%
pH	field measurement - probe	NA	+/- 0.1 std pH units	NA (a)	85%
Temperature	field measurement - probe	NA	+/- 0.2 °C	NA (a)	85%

NOTES:

NA = Not applicable
CLP SOW = Contract Laboratory Program Statement of Work
TCL = Target Compound List as defined by CLP OLM03.2 for Volatile Organics and OLM04.3 for Semivolatile Organics.
EPA = Methods for Chemical Analysis of Waters and Wastes, EPA600/4-79-20, 1983
PARCC = Precision, Accuracy, Representativeness, Comparability, Completeness
Precision expressed as either percent relative standard deviation (%RSD) or relative percent difference (%RPD).
Accuracy expressed as percent recovery of matrix spike or laboratory control sample.
Precision and accuracy for CLP parameters provided in Table C6.
Representativeness and Comparability are non-quantitative parameters.
Accuracy and precision criteria for laboratory measurements will be consistent with the criteria cited in the individual methodologies for the additional drinking water parameters.

(a) Accuracy goals that can not be defined as matrix spikes will not be performed on field parameters. Field meters will be standardized/calibrated daily, with pH checks every 3 hours.
(b) While the goal for completeness of laboratory measurements is 85%, the goal for total completeness (sampling and analytical) is 80%.

TABLE 6
216 PATERSON PLANK ROAD SITE
LABORATORY ACCURACY AND PRECISION* CRITERIA
FOR AQUEOUS CLP SAMPLES

VOLATILE ORGANICS:	QC LIMITS		
Target Compound	**% Recovery**		**% RPD**
1,1-Dichloroethene	61%-145%		0%-14%
Trichloroethene	71%-120%		0%-14%
Benzene	76%-127%		0%-11%
Toluene	76%-125%		0%-13%
Chlorobenzene	75%-130%		0%-13%
Surrogate Compound			
Toluene-d8	88%-110%		Not Applicable
Bromofluorobenzene	86%-115%		Not Applicable
1,2-Dichloroethane-d4	76%-114%		Not Applicable

SEMIVOLATILE ORGANICS:	QC LIMITS		
Target Compound	**% Recovery**		**% RPD**
Phenol	12%-110%		0%-42%
2-Chlorophenol	27%-123%		0%-40%
1,4-Dichlorobenzene	36%-97%		0%-28%
N-Nitroso-di-n-propylamine	41%-116%		0%-38%
1,2,4-Trichlorobenzene	39%-98%		0%-28%
4-Chloro-3-methylphenol	23%-97%		0%-42%
Acenaphthene	46%-118%		0%-31%
4-Nitrophenol	10%-80%		0%-50%
2,4-Dinitrotoluene	24%-96%		0%-38%
Pentachlorophenol	9%-103%		0%-50%
Pyrene	26%-127%		0%-31%
Surrogate Compound			
Nitrobenzene-d5	35%-114%		Not Applicable
2-Fluorobiphenyl	43%-116%		Not Applicable
Terphenyl-d14	33%-141%		Not Applicable
Phenol-d5	10%-110%		Not Applicable
2-Fluorophenol	21%-110%		Not Applicable
2,4,6-Tribromophenol	10%-123%		Not Applicable
2-Chlorophenol-d4	33%-110%	advisory only	Not Applicable
1,2-Dichlorobenzene-d4	16%-110%	advisory only	Not Applicable

NOTES:

* - Accuracy and Precision Criteria based upon CLP SOW OLC03.2 and OLM04.3 as well as Region II data validation guidelines.

CLP = Contract Laboratory Program
%RPD = Relative Percent Difference
QC = Quality Control

TABLE 7
216 PATERSON PLANK ROAD SITE
TARGET COMPOUND LIST AND REPORTING LIMITS
FOR AQUEOUS SAMPLES

PARAMETER	CRQL (ug/L)
VOLATILE ORGANICS:	
1,1,1-Trichloroethane	0.5
1,1,2,2-Tetrachloroethane	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5
1,1,2-Trichloroethane	0.5
1,1-Dichloroethane	0.5
1,1-Dichloroethene	0.5
1,2,4-Trichlorobenzene	0.5
1,2-Dibromo-3-chloropropane	0.5
1,2-Dibromoethane	0.5
1,2-Dichlorobenzene	0.5
1,2-Dichloroethane	0.5
1,2-Dichloropropane	0.5
1,3-Dichlorobenzene	0.5
1,4-Dichlorobenzene	0.5
2-butanone	5
2-Hexanone	5
4-Methyl-2-pentanone	5
Acetone	5
Benzene	0.5
Bromodichloromethane	0.5
Bromoform	0.5
Bromomethane	0.5
Carbon Disulfide	0.5
Carbon tetrachloride	0.5
Chlorobenzene	0.5
Chloroethane	0.5
Chloroform	0.5
Chloromethane	0.5
cis-1,2-Dichloroethene	0.5
cis-1,3-Dichloropropene	0.5
Cyclohexane	0.5
Dibromochloromethane	0.5
Dichlorodifluoromethane	0.5
Ethylbenzene	0.5
Isopropylbenzene	0.5
Methyl Acetate	0.5
Methylcyclohexane	0.5
Methylene chloride	0.5
Methyl-tert-butyl ether	0.5
Styrene	0.5
Tetrachloroethene	0.5
Toluene	0.5
trans-1,2-Dichloroethene	0.5
trans-1,3-Dichloropropene	0.5

TABLE 7
216 PATERSON PLANK ROAD SITE
TARGET COMPOUND LIST AND REPORTING LIMITS
FOR AQUEOUS SAMPLES

PARAMETER	CRQL (ug/L)
Trichloroethene	0.5
Trichlorofluoromethane	0.5
Vinyl chloride	0.5
Xylene (total)	0.5
1,4-Dioxane	2
SEMIVOLATILE ORGANICS:	
2,2'-oxybis(1-Chloropropane) or bis(2-chloroethylether)	10
2,4,5-Trichlorophenol	25
2,4,6-Trichlorophenol	10
2,4-Dichlorophenol	10
2,4-Dimethylphenol	10
2,4-Dinitrophenol	25
2,4-Dinitrotoluene	10
2,6-Dinitrotoluene	10
2-Chloronaphthalene	10
2-Chlorophenol	10
2-Methylnaphthalene	10
2-Methylphenol	10
2-Nitroaniline	25
2-Nitrophenol	10
3,3'-Dichlorobenzidine	10
3-Nitroaniline	25
4,6-Dinitro-2-methylphenol	25
4-Bromophenyl-phenylether	10
4-Chloro-3-methylphenol	10
4-Chloroaniline	10
4-Chlorophenyl-phenylether	10
4-Methylphenol	10
4-Nitroaniline	25
4-Nitrophenol	25
Acenaphthene	10
Acenaphthylene	10
Anthracene	10
Benzo(a)anthracene	10
Benzo(a)pyrene	10
Benzo(b)fluoranthene	10
Benzo(g,h,i)perylene	10
Benzo(k)fluoranthene	10
Bis(2-chloroethoxy) methane	10
Bis(2-chloroethyl) ether	10
Bis(2-ethylhexyl) phthalate	10
Butylbenzyl phthalate	10
Carbazole	10
Chrysene	10

TABLE 7
216 PATERSON PLANK ROAD SITE
TARGET COMPOUND LIST AND REPORTING LIMITS
FOR AQUEOUS SAMPLES

PARAMETER	CRQL (ug/L)
Dibenzo(a,h)anthracene	10
Dibenzofuran	10
Diethyl phthalate	10
Dimethyl phthalate	10
Di-n-butyl phthalate	10
Di-n-octyl phthalate	10
Fluoranthene	10
Fluorene	10
Hexachlorobenzene	10
Hexachlorobutadiene	10
Hexachlorocyclopentadiene	10
Hexachloroethane	10
Indeno(1,2,3-cd)pyrene	10
Isophorone	10
Naphthalene	10
Nitrobenzene	10
N-Nitroso-di-N-propylamine	10
N-Nitrosodiphenylamine	10
Pentachlorophenol	25
Phenanthrene	10
Phenol	10
Pyrene	10
NATURAL ATTENUATION PARAMETERS:	
Alkalinity	10
Chloride	2
Nitrate/Nitrite	0.05
Total Phosphorus	0.25
Sulfate	5
Sulfide	1
TKN	10
TOC	5
Methane	2
Ethane	2
Ethene	2

NOTES:
CRQL = Contract Required Quantiation Limit
The CRQL for volatile organics is based on the requirements of OLC03.2
The CRQL for semivolatile organics is based on the requirements of OLM04.3
Natural Attenuation Parameters do not have CRQL. The reporting limit is based on the method and on laboratory quality control criteria.

TABLE 8
216 PATERSON PLANK ROAD SITE
ANALYTICAL METHODS, SAMPLE CONTAINERS, PRESERVATION AND ANALYTICAL HOLD TIMES FOR AQUEOUS SAMPLES

PARAMETER	METHODOLOGY	CONTAINER	MINIMUM SAMPLE	PRESERVATION (a)	FIELD FILTERED	HOLD TIME (b)
TCL Volatile Organics	CLP SOW OLC03.2	3-40 ml G	3 - 40 ml	Cool 6 °C; HCl, pH<2	No	14 days (c)
1,4-Dioxane	CLP SOW OLC03.2SIM	3-40 ml G	3 - 40 ml	Cool 6 °C; HCl, pH<2	No	14 days (c)
TCL Semivolatile Organics	CLP SOW OLM04.3	1000 ml AG	1000 ml	Cool 6 °C	No	7 days (d)
Alkalinity	EPA 310.2	250 ml P	100 ml	Cool 6 °C	No	14 days
Chloride	EPA 300.0	250 ml P	100 ml	Cool 6 °C	No	28 days
Nitrate/Nitrite	EPA 300.0	250 ml P	100 ml	Cool 6 °C; H_2SO_4, pH<2	No	28 days
Total Phosphorus	EPA 365.2	250 ml P	100 ml	Cool 6 °C; H_2SO_4, pH<2	No	28 days
Sulfate	EPA 300.0	250 ml P	100 ml	Cool 6 °C	No	14 days
Sulfide	EPA 376.1	250 ml P	100 ml	Cool 6 °C; ZnOAc, NaOH, pH>9	No	14 days
Total Kjeldahl Nitrogen (TKN)	EPA 351.2	250 ml P	100 ml	Cool 6 °C; H_2SO_4, pH<2	No	28 days
Total Organic Carbon	EPA 415.1	3-40 ml G	3 - 40 ml	Cool 6 °C; H_2SO_4, pH<2	No	28 days
Ethane, Ethene, Methane	SW-846 8015M	3-40 ml G	3 - 40 ml	Cool 6 °C; HCl, pH<2	No	14 days (e)
Ferrous Iron	field measurement - HACH kit	NA	NA	None	No	15 minutes
Dissolved Oxygen	field measurement - probe	NA	NA	None	No	15 minutes
Oxidation Reduction Potential	field measurement - probe	NA	NA	None	No	15 minutes
Specific Conductance	field measurement - probe	NA	NA	None	No	15 minutes
Turbidity	field measurement - probe	NA	NA	None	No	15 minutes
pH	field measurement - probe	NA	NA	None	No	15 minutes
Temperature	field measurement - probe	NA	NA	None	No	15 minutes

NOTES:

(a) Sample Preservation is performed by sampler immediately upon sample collection.
(b) Hold time based upon day of sample collection not verified time of sample receipt.
(c) If preservation is not possible due to foaming, both preserved and unpreserved sample will be collected if possible. The hold time will be 7 days for unpreserved sample.
(d) 7 days for extraction, 40 days for analysis after commencement date of extraction.
(e) Hold time for Ethane, Ethene and Methane is advisory

CLP SOW = Contract Laboratory Program Statement of Work
TCL = Target Compound List
EPA = Methods for Chemical Analysis of Waters and Wastes
SM = Standard Methods for the analysis of Waters and Wastewaters
NA = Not Applicable
ml = milliliter

P = Polyethylene
G = Glass
AG= Amber Glass

HCl = Hydrochloric Acid
H_2SO_4 = Sulfuric Acid
ZnOAc = Zinc Acetate
NaOH = Sodium Hydroxide

APPENDIX C

SUMMARY OF LOW FLOW PURGING INFORMATION

Table C-1
SCP Carlstadt
Carlstadt, New Jersey
Groundwater Field Parameter Readings

Well ID	Date Sampled	PARAMETERS									
		Temperature	pH	Specific Conductance	Turbidity	Dissolved Oxygen	Redox Potential	Fe^{+2}	Depth to Water[1]	Well Depth	Casing Diameter
		[°C]	[S.U.]	[mS/cm]	[ntu]	[mg/L]	[mV]	[PPM]	[ft-bmp]	[ft-bmp]	[inches]
Till Wells											
MW-5D	7/5/07	19.2	7.53	1.67	0.0	0.00	-88	1.5	8.00	61.70	4
MW-7D	7/5/07	19.5	8.40	0.987	0.0	2.53	134	1.0	9.11	60.00	4
RMW-8D	6/28/07	20.3	9.94	0.349	9.4	0.10	-54	0.0	3.86	49.00	4
RMW-11D	7/2/07	18.8	9.63	0.216	0.0	6.44	5	0.0	4.10	31.91	4
RMW-12D	6/29/07	20.1	8.84	0.289	0.0	0.00	-3	0.2	3.59	30.90	4
RMW-13D	6/29/07	19.7	9.66	0.813	39.1	0.00	-92	0.0	2.29	43.10	4
MW-14D	7/2/07	22.4	8.61	1.00	46.6	0.76	97	0.0	0.20	39.05	4
MW-16D	7/2/07	14.6	8.66	2.030	0.0	0.00	-1	0.0	4.52	36.00	4
MW-17D	6/27/07	18.4	7.41	2.150	8.1	0.00	-44	0.0	3.58	55.35	4
MW-18D	6/27/07	18.2	7.42	2.41	45.3	0.00	-27	0.0	3.74	63.50	4
MW-19D	6/26/07	19.4	9.40	0.350	114.0	1.93	104	0.0	3.05	36.45	4
MW-20D	6/27/07	22.2	8.19	1.50	65.1	0.00	-179	0.0	0.20	31.00	4
MW-21D	6/28/07	19.4	6.81	8.42	14.6	0.00	-155	3.6	5.63	29.18	4
MW-22D	6/28/07	20.2	8.42	5.150	47.5	0.82	-25	0.0	5.67	41.80	4
MW-24D	6/26/07	16.7	8.56	0.779	0.0	0.00	-74	0.0	2.09	48.25	4
MW-25D	6/25/07	19.1	7.93	1.130	0.0	0.00	-242	0.5	3.98	37.91	4
MW-26D	6/26/07	20.9	7.82	0.900	154.0	0.00	-114	0.0	2.78	42.50	4
Bedrock Wells											
MW-8R	6/27/07	16.9	8.05	2.86	58.9	0.00	-115	0.0	2.99	91.76	2
MW-11R	7/2/07	17.2	8.35	0.266	0.0	0.00	-43	0.0	3.82	58.00	4
MW-13R	6/29/07	19.8	8.45	2.78	77.1	0.00	-271	0.0	2.09	62.00	2
MW-14R	6/27/07	21.9	8.34	1.100	82.0	0.00	-172	0.0	0.29	73.61	4
MW-19R	6/26/07	17.6	8.87	0.211	261.0	0.00	-351	0.0	3.42	69.47	4
MW-20R	6/27/07	22.2	9.02	0.885	54.8	0.00	-256	0.0	0.00	57.20	2
MW-23R	7/2/07	16.6	11.16	0.562	58.1	0.00	-117	0.2	3.30	87.45	4
MW-24R	6/27/07	16.7	11.61	1.590	0.0	0.00	-21	0.1	2.16	69.92	2
MW-25R	6/25/07	19.1	9.66	0.638	0.0	0.00	-225	0.0	3.89	70.00	2
MW-27R	6/26/07	17.7	12.01	3.280	97.8	0.00	-142	0.0	3.54	86.60	2
MW-28R	6/28/07	18.9	8.33	1.430	143.0	0.00	-252	1.2	3.08	77.85	2

Notes:

[1] - Depth to water measurements were made prior to purging the wells; all other parameters collected at the end of purging.

°C - degree Celsius; S.U. - pH Standard Units; mS/cm - milliseimens per centimeter; ntu - Nephelometric Turbidity Units; mg/L - milligrams per liter; mV - millivolts; ft-bmp - feet below measuring point.

Created: LM Date: 7/9/2007

Review By: AW Date: 8/22/2007

APPENDIX D

VALIDATION NARRATIVE

JUNE/JULY 2007 SAMPLING EVENT

Data Quality Assessment
Monitoring Event – June 2007
216 Paterson Plank Road Site
Carlstadt, New Jersey

This report presents the findings of the data quality review performed on the analyses of groundwater samples collected between June 27 and July 5, 2007 from the 216 Paterson Plank Road Site (Site) located in Carlstadt, New Jersey. The chemical data for samples collected at the Site were assessed to identify quality issues which could affect the use of the data for decision making purposes. The samples were collected as specified by the January 9, 2007 Off-property groundwater investigation work plan.[1]

A total of twenty-eight (28) primary groundwater samples as well as three (3) field duplicates, seven (7) rinsate blanks and seven (7) trip blank samples for quality control (QC) purposes, were collected for chemical analysis during the sampling event. The samples collected were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs), 1,4-Dioxane by Selected Ion Monitoring (SIM), Semivolatile Organic Compounds (SVOCs), and Natural Attenuation Parameters (NAPs). NAPs included alkalinity, chloride, nitrite/nitrite, total phosphorous, sulfate, sulfide, total kjeldahl nitrogen (TKN) total organic carbon (TOC), and methane, ethane, ethene (MEE). CompuChem of Cary, North Carolina, performed all the analyses (except MEE which was subcontracted to Microseeps, Inc. of Pittsburgh, PA) following USEPA method guidelines:

- TCL VOCs following USEPA Contract Laboratory Protocol (CLP) Statement of Work (SOW) for Low Concentration Organic Analysis, OLC03.2, (December 2000),
- 1,4-Dioxane by SIM following USEPA CLP SOW for Low Concentration Organic Analysis, OLC03.2, (December 2000),
- TCL SVOCs following USEPA CLP SOW for Multi-Media, Multi-Concentration Organics Analysis OLM04.3, (March 2003),
- Alkalinity following EPA Method 310.2,
- Chloride following EPA Method 300.0,
- Nitrite/nitrite following EPA Method 300.0,
- Total phosphorous following EPA Method 365.2,
- Sulfate following EPA Method 300.0,
- Sulfide following EPA Method 376.1,
- TKN following EPA Method 351.2,

[1] On June 15 and June 19, 2007, Golder provided the USEPA with revised QAPP tables in addition to SOP for groundwater sampling, list of analytical methods and validation procedures that would be utilized.

- TOC following EPA Method 415.1, and
- MEE following Microseeps' Laboratory Method AM20GAX.

Information regarding the sample point identifications, analytical parameters, QC samples, sampling dates, and contract laboratory sample delivery group (SDG) designations are summarized in Table 1A.

The data quality review for VOC analysis (including 1,4-Dioxane) followed guidelines provided by USEPA Region II Standard Operating Procedures (SOP) No. HW-13, Revision 3, CLP Organics Data Review for Low Concentration Water, (July 2001). The data quality review for SVOCs analysis followed guidelines provided by USEPA Region II SOP No. HW-6, Revision 11, CLP Organics Data Review and Preliminary Review, (June 1996). The data quality review NAPs, where applicable, followed guidelines provided by USEPA Region II SOP No. HW-2, Revision 13, Evaluation of Metals Data for the CLP, (September 2005). The data quality review for MEE, where applicable, followed the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, (October 1999). Chemical results for the samples collected at the Site were qualified on the basis of outlying precision or accuracy parameters or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data during the data review process.

J	The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the method detection limit.
UJ	The analyte was not detected above the method detection limit. The associated quality control measurements indicate the quantitation is approximate.
R	The sample result was rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

In general, the data generated as part of the monitoring event met the QC criteria established in the respective USEPA methods and Region II Data Validation SOPs. The following bulleted items highlight qualifications to specific parameters. Although these qualifications were applied to some of the samples collected during the quarterly monitoring event, the qualifications may not

have been required or applied to all samples. Table 1B details all qualifications applied to data, with applicable qualifier codes.

- Results for several VOCs in select groundwater samples as detailed in Table 1B, were qualified as **U** and reported non-detect at the reporting limit due to method blank, trip blank, rinsate blank and/or calibration check blank contamination.

- Cyclohexane and methylene chloride results in select groundwater samples were qualified **U** due to concentration greater than the Contract Required Quantitation Limit (CRQL) but less than 10x method blank and rinsate blank concentration.

- Toluene, ethylbenzene and xylene (Total) results in select groundwater samples were qualified **U** due to concentration greater than CRQL but less than rinsate blank concentration.

- Acetone results in select groundwater and surface water samples were reported with qualifier **U** for concentrations greater than CRQL but less than 2x the rinsate, trip and/or method blank value.

- 2-butanone results in groundwater samples MW-13D and FDMW-13D were qualified estimated **J** for field duplicate RPD greater than 50%.

- Groundwater results for select VOCs were qualified estimated **J** for surrogate recoveries above the QC limits.

- Groundwater results for select VOCs were qualified estimated **J** for detects and UJ for non-detects for surrogate recoveries above 20% but below the QC limits.

- Groundwater results for select VOCs were qualified estimated J for detects and rejected **R** for non-detects for surrogate recoveries below 20%.

- 1,1-Dichloroethene and tetrachloroethene results in sample MW-13D, tetrachloroethene in sample FDMW-13D, 1,1-dichloroethane and 1,2-Dichloroethene in sample MW-5D were qualified estimated **J** for the concentrations above the instrument calibration range.

- 1,1,2-Trichloro-1,2,2-Trifluoroethane result in sample MW-5D was qualified estimated **J** for the concentration below the instrument calibration range during dilution.

Based on the data quality assessment, the analytical data for the samples collected during the monitoring event were determined to be acceptable for their intended use. Acceptable levels of accuracy and precision, based on LCS, MS/MSD, field duplicate, laboratory duplicate and surrogate recoveries, were achieved for the data, with the exception of data qualified as R. In addition, the data completeness (i.e. the ratio of the amount of valid data obtained to the amount expected) was 99.8%.

TABLE 1A
SAMPLE AND ANALYSIS SUMMARY
216 PATERSON PLANK ROAD SITE
CARLSTADT, NEW JERSEY
JUNE/JULY 2007 SAMPLING EVENT

Lab SDG	Field ID	Matrix	Sample Date	VOCs	1,4-Dioxane	SVOCs	NAP	MS/MSD	Duplicate
13331	MW-5D	Groundwater	7/5/2007	X	X	X	X		
13331	MW-5DFD	Groundwater	7/5/2007			X			X
13331	MW-7D	Groundwater	7/5/2007	X		X	X		
13308	RMW-8D	Groundwater	6/28/2007	X	X	X	X		
13288	MW-8R	Groundwater	6/27/2007	X		X	X		
13308	RMW-11D	Groundwater	7/2/2007	X		X	X		
13308	MW-11R	Groundwater	7/2/2007	X	X	X	X		
13308	MW-12D	Groundwater	6/29/2007	X	X	X	X	X	
13308	MW-13D	Groundwater	6/29/2007	X	X	X	X		
13308	FDMW-13D	Groundwater	6/29/2007	X			X		X
13308	MW-13R	Groundwater	6/29/2007	X	X		X		
13331	MW-13R	Groundwater	7/5/2007			X			
13308	MW-14D	Groundwater	7/2/2007	X		X	X		
13288	MW-14R	Groundwater	6/27/2007	X		X	X		
13308	MW-16D	Groundwater	7/2/2007	X	X	X	X		
13288	MW-17D	Groundwater	6/27/2007	X	X	X	X		
13288	MW-18D	Groundwater	6/27/2007	X		X	X		
13288	MW-19D	Groundwater	6/26/2007	X		X	X		
13288	MW-19R	Groundwater	6/26/2007	X		X	X		
13288	MW-20D	Groundwater	6/27/2007	X		X	X		
13288	MW-20R	Groundwater	6/27/2007	X		X	X		
13308	MW-21D	Groundwater	6/28/2007	X	X	X	X		
13308	MW-22D	Groundwater	6/28/2007	X		X	X		
13308	MW-23R	Groundwater	7/2/2007	X	X	X	X		
13288	MW-24D	Groundwater	6/26/2007	X	X	X	X		
13288	MW-24R	Groundwater	6/27/2007	X	X	X	X	X	
13288	MW-25D	Groundwater	6/25/2007	X	X	X	X		
13288	MW-25R	Groundwater	6/25/2007	X	X	X	X		
13288	MW-26D	Groundwater	6/26/2007	X	X	X	X		
13288	MW-27R	Groundwater	6/26/2007	X	X	X	X		
13288	MW-27RFD	Groundwater	6/26/2007	X	X	X	X		X
13308	MW-28R	Groundwater	6/28/2007	X	X	X	X		

TABLE 1A
SAMPLE AND ANALYSIS SUMMARY
216 PATERSON PLANK ROAD SITE
CARLSTADT, NEW JERSEY
JUNE/JULY 2007 SAMPLING EVENT

Lab SDG	Field ID	Matrix	Sample Date	VOCs	1,4-Dioxane	SVOCs	NAP	MS/MSD	Duplicate
QC Samples									
13288	RBGW062507	Water	6/25/2007	X	X	X			
13288	TBGW062507	Water	6/25/2007	X	X				
13288	RBGW062607	Water	6/26/2007	X	X	X			
13288	TBGW062607	Water	6/26/2007	X	X				
13288	RBGW062707	Water	6/27/2007	X	X	X			
13288	TBGW062707	Water	6/27/2007	X	X				
13308	RBGW062907	Water	6/29/2007	X	X	X			
13308	TBGW062907	Water	6/29/2007	X	X				
13308	RBGW062807	Water	6/28/2007	X	X	X			
13308	TBGW062807	Water	6/28/2007	X	X				
13308	TBGW070207	Water	7/2/2007	X	X				
13308	RBGW070207	Water	7/2/2007	X	X	X			
13331	RBGW070507	Water	7/5/2007	X	X	X			
13331	TBGW070507	Water	7/5/2007	X	X				

Abbreviations:
SDG - Sample Delivery Group
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
NAP - Natural Attenuation Parameters
MS/MSD - Matrix Spike/Matrix Spike Duplicate
RB - Rinsate Blank
TB - Trip Blank
QC - Quality Control

TABLE 1B
DATA QUALIFIER SUMMARY
216 PATERSON PLANK ROAD SITE
CARLSTADT, NEW JERSEY
JUNE/JULY 2007 SAMPLING EVENT

SDG	Field ID	Matrix	Analysis	Analyte	New Result	QUAL	Code	Comments
13308	MW-21D	GW	VOC	Cyclohexane	-	U	MB	Method blank contamination.
13308	MW-16D, MW-24R, MW-17D, MW-18D, MW-8R, MW-14R, MW-20R, MW-25D, MW-25R, MW-27RFD, MW-19R, MW-19D, MW-26D, MW-24D, MW-27R, RMW-8D, MW-28R, MW-22D, MW-12D,MW-13D, MW-13R, RMW-11D, MW-23R, MW-11R	GW	VOC	Cyclohexane	0.5	U	MB	Method blank contamination.
13308	MW-14D	GW	VOC	Methylene chloride	0.5	U	MB	Method blank contamination.
13288	MW-24R	GW	VOC	Trichlorofluoromethane, methylene chloride, methylcyclohexane	0.5	U	MB	Method blank contamination.
13288	MW-24R, MW-8R	GW	VOC	1,3-Dichlorobenzene	0.5	U	MB	Method blank contamination.
13288	MW-17D, MW-18D, MW-8R, MW-14R, MW-20R	GW	VOC	Methylene chloride	0.5	U	MB	Method blank contamination.
13288	MW-18D, MW-8R, MW-20D, MW-14R, MW-19D	GW	VOC	Acetone	5	U	MB	Method blank contamination.
13288	MW-8R	GW	VOC	Dichlorodifluoromethane	0.5	U	MB	Method blank contamination.
13288	MW-8R	GW	VOC	Trichlorofluoromethane	0.5	U	MB	Method blank contamination.
13288	MW-8R, MW-14R, MW-20R	GW	VOC	Tetrachloroethene	0.5	U	MB	Method blank contamination.
13288	MW-20D	GW	VOC	Cyclohexane	5.2	U	MB	Method blank contamination.
13288	MW-25D, MW-25R, MW-19R, MW-24D	GW	VOC	Acetone	-	U	MB	Method blank contamination.
13288	MW-17D, MW-20R, MW-27RFD, MW-26D, MW-27R	GW	VOC	Acetone	-	U	RB	Rinsate blank contamination.
13288	MW-20D	GW	VOC	Methylene chloride	1.8	U	RB	Rinsate blank contamination.
13288	MW-27RFD, MW-24D, MW-27R	GW	VOC	Carbon disulfide	0.5	U	RB	Rinsate blank contamination.
13288	MW-27RFD	GW	VOC	Ethylbenzene	0.5	U	RB	Rinsate blank contamination.
13288	MW-24D	GW	VOC	Chloroform	0.5	U	RB	Rinsate blank contamination.
13331	MW-5D, MW-7D	GW	VOC	Acetone	5	U	RB	Rinsate blank contamination.
13331	MW-5D, MW-7D	GW	VOC	Cyclohexane	-	U	RB	Rinsate blank contamination.
13331	MW-7D, MW-13R	GW	VOC	Methylene chloride	-	U	RB	Rinsate blank contamination.
13308	MW-28R	GW	VOC	Acetone	5	U	RB	Rinsate blank contamination.

TABLE 1B
DATA QUALIFIER SUMMARY
216 PATERSON PLANK ROAD SITE
CARLSTADT, NEW JERSEY
JUNE/JULY 2007 SAMPLING EVENT

SDG	Field ID	Matrix	Analysis	Analyte	New Result	QUAL	Code	Comments
13308	MW-28R, MW-22D, MW-12D, MW-13D, FDMW-13D, MW-25D, MW-25R, MW-27RFD, MW-19R, MW-19D, MW-26D, MW-24D, MW-27R, MW-5D	GW	VOC	Methylene chloride	0.5	U	RB	Rinsate blank contamination.
13308	MW-28R	GW	VOC	2-Butanone	5	U	RB	Rinsate blank contamination.
13308	MW-22D, MW-12D, MW-13D, FDMW-13D, MW-13R, RMW-11D, MW-23R, MW-11R, MW-14D, RMW-8D	GW	VOC	Acetone	-	U	RB	Rinsate blank contamination.
13308	MW-21D	GW	VOC	Acetone	160	U	RB	Rinsate blank contamination.
13308	MW-21D	GW	VOC	Methylene chloride	16	U	RB	Rinsate blank contamination.
13308	MW-21D	GW	VOC	Xylene (Total), toluene, ethylbenzene	16	U	RB	Rinsate blank contamination.
13308	FDMW-13D, MW-14D	GW	VOC	Cyclohexane	0.5	U	RB	Rinsate blank contamination.
13308	MW-13R, MW-24R, MW-27R, MW-5D, MW-7D, MW-28R, MW-22D, MW-12D, MW-13D, FDMW-13D	GW	VOC	Toluene	-	U	RB	Rinsate blank contamination.
13308	RMW-11D, MW-23R, MW-11R, MW-16D, MW-14D, MW-17D, MW-18D, MW-8R, MW-20D, MW-14R, MW-20R, MW-25R, MW-27RFD, MW-19R, MW-26D, MW-24D, RMW-8D	GW	VOC	Toluene	0.5	U	RB	Rinsate blank contamination.
13308	MW-16D	GW	VOC	Acetone	5	U	RB	Rinsate blank contamination.
13308	MW-16D	GW	VOC	Benzene	0.5	U	RB	Rinsate blank contamination.
13324	MW-11R, MW-16D, MW-23R	GW	VOCs	1,4-Dioxane	2	U	MB,TB, RB	Method, Trip and Rinsate blank contamination.
13331	MW-5D, MW-7D	GW	Inorganics	Cobalt	50	U	CCB	Calibration check blank contamination.
13331	MW-5D, MW-7D	GW	Inorganics	Potassium	5000	U	CCB	Calibration check blank contamination.
13331	MW-5D, MW-7D	GW	Inorganics	Vanadium	50	U	CCB	Calibration check blank contamination.
13331	MW-5D	GW	VOC	Trans-1,2-Dichloroethene	-	J	SH	Surrogate recovery above QC limits.
13288	MW-24R	GW	VOC	Acetone	-	J	SL	Surrogate recovery below QC limits.

TABLE 1B
DATA QUALIFIER SUMMARY
216 PATERSON PLANK ROAD SITE
CARLSTADT, NEW JERSEY
JUNE/JULY 2007 SAMPLING EVENT

SDG	Field ID	Matrix	Analysis	Analyte	New Result	QUAL	Code	Comments
13288	MW-24R	GW	VOC	2-Butanone	-	UJ	SL	Surrogate recovery below QC limits.
13288	MW-24R, MW-20D	GW	VOC	4-Methyl-2-Pentanone	-	UJ	SL	Surrogate recovery below QC limits.
13288	MW-17D, MW-18D, MW-8R, MW-24D, MW-20R	GW	VOC	Cis-1,2-Dichloroethene	-	J	SL	Surrogate recovery below QC limits.
13288	MW-17D, MW-18D, MW-8R, MW-24D, MW-27R, MW-20R	GW	VOC	Trans-1,2-Dichloroethene	-	UJ	SL	Surrogate recovery below QC limits.
13288	MW-20D	GW	VOC	Trans-1,2-Dichloroethene	-	J	SL	Surrogate recovery below QC limits.
13288	MW-27R	GW	VOC	Cis-1,2-Dichloroethene	-	UJ	SL	Surrogate recovery below QC limits.
13308	FDMW-13D, MW-13D, MW-13R	GW	VOC	Acetone	-	J	SL	Surrogate recovery below 20%.
13308	FDMW-13D, MW-13D, MW-13R	GW	VOC	4-Methyl-2-Pentanone, 2-hexanone	-	R	SL	Surrogate recovery below 20%.
13308	MW-13R	GW	VOC	2-Butanone	-	J	SL	Surrogate recovery below 20%.
13308	MW-12D	GW	VOC	Cis-1,2-Dichloroethene	-	J	SH	Surrogate recovery above QC limits.
13308	FDMW-13D, MW-13D, MW-13R	GW	VOC	Trans-1,2-Dichloroethene	-	J	SH	Surrogate recovery above QC limits.
13308	MW-14D	GW	VOC	Tetrachloroethene, trichloroethene	-	J	SH	Surrogate recovery above QC limits.
13308	RMW-8D, MW-28R, MW-22D	GW	VOC	Trans-1,2-Dichloroethene	-	UJ	SL	Surrogate recovery below QC limits.
13308	RMW-8D, MW-28R	GW	VOC	Cis-1,2-Dichloroethene	-	J	SL	Surrogate recovery below QC limits.
13308	RMW-8D	GW	VOC	Cis-1,3-dichoropropene	-	UJ	SL	Surrogate recovery below QC limits.

TABLE 1B
DATA QUALIFIER SUMMARY
216 PATERSON PLANK ROAD SITE
CARLSTADT, NEW JERSEY
JUNE/JULY 2007 SAMPLING EVENT

SDG	Field ID	Matrix	Analysis	Analyte	New Result	QUAL	Code	Comments
13308	RMW-8D	GW	VOC	Trans-1,3-Dichoropropene	-	UJ	SL	Surrogate recovery below QC limits.
13308	RMW-8D	GW	VOC	1,1,2-Trichloroethane	-	UJ	SL	Surrogate recovery below QC limits.
13308	MW-22D	GW	VOC	Cis-1,2-Dichloroethene	-	UJ	SL	Surrogate recovery below QC limits.
13308	RMW-11D, MW-11R	GW	VOC	4-Methyl-2-Pentanone	-	UJ	SL	Surrogate recovery below QC limits.
13308	RMW-11D, MW-11R, MW-24R, MW-20D,	GW	VOC	2-Hexanone	-	UJ	SL	Surrogate recovery below QC limits.
13308	FDMW-13D, MW-13D	GW	VOC	2-Butanone	-	J	SL,FD	Surrogate recovery below 20%, field duplicate RPD>50%.
13331	MW-5D	GW	VOC	Chloroform	200	J	E,SH	Concentration above instrument calibration range, surrogate recovery above QC limits.
13308	MW-13D	GW	VOC	1,1-Dichloroethene	49	J	E	Concentration above instrument calibration range.
13308	MW-13D	GW	VOC	Tetrachloroethene	26	J	E	Concentration above instrument calibration range.
13308	FDMW-13D	GW	VOC	Tetrachloroethene	27	J	E	Concentration above instrument calibration range.
13331	MW-5D	GW	VOC	1,1-Dichloroethane	36	J	E	Concentration above instrument calibration range.
13331	MW-5D	GW	VOC	1,2-Dichloroethene	84	J	E	Concentration above instrument calibration range.
13331	MW-5D	GW	VOC	1,1,2-Trichloro-1,2,2-Trifluoroethane	210	J	E	Concentration below instrument calibration range.

Abbreviations:

SDG - Sample Delivery Group
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
RL - Reporting Limit
QUAL- Qualifier
CRQL- Contract Required Quantitation Limit
%D- Percent Difference
QC- Quality Control
GW- Groundwater
SW- Surface water
RPD- Relative Percent Difference

Code:

MB- Method blank contamination
RB- Rinsate blank contamination
TB- Trip blank contamination
CCB- Calibration check blank contamination
SL- Surrogate recovery below QC limits
SH- Surrogate recovery above QC limits
FD- Field duplicate precision outside QC limits
LD- Lab duplicate precision outside QC limits
SD- Serial dilution %D above QC limits
CNF- %D between pesticide columns above QC limits
E - Concentration exceeds instrument calibration range

Qualifiers:

J- Estimated detect
UJ- Estimated non-detect
U- Not detected above reporting limit
R- Reject

DECEMBER 2006 SAMPLING EVENT

Data Quality Assessment
Monitoring Event – December 2006
216 Paterson Plank Road Site
Carlstadt, New Jersey

This report presents the findings of the data quality review performed on the analyses of groundwater samples collected on December 21, 2006 at the 216 Paterson Plank Road Site (Site) located in Carlstadt, New Jersey. The chemical data for samples collected at the Site were assessed to identify quality issues which could affect the use of the data for decision making purposes.

A total of four (4) groundwater samples as well as one (1) field duplicate, one (1) rinsate blank and one (1) trip blank sample for quality control (QC) purposes, were collected for chemical analysis during the sampling event. The samples were submitted to CompuChem, Cary, North Carolina for analysis. The samples collected were analyzed for Volatile Organic Compounds (VOCs), following USEPA Contract Laboratory Program (CLP) Statement of Work (SOW) for Multi-Media, Multi-Concentration Organics Analysis OLM04.3, March 2003; and 1,4-dioxane by Simulated Ion Monitoring (SIM) following USEPA CLP SOW for Analysis of Low Concentration Organic, OLC03.2, December 2000. Information regarding the sample point identifications, analytical parameters, QC samples, sampling dates, and contract laboratory sample delivery group (SDG) designations are summarized in Table 1A.

The data quality review for VOC analysis followed guidelines provided by USEPA Region II Standard Operating Procedures (SOP) No. HW-6, Revision 11, CLP Organics Data Review and Preliminary Review, June 1996. The data quality review for 1,4-dioxane followed guidelines provided by USEPA Region II SOP No. HW-13, Revision 3, Organic Data Review for Low Concentration Water, July 2001. Chemical results for the samples collected at the Site were qualified on the basis of outlying precision or accuracy parameters or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data during the data review process.

J	The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

U	The analyte was analyzed for, but was not detected above the Contract Required Quantitation Limit (CRQL).

In general, the data generated as part of the monitoring event met the QC criteria established in the respective USEPA methods and Region II Data Validation SOPs. The following bulleted items highlight qualifications to specific parameters. Although these qualifications were applied to some of the samples collected during the quarterly monitoring event, the qualifications may not have been required or applied to all samples. Table 1B summarizes all qualifications applied to data, with applicable qualifier codes, and the data evaluations are included as an attachment to this appendix.

- Toluene results were qualified as **U** and reported non-detect at the CRQL due to method blank contamination.

Based on the data quality assessment, the analytical data for the samples collected during the monitoring event were determined to be acceptable for their intended use. Generally, acceptable levels of accuracy and precision, based on LCS, MS/MSD, field duplicate and surrogate recoveries, were achieved for the data. In addition, the data completeness (i.e. the ratio of the amount of valid data obtained to the amount expected) was 100%.

TABLE 1A
SAMPLING AND ANALYSIS SUMMARY
216 PATERSON PLANK ROAD SITE
CARLSTADT, NEW JERSEY
DECEMBER 2006 SAMPLING EVENT

Lab SDG	Field ID	Matrix	Sample Date	VOCs	1,4-dioxane	MS/MSD	Duplicate
11938, 11939	MW-20D	Groundwater	12/21/2006	x	x		
11938, 11939	F.DUP (MW-20D)	Groundwater	12/21/2006	x	x		x
11938, 11939	MW-20R	Groundwater	12/21/2006	x	x	x	
11938, 11939	MW-19D	Groundwater	12/21/2006	x	x		
11938, 11939	MW-19R	Groundwater	12/21/2006	x	x		
11938, 11939	RB01	Water	12/21/2006	x	x		
11938, 11939	TB01	Water	12/21/2006	x	x		

VOCs - Volatile Organic Compounds
MS/MSD - Matrix Spike/Matrix Spike Duplicate
SDG - Sample Delivery Group
RB - Rinsate blank
TB - Trip blank

TABLE 1B
DATA QUALIFICATION SUMMARY
216 PATERSON PLANK ROAD SITE
CARLSTADT, NEW JERSEY
DECEMBER 2006 SAMPLING EVENT

SDG	Field ID	Matrix	Parameter	Analyte	NEW RESULT (ug/L)	QUAL	Code	Comments
11938	F.DUP (MW-20D)	Groundwater	VOCs	Toluene	50	U	BC	Method blank contamination.
11938	MW-20R	Groundwater	VOCs	Toluene	10	U	BC	Method blank contamination.
11938	MW-19D	Groundwater	VOCs	Toluene	10	U	BC	Method blank contamination.
11938	MW-19R	Groundwater	VOCs	Toluene	10	U	BC	Method blank contamination.

Abbreviations:
SDG - Sample Delivery Group
VOCs - Volatile Organic Compounds
QUAL-Qualifier
U-Not detected above reporting limit

Code:
BC - Blank contamination

APPENDIX E

GROUNDWATER CHEMISTRY DATA

2006/2007 ANALYTICAL DATA

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-5D			MW-7D			MW-8R			RMW-8D			RMW-11D			MW-11R			RMW-12D			RMW-13D			RMW-13D		
		Sample Date:	07/05/2007			07/05/2007			06/27/2007			06/28/2007			07/02/2007			07/02/2007			06/29/2007			06/29/2007			06/29/2007		
		Sample Type:	N			N			N			N			N			N			N			FD			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	ug/l	6000	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	UJ	5	< 5	UJ	5
Benzene	ug/l	1	**15**		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	**1.5**		0.5	**1.5**		0.5
Bromodichloromethane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Bromoform	ug/l	4	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Bromomethane	ug/l	10	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
2-Butanone	ug/l	300	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	3.1	J	5	7.6	J	5	3	J	5
Carbon Disulfide	ug/l	700	< 0.5	U	0.5	< 0.5	U	0.5	0.1	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Carbon Tetrachloride	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Chlorobenzene	ug/l	50	23		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	1.4		0.5	1.3		0.5
Chloroethane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Chloroform	ug/l	70	**200**	J	0.5	< 0.5	U	0.5	0.45	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	31		0.5	30		0.5
Chloromethane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
cis-1,2-Dichloroethene	ug/l	70	**830**		0.5	< 0.5	U	0.5	0.19	J	0.5	0.77	J	0.5	0.27	J	0.5	2.3		0.5	1.9	J	0.5	**300**		0.5	**290**		0.5
cis-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	UJ	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Cyclohexane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dibromo-3-chloropropane	ug/l	0.02	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Dibromochloromethane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dibromoethane	ug/l	0.03	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dichlorobenzene	ug/l	600	3.8		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,3-Dichlorobenzene	ug/l	600	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,4-Dichlorobenzene	ug/l	75	< 0.5	U	0.5	< 0.5	U	0.5	0.16	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Dichlorodifluoromethane	ug/l	1000	1.1		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,1-Dichloroethane	ug/l	50	36	J	0.5	0.13	J	0.5	1.3		0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.16	J	0.5	0.1	J	0.5	11		0.5	10		0.5
1,2-Dichloroethane	ug/l	2	**84**	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.89		0.5	< 0.5	U	0.5	**24**		0.5	**22**		0.5
1,1-Dichloroethene	ug/l	1	**230**	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	**31**		0.5	**49**	J	0.5
1,2-Dichloropropane	ug/l	1	**1.1**		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,4-Dioxane	ug/l	NS	3.7		2							0.99	J	2				< 2	U	2	1.2	J	2				1.1	J	2
Ethylbenzene	ug/l	700	3		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Freon 113	ug/l	NS	210	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	7.2		0.5	9.6		0.5
2-Hexanone	ug/l	NS	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	UJ	5	< 5	UJ	5	< 5	U	5	5	R	5	5	R	5
Isopropylbenzene	ug/l	700	0.56		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Methyl Acetate	ug/l	7000	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Methyl Cyclohexane	ug/l	NS	1.2		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Methyl tert-Butyl Ether	ug/l	70	< 0.5	U	0.5	< 0.5	U	0.5	0.45	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
4-Methyl-2-pentanone	ug/l	NS	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	UJ	5	< 5	UJ	5	< 5	U	5	5	R	5	5	R	5
Methylene Chloride	ug/l	3	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Styrene	ug/l	100	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Tetrachloroethene	ug/l	1	**980**		0.5	0.62		0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.79		0.5	**5.6**		0.5	0.29	J	0.5	**27**	J	0.5	**26**	J	0.5
Toluene	ug/l	600	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
trans-1,2-Dichloroethene	ug/l	100	2	J	0.5	< 0.5	U	0.5	< 0.5	UJ	0.5	< 0.5	UJ	0.5	< 0.5	U	0.5	0.35	J	0.5	< 0.5	U	0.5	0.8		0.5	0.71	J	0.5
trans-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	UJ	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2,4-Trichlorobenzene	ug/l	9	**77**	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,1,1-Trichloroethane	ug/l	30	20	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	2.1		0.5	2		0.5
1,1,2-Trichloroethane	ug/l	3	0.92		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	UJ	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Trichloroethene	ug/l	1	**3400**		0.5	**3.7**		0.5	0.12	J	0.5	0.3	J	0.5	0.87		0.5	**7.5**		0.5	0.93		0.5	**190**		0.5	**150**		0.5
Trichlorofluoromethane	ug/l	2000	1.4	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.11	J	0.5	< 0.5	U	0.5
Vinyl Chloride	ug/l	1	**150**	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	**17**		0.5	**18**		0.5
Xylenes, Total	ug/l	1000	7.2		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-13R			MW-14D			MW-14R			MW-16D			MW-17D			MW-18D			MW-19D			MW-19D			MW-19R		
		Sample Date:	06/29/2007			07/02/2007			06/27/2007			07/02/2007			06/27/2007			06/27/2007			12/21/2006			06/26/2007			12/21/2006		
		Sample Type:	N			N			N			N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	ug/l	6000	< 5	UJ	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	5	J	10	< 5	U	5	< 10	U	10
Benzene	ug/l	1	**1.2**		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Bromodichloromethane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Bromoform	ug/l	4	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Bromomethane	ug/l	10	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
2-Butanone	ug/l	300	5.1	J	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 10	U	10	< 5	U	5	< 10	U	10
Carbon Disulfide	ug/l	700	0.13	J	0.5	< 0.5	U	0.5	0.11	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Chlorobenzene	ug/l	50	1.3		0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.11	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Chloroethane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Chloroform	ug/l	70	22		0.5	3.6		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	2	J	10
Chloromethane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70	**140**		0.5	1.1		0.5	0.46	J	0.5	27		0.5	2.2	J	0.5	0.92	J	0.5	< 10	U	10	0.11	J	0.5	41		10
cis-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Cyclohexane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,2-Dibromo-3-chloropropane	ug/l	0.02	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Dibromochloromethane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,2-Dibromoethane	ug/l	0.03	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,2-Dichlorobenzene	ug/l	600	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.13	J	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,3-Dichlorobenzene	ug/l	600	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,4-Dichlorobenzene	ug/l	75	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Dichlorodifluoromethane	ug/l	1000	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,1-Dichloroethane	ug/l	50	5.7		0.5	1.1		0.5	< 0.5	U	0.5	3.1		0.5	0.79		0.5	0.85		0.5	< 10	U	10	< 0.5	U	0.5	4	J	10
1,2-Dichloroethane	ug/l	2	**9.9**		0.5	< 0.5	U	0.5	< 0.5	U	0.5	**8.2**		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	**9**	J	10
1,1-Dichloroethene	ug/l	1	**24**		0.5	0.74		0.5	< 0.5	U	0.5	**7.4**		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	**9**	J	10
1,2-Dichloropropane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,4-Dioxane	ug/l	NS	0.85	J	2							< 2	U	2	5.3		2				< 2	U	2				4		2
Ethylbenzene	ug/l	700	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Freon 113	ug/l	NS	3.7		0.5	0.5		0.5	< 0.5	U	0.5	3.2		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	4	J	10
2-Hexanone	ug/l	NS	5	R	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 10	U	10	< 5	U	5	< 10	U	10
Isopropylbenzene	ug/l	700	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Methyl Acetate	ug/l	7000	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Methyl Cyclohexane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Methyl tert-Butyl Ether	ug/l	70	0.16	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	10		0.5	10		0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
4-Methyl-2-pentanone	ug/l	NS	5	R	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 10	U	10	< 5	U	5	< 10	U	10
Methylene Chloride	ug/l	3	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Styrene	ug/l	100	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Tetrachloroethene	ug/l	1	**29**		0.5	0.12	J	0.5	< 0.5	U	0.5	**9.5**		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	**27**		10
Toluene	ug/l	600	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	0.73	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.4	J	0.5	< 0.5	UJ	0.5	< 0.5	UJ	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,1,1-Trichloroethane	ug/l	30	0.66		0.5	< 0.5	U	0.5	< 0.5	U	0.5	2.1		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Trichloroethene	ug/l	1	**230**		0.5	**8.7**	J	0.5	0.28	J	0.5	**66**		0.5	0.29	J	0.5	0.24	J	0.5	< 10	U	10	< 0.5	U	0.5	**120**		10
Trichlorofluoromethane	ug/l	2000	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Vinyl Chloride	ug/l	1	**86**		0.5	**1.2**		0.5	< 0.5	U	0.5	0.4	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10
Xylenes, Total	ug/l	1000	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 10	U	10

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-19R			MW-20D			MW-20D			MW-20D			MW-20R			MW-20R			MW-21D			MW-22D			MW-23R		
		Sample Date:	06/26/2007			12/21/2006			12/21/2006			06/27/2007			12/21/2006			06/27/2007			06/28/2007			06/28/2007			07/02/2007		
		Sample Type:	N			FD			N			N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	ug/l	6000	< 5	U	5	20	J	50	< 50	U	50	< 5	U	5	< 10	U	10	< 5	U	5	< 160	U	160	< 5	U	5	< 5	U	5
Benzene	ug/l	1	< 0.5	U	0.5	< 50	U	50	< 50	U	50	**3.7**		0.5	< 10	U	10	< 0.5	U	0.5	**350**		16	< 0.5	U	0.5	0.1	J	0.5
Bromodichloromethane	ug/l	1	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Bromoform	ug/l	4	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Bromomethane	ug/l	10	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
2-Butanone	ug/l	300	< 5	U	5	< 50	U	50	< 50	U	50	< 5	U	5	< 10	U	10	< 5	U	5	< 160	U	160	< 5	U	5	< 5	U	5
Carbon Disulfide	ug/l	700	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Carbon Tetrachloride	ug/l	1	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Chlorobenzene	ug/l	50	< 0.5	U	0.5	< 50	U	50	< 50	U	50	0.9		0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Chloroethane	ug/l	NS	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	360		16	< 0.5	U	0.5	< 0.5	U	0.5
Chloroform	ug/l	70	< 0.5	U	0.5	19	J	50	19	J	50	14		0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Chloromethane	ug/l	NS	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
cis-1,2-Dichloroethene	ug/l	70	2		0.5	**350**		50	**340**		50	**370**		0.5	< 10	U	10	0.23	J	0.5	7.4	J	16	< 0.5	UJ	0.5	0.16	J	0.5
cis-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Cyclohexane	ug/l	NS	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dibromo-3-chloropropane	ug/l	0.02	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Dibromochloromethane	ug/l	1	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dibromoethane	ug/l	0.03	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dichlorobenzene	ug/l	600	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,3-Dichlorobenzene	ug/l	600	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,4-Dichlorobenzene	ug/l	75	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Dichlorodifluoromethane	ug/l	1000	< 0.5	U	0.5	< 50	U	50	< 50	U	50	0.77		0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,1-Dichloroethane	ug/l	50	0.19	J	0.5	13	J	50	13	J	50	13		0.5	< 10	U	10	< 0.5	U	0.5	**600**		16	0.9		0.5	< 0.5	U	0.5
1,2-Dichloroethane	ug/l	2	< 0.5	U	0.5	**20**	J	50	**20**	J	50	**19**		0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,1-Dichloroethene	ug/l	1	< 0.5	U	0.5	**20**	J	50	**20**	J	50	**24**		0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dichloropropane	ug/l	1	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,4-Dioxane	ug/l	NS				5.7		2	6.3		2				< 2	U	2				2800		830				< 2	U	2
Ethylbenzene	ug/l	700	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Freon 113	ug/l	NS	0.23	J	0.5	< 50	U	50	< 50	U	50	5.8		0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
2-Hexanone	ug/l	NS	< 5	U	5	< 50	U	50	< 50	U	50	< 5	UJ	5	< 10	U	10	< 5	U	5	< 160	U	160	< 5	U	5	< 5	U	5
Isopropylbenzene	ug/l	700	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Methyl Acetate	ug/l	7000	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Methyl Cyclohexane	ug/l	NS	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Methyl tert-Butyl Ether	ug/l	70	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
4-Methyl-2-pentanone	ug/l	NS	< 5	U	5	< 50	U	50	< 50	U	50	< 5	UJ	5	< 10	U	10	< 5	U	5	< 160	U	160	< 5	U	5	< 5	U	5
Methylene Chloride	ug/l	3	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Styrene	ug/l	100	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Tetrachloroethene	ug/l	1	**1.2**		0.5	**25**	J	50	**26**	J	50	**22**		0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	0.26	J	0.5
Toluene	ug/l	600	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
trans-1,2-Dichloroethene	ug/l	100	< 0.5	U	0.5	< 50	U	50	< 50	U	50	1.2	J	0.5	< 10	U	10	< 0.5	UJ	0.5	< 16	U	16	< 0.5	UJ	0.5	< 0.5	U	0.5
trans-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,2,4-Trichlorobenzene	ug/l	9	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,1,1-Trichloroethane	ug/l	30	< 0.5	U	0.5	< 50	U	50	< 50	U	50	1.8		0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
1,1,2-Trichloroethane	ug/l	3	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Trichloroethene	ug/l	1	**5.7**		0.5	**200**		50	**200**		50	**210**		0.5	< 10	U	10	0.56		0.5	**8.2**	J	16	< 0.5	U	0.5	**1.5**		0.5
Trichlorofluoromethane	ug/l	2000	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5
Vinyl Chloride	ug/l	1	< 0.5	U	0.5	**29**	J	50	**29**	J	50	**32**		0.5	< 10	U	10	< 0.5	U	0.5	**15**	J	16	< 0.5	U	0.5	< 0.5	U	0.5
Xylenes, Total	ug/l	1000	< 0.5	U	0.5	< 50	U	50	< 50	U	50	< 0.5	U	0.5	< 10	U	10	< 0.5	U	0.5	< 16	U	16	< 0.5	U	0.5	< 0.5	U	0.5

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-24D			MW-24R			MW-25D			MW-25R			MW-26D			MW-27R			MW-27R			MW-28R		
		Sample Date:	06/26/2007			06/27/2007			06/25/2007			06/25/2007			06/26/2007			06/26/2007			06/26/2007			06/28/2007		
		Sample Type:	N			N			N			N			N			FD			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	ug/l	6000	< 5	U	5	55	J	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Benzene	ug/l	1	< 0.5	U	0.5	0.16	J	0.5	0.21	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.13	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Bromodichloromethane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Bromoform	ug/l	4	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Bromomethane	ug/l	10	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
2-Butanone	ug/l	300	< 5	U	5	< 5	UJ	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Carbon Disulfide	ug/l	700	< 0.5	U	0.5	0.15	J	0.5	1.1		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.15	J	0.5
Carbon Tetrachloride	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Chlorobenzene	ug/l	50	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Chloroethane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Chloroform	ug/l	70	< 0.5	U	0.5	0.53		0.5	0.68		0.5	< 0.5	U	0.5	0.95		0.5	0.89		0.5	1		0.5	< 0.5	U	0.5
Chloromethane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	0.11	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
cis-1,2-Dichloroethene	ug/l	70	1.2	J	0.5	2.5		0.5	13		0.5	< 0.5	U	0.5	2.6		0.5	< 0.5	U	0.5	< 0.5	UJ	0.5	0.16	J	0.5
cis-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Cyclohexane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dibromo-3-chloropropane	ug/l	0.02	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Dibromochloromethane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dibromoethane	ug/l	0.03	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dichlorobenzene	ug/l	600	< 0.5	U	0.5	0.11	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,3-Dichlorobenzene	ug/l	600	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,4-Dichlorobenzene	ug/l	75	< 0.5	U	0.5	0.15	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Dichlorodifluoromethane	ug/l	1000	< 0.5	U	0.5	0.53		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,1-Dichloroethane	ug/l	50	0.28	J	0.5	0.59		0.5	1.5		0.5	< 0.5	U	0.5	0.46	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dichloroethane	ug/l	2	0.46	J	0.5	1.6		0.5	**3.1**		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,1-Dichloroethene	ug/l	1	< 0.5	U	0.5	0.47	J	0.5	**2.9**		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2-Dichloropropane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,4-Dioxane	ug/l	NS	0.47	J	2	0.67	J	2	1	J	2	< 2	U	2	0.84	J	2	< 2	U	2	< 2	U	2	1.8	J	2
Ethylbenzene	ug/l	700	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Freon 113	ug/l	NS	< 0.5	U	0.5	0.63		0.5	0.77		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
2-Hexanone	ug/l	NS	< 5	U	5	< 5	UJ	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Isopropylbenzene	ug/l	700	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Methyl Acetate	ug/l	7000	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Methyl Cyclohexane	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Methyl tert-Butyl Ether	ug/l	70	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
4-Methyl-2-pentanone	ug/l	NS	< 5	U	5	< 5	UJ	5	< 5	U	5	< 5	U	5	< 5	U	5	1.6	J	5	< 5	U	5	< 5	U	5
Methylene Chloride	ug/l	3	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Styrene	ug/l	100	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Tetrachloroethene	ug/l	1	0.52		0.5	**2.8**		0.5	**1.9**		0.5	0.1	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Toluene	ug/l	600	< 0.5	U	0.5	< 0.5	U	0.5	0.72		0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
trans-1,2-Dichloroethene	ug/l	100	< 0.5	UJ	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	UJ	0.5	< 0.5	UJ	0.5
trans-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,2,4-Trichlorobenzene	ug/l	9	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,1,1-Trichloroethane	ug/l	30	< 0.5	U	0.5	< 0.5	U	0.5	0.25	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
1,1,2-Trichloroethane	ug/l	3	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Trichloroethene	ug/l	1	**2.8**		0.5	**6.8**		0.5	**23**		0.5	0.14	J	0.5	0.25	J	0.5	0.13	J	0.5	0.15	J	0.5	< 0.5	U	0.5
Trichlorofluoromethane	ug/l	2000	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Vinyl Chloride	ug/l	1	< 0.5	U	0.5	< 0.5	U	0.5	0.21	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Xylenes, Total	ug/l	1000	< 0.5	U	0.5	< 0.5	U	0.5	0.15	J	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.59		0.5	0.91		0.5	< 0.5	U	0.5

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-5D			MW-5D			MW-7D			MW-8R			RMW-8D			RMW-11D			MW-11R			RMW-12D			RMW-13D		
		Sample Date:	07/05/2007			07/05/2007			07/05/2007			06/27/2007			06/28/2007			07/02/2007			07/02/2007			06/29/2007			06/29/2007		
		Sample Type:	FD			N			N			N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	ug/l	400	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Anthracene	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	**7**	J	10	**5**	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbazole	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluorene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Phenol	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-13R			MW-14D			MW-14R			MW-16D			MW-17D			MW-18D			MW-19D			MW-19R			MW-20D		
		Sample Date:	07/05/2007			07/02/2007			06/27/2007			07/02/2007			06/27/2007			06/27/2007			06/26/2007			06/26/2007			06/27/2007		
		Sample Type:	N			N			N			N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	ug/l	400	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Anthracene	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbazole	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluorene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Phenol	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-20R			MW-21D			MW-22D			MW-23R			MW-24D			MW-24R			MW-25D			MW-25R			MW-26D		
		Sample Date:	06/27/2007			06/28/2007			06/28/2007			07/02/2007			06/26/2007			06/27/2007			06/25/2007			06/25/2007			06/26/2007		
		Sample Type:	N			N			N			N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	ug/l	400	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Anthracene	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	**4**	J	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbazole	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	3	J	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluorene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10	< 10	U	10
Phenol	ug/l	2000	< 10	U	10	3	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-27R			MW-27R			MW-28R		
		Sample Date:	06/26/2007			06/26/2007			06/28/2007		
		Sample Type:	FD			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	ug/l	400	< 10	U	10	< 10	U	10	< 10	U	10
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
Anthracene	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10
Carbazole	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10
Fluorene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10
Phenol	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-5D			MW-7D			RMW-8D			RMW-11D			RMW-12D			RMW-13D			RMW-13D		
		Sample Date:	07/05/2007			07/05/2007			06/28/2007			07/02/2007			06/29/2007			06/29/2007			06/29/2007		
		Sample Type:	N			N			N			N			N			FD			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Aluminum	ug/l	200	< 200	U	200	< 200	U	200	< 200	U	200	< 200	U	200	**400**		200	< 200	U	200	< 200	U	200
Antimony	ug/l	6	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60
Arsenic	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	2.8	J	10	< 10	U	10
Barium	ug/l	6000	< 200	U	200	< 200	U	200	< 200	U	200	< 200	U	200	< 200	U	200	< 200	U	200	< 200	U	200
Beryllium	ug/l	1	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Cadmium	ug/l	4	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Calcium	ug/l	NS	258000		5000	89300		5000	22600		5000	8270	J	5000	31500		5000	58700		5000	55100		5000
Chromium	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	11.8		10	12.5		10	< 10	U	10	< 10	U	10
Cobalt	ug/l	NS	< 50	U	50	< 50	U	50	< 50	U	50	< 50	U	50	< 50	U	50	< 50	U	50	< 50	U	50
Copper	ug/l	1300	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Iron	ug/l	300	< 100	U	100	< 100	U	100	185	J	100	261	J	100	**919**	J	100	228	J	100	214	J	100
Lead	ug/l	5	< 3	U	3	< 3	U	3	< 3	U	3	< 3	U	3	< 3	U	3	< 3	U	3	< 3	U	3
Magnesium	ug/l	NS	17000		5000	13300		5000	< 5000	U	5000	< 5000	J	5000	< 5000	U	5000	< 5000	U	5000	< 5000	U	5000
Manganese	ug/l	50	**112**		15	**54.2**		15	< 15	UJ	15	< 15	U	15	31.9	J	15	**115**	J	15	**113**	J	15
Mercury	ug/l	2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2
Nickel	ug/l	100	< 40	U	40	< 40	U	40	< 40	U	40	< 40	U	40	< 40	U	40	< 40	U	40	< 40	U	40
Potassium	ug/l	NS	< 5000	U	5000	< 5000	U	5000	< 5000	U	5000	13600	J	5000	6400	J	5000	< 5000	U	5000	< 5000	U	5000
Selenium	ug/l	40	< 5	U	5	< 5	U	5	5.4		5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Silver	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Sodium	ug/l	50000	**62300**		5000	**63700**		5000	24400		5000	20200		5000	14900		5000	**130000**		5000	**126000**		5000
Thallium	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Vanadium	ug/l	NS	< 50	U	50	< 50	U	50	< 50	U	50	< 50	U	50	< 50	U	50	< 50	U	50	< 50	U	50
Zinc	ug/l	2000	< 20	U	20	< 20	U	20	55.2		20	< 20	U	20	30.7		20	< 20	U	20	< 20	U	20

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-5D			MW-5D			MW-7D			RMW-8D			RMW-11D			RMW-12D			RMW-13D		
		Sample Date:	07/05/2007			07/05/2007			07/05/2007			06/28/2007			07/02/2007			06/29/2007			06/29/2007		
		Sample Type:	FD			N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Aldrin	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-BHC	ug/l	0.02	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Endosulfan	ug/l	40	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Aroclor 1016	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1221	ug/l	NS	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
Aroclor 1232	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1242	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1248	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1254	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1260	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
beta-BHC	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	J	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Endosulfan	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDD	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDE	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDT	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
delta-BHC	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Dieldrin	ug/l	0.03	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endosulfan Sulfate	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin	ug/l	2	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Aldehyde	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Ketone	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
gamma-BHC	ug/l	0.03	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Heptachlor	ug/l	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Heptachlor Epoxide	ug/l	0.2	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Methoxychlor	ug/l	40	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Toxaphene	ug/l	2	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-5D			MW-7D			MW-8R			RMW-8D			RMW-11D			MW-11R			RMW-12D			RMW-13D		
		Sample Date:	07/05/2007			07/05/2007			06/27/2007			06/28/2007			07/02/2007			07/02/2007			06/29/2007			06/29/2007		
		Sample Type:	N			N			N			N			N			N			N			FD		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Alkalinity, Total	mg/l	NS	25.3		10	27.5		10	35.2		10	30.4		10	34.7		10	58.5		10	49.1		10	41.1		10
Chloride	mg/l	250	**350**		2	38.8		2	**828**		2	23.5		2	22.3		10	24.1		2	67.8		10	242		4
Ethane	mg/l	NS	0.0022		0.025	0.000021	J	0.025	0.001		0.025	0.000026		0.025	0.000031		0.025	0.00014		0.025	0.000027		0.025	0.00026		0.025
Ethene	mg/l	NS	0.02		0.025	0.000027		0.025	0.000019	J	0.025	0.000029		0.025	0.00004		0.025	0.00014		0.025	0.000011	J	0.025	0.0011		0.025
Methane	mg/l	NS	0.15		0.1	0.0062		0.1	0.094		0.1	0.035		0.1	0.0082		0.1	0.4		0.1	0.0033		0.1	0.031		0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	< 0.25	U	0.25	< 0.25	U	0.25	< 0.05	U	0.05	1.45		0.05	0.395		0.25	< 0.05	U	0.05	< 0.25	U	0.25	< 0.25	U	0.25
Nitrogen, Total Kjeldahl	mg/l	NS	0.287		0.25	< 0.25	U	0.25	0.58		0.25	0.774		0.25	< 0.25	U	0.25	0.202	J	0.25	< 0.25	U	0.25	0.751		0.25
Phosphorus	mg/l	NS	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	0.0997	J	0.25
Sulfate	mg/l	250	**300**		5	**329**		5	**278**		5	37		5	7.89		5	10.4		5	16		5	44.8		5
Sulfide	mg/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Total Organic Carbon	mg/l	NS	2.48	J	5	< 5	U	5	2.52	J	5	1.98	J	5	4.59	J	5	5.09		5	2.96	J	5	4.83	J	5

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	RMW-13D			MW-13R			MW-14D			MW-14R			MW-16D			MW-17D			MW-18D			MW-19D			MW-19R		
		Sample Date:	06/29/2007			06/29/2007			07/02/2007			06/27/2007			07/02/2007			06/27/2007			06/27/2007			06/26/2007			06/26/2007		
		Sample Type:	N			N			N			N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Alkalinity, Total	mg/l	NS	41.1		10	38.7		10	20		10	12.8		10	11.3		10	160		10	125		10	55.1		10	25.8		10
Chloride	mg/l	250	237		10	**890**		10	132		2	96.9		2	**532**		8	**489**		2	**557**		2	29.5		2	23.1		2
Ethane	mg/l	NS	0.00029		0.025	0.017		0.025	0.000055		0.025	0.000029		0.025	0.000019	J	0.025	0.00027		0.025	0.00036		0.025	0.000022	J	0.025	0.00024		0.025
Ethene	mg/l	NS	0.0012		0.025	0.0021		0.025	0.00022		0.025	0.000021	J	0.025	0.000081		0.025	0.000024	J	0.025	0.000021	J	0.025	0.000017	J	0.025	0.00024		0.025
Methane	mg/l	NS	0.038		0.1	1.2		0.1	0.011		0.1	0.02		0.1	0.082		0.1	0.019		0.1	0.015		0.1	0.00061		0.1	0.0072		0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	< 0.25	U	0.25	< 0.05	U	0.05	< 0.25	U	0.25	< 0.05	U	0.05	< 0.25	U	0.25	< 0.25	U	0.25	0.26		0.05	0.695		0.05	< 0.05	U	0.05
Nitrogen, Total Kjeldahl	mg/l	NS	0.684		0.25	1.27		0.25	0.169	J	0.25	< 0.25	U	0.25	0.443		0.25	0.155	J	0.25	0.624		0.25	< 0.25	U	0.25	0.119	J	0.25
Phosphorus	mg/l	NS	< 0.25	U	0.25	0.131	J	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25
Sulfate	mg/l	250	39		5	47.1		5	**294**		5	**407**		5	178		5	185		5	194		5	26.3		5	21.6		5
Sulfide	mg/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Total Organic Carbon	mg/l	NS	4.94	J	5	7.79		5	< 5	U	5	< 5	U	5	< 5	U	5	7.07		5	2.45	J	5	2.02	J	5	3.29	J	5

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-20D			MW-20R			MW-21D			MW-22D			MW-23R			MW-24D			MW-24R			MW-25D			MW-25R		
		Sample Date:	06/27/2007			06/27/2007			06/28/2007			06/28/2007			07/02/2007			06/26/2007			06/27/2007			06/25/2007			06/25/2007		
		Sample Type:	N			N			N			N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Alkalinity, Total	mg/l	NS	22.7		10	18		10	446		10	18.9		10	57.2		10	32.6		10	103		10	28.5		10	16.2		10
Chloride	mg/l	250	**340**		2	97.9		2	**2830**		40	**1940**		20	7.37		2	43.4		2	54		2	**297**		4	19.6		2
Ethane	mg/l	NS	0.00078		0.025	0.000013	J	0.025	0.14		0.025	0.023		0.025	0.00048		0.025	0.0002		0.025	0.001		0.025	0.0002		0.025	0.0011		0.025
Ethene	mg/l	NS	0.0098		0.025	0.000017	J	0.025	1.3		0.1	0.0023		0.025	0.00023		0.025	0.0001		0.025	0.00064		0.025	0.00031		0.025	0.00055		0.025
Methane	mg/l	NS	0.05		0.1	0.0035		0.1	5.6		0.12	0.93		0.1	0.0026		0.1	0.035		0.1	0.092		0.1	0.05		0.1	0.0019		0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	< 0.25	U	0.25	< 0.05	U	0.05	< 0.25	U	0.25	< 0.25	U	0.25	< 0.05	U	0.05	< 0.25	U	0.25	< 0.05	U	0.05	< 0.25	U	0.25	< 0.05	U	0.05
Nitrogen, Total Kjeldahl	mg/l	NS	0.29		0.25	0.201	J	0.25	2.7		0.25	0.668		0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	0.576		0.25	< 0.25	U	0.25
Phosphorus	mg/l	NS	< 0.25	U	0.25	< 0.25	U	0.25	0.155	J	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	0.093	J	0.25	< 0.25	U	0.25
Sulfate	mg/l	250	**269**		5	**306**		5	13.6		5	194		5	98.5		5	223		5	**309**		5	219		10	219		5
Sulfide	mg/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Total Organic Carbon	mg/l	NS	< 5	U	5	6.41		5	15.2		5	10.8		5	< 5	U	5	< 5	U	5	1.84	J	5	< 5	U	5	3.19	J	5

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

Summary of Organics Analyses
216 Paterson Plan Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-26D			MW-27R			MW-27R			MW-28R		
		Sample Date:	06/26/2007			06/26/2007			06/26/2007			06/28/2007		
		Sample Type:	N			FD			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Alkalinity, Total	mg/l	NS	39.3		10	435		10	426		10	21.3		10
Chloride	mg/l	250	105		2	38		2	37.8		2	249		4
Ethane	mg/l	NS	0.00015		0.025	0.00086		0.025	0.00076		0.025	0.0011		0.025
Ethene	mg/l	NS	0.00019		0.025	0.00048		0.025	0.00045		0.025	0.00036		0.025
Methane	mg/l	NS	0.021		0.1	0.002		0.1	0.0019		0.1	0.082		0.1
Nitrogen, Nitrate-Nitrite	mg/l	10	< 0.25	U	0.25	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Nitrogen, Total Kjeldahl	mg/l	NS	0.249	J	0.25	1.04		0.25	1.06		0.25	0.383		0.25
Phosphorus	mg/l	NS	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25	< 0.25	U	0.25
Sulfate	mg/l	250	**300**		5	**494**		5	**498**		5	**382**		5
Sulfide	mg/l	NS	< 1	U	1	2.6		1	2.8		1	< 1	U	1
Total Organic Carbon	mg/l	NS	6.77		5	6.91		5	7.04		5	< 5	U	5

Results that exceed the higher of the NJDEP PQL or the NJDEP Groundwater Quality Standards for Class II-A aquifers are shown in bold font.

HISTORICAL DETECTION SUMMARY TABLES

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-8R			MW-8R			MW-8R			MW-8R			MW-10R			MW-10R			MW-10R		
		Sample Date:	09/19/1996			10/20/1998			09/17/2002			06/27/2007			09/20/1996			10/22/1998			09/19/2002		
		Sample ID:	N			N			N			N			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																					
Benzene	1	ug/l																					
2-Butanone	300	ug/l																					
Carbon Disulfide	700	ug/l										0.1	J	0.5									
Chlorobenzene	50	ug/l																					
Chloroform	70	ug/l	5	J	10	1	J	10				0.45	J	0.5	7	J	10	3	J	10			
Chloromethane	NS	ug/l																					
cis-1,2-Dichloroethene	70	ug/l		NA								0.19	J	0.5		NA							
1,2-Dichlorobenzene	600	ug/l		NA			NA									NA			NA				
1,4-Dichlorobenzene	75	ug/l		NA			NA					0.16	J	0.5		NA			NA				
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA						NA			NA			NA	
1,2-Dichloroethane	2	ug/l																			1		0.5
1,1-Dichloroethane	50	ug/l				1	J	10	1		0.5	1.3		0.5									
1,1-Dichloroethene	1	ug/l																					
1,2-Dichloroethene, Total	NS	ug/l					NA			NA			NA						NA			NA	
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA	
Freon 113	NS	ug/l		NA			NA			NA						NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA		0.45	J	0.5		NA			NA			NA	
4-Methyl-2-pentanone	NS	ug/l																					
Methylene Chloride	3	ug/l													1	J	10						
Tetrachloroethene	1	ug/l																					
Toluene	600	ug/l	3	J	10																		
trans-1,2-Dichloroethene	100	ug/l		NA												NA							
1,1,1-Trichloroethane	30	ug/l																					
Trichloroethene	1	ug/l										0.12	J	0.5									
Vinyl Chloride	1	ug/l																					
Xylenes, Total	1000	ug/l																					

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate Sample
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-11R			MW-11R			MW-11R			MW-11R			MW-11R			MW-11R			MW-13R		
		Sample Date:	09/24/1996			10/28/1998			12/17/1998			12/17/1998			09/24/2002			07/02/2007			10/23/1998		
		Sample ID:	N			N			FD			N			N			N			N		
Parameter	**GWQS**	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	6000	ug/l																					
Benzene	1	ug/l													1		0.5						
2-Butanone	300	ug/l																					
Carbon Disulfide	700	ug/l																					
Chlorobenzene	50	ug/l													0.8		0.5						
Chloroform	70	ug/l	10	J	10	7	J	50	8	J	10	8	J	10	2		0.5				**270**		100
Chloromethane	NS	ug/l																					
cis-1,2-Dichloroethene	70	ug/l		NA		**170**		50	**180**		10	**180**		10	**85**		8	2.3		0.5	**1400**		100
1,2-Dichlorobenzene	600	ug/l		NA			NA			NA			NA									NA	
1,4-Dichlorobenzene	75	ug/l		NA			NA			NA			NA									NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA						NA	
1,2-Dichloroethane	2	ug/l	**9**	J	10	**59**		50	**66**		10	**63**		10	**46**		8	0.89		0.5	**96**	J	100
1,1-Dichloroethane	50	ug/l	2	J	10	9	J	50	10	J	10	9	J	10	6		0.5	0.16	J	0.5	43	J	100
1,1-Dichloroethene	1	ug/l	**3**	J	10	**19**	J	50	**19**	J	10	**19**	J	10	**13**		0.5				**140**		100
1,2-Dichloroethene, Total	NS	ug/l	24		10		NA			NA			NA			NA			NA			NA	
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA						NA	
Freon 113	NS	ug/l		NA			NA			NA			NA			NA						NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA						NA	
4-Methyl-2-pentanone	NS	ug/l																					
Methylene Chloride	3	ug/l				**6**	J	50															
Tetrachloroethene	1	ug/l	**50**		10	**590**		50	**580**		10	**550**		10	**260**		8	**5.6**		0.5	**350**		100
Toluene	600	ug/l																					
trans-1,2-Dichloroethene	100	ug/l		NA		2	J	50							2		0.5	0.35	J	0.5	11	J	100
1,1,1-Trichloroethane	30	ug/l	1	J	10	5	J	50	6	J	10	6	J	10	1		0.5				**41**	J	100
Trichloroethene	1	ug/l	**56**		10	**420**		50	**430**		10	**410**		10	**210**	J	8	**7.5**		0.5	**1800**		100
Vinyl Chloride	1	ug/l													1		0.5				**26**	J	100
Xylenes, Total	1000	ug/l																					

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate Sample
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-13R			MW-13R			MW-13R			MW-14R			MW-14R			MW-14R			MW-14R		
		Sample Date:	09/23/2002			01/02/2003			06/29/2007			09/23/1996			09/23/1996			10/28/1998			09/18/2002		
		Sample ID:	N			N			N			FD			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																					
Benzene	1	ug/l				1		0.5	**1.2**		0.5												
2-Butanone	300	ug/l							5.1	J	5												
Carbon Disulfide	700	ug/l							0.13	J	0.5												
Chlorobenzene	50	ug/l							1.3		0.5												
Chloroform	70	ug/l	2		0.5	0.5		0.5	22		0.5												
Chloromethane	NS	ug/l																					
cis-1,2-Dichloroethene	70	ug/l	10		0.5	3		0.5	**140**		0.5		NA			NA							
1,2-Dichlorobenzene	600	ug/l											NA			NA			NA				
1,4-Dichlorobenzene	75	ug/l											NA			NA			NA				
Dichlorodifluoromethane	1000	ug/l		NA			NA						NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l	0.9		0.5				**9.9**		0.5												
1,1-Dichloroethane	50	ug/l	0.3	J	0.5				5.7		0.5												
1,1-Dichloroethene	1	ug/l	0.9		0.5	0.3	J	0.5	**24**		0.5												
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA									NA			NA	
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA		0.85	J	2		NA			NA			NA			NA	
Freon 113	NS	ug/l		NA			NA		3.7		0.5		NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA		0.16	J	0.5		NA			NA			NA			NA	
4-Methyl-2-pentanone	NS	ug/l																					
Methylene Chloride	3	ug/l																					
Tetrachloroethene	1	ug/l	**2**		0.5	0.6		0.5	**29**		0.5												
Toluene	600	ug/l				0.3	J	0.5															
trans-1,2-Dichloroethene	100	ug/l	0.8		0.5				0.73	J	0.5		NA			NA							
1,1,1-Trichloroethane	30	ug/l							0.66		0.5												
Trichloroethene	1	ug/l	**14**		0.5	**3**		0.5	**230**		0.5				1	J	10	**2**	J	10			
Vinyl Chloride	1	ug/l	0.2	J	0.5				**86**		0.5												
Xylenes, Total	1000	ug/l																					

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate Sample
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-14R			MW-15R			MW-19R			MW-19R			MW-19R			MW-19R			MW-20R		
		Sample Date:	06/27/2007			09/25/2002			09/18/2002			09/18/2002			12/21/2006			06/26/2007			10/26/1998		
		Sample ID:	N			N			FD			N			N			N			FD		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																					
Benzene	1	ug/l										0.2	J	0.5									
2-Butanone	300	ug/l										4	J	10							3	J	10
Carbon Disulfide	700	ug/l	0.11	J	0.5																7	J	10
Chlorobenzene	50	ug/l																					
Chloroform	70	ug/l													2	J	10						
Chloromethane	NS	ug/l				0.3	J	0.5															
cis-1,2-Dichloroethene	70	ug/l	0.46	J	0.5	0.2	J	0.5	3		0.5	2		0.5	41		10	2		0.5			
1,2-Dichlorobenzene	600	ug/l																				NA	
1,4-Dichlorobenzene	75	ug/l																				NA	
Dichlorodifluoromethane	1000	ug/l					NA			NA			NA									NA	
1,2-Dichloroethane	2	ug/l							0.8		0.5	0.6		0.5	**9**	J	10						
1,1-Dichloroethane	50	ug/l							0.4	J	0.5	0.3	J	0.5	4	J	10	0.19	J	0.5			
1,1-Dichloroethene	1	ug/l							1		0.5	0.7		0.5	**9**	J	10						
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA	
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA		4		2		NA			NA	
Freon 113	NS	ug/l					NA			NA			NA		4	J	10	0.23	J	0.5		NA	
Methyl tert-Butyl Ether	70	ug/l					NA			NA			NA									NA	
4-Methyl-2-pentanone	NS	ug/l																					
Methylene Chloride	3	ug/l																					
Tetrachloroethene	1	ug/l				0.3	J	0.5	**2**		0.5	1		0.5	**27**		10	**1.2**		0.5			
Toluene	600	ug/l																					
trans-1,2-Dichloroethene	100	ug/l																					
1,1,1-Trichloroethane	30	ug/l							0.5		0.5	0.2	J	0.5									
Trichloroethene	1	ug/l	0.28	J	0.5				**16**		0.5	**9**		0.5	**120**		10	**5.7**		0.5			
Vinyl Chloride	1	ug/l																					
Xylenes, Total	1000	ug/l																					

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate Sample
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-20R			MW-20R			MW-20R			MW-20R			MW-23R			MW-23R			MW-24R		
		Sample Date:	10/26/1998			10/24/2002			12/21/2006			06/27/2007			09/26/2002			07/02/2007			06/27/2007		
		Sample ID:	N			N			N			N			N			N			N		
Parameter	**GWQS**	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	6000	ug/l																			55	J	5
Benzene	1	ug/l				0.3	J	0.5										0.1	J	0.5	0.16	J	0.5
2-Butanone	300	ug/l																					
Carbon Disulfide	700	ug/l	6	J	10	0.4	J	0.5													0.15	J	0.5
Chlorobenzene	50	ug/l																					
Chloroform	70	ug/l				0.2	J	0.5													0.53		0.5
Chloromethane	NS	ug/l																					
cis-1,2-Dichloroethene	70	ug/l				0.4	J	0.5				0.23	J	0.5	0.4	J	0.5	0.16	J	0.5	2.5		0.5
1,2-Dichlorobenzene	600	ug/l		NA																	0.11	J	0.5
1,4-Dichlorobenzene	75	ug/l		NA																	0.15	J	0.5
Dichlorodifluoromethane	1000	ug/l		NA			NA									NA					0.53		0.5
1,2-Dichloroethane	2	ug/l																			1.6		0.5
1,1-Dichloroethane	50	ug/l																			0.59		0.5
1,1-Dichloroethene	1	ug/l													0.4	J	0.5				0.47	J	0.5
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA	
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA						NA			NA					0.67	J	2
Freon 113	NS	ug/l		NA			NA									NA					0.63		0.5
Methyl tert-Butyl Ether	70	ug/l		NA			NA									NA							
4-Methyl-2-pentanone	NS	ug/l																					
Methylene Chloride	3	ug/l																					
Tetrachloroethene	1	ug/l													0.8	J	0.5	0.26	J	0.5	**2.8**		0.5
Toluene	600	ug/l																					
trans-1,2-Dichloroethene	100	ug/l													0.4	J	0.5						
1,1,1-Trichloroethane	30	ug/l																					
Trichloroethene	1	ug/l				0.3	J	0.5				0.56		0.5	**5**	J	0.5	**1.5**		0.5	**6.8**		0.5
Vinyl Chloride	1	ug/l																					
Xylenes, Total	1000	ug/l																					

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate Sample
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-25R			MW-27R			MW-27R			MW-28R		
		Sample Date:	06/25/2007			06/26/2007			06/26/2007			06/28/2007		
		Sample ID:	N			FD			N			N		
Parameter	**GWQS**	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	6000	ug/l												
Benzene	1	ug/l				0.13	J	0.5						
2-Butanone	300	ug/l												
Carbon Disulfide	700	ug/l										0.15	J	0.5
Chlorobenzene	50	ug/l												
Chloroform	70	ug/l				0.89		0.5	1		0.5			
Chloromethane	NS	ug/l												
cis-1,2-Dichloroethene	70	ug/l										0.16	J	0.5
1,2-Dichlorobenzene	600	ug/l												
1,4-Dichlorobenzene	75	ug/l												
Dichlorodifluoromethane	1000	ug/l												
1,2-Dichloroethane	2	ug/l												
1,1-Dichloroethane	50	ug/l												
1,1-Dichloroethene	1	ug/l												
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA	
1,3-Dichloropropene*	1	ug/l	0			0			0			0		
1,4-Dioxane	NS	ug/l										1.8	J	2
Freon 113	NS	ug/l												
Methyl tert-Butyl Ether	70	ug/l												
4-Methyl-2-pentanone	NS	ug/l				1.6	J	5						
Methylene Chloride	3	ug/l												
Tetrachloroethene	1	ug/l	0.1	J	0.5									
Toluene	600	ug/l												
trans-1,2-Dichloroethene	100	ug/l												
1,1,1-Trichloroethane	30	ug/l												
Trichloroethene	1	ug/l	0.14	J	0.5	0.13	J	0.5	0.15	J	0.5			
Vinyl Chloride	1	ug/l												
Xylenes, Total	1000	ug/l				0.59		0.5	0.91		0.5			

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate Sample
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-8R			MW-8R			MW-8R			MW-8R			MW-10R			MW-10R		
		Sample Date:	09/19/1996			10/20/1998			09/17/2002			06/27/2007			09/20/1996			10/22/1998		
		Sample Type:	N			N			N			N			N			N		
Parameter	**GWQS***	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Benzo[a]anthracene	NS	ug/l																		
Benzo[a]pyrene	NS	ug/l																		
Benzo[b]fluoranthene	NS	ug/l																		
Benzo[g,h,i]perylene	NS	ug/l																		
Benzo[k]fluoranthene	NS	ug/l																		
Bis(2-ethylhexyl) Phthalate	NS	ug/l										7	J	10						
Chrysene	5	ug/l																		
2,6-Dinitrotoluene	NS	ug/l																		
Di-n-octyl Phthalate	100	ug/l																		
Fluoranthene	300	ug/l																		
Indeno[1,2,3-cd]pyrene	0.2	ug/l																		
4-Methylphenol	NS	ug/l																		
Pentachlorophenol	0.3	ug/l																		
Phenanthrene	NS	ug/l																		
Phenol	2000	ug/l																		
Pyrene	200	ug/l																		

Blank cell = Not Detected
NS: No Standard Available
N = Primary Field Sample
FD = Field Duplicate Sample
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-10R			MW-11R			MW-11R			MW-11R			MW-11R			MW-11R		
		Sample Date:	09/19/2002			09/24/1996			10/28/1998			10/28/1998			09/24/2002			07/02/2007		
		Sample Type:	N			N			FD			N			N			N		
Parameter	**GWQS***	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Benzo[a]anthracene	NS	ug/l																		
Benzo[a]pyrene	NS	ug/l																		
Benzo[b]fluoranthene	NS	ug/l																		
Benzo[g,h,i]perylene	NS	ug/l																		
Benzo[k]fluoranthene	NS	ug/l																		
Bis(2-ethylhexyl) Phthalate	NS	ug/l																		
Chrysene	5	ug/l																		
2,6-Dinitrotoluene	NS	ug/l																		
Di-n-octyl Phthalate	100	ug/l																		
Fluoranthene	300	ug/l																		
Indeno[1,2,3-cd]pyrene	0.2	ug/l																		
4-Methylphenol	NS	ug/l																		
Pentachlorophenol	0.3	ug/l																		
Phenanthrene	NS	ug/l													0.3	J	10			
Phenol	2000	ug/l				19		10												
Pyrene	200	ug/l																		

Blank cell = Not Detected
NS: No Standard Available
N = Primary Field Sample
FD = Field Duplicate Sample
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-13R			MW-13R			MW-13R			MW-13R			MW-14R			MW-14R		
		Sample Date:	10/23/1998			09/23/2002			01/02/2003			07/05/2007			09/23/1996			09/23/1996		
		Sample Type:	N			N			N			N			FD			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Benzo[a]anthracene	NS	ug/l							0.2	J	10									
Benzo[a]pyrene	NS	ug/l							0.4	J	10									
Benzo[b]fluoranthene	NS	ug/l							0.6	J	10									
Benzo[g,h,i]perylene	NS	ug/l							0.6	J	10									
Benzo[k]fluoranthene	NS	ug/l							0.5	J	10									
Bis(2-ethylhexyl) Phthalate	NS	ug/l				0.7	J	10												
Chrysene	5	ug/l							0.8	J	10									
2,6-Dinitrotoluene	NS	ug/l																		
Di-n-octyl Phthalate	100	ug/l							0.8	J	10									
Fluoranthene	300	ug/l							0.6	J	10									
Indeno[1,2,3-cd]pyrene	0.2	ug/l							0.4	J	10									
4-Methylphenol	NS	ug/l							0.5	J	10									
Pentachlorophenol	0.3	ug/l							1	J	25									
Phenanthrene	NS	ug/l							0.3	J	10									
Phenol	2000	ug/l							2	J	10									
Pyrene	200	ug/l							0.9	J	10							1	JN	10

Blank cell = Not Detected
NS: No Standard Available
N = Primary Field Sample
FD = Field Duplicate Sample
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-14R			MW-14R			MW-14R			MW-15R			MW-19R			MW-19R		
		Sample Date:	10/28/1998			09/18/2002			06/27/2007			09/25/2002			09/18/2002			09/18/2002		
		Sample Type:	N			N			N			N			FD			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Benzo[a]anthracene	NS	ug/l																		
Benzo[a]pyrene	NS	ug/l																		
Benzo[b]fluoranthene	NS	ug/l																		
Benzo[g,h,i]perylene	NS	ug/l																		
Benzo[k]fluoranthene	NS	ug/l																		
Bis(2-ethylhexyl) Phthalate	NS	ug/l										0.6	J	10						
Chrysene	5	ug/l																		
2,6-Dinitrotoluene	NS	ug/l																		
Di-n-octyl Phthalate	100	ug/l																		
Fluoranthene	300	ug/l																		
Indeno[1,2,3-cd]pyrene	0.2	ug/l																		
4-Methylphenol	NS	ug/l				0.7	J	10												
Pentachlorophenol	0.3	ug/l																		
Phenanthrene	NS	ug/l																		
Phenol	2000	ug/l																1	J	10
Pyrene	200	ug/l																		

Blank cell = Not Detected
NS: No Standard Available
N = Primary Field Sample
FD = Field Duplicate Sample
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-19R			MW-20R			MW-20R			MW-20R			MW-20R			MW-23R		
		Sample Date:	06/26/2007			10/26/1998			10/26/1998			10/24/2002			06/27/2007			09/26/2002		
		Sample Type:	N			FD			N			N			N			N		
Parameter	**GWQS***	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Benzo[a]anthracene	NS	ug/l																		
Benzo[a]pyrene	NS	ug/l																		
Benzo[b]fluoranthene	NS	ug/l																		
Benzo[g,h,i]perylene	NS	ug/l																		
Benzo[k]fluoranthene	NS	ug/l																		
Bis(2-ethylhexyl) Phthalate	NS	ug/l				2	J	10												
Chrysene	5	ug/l																		
2,6-Dinitrotoluene	NS	ug/l										1	J	10						
Di-n-octyl Phthalate	100	ug/l																		
Fluoranthene	300	ug/l																		
Indeno[1,2,3-cd]pyrene	0.2	ug/l																		
4-Methylphenol	NS	ug/l																		
Pentachlorophenol	0.3	ug/l																		
Phenanthrene	NS	ug/l																		
Phenol	2000	ug/l				8	JN	10	9	JN	10									
Pyrene	200	ug/l																		

Blank cell = Not Detected
NS: No Standard Available
N = Primary Field Sample
FD = Field Duplicate Sample
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-23R			MW-24R			MW-25R			MW-27R			MW-27R			MW-28R		
		Sample Date:	07/02/2007			06/27/2007			06/25/2007			06/26/2007			06/26/2007			06/28/2007		
		Sample Type:	N			N			N			FD			N			N		
Parameter	**GWQS***	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Benzo[a]anthracene	NS	ug/l																		
Benzo[a]pyrene	NS	ug/l																		
Benzo[b]fluoranthene	NS	ug/l																		
Benzo[g,h,i]perylene	NS	ug/l																		
Benzo[k]fluoranthene	NS	ug/l																		
Bis(2-ethylhexyl) Phthalate	NS	ug/l																		
Chrysene	5	ug/l																		
2,6-Dinitrotoluene	NS	ug/l																		
Di-n-octyl Phthalate	100	ug/l																		
Fluoranthene	300	ug/l				3	J	10												
Indeno[1,2,3-cd]pyrene	0.2	ug/l																		
4-Methylphenol	NS	ug/l																		
Pentachlorophenol	0.3	ug/l																		
Phenanthrene	NS	ug/l				2	J	10												
Phenol	2000	ug/l																		
Pyrene	200	ug/l				2	J	10												

Blank cell = Not Detected
NS: No Standard Available
N = Primary Field Sample
FD = Field Duplicate Sample
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-8R			MW-8R			MW-8R			MW-10R			MW-10R			MW-10R			MW-11R		
		Sample Date:	09/19/1996			10/20/1998			09/17/2002			09/20/1996			10/22/1998			09/19/2002			09/24/1996		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
delta-BHC	ug/l	NS																					

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-11R			MW-11R			MW-11R			MW-13R			MW-13R			MW-13R			MW-14R		
		Sample Date:	10/28/1998			10/28/1998			09/24/2002			10/23/1998			09/23/2002			01/02/2003			09/23/1996		
		Sample Type:	FD			N			N			N			N			N			FD		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
delta-BHC	ug/l	NS																					

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-14R			MW-14R			MW-14R			MW-15R			MW-19R			MW-19R			MW-20R		
		Sample Date:	09/23/1996			10/28/1998			09/18/2002			09/25/2002			09/18/2002			09/18/2002			10/26/1998		
		Sample Type:	N			N			N			N			FD			N			FD		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
delta-BHC	ug/l	NS																			0.012	J	0.05

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-20R			MW-20R			MW-23R		
		Sample Date:	10/26/1998			10/24/2002			09/26/2002		
		Sample Type:	N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
delta-BHC	ug/l	NS	0.013	J	0.05						

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Detected Validated Analytical Results
Inorganics

		Location ID:	MW-8R			MW-8R			MW-8R			MW-8R			MW-10R			MW-10R		
		Sample Date:	09/19/1996			10/20/1998			10/20/1998			09/17/2002			09/20/1996			10/22/1998		
		Sample Type:	N			FD			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	174	B	200	29.66	B	200	28	B	200	26.5	B	200	**348**		200	89.3	B	200
Antimony	ug/l	6							3.5	B	60									
Arsenic	ug/l	3				2.289	B	10				**3.3**	B	10						
Barium	ug/l	6000	73.4	B	200	40.85	B	200	45.5	B	200	31.4	B	200	25.7	B	200	22.7	B	200
Beryllium	ug/l	1																		
Cadmium	ug/l	4				3.715	B	5	**4.2**	B	5				0.31	B	5	1.5	B	5
Calcium	ug/l	NS	308000		5000	368200		5000	396000		5000	346000		5000	91900		5000	105000		5000
Chromium	ug/l	70	**163**		10							68.2		10	5.3	B	10			
Cobalt	ug/l	NS	0.57	B	50	0.95	B	50	1.4	B	50	3.1	B	50						
Copper	ug/l	1300	10.7	B	25	3.283	B	25	3.6	B	25	4.5	B	25	4.5	B	25	8.1	B	25
Cyanide	ug/l	100					NA			NA			NA						NA	
Iron	ug/l	300	114		100							147	J	100	**354**		100	**913**		100
Lead	ug/l	5										3.2	J	3						
Magnesium	ug/l	NS	14700		5000	41680		5000	44900		5000	58600		5000	4170	B	5000	1310	B	5000
Manganese	ug/l	50	6.6	B	15	16.02		15	17.5		15	39.5		15	14.9	B	15	**56**		15
Mercury	ug/l	2																		
Nickel	ug/l	100	15.7	B	40	29.17	B	40	31.9	B	40	25.8	B	40	6	B	40	15.1	B	40
Potassium	ug/l	NS	38800	J	5000	9252	J	5000	9940	J	5000	6090	J	5000	3840	J	5000	2830	J	5000
Selenium	ug/l	40							2.7	B	5									
Silver	ug/l	40				1.096	B	10	1	B	10									
Sodium	ug/l	50000	**144000**		5000	**138900**		5000	**147000**		5000	**156000**	J	5000	36700		5000	35900		5000
Thallium	ug/l	2							**3.8**	B	10									
Vanadium	ug/l	NS	4.2	B	50	1.111	B	50	1.7	B	50	1.5	B	50	28.3	B	50	41.4	B	50
Zinc	ug/l	2000	21.8	J	20	2.017	B	20	2	B	20	14.7	B	20	24.1	J	20	3.7	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by C.D.L. Date: 9/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Detected Validated Analytical Results
Inorganics

		Location ID:	MW-10R			MW-11R			MW-11R			MW-11R			MW-11R			MW-13R			MW-13R		
		Sample Date:	09/19/2002			09/24/1996			10/28/1998			10/28/1998			09/24/2002			10/23/1998			09/23/2002		
		Sample Type:	N			N			FD			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**202**		200	**361**		200	**212**		200	132	B	200	105	B	200	51.2	B	200	**205**		200
Antimony	ug/l	6										2.3	B	60									
Arsenic	ug/l	3																					
Barium	ug/l	6000	23.6	B	200	34.3	B	200	23.2	B	200	24.3	B	200	24.4	J	200	28.8	B	200	46.5	J	200
Beryllium	ug/l	1																					
Cadmium	ug/l	4							1	B	5	1.1	B	5				2.6	B	5			
Calcium	ug/l	NS	116000		5000	120000		5000	104000		5000	100000		5000	82300		5000	249000		5000	22000		5000
Chromium	ug/l	70	8.8	B	10	14		10	4.2	B	10	6.7	B	10				1.6	B	10	3.1	B	10
Cobalt	ug/l	NS							1.1	B	50	2.4	B	50									
Copper	ug/l	1300	2.4	B	25	10.4	B	25	2.1	B	25	2.1	B	25							2.9	B	25
Cyanide	ug/l	100		NA						NA			NA			NA			NA			NA	
Iron	ug/l	300	**866**	J	100	**362**		100	**5740**		100	**3710**		100	**3170**		100				**560**		100
Lead	ug/l	5	1.7		3	2.5	B	3										1.3	B	3	2.3	J	3
Magnesium	ug/l	NS	3640	B	5000	119	B	5000	3080	B	5000	3280	B	5000	2310	B	5000	16200		5000	2200	B	5000
Manganese	ug/l	50	34.2		15	3.7	B	15	**60.7**		15	41		15	15.9		15	**70.6**		15	**77.6**		15
Mercury	ug/l	2																					
Nickel	ug/l	100	5.4	B	40	4.3	B	40	5.6	B	40	6.8	B	40				8.3	B	40	2.4	B	40
Potassium	ug/l	NS	2300	J	5000	10100	J	5000	3470	J	5000	2860	J	5000	2610	J	5000	4410	J	5000	3670	J	5000
Selenium	ug/l	40	3.1	J	5																		
Silver	ug/l	40																					
Sodium	ug/l	50000	30400	J	5000	46300		5000	**61500**		5000	**61100**		5000	**58200**		5000	**79800**		5000	**78200**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	22.1	B	50	62.8		50	2.8	B	50	2.9	B	50	1.4	B	50	2.5	B	50	6.6	J	50
Zinc	ug/l	2000	4.7	B	20				15.4	J	20	8.3	J	20	12.5	B	20	5.3	B	20	13.8	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by C.D.L. Date: 9/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Detected Validated Analytical Results
Inorganics

		Location ID:	MW-13R			MW-14R			MW-14R			MW-14R			MW-14R			MW-15R			MW-19R		
		Sample Date:	01/02/2003			09/23/1996			09/23/1996			10/28/1998			09/18/2002			09/25/2002			09/18/2002		
		Sample Type:	N			FD			N			N			N			N			FD		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**885**		200	173	B	200	167	B	200	83.7	B	200							193	B	200
Antimony	ug/l	6	3.8	B	60																		
Arsenic	ug/l	3				2.6	B	10	3	B	10				3	B	10						
Barium	ug/l	6000	78	B	200	16.7	B	200	16	B	200	22.4	B	200	39.5	B	200	15	J	200	41.3	B	200
Beryllium	ug/l	1	0.15	B	5																		
Cadmium	ug/l	4				0.34	B	5				1.9	B	5									
Calcium	ug/l	NS	26400		5000	168000		5000	170000		5000	161000		5000	39500		5000	27700		5000	207000		5000
Chromium	ug/l	70	8	B	10	3.9	B	10	4	B	10	6.2	B	10	2.6	B	10	1.1	B	10	0.97	B	10
Cobalt	ug/l	NS										0.53	B	50	0.88	B	50				0.45	B	50
Copper	ug/l	1300	9.2	B	25	4.3	B	25	3.3	B	25	2.5	B	25							10.3	B	25
Cyanide	ug/l	100		NA									NA			NA			NA			NA	
Iron	ug/l	300	**3360**		100	**1310**		100	**1320**		100	**17200**		100	**2720**	J	100	**388**		100	259	J	100
Lead	ug/l	5	**8.6**		3																		
Magnesium	ug/l	NS	2540	B	5000	9300		5000	9760		5000	2730	B	5000	2040	B	5000	1660	B	5000	13000		5000
Manganese	ug/l	50	**85.3**		15	35.3		15	36.8		15	**145**		15	43.6		15	6.7	B	15	11.5	B	15
Mercury	ug/l	2																					
Nickel	ug/l	100	7.5	B	40	5.9	B	40	3.6	B	40	4.3	B	40	1.8	B	40	1.1	B	40	2.4	B	40
Potassium	ug/l	NS	4800	B	5000	2500	J	5000	2520	J	5000	4830	J	5000	2860	J	5000	6940	J	5000	14400	J	5000
Selenium	ug/l	40										3.8	B	5	3.7	J	5				2.3	J	5
Silver	ug/l	40													1	B	10						
Sodium	ug/l	50000	**283000**		5000	35400		5000	36000		5000	**89100**		5000	39300	J	5000	18800		5000	48000	J	5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	11.8	B	50	9.6	B	50	9.8	B	50	3	B	50	1.1	B	50	8.2	J	50	11.1	B	50
Zinc	ug/l	2000	74.8		20							104	J	20	69.6		20				2.6	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by C.D.L. Date: 9/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Detected Validated Analytical Results
Inorganics

		Location ID:	MW-19R			MW-20R			MW-20R			MW-20R			MW-23R		
		Sample Date:	09/18/2002			10/26/1998			10/26/1998			10/24/2002			09/26/2002		
		Sample Type:	N			FD			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**280**		200	78.4	B	200	83.5	B	200	72.9	B	200	158	B	200
Antimony	ug/l	6															
Arsenic	ug/l	3	3	B	10							**12.6**		10			
Barium	ug/l	6000	42.1	B	200	28.6	B	200	29	B	200	12.8	B	200	25.7	B	200
Beryllium	ug/l	1				0.21	B	5	0.21	B	5						
Cadmium	ug/l	4				1.4	B	5	1.3	B	5						
Calcium	ug/l	NS	182000		5000	125000		5000	125000		5000	9470		5000	132000		5000
Chromium	ug/l	70	0.62	B	10	2.2	B	10	2.5	B	10	8.3	B	10	7.3	B	10
Cobalt	ug/l	NS	0.85	B	50							7.7	B	50	0.69	B	50
Copper	ug/l	1300	15.4	B	25										0.86	B	25
Cyanide	ug/l	100		NA			NA			NA			NA			NA	
Iron	ug/l	300	**505**	J	100							**453**		100	**3150**		100
Lead	ug/l	5				0.99	B	3							1	B	3
Magnesium	ug/l	NS	9550		5000	1010	B	5000	970	B	5000	1380	B	5000	2350	B	5000
Manganese	ug/l	50	12.2	B	15	4.2	B	15	4.4	B	15	11.7	B	15	45.9		15
Mercury	ug/l	2															
Nickel	ug/l	100	3.1	B	40	3.9	B	40	3.8	B	40	6.4	B	40	3.6	B	40
Potassium	ug/l	NS	16200	J	5000	23200	J	5000	23400	J	5000	10200		5000	6070		5000
Selenium	ug/l	40	2.5	J	5												
Silver	ug/l	40															
Sodium	ug/l	50000	49500	J	5000	**70900**		5000	**71400**		5000	**58600**		5000	32800		5000
Thallium	ug/l	2															
Vanadium	ug/l	NS	13.8	B	50	6.5	B	50	6.2	B	50	3.7	B	50	22.4	B	50
Zinc	ug/l	2000	2.7	B	20										4.4	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by C.D.L. Date: 9/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-8R			MW-8R			MW-8R			MW-8R			MW-10R			MW-10R		
		Sample Date:	09/19/1996			10/20/1998			09/17/2002			06/27/2007			09/20/1996			10/22/1998		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	35.2		5	34.7		5	60		10	35.2		10	36.8		5	20.7		5
Chloride	mg/l	250	**635**		10	**790**		10	**915**		10	**828**		2	78.4		1	64.1		1
Ethane	mg/l	NS				0.001325		0.000005	0.00099		0.000005	0.001		0.00003				0.00004		0.000005
Ethene	mg/l	NS				0.000127		0.000005	0.000036		0.000005	0.000019	J	0.000025				0.000169		0.000005
Iron	mg/l	0.3					NA			NA			NA						NA	
Methane	mg/l	NS		NA		0.1		0.07	0.083		0.000015	0.094		0.0001		NA		0.00123		0.000015
Nitrate	mg/l	10		NA						NA			NA			NA		0.18		0.11
Nitrite	mg/l	1		NA						NA			NA			NA		0.029		0.01
Nitrogen, Nitrate-Nitrite	mg/l	10																0.21		0.1
Nitrogen, Total Kjeldahl	mg/l	NS	0.35		0.2		NA		0.692		0.2	0.58		0.25	0.21		0.2		NA	
Phosphorus	mg/l	NS					NA												NA	
Sulfate	mg/l	250	**251**		10	**282**		10	**290**		25	**278**		5	181		10	235		10
Sulfide	mg/l	NS																		
Total Organic Carbon	mg/l	NS	3.6		1	2.9		1				2.52	J	5	1.2		1			

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-10R			MW-11R			MW-11R			MW-11R			MW-11R			MW-11R		
		Sample Date:	09/19/2002			09/24/1996			10/28/1998			10/28/1998			09/24/2002			07/02/2007		
		Sample Type:	N			N			FD			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	20		10	121		5	30.5		5	50.7		5	54		10	58.5		10
Chloride	mg/l	250	112		2	60.5		1	108		1	119		1	130		2	24.1		2
Ethane	mg/l	NS	0.00016		0.000005				0.000638		0.000005	0.000673		0.000005	0.002		0.000005	0.00014		0.000025
Ethene	mg/l	NS	0.000074		0.000005				0.00094		0.000005	0.00097		0.000005	0.0045		0.000005	0.00014		0.000025
Iron	mg/l	0.3		NA						NA			NA			NA			NA	
Methane	mg/l	NS	0.0071		0.000015		NA		0.23		0.07	0.25		0.07	0.23		0.000015	0.4		0.0001
Nitrate	mg/l	10		NA			NA									NA			NA	
Nitrite	mg/l	1		NA			NA			NA						NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10																		
Nitrogen, Total Kjeldahl	mg/l	NS	0.2607		0.2	1.3		0.2		NA			NA		0.3656		0.2	0.202	J	0.25
Phosphorus	mg/l	NS								NA			NA		0.122		0.1			
Sulfate	mg/l	250	242		5	221		10	186		10	183		10	147		5	10.4		5
Sulfide	mg/l	NS				3		2												
Total Organic Carbon	mg/l	NS				5.3	J	1		NA			NA					5.09		5

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-13R			MW-13R			MW-13R			MW-13R			MW-14R		
		Sample Date:	10/23/1998			09/23/2002			01/02/2003			06/29/2007			09/23/1996		
		Sample Type:	N			N			N			N			FD		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	41.9		5	72		10	46		10	38.7		10	15.8		5
Chloride	mg/l	250	**512**		5	98.8		2	**414**		4	**890**		10	91.3		1
Ethane	mg/l	NS	0.002561		0.000005	0.0004		0.000005	0.000064		0.000005	0.017		0.000025			
Ethene	mg/l	NS	0.00641		0.000005	0.0005		0.000005	0.00012		0.000005	0.0021		0.000025			
Iron	mg/l	0.3		NA			NA			NA			NA				
Methane	mg/l	NS	0.17		0.07	0.049		0.000015	0.015		0.000015	1.2		0.0001		NA	
Nitrate	mg/l	10					NA			NA			NA			NA	
Nitrite	mg/l	1					NA			NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10															
Nitrogen, Total Kjeldahl	mg/l	NS		NA		0.9389		0.2	0.3264		0.25	1.27		0.25			
Phosphorus	mg/l	NS		NA		0.121		0.1				0.131	J	0.25			
Sulfate	mg/l	250	**256**		10	43.9		5	15.3		5	47.1		5	**379**		10
Sulfide	mg/l	NS							0.72		0.5						
Total Organic Carbon	mg/l	NS	2		1	7.12		5	7.38		5	7.79		5			

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-14R			MW-14R			MW-14R			MW-14R			MW-15R		
		Sample Date:	09/23/1996			10/28/1998			09/18/2002			06/27/2007			09/25/2002		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	16.4		5	32.1		5	24		10	12.8		10	96		10
Chloride	mg/l	250	90.3		1	199		5	113		2	96.9		2	34.8		2
Ethane	mg/l	NS				0.000272		0.000005	0.00011		0.000005	0.000029		0.000025	0.0013		0.000005
Ethene	mg/l	NS				0.000195		0.000005	0.00012		0.000005	0.000021	J	0.000025	0.00083		0.000005
Iron	mg/l	0.3					NA			NA			NA			NA	
Methane	mg/l	NS		NA		0.022		0.000015	0.65		0.000015	0.02		0.0001	0.094		0.000015
Nitrate	mg/l	10		NA						NA			NA			NA	
Nitrite	mg/l	1		NA						NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10															
Nitrogen, Total Kjeldahl	mg/l	NS					NA		1.338		0.2						
Phosphorus	mg/l	NS					NA		0.104		0.1				0.106		0.1
Sulfate	mg/l	250	**492**		10	**266**		10	49.2		5	**407**		5	157		5
Sulfide	mg/l	NS							0.68		0.5						
Total Organic Carbon	mg/l	NS					NA		11.12		5						

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-19R			MW-19R			MW-19R			MW-20R			MW-20R		
		Sample Date:	09/18/2002			09/18/2002			06/26/2007			10/26/1998			10/26/1998		
		Sample Type:	FD			N			N			FD			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	38	J	10	138	J	10	25.8		10	62.1		5	62.6		5
Chloride	mg/l	250	**332**		4	249		2	23.1		2	64.6		1	62.6		1
Ethane	mg/l	NS	0.00096		0.000005	0.00082		0.000005	0.00024		0.000025	0.000891		0.000005	0.000877		0.000005
Ethene	mg/l	NS	0.00088		0.000005	0.00082		0.000005	0.00024		0.000025	0.001915		0.000005	0.001899		0.000005
Iron	mg/l	0.3		NA			NA			NA			NA			NA	
Methane	mg/l	NS	0.013		0.000015	0.013		0.000015	0.0072		0.0001	0.00665		0.000015	0.00635		0.000015
Nitrate	mg/l	10		NA			NA			NA							
Nitrite	mg/l	1		NA			NA			NA							
Nitrogen, Nitrate-Nitrite	mg/l	10	0.26		0.05	0.305		0.05									
Nitrogen, Total Kjeldahl	mg/l	NS	0.7308		0.2	1.129		0.2	0.119	J	0.25		NA			NA	
Phosphorus	mg/l	NS											NA			NA	
Sulfate	mg/l	250	211		5	162		5	21.6		5	**368**		10	**369**		10
Sulfide	mg/l	NS															
Total Organic Carbon	mg/l	NS				10.17	J	5	3.29	J	5	6.4		1	6.2		1

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-20R			MW-20R			MW-23R			MW-23R			MW-24R		
		Sample Date:	10/24/2002			06/27/2007			09/26/2002			07/02/2007			06/27/2007		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	70		10	18		10	68		10	57.2		10	103		10
Chloride	mg/l	250	48.9	J	2	97.9		2	13		2	7.37		2	54		2
Ethane	mg/l	NS	0.00038		0.000005	0.000013	J	0.000025	0.0005		0.000005	0.00048		0.000025	0.001		0.00003
Ethene	mg/l	NS	0.00022		0.000005	0.000017	J	0.000025	0.00046		0.000005	0.00023		0.000025	0.00064		0.000025
Iron	mg/l	0.3		NA			NA			NA			NA			NA	
Methane	mg/l	NS	1.5		0.000015	0.0035		0.0001	0.0038		0.000015	0.0026		0.0001	0.092		0.0001
Nitrate	mg/l	10		NA			NA			NA			NA			NA	
Nitrite	mg/l	1		NA			NA			NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10							0.075		0.05						
Nitrogen, Total Kjeldahl	mg/l	NS	1.087		0.25	0.201	J	0.25									
Phosphorus	mg/l	NS															
Sulfate	mg/l	250	31.4		5	**306**		5	**310**		5	98.5		5	**309**		5
Sulfide	mg/l	NS	1.18	J	0.5												
Total Organic Carbon	mg/l	NS	43.2		2	6.41		5							1.84	J	5

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-25R			MW-27R			MW-27R			MW-28R		
		Sample Date:	06/25/2007			06/26/2007			06/26/2007			06/28/2007		
		Sample Type:	N			FD			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	16.2		10	435		10	426		10	21.3		10
Chloride	mg/l	250	19.6		2	38		2	37.8		2	249		4
Ethane	mg/l	NS	0.0011		0.000025	0.00086		0.000025	0.00076		0.000025	0.0011		0.000025
Ethene	mg/l	NS	0.00055		0.000025	0.00048		0.000025	0.00045		0.000025	0.00036		0.000025
Iron	mg/l	0.3		NA			NA			NA			NA	
Methane	mg/l	NS	0.0019		0.0001	0.002		0.0001	0.0019		0.0001	0.082		0.0001
Nitrate	mg/l	10		NA			NA			NA			NA	
Nitrite	mg/l	1		NA			NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10												
Nitrogen, Total Kjeldahl	mg/l	NS				1.04		0.25	1.06		0.25	0.383		0.25
Phosphorus	mg/l	NS												
Sulfate	mg/l	250	219		5	**494**		5	**498**		5	**382**		5
Sulfide	mg/l	NS				2.6		1	2.8		1			
Total Organic Carbon	mg/l	NS	3.19	J	5	6.91		5	7.04		5			

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D.L. Date: 9/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D		
		Sample Date:	07/19/1995			07/19/1995			11/10/1995			01/22/1996			04/17/1996			09/18/1996			12/10/1996			02/13/1997		
		Sample ID:	FD			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l				**20**	J	167																		
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l				23	J	167							7	J	68	19	J	167				17	J	167
Chloroethane	NS	ug/l													19	J	68									
Chloroform	70	ug/l	**140**	J	200	**140**	J	167	**130**	J	143	**86**	J	100	**94**		68	**160**	J	167	**140**	J	167	**170**		167
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l		NA			NA			NA			NA			NA			NA			NA		**810**		167
1,2-Dichlorobenzene	600	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l	**79**	J	200	**80**	J	167	**84**	J	143	**54**	J	100	**56**	J	68	**110**	J	167	**78**	J	167	**93**	J	167
1,1-Dichloroethane	50	ug/l	23	J	200	23	J	167	25	J	143	14	J	100	14	J	68	33	J	167	26	J	167	31	J	167
1,1-Dichloroethene	1	ug/l	**91**	J	200	**92**	J	167	**110**	J	143	**60**	J	100	**66**	J	68	**110**	J	167	**100**	J	167	**130**	J	167
1,2-Dichloroethene, Total	NS	ug/l	310		200	310		167	350		143	220		100	270		68	650		167	730		167		NA	
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l																								
Freon 113	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l	**80**	J,B	200	**71**	J,B	167	**170**	B	143	**19**	J	100	**9**	J,B	68	**22**	J	167						
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**510**		200	**500**		167	**540**		143	**320**		100	**350**		68	**900**		167	**510**		167	**610**		167
Toluene	600	ug/l				25	J	167	51	J	143															
trans-1,2-Dichloroethene	100	ug/l		NA			NA			NA			NA			NA			NA			NA				
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l	**62**	J	200	**61**	J	167	**76**	J	143	**44**	J	100	**41**	J	68	**68**	J	167	**55**	J	167	**78**	J	167
Trichloroethene	1	ug/l	**2000**		200	**1900**		167	**2100**		143	**1100**		100	**900**		68	**2500**		167	**1800**		167	**2300**		167
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l							**24**	J	143							**32**	J	167	**23**	J	167			
Xylenes, Total	1000	ug/l																								

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
0 in the res NA = Not Analyzed
and trans-1 Blank cell = Not Detected
N = Primary Field Sample
FD = Field Duplicate
NA = Not A NS: No Standard Available
Blank cell = GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D		
		Sample Date:	11/05/1997			10/27/1998			12/14/1999			12/07/2000			11/28/2001			09/24/2002			11/05/2003			11/16/2004		
		Sample ID:	N			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l										**9**	J	10	**9**	J	10				**11**		10	**12**		10
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l							17		10	19		10	21		10				19		10	21		10
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l	**180**	J	250	**140**	J	170	**150**		10	**160**		10	**180**		10	**140**		130	**190**	J	630	**180**		10
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	**910**		250	**760**		170	**650**		10	**780**		10	**860**		170	**720**		130	**920**	J	630	**920**		10
1,2-Dichlorobenzene	600	ug/l		NA			NA			NA			NA		3	J	10				3	J	10	3	J	10
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l	**85**	J	250	**72**	J	170	**87**		10	**79**		10	**89**		10	**67**	J	130	**86**		10	**99**	J	10
1,1-Dichloroethane	50	ug/l	30	J	250	26	J	170	30		10	30		10	36		10				42		10	37		10
1,1-Dichloroethene	1	ug/l	**110**	J	250	**89**	J	170	**120**		10	**140**		10	**160**		10	**110**	J	130	**320**	J	630	**180**		10
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloropropane	1	ug/l																			**2**	J	10			
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l							8	J	10	9	J	10	11		10				6	J	10	6	J	10
Freon 113	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l																			1	J	10			
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**890**		250	**410**		170	**430**	J	10	**580**		10	**670**		170	**720**		130	**1000**	J	630	**920**		10
Toluene	600	ug/l	28	J	250				14		10	11		10	12		10				6	J	10	4	J	10
trans-1,2-Dichloroethene	100	ug/l							2	J	10	4	J	10	2	J	10	100	J	130	3	J	10	2	J	10
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA			NA												NA	
1,1,2-Trichloroethane	3	ug/l										1	J	10												
1,1,1-Trichloroethane	30	ug/l	**56**	J	250	**40**	J	170	**37**		10	**43**		10	**43**		10				**35**		10	29		10
Trichloroethene	1	ug/l	**2600**		250	**2200**		170	**2100**		10	**2100**		10	**2700**		170	**2800**		130	**4100**	J	630	**3500**		10
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l				**31**	J	170	**46**		10	**71**		10	**91**		10	**43**	J	130				**52**	J	10
Xylenes, Total	1000	ug/l							17		10	17		10	19		10				11		10	13		10

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-7D			MW-7D			MW-7D			MW-7D		
		Sample Date:	11/09/2005			11/09/2005			11/07/2006			07/05/2007			07/20/1995			11/10/1995			01/22/1996			04/18/1996		
		Sample ID:	FD			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l	**11**		10	**12**		10	**12**		10	**15**		0.5												
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l	21	J	10	20		10	20		10	23		0.5												
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l	**180**	J	10	**180**	J	10	**210**		10	**200**	J	0.5												
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	**720**		10	**720**		10	**950**		10	**830**		0.5		NA			NA			NA			NA	
1,2-Dichlorobenzene	600	ug/l	2	J	10	2	J	10	4	J	10	3.8		0.5		NA			NA			NA			NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA		1.1		0.5		NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l	**80**		10	**85**		10	**97**		10	**84**	J	0.5												
1,1-Dichloroethane	50	ug/l	30		10	33		10	35		10	36	J	0.5												
1,1-Dichloroethene	1	ug/l	**150**	J	10	**150**		10	**170**		10	**230**	J	0.5												
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA													
1,2-Dichloropropane	1	ug/l										**1.1**		0.5												
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA		3.7		2		NA			NA			NA			NA	
Ethylbenzene	700	ug/l	3	J	10	3	J	10	3	J	10	3		0.5												
Freon 113	NS	ug/l		NA			NA			NA		210	J	0.5		NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA		0.56		0.5		NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA		1.2		0.5		NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA						NA			NA			NA			NA	
Methylene Chloride	3	ug/l													3	J,B	10	2	J,B	10	2	J	10	2	J	10
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**830**		10	**800**		10	**1000**		10	**980**		0.5							**5**	J	10	1	J	10
Toluene	600	ug/l	1	J	10	1	J	10																		
trans-1,2-Dichloroethene	100	ug/l	2	J	10	2	J	10	3	J	10	2	J	0.5		NA			NA			NA			NA	
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA		**77**	J	0.5		NA			NA			NA			NA	
1,1,2-Trichloroethane	3	ug/l										0.92		0.5												
1,1,1-Trichloroethane	30	ug/l	19		10	21		10	21		10	20	J	0.5												
Trichloroethene	1	ug/l	**3200**		10	**3100**		10	**3500**		10	**3400**		0.5	**4**	J	10	**8**	J	10	**5**	J	10	**3**	J	10
Trichlorofluoromethane	2000	ug/l		NA			NA			NA		1.4	J	0.5		NA			NA			NA			NA	
Vinyl Chloride	1	ug/l	**70**		10	**77**		10	**82**		10	**150**	J	0.5												
Xylenes, Total	1000	ug/l	4	J	10	4	J	10	8	J	10	7.2		0.5												

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D		
		Sample Date:	09/18/1996			12/10/1996			02/12/1997			11/05/1997			10/27/1998			12/17/1999			12/07/2000			11/29/2001		
		Sample ID:	N			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l																								
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l		NA			NA																			
1,2-Dichlorobenzene	600	ug/l		NA			NA			NA			NA			NA			NA			NA				
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l																								
1,1-Dichloroethane	50	ug/l																								
1,1-Dichloroethene	1	ug/l																								
1,2-Dichloroethene, Total	NS	ug/l								NA			NA			NA			NA			NA			NA	
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l																								
Freon 113	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l										1	J	10												
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l													**2**	J	10									
Toluene	600	ug/l							2	J	10															
trans-1,2-Dichloroethene	100	ug/l		NA			NA																			
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA			NA			NA			NA			NA				
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l																								
Trichloroethene	1	ug/l	**3**	J	10	**3**	J	10	**4**	J	10	**3**	J	10	**4**	J	10									
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l																								
Xylenes, Total	1000	ug/l																								

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-8D		
		Sample Date:	09/17/2002			11/05/2003			11/18/2004			11/09/2005			11/07/2006			11/07/2006			07/05/2007			07/21/1995		
		Sample ID:	N			N			N			N			FD			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l																								
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l				0.6	J	10																	NA	
1,2-Dichlorobenzene	600	ug/l																							NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA			NA						NA	
1,2-Dichloroethane	2	ug/l																								
1,1-Dichloroethane	50	ug/l																			0.13	J	0.5			
1,1-Dichloroethene	1	ug/l																								
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA		1300		10
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l																						15	J	10
Freon 113	NS	ug/l		NA			NA			NA			NA			NA			NA						NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA			NA						NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA			NA						NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA			NA						NA	
Methylene Chloride	3	ug/l																						**110**	B	10
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	0.4	J	0.5	**2**	J	10													0.62		0.5	**91**	J	10
Toluene	600	ug/l																						28	J	10
trans-1,2-Dichloroethene	100	ug/l													2	J	10	1	J	10					NA	
1,2,4-Trichlorobenzene	9	ug/l								NA			NA			NA			NA						NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l																								
Trichloroethene	1	ug/l	1		0.5				1	J	10				**3**	J	10	**2**	J	10	**3.7**		0.5	**660**		10
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA			NA						NA	
Vinyl Chloride	1	ug/l																								
Xylenes, Total	1000	ug/l																						50	J	10

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-8D			MW-8D			MW-8D			MW-8D			MW-8D			MW-8D			MW-8D		
		Sample Date:	11/09/1995			01/19/1996			04/18/1996			09/18/1996			12/11/1996			02/11/1997			11/05/1997		
		Sample ID:	N			N			N			N			N			N			N		
Parameter	**GWQS***	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	6000	ug/l				40	J	62															
Benzene	1	ug/l																					
Bromoform	4	ug/l																					
2-Butanone	300	ug/l																					
Carbon Disulfide	700	ug/l																					
Chlorobenzene	50	ug/l																					
Chloroethane	NS	ug/l																					
Chloroform	70	ug/l																					
Chloromethane	NS	ug/l																					
cis-1,2-Dichloroethene	70	ug/l		NA			NA			NA			NA			NA		**2600**		180	**3500**		200
1,2-Dichlorobenzene	600	ug/l		NA			NA			NA			NA			NA			NA			NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l																					
1,1-Dichloroethane	50	ug/l																					
1,1-Dichloroethene	1	ug/l	**20**	J	140	**11**	J	62				**25**	J	180	**15**	J	140	**21**	J	180	**21**	J	200
1,2-Dichloroethene, Total	NS	ug/l	2200		140	1100		62	2700		170	3100		180	2000		140		NA			NA	
1,2-Dichloropropane	1	ug/l																					
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l	37	J	140	13	J	62				88	J	180	44	J	140	41	J	180	83	J	200
Freon 113	NS	ug/l		NA			NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l	**26**	JB	140	**12**	JB	62	**36**	J	170												
1,1,2,2-Tetrachloroethane	1	ug/l																					
Tetrachloroethene	1	ug/l	**140**		140	**74**		62	**130**	J	170	**160**	J	180	**29**	J	140				**170**	J	200
Toluene	600	ug/l	41	J	140	10	J	62				110	J	180	73	J	140	84	J	180	150	J	200
trans-1,2-Dichloroethene	100	ug/l		NA			NA			NA			NA			NA							
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA			NA			NA			NA			NA	
1,1,2-Trichloroethane	3	ug/l																					
1,1,1-Trichloroethane	30	ug/l				7	J	62															
Trichloroethene	1	ug/l	**900**		140	**550**		62	**790**		170	**1100**		180	**570**		140	**770**		180	**1100**		200
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l																					
Xylenes, Total	1000	ug/l	90	J	140	21	J	62				320		180	180		140	140	J	180	320		200

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D		
		Sample Date:	10/20/1998			12/15/1999			12/06/2000			11/27/2001			09/17/2002			11/03/2003			11/18/2004			11/09/2005		
		Sample ID:	N			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l				1	J	10																		
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l	2	J	10																					
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	**180**		10	66		10	43		10	23		10	15		0.5	22		10	4	J	10	5	J	10
1,2-Dichlorobenzene	600	ug/l	NA			NA			NA																	
Dichlorodifluoromethane	1000	ug/l	NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	2	ug/l																								
1,1-Dichloroethane	50	ug/l																								
1,1-Dichloroethene	1	ug/l	1	J	10																					
1,2-Dichloroethene, Total	NS	ug/l	NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l	NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	700	ug/l																								
Freon 113	NS	ug/l	NA			NA			NA			NA			NA			NA			NA			NA		
Isopropylbenzene	700	ug/l	NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Cyclohexane	NS	ug/l	NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-Butyl Ether	70	ug/l	NA			NA			NA			NA			NA			NA			NA			NA		
Methylene Chloride	3	ug/l																								
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**2**	J	10																					
Toluene	600	ug/l																								
trans-1,2-Dichloroethene	100	ug/l																								
1,2,4-Trichlorobenzene	9	ug/l	NA			NA			NA												NA			NA		
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l																								
Trichloroethene	1	ug/l	**41**		10	**11**		10				**5**	J	10	**4**		0.5	**5**	J	10	**2**	J	10			
Trichlorofluoromethane	2000	ug/l	NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl Chloride	1	ug/l																								
Xylenes, Total	1000	ug/l																								

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	RMW-8D			RMW-8D			MW-10D			MW-10D			MW-10D			MW-11D			MW-11D			MW-11D		
		Sample Date:	11/08/2006			06/28/2007			09/20/1996			10/21/1998			09/19/2002			07/23/1995			11/12/1995			01/21/1996		
		Sample ID:	N			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l							3	J	10															
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	5	J	10	0.77		0.5		NA									NA			NA			NA	
1,2-Dichlorobenzene	600	ug/l								NA			NA						NA			NA			NA	
Dichlorodifluoromethane	1000	ug/l		NA						NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l																								
1,1-Dichloroethane	50	ug/l																								
1,1-Dichloroethene	1	ug/l																								
1,2-Dichloroethene, Total	NS	ug/l		NA			NA						NA			NA					98	J	909			
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA		0.99	J	2		NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l																290	J	2080				400	J	667
Freon 113	NS	ug/l		NA						NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA						NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA						NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA						NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l																**430**	J,B	2080	**120**	J,B	909			
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l																**30000**		2080	**12000**		909	**21000**		667
Toluene	600	ug/l																570	J	2080	170	J	909	**850**		667
trans-1,2-Dichloroethene	100	ug/l								NA									NA			NA			NA	
1,2,4-Trichlorobenzene	9	ug/l		NA						NA			NA						NA			NA			NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l																								
Trichloroethene	1	ug/l	1	J	10	0.3	J	0.5										**1300**	J	2080	**620**	J	909	**2100**		667
Trichlorofluoromethane	2000	ug/l		NA						NA			NA		NA				NA			NA			NA	
Vinyl Chloride	1	ug/l																								
Xylenes, Total	1000	ug/l																**1500**	J	2080	350	J	909	**2000**		667

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-11D			MW-11D			MW-11D			MW-11D			MW-11D			RMW-11D			RMW-11D			RMW-11D		
		Sample Date:	04/21/1996			09/24/1996			12/12/1996			02/13/1997			11/06/1997			10/27/1998			12/16/1999			12/16/1999		
		Sample ID:	N			N			N			N			N			N			FD			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l																								
Bromoform	4	ug/l																						2	J	10
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l																1	J	10						
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l		NA			NA			NA								24		10	15		10	18		10
1,2-Dichlorobenzene	600	ug/l		NA		7	J	10		NA			NA			NA			NA			NA			NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l																**11**		10	**9**	J	10	**13**		10
1,1-Dichloroethane	50	ug/l																3	J	10	2	J	10	2	J	10
1,1-Dichloroethene	1	ug/l																**4**	J	10	**2**	J	10	**2**	J	10
1,2-Dichloroethene, Total	NS	ug/l				42	J	333					NA			NA			NA			NA			NA	
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l				**730**		333	450	J	1670	410	J	2500	520	J	3330									
Freon 113	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l																								
1,1,2,2-Tetrachloroethane	1	ug/l																						**3**	J	10
Tetrachloroethene	1	ug/l	**110**		10	**53000**		333	**30000**		1670	**41000**		2500	**46000**		3330	**82**		10				**16**		10
Toluene	600	ug/l	3	J	10	**2200**		333	**1500**	J	1670	**1800**	J	2500	**2100**	J	3330									
trans-1,2-Dichloroethene	100	ug/l		NA			NA			NA																
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,1,2-Trichloroethane	3	ug/l																						2	J	10
1,1,1-Trichloroethane	30	ug/l																1	J	10						
Trichloroethene	1	ug/l	**6**	J	10	**4500**		333	**3900**		1670	**4600**		2500	**5800**		3330	**52**		10	**23**		10	**28**		10
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l																								
Xylenes, Total	1000	ug/l	3	J	10	**3300**		333	**2200**		1670	**1800**	J	2500	**2400**	J	3330	1	J	10						

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D		
		Sample Date:	12/06/2000			12/06/2000			11/28/2001			11/28/2001			09/19/2002			11/04/2003			11/16/2004			11/10/2005		
		Sample ID:	FD			N			FD			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l																								
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	10	J	10	9	J	10	2	J	10	2	J	10	0.8		0.5									
1,2-Dichlorobenzene	600	ug/l		NA			NA																			
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l	**7**	J	10	**6**	J	10	1	J	10	1	J	10	0.7		0.5									
1,1-Dichloroethane	50	ug/l	1	J	10	1	J	10							0.2	J	0.5									
1,1-Dichloroethene	1	ug/l	**2**	J	10	1	J	10																		
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l																								
Freon 113	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l																								
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**10**		10	**10**		10	**6**	J	10	**6**	J	10	**3**		0.5	**3**	J	10	**2**	J	10	1	J	10
Toluene	600	ug/l																								
trans-1,2-Dichloroethene	100	ug/l																0.6	J	10						
1,2,4-Trichlorobenzene	9	ug/l		NA			NA															NA			NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l																								
Trichloroethene	1	ug/l	**17**		10	**16**		10	**5**	J	10	**5**	J	10	**3**		0.5	**2**	J	10	**3**	J	10	**2**	J	10
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l																								
Xylenes, Total	1000	ug/l																								

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	RMW-11D			RMW-11D			MW-12D			MW-12D			MW-12D			MW-12D			MW-12D			MW-12D		
		Sample Date:	11/07/2006			07/02/2007			07/23/1995			11/12/1995			01/21/1996			04/21/1996			09/23/1996			12/12/1996		
		Sample ID:	N			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																			39	J,N	333	20	J	111
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l							19	J	116				22	J	166	21	J	156				16	J	111
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l				0.27	J	0.5		NA			NA			NA			NA			NA			NA	
1,2-Dichlorobenzene	600	ug/l								NA			NA			NA			NA			NA			NA	
Dichlorodifluoromethane	1000	ug/l		NA						NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l							**64**	J	116				**75**	J	166									
1,1-Dichloroethane	50	ug/l							**80**	J	116	17	J	56	**85**	J	166	41	J	156	**99**	J	333	49	J	111
1,1-Dichloroethene	1	ug/l							**260**		116	**68**		56	**230**		166	**140**	J	156	**370**		333	**180**		111
1,2-Dichloroethene, Total	NS	ug/l		NA			NA		2200		116	530		56	2300		166	2600		156	4500		333	2000		111
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l										16	J	56							84	J	333	38	J	111
Freon 113	NS	ug/l		NA						NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA						NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA						NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA						NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l							**26**	J,B	116	**8**	J,B	56	**21**	J	166	**18**	J,B	156						
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**2**	J	10	0.79		0.5	**350**		116	**140**		56	**340**		166	**180**		156	**470**	J	333	**240**		111
Toluene	600	ug/l																								
trans-1,2-Dichloroethene	100	ug/l								NA			NA			NA			NA			NA			NA	
1,2,4-Trichlorobenzene	9	ug/l		NA						NA			NA			NA			NA			NA			NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l							**110**	J	116	**31**	J	56	**110**	J	166	**50**	J	156	**110**	J	333	**57**	J	111
Trichloroethene	1	ug/l	**4**	J	10	0.87		0.5	**2200**		116	**820**		56	**1700**		166	**1100**		156	**2100**		333	**1200**		111
Trichlorofluoromethane	2000	ug/l		NA						NA			NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l							**160**		116	**20**	J	56	**130**	J	166				**380**	J	333	**88**	J	111
Xylenes, Total	1000	ug/l										20	J	56							48	J	333			

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-12D			MW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D		
		Sample Date:	02/12/1997			11/04/1997			11/05/1998			12/16/1999			12/06/2000			11/28/2001			09/26/2002			11/04/2003		
		Sample ID:	N			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l										220		10							49	J	250			
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l	16	J	143				5	J	10										12	J	13	5	J	10
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	**2000**		143	**3600**		250	**530**		56	**150**		10	30		10	27		10	**230**	J	13	**120**		10
1,2-Dichlorobenzene	600	ug/l		NA			NA			NA			NA			NA										
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l							**46**		10	**23**		10	**6**	J	10	**4**	J	10	**21**	J	13	**10**		10
1,1-Dichloroethane	50	ug/l	46	J	143	**69**	J	250	27		10	10		10	2	J	10	2	J	10	13	J	13	9	J	10
1,1-Dichloroethene	1	ug/l	**170**		143	**300**		250	**37**		10	**11**		10	**2**	J	10	**2**	J	10	**19**	J	13	**17**		10
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l				77	J	250																		
Freon 113	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l																								
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**180**		143	**400**		250	**22**		10							**2**	J	10	**14**	J	13	**4**	J	10
Toluene	600	ug/l				29	J	250																		
trans-1,2-Dichloroethene	100	ug/l							2	J	10										18	J	0.5			
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA			NA			NA										
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l	**60**	J	143	**100**	J	250	13		10	2	J	10							4	J	13	2	J	10
Trichloroethene	1	ug/l	**1300**		143	**3200**		250	**140**		56	**26**		10				**8**	J	10	**90**	J	13	**32**		10
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l				**180**	J	250	**29**		10	**7**	J	10							**15**	J	13	**8**	J	10
Xylenes, Total	1000	ug/l				52	J	250																		

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

		Location ID:	RMW-12D			RMW-12D			RMW-12D			RMW-12D			MW-13D			MW-13D			MW-13D			MW-13D		
		Sample Date:	11/16/2004			11/10/2005			11/08/2006			06/29/2007			07/23/1995			11/12/1995			11/12/1995			11/12/1995		
		Sample ID:	N			N			N			N			N			FD			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																						87	B	85
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l										3.1	J	5												
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l													22		19	**120**		98	23	J	28	**120**		85
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	1	J	10							1.9	J	0.5		NA			NA			NA			NA	
1,2-Dichlorobenzene	600	ug/l														NA			NA			NA			NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA						NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l													**33**		19	**130**		98	**36**		28	**120**		85
1,1-Dichloroethane	50	ug/l										0.1	J	0.5	14	J	19	**58**	J	98	16	J	28	**55**	J	85
1,1-Dichloroethene	1	ug/l													**37**		19	**120**		98	**36**		28	**110**		85
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA		270		19	1600		98	360		28	1400		85
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA		1.2	J	2		NA			NA			NA			NA	
Ethylbenzene	700	ug/l																								
Freon 113	NS	ug/l		NA			NA			NA						NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA						NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA						NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA						NA			NA			NA			NA	
Methylene Chloride	3	ug/l													3	J,B	19	**13**	J,B	98	3	J,B	28	**12**	J,B	85
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l										0.29	J	0.5	**43**		19	**270**		98	**71**		28	**220**		85
Toluene	600	ug/l																								
trans-1,2-Dichloroethene	100	ug/l														NA			NA			NA			NA	
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA						NA			NA			NA			NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l													12	J	19	**66**	J	98	15	J	28	**63**	J	85
Trichloroethene	1	ug/l	1	J	10							0.93		0.5	**360**		19	**960**		98	**310**		28	**880**		85
Trichlorofluoromethane	2000	ug/l		NA			NA			NA						NA			NA			NA			NA	
Vinyl Chloride	1	ug/l													**4**	J	19	**33**	J	98	**9**	J	28	**32**	J	85
Xylenes, Total	1000	ug/l																								

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-13D			MW-13D			MW-13D			MW-13D			RMW-13D			RMW-13D			RMW-13D		
		Sample Date:	01/21/1996			01/21/1996			04/21/1996			09/23/1996			12/12/1996			12/12/1996			02/11/1997		
		Sample ID:	N			N			N			N			FD			N			FD		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l													350		111	34		10			
Benzene	1	ug/l																					
Bromoform	4	ug/l																					
2-Butanone	300	ug/l																					
Carbon Disulfide	700	ug/l																					
Chlorobenzene	50	ug/l							2	J	10										21	J	178
Chloroethane	NS	ug/l																					
Chloroform	70	ug/l	**97**		57	**170**		50	35		10	**240**		167	**130**		111	16		10	**300**		178
Chloromethane	NS	ug/l																					
cis-1,2-Dichloroethene	70	ug/l		NA			NA			NA			NA								**2800**		178
1,2-Dichlorobenzene	600	ug/l		NA			NA			NA			NA									NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA									NA	
1,2-Dichloroethane	2	ug/l	**110**		57	**160**		50	**29**		10	**210**		167	**130**		111	**16**		10	**280**		178
1,1-Dichloroethane	50	ug/l	50	J	57	**70**		50	12		10	**94**	J	167	50	J	111	6	J	10	**110**	J	178
1,1-Dichloroethene	1	ug/l	**110**		57	**140**		50	**27**		10	**210**		167	**95**	J	111	**11**		10	**270**		178
1,2-Dichloroethene, Total	NS	ug/l	880		57	1200		50	10000		10	2200		167	1200		111	150		10		NA	
1,2-Dichloropropane	1	ug/l																					
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA									NA	
Ethylbenzene	700	ug/l																					
Freon 113	NS	ug/l		NA			NA			NA			NA									NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA									NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA									NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA									NA	
Methylene Chloride	3	ug/l				**5**	J	50	2	J,B	10												
1,1,2,2-Tetrachloroethane	1	ug/l																					
Tetrachloroethene	1	ug/l	**220**		57	**200**		50	**48**		10	**410**	J	167	**120**		111	**16**		10	**430**		178
Toluene	600	ug/l																					
trans-1,2-Dichloroethene	100	ug/l		NA			NA			NA			NA										
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA			NA									NA	
1,1,2-Trichloroethane	3	ug/l																					
1,1,1-Trichloroethane	30	ug/l	**54**	J	57	**70**		50	13		10	**82**	J	167	**44**	J	111	5	J	10	**110**	J	178
Trichloroethene	1	ug/l	**680**		57	**800**		50	**6400**		10	**1500**		167	**770**		111	**87**		10	**2100**		178
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA									NA	
Vinyl Chloride	1	ug/l	**32**	J	57	**35**	J	50	**6**	J	10	**92**	J	167	**24**	J	111	**3**	J	10	**66**	J	178
Xylenes, Total	1000	ug/l																					

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D		
		Sample Date:	02/11/1997			11/04/1997			10/23/1998			12/16/1999			12/07/2000			11/28/2001			09/23/2002			01/02/2003		
		Sample ID:	N			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l													**7**	J	10							**11**		0.5
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l										7	J	10	8	J	10	12		10				9		0.5
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l	**250**		132	**230**		143	**370**		150	**200**		10	**250**		10	**310**		130				**200**		100
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	**2300**		132	**2100**		143	**2700**		150	**1000**		10	**1600**		10	**2400**		130	9		0.5	**2300**		100
1,2-Dichlorobenzene	600	ug/l		NA			NA			NA			NA			NA										
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l	**230**		132	**150**		143	**220**		150	**120**		10	**130**		10	**180**		10	0.6		0.5	**140**		100
1,1-Dichloroethane	50	ug/l	**89**	J	132	**70**	J	143	**79**	J	150	39		10	42		10	**60**		10	0.2	J	0.5	50	J	100
1,1-Dichloroethene	1	ug/l	**250**		132	**200**		143	**210**		150	**130**		10	**130**		10	**180**		10	0.7		0.5	**140**		100
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloropropane	1	ug/l																1	J	10				0.6		0.5
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l																								
Freon 113	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l										1	J	10										1		0.5
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**450**		132	**290**		143	**430**		150	**130**		10	**190**		10	**190**		130	1		0.5	**130**		100
Toluene	600	ug/l																						0.2	J	0.5
trans-1,2-Dichloroethene	100	ug/l										3	J	10	3	J	10	5	J	10	0.6		0.5	5		0.5
1,2,4-Trichlorobenzene	9	ug/l		NA			NA			NA			NA			NA										
1,1,2-Trichloroethane	3	ug/l																1	J	10				0.9		0.5
1,1,1-Trichloroethane	30	ug/l	**90**	J	132	**70**	J	143	**80**	J	150	**33**		10	**40**		10	**49**		10				30	J	100
Trichloroethene	1	ug/l	**1700**		132	**2000**		143	**1800**		150	**730**		10	**920**		10	**1000**		130	**6**		0.5	**930**		100
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l	**59**	J	132				**66**	J	150	**38**		10	**66**		10				0.3	J	0.5	**54**	J	100
Xylenes, Total	1000	ug/l																						0.3	J	0.5

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			MW-14D		
		Sample Date:	11/04/2003			11/10/2003			11/16/2004			11/10/2005			11/09/2006			06/29/2007			06/29/2007			09/23/1996		
		Sample ID:	N			N			N			N			N			FD			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l				**8**	J	10	**9**	J	10	**8**	J	10	**2**	J	10	**1.5**		0.5	**1.5**		0.5			
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																7.6	J	5	3	J	5			
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l				7	J	10	8	J	10	10		10	2	J	10	1.4		0.5	1.3		0.5			
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l	4	J	10	**160**		10	**300**		10	**340**		10	59		10	31		0.5	30		0.5	5	J	10
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	38		10	**2700**		140	**2400**		10	**2300**		10	**480**		10	**300**		0.5	**290**		0.5		NA	
1,2-Dichlorobenzene	600	ug/l																							NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA			NA			NA									NA	
1,2-Dichloroethane	2	ug/l	**3**	J	10	**120**		10	**170**		10	**180**	J	10	**41**		10	**24**		0.5	**22**		0.5			
1,1-Dichloroethane	50	ug/l	2	J	10	47		10	**66**	J	10	50		10	15		10	11		0.5	10		0.5			
1,1-Dichloroethene	1	ug/l	**8**	J	10	**360**	J	140	**190**		10	**170**	J	10	**42**		10	**31**		0.5	**49**	J	0.5			
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA				
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA		1.1	J	2		NA	
Ethylbenzene	700	ug/l																						2	J	10
Freon 113	NS	ug/l		NA			NA			NA			NA			NA		7.2		0.5	9.6		0.5		NA	
Isopropylbenzene	700	ug/l		NA			NA			NA			NA			NA									NA	
Methyl Cyclohexane	NS	ug/l		NA			NA			NA			NA			NA									NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA			NA			NA									NA	
Methylene Chloride	3	ug/l																								
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**7**	J	10	**140**		10	**200**		10	**170**	J	10	**54**		10	**27**	J	0.5	**26**	J	0.5	**2**	J	10
Toluene	600	ug/l																						2	J	10
trans-1,2-Dichloroethene	100	ug/l				5	J	10	5	J	10	4	J	10	2	J	10	0.8		0.5	0.71	J	0.5		NA	
1,2,4-Trichlorobenzene	9	ug/l								NA			NA			NA									NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l				24		10	25		10	19		10	3	J	10	2.1		0.5	2		0.5	1	J	10
Trichloroethene	1	ug/l	**54**	J	10	**1200**		140	**1300**		10	**1200**		10	**300**		10	**190**		0.5	**150**		0.5	**45**		10
Trichlorofluoromethane	2000	ug/l		NA			NA			NA			NA			NA		0.11	J	0.5					NA	
Vinyl Chloride	1	ug/l				**65**		10	**57**		10	**84**	J	10	**16**		10	**17**		0.5	**18**		0.5			
Xylenes, Total	1000	ug/l																						8	J	10

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-14D			MW-14D			MW-14D			MW-15D			MW-15D			MW-15D			MW-16D			MW-16D		
		Sample Date:	10/23/1998			09/18/2002			07/02/2007			09/24/1996			10/22/1998			09/25/2002			09/23/1996			10/26/1998		
		Sample ID:	N			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l							3.6		0.5										1	J	10			
Chloromethane	NS	ug/l																0.2	J	0.5						
cis-1,2-Dichloroethene	70	ug/l							1.1		0.5		NA									NA		19		10
1,2-Dichlorobenzene	600	ug/l		NA									NA			NA						NA			NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA						NA			NA			NA			NA			NA	
1,2-Dichloroethane	2	ug/l																			**11**		10	**5**	J	10
1,1-Dichloroethane	50	ug/l							1.1		0.5										3	J	10	2	J	10
1,1-Dichloroethene	1	ug/l							0.74		0.5										**6**	J	10	**4**	J	10
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA						NA			NA		30		10		NA	
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	700	ug/l																								
Freon 113	NS	ug/l		NA			NA		0.5		0.5		NA			NA			NA			NA			NA	
Isopropylbenzene	700	ug/l		NA			NA						NA			NA			NA			NA			NA	
Methyl Cyclohexane	NS	ug/l		NA			NA						NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA						NA			NA			NA			NA			NA	
Methylene Chloride	3	ug/l																								
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l							0.12	J	0.5										**21**		10	**8**	J	10
Toluene	600	ug/l																								
trans-1,2-Dichloroethene	100	ug/l											NA									NA				
1,2,4-Trichlorobenzene	9	ug/l		NA									NA			NA						NA			NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l																			3	J	10	1	J	10
Trichloroethene	1	ug/l	**11**		10	**3**		0.5	**8.7**	J	0.5										**76**		10	**37**		10
Trichlorofluoromethane	2000	ug/l		NA			NA						NA			NA			NA			NA			NA	
Vinyl Chloride	1	ug/l							**1.2**		0.5															
Xylenes, Total	1000	ug/l																								

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-16D			MW-16D			MW-17D			MW-17D			MW-17D			MW-17D			MW-18D			MW-18D		
		Sample Date:	09/26/2002			07/02/2007			09/19/1996			10/21/1998			09/17/2002			06/27/2007			09/19/1996			09/19/1996		
		Sample ID:	N			N			N			N			N			N			FD			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																								
Benzene	1	ug/l	0.2	J	0.5																					
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l				0.11	J	0.5																		
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l																								
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	31	J	2	27		0.5		NA					5		0.5	2.2	J	0.5		NA			NA	
1,2-Dichlorobenzene	600	ug/l								NA			NA		0.3	J	0.5	0.13	J	0.5		NA			NA	
Dichlorodifluoromethane	1000	ug/l		NA						NA			NA			NA						NA			NA	
1,2-Dichloroethane	2	ug/l	**6**	J	0.5	**8.2**		0.5																		
1,1-Dichloroethane	50	ug/l	2	J	0.5	3.1		0.5							0.9		0.5	0.79		0.5						
1,1-Dichloroethene	1	ug/l	**5**	J	0.5	**7.4**		0.5							0.3	J	0.5									
1,2-Dichloroethene, Total	NS	ug/l		NA			NA						NA			NA			NA							
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA						NA			NA			NA		5.3		2		NA			NA	
Ethylbenzene	700	ug/l																								
Freon 113	NS	ug/l		NA		3.2		0.5		NA			NA			NA						NA			NA	
Isopropylbenzene	700	ug/l		NA						NA			NA			NA						NA			NA	
Methyl Cyclohexane	NS	ug/l		NA						NA			NA			NA						NA			NA	
Methyl tert-Butyl Ether	70	ug/l		NA						NA			NA			NA		10		0.5		NA			NA	
Methylene Chloride	3	ug/l																			1	J	10	1	J	10
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**10**	J	0.5	**9.5**		0.5							0.4	J	0.5									
Toluene	600	ug/l																								
trans-1,2-Dichloroethene	100	ug/l				0.4	J	0.5		NA					0.3	J	0.5					NA			NA	
1,2,4-Trichlorobenzene	9	ug/l								NA			NA									NA			NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l	1	J	0.5	2.1		0.5																		
Trichloroethene	1	ug/l	**62**	J	2	**66**		0.5							1		0.5	0.29	J	0.5						
Trichlorofluoromethane	2000	ug/l		NA						NA			NA			NA						NA			NA	
Vinyl Chloride	1	ug/l	0.4	J	0.5	0.4	J	0.5							0.2	J	0.5									
Xylenes, Total	1000	ug/l																								

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-18D			MW-18D			MW-18D			MW-19D			MW-19D			MW-19D			MW-19D			MW-20D		
		Sample Date:	10/20/1998			09/17/2002			06/27/2007			11/05/1998			09/18/2002			12/21/2006			06/26/2007			10/26/1998		
		Sample ID:	N			N			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																5	J	10						
Benzene	1	ug/l																								
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l																								
Chloroethane	NS	ug/l																								
Chloroform	70	ug/l																								
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l				3		0.5	0.92	J	0.5	2	J	10							0.11	J	0.5	3	J	10
1,2-Dichlorobenzene	600	ug/l		NA									NA												NA	
Dichlorodifluoromethane	1000	ug/l		NA			NA						NA			NA									NA	
1,2-Dichloroethane	2	ug/l																								
1,1-Dichloroethane	50	ug/l				0.7		0.5	0.85		0.5															
1,1-Dichloroethene	1	ug/l				0.2	J	0.5																		
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA			NA			NA						NA			NA	
Ethylbenzene	700	ug/l																								
Freon 113	NS	ug/l		NA			NA						NA			NA									NA	
Isopropylbenzene	700	ug/l		NA			NA						NA			NA									NA	
Methyl Cyclohexane	NS	ug/l		NA			NA						NA			NA									NA	
Methyl tert-Butyl Ether	70	ug/l		NA			NA		10		0.5		NA			NA									NA	
Methylene Chloride	3	ug/l																								
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l																								
Toluene	600	ug/l																								
trans-1,2-Dichloroethene	100	ug/l																								
1,2,4-Trichlorobenzene	9	ug/l		NA									NA												NA	
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l																								
Trichloroethene	1	ug/l				0.7		0.5	0.24	J	0.5	**4**	J	10												
Trichlorofluoromethane	2000	ug/l		NA			NA						NA			NA									NA	
Vinyl Chloride	1	ug/l				0.2	J	0.5																		
Xylenes, Total	1000	ug/l																								

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-20D			MW-20D			MW-20D			MW-20D			MW-20D			MW-21D			MW-21D			MW-21D		
		Sample Date:	10/24/2002			01/02/2003			01/02/2003			12/21/2006			06/27/2007			10/22/1998			09/25/2002			06/28/2007		
		Sample ID:	N			FD			N			N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l																			340		500			
Benzene	1	ug/l	**5**		0.5	**5**		0.5	**9**		0.5				**3.7**		0.5	**650**		33	**500**		25	**350**		16
Bromoform	4	ug/l																								
2-Butanone	300	ug/l																								
Carbon Disulfide	700	ug/l																								
Chlorobenzene	50	ug/l				0.4	J	0.5	0.3	J	0.5				0.9		0.5				0.2	J	0.5			
Chloroethane	NS	ug/l																540		33	500	J	25	360		16
Chloroform	70	ug/l	28		14	11		0.5	17		0.5	19	J	50	14		0.5	17	J	33	6		0.5			
Chloromethane	NS	ug/l																								
cis-1,2-Dichloroethene	70	ug/l	**260**		14	**110**		4	**170**		6	**340**		50	**370**		0.5	45		33	13		0.5	7.4	J	16
1,2-Dichlorobenzene	600	ug/l																	NA							
Dichlorodifluoromethane	1000	ug/l		NA			NA			NA					0.77		0.5		NA			NA				
1,2-Dichloroethane	2	ug/l	**13**		0.5	**7**		0.5	**10**		0.5	**20**	J	50	**19**		0.5				1		0.5			
1,1-Dichloroethane	50	ug/l	15		0.5	6		0.5	9		0.5	13	J	50	13		0.5	**2200**	E	77	**600**		25	**600**		16
1,1-Dichloroethene	1	ug/l	**15**	J	0.5	**7**		0.5	**10**		0.5	**20**	J	50	**24**		0.5				0.3	J	0.5			
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichloropropane	1	ug/l																								
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA			NA		6.3		2		NA			NA			NA		2800		830
Ethylbenzene	700	ug/l																12	J	33	12		0.5			
Freon 113	NS	ug/l		NA			NA			NA					5.8		0.5		NA			NA				
Isopropylbenzene	700	ug/l		NA			NA			NA									NA			NA				
Methyl Cyclohexane	NS	ug/l		NA			NA			NA									NA			NA				
Methyl tert-Butyl Ether	70	ug/l		NA			NA			NA									NA			NA				
Methylene Chloride	3	ug/l				0.2	J	0.5	0.3	J	0.5										**12**	J	0.5			
1,1,2,2-Tetrachloroethane	1	ug/l																								
Tetrachloroethene	1	ug/l	**12**		0.5	**8**		0.5	**8**		0.5	**26**	J	50	**22**		0.5									
Toluene	600	ug/l																81		33	11		0.5			
trans-1,2-Dichloroethene	100	ug/l	1		0.5	0.2	J	0.5	0.3	J	0.5				1.2	J	0.5	4	J	33	2		0.5			
1,2,4-Trichlorobenzene	9	ug/l																	NA							
1,1,2-Trichloroethane	3	ug/l																								
1,1,1-Trichloroethane	30	ug/l	4		0.5	2		0.5	2		0.5				1.8		0.5									
Trichloroethene	1	ug/l	**150**		14	**68**		4	**97**		6	**200**		50	**210**		0.5	**61**		33	**17**		0.5	**8.2**	J	16
Trichlorofluoromethane	2000	ug/l		NA			NA			NA									NA			NA				
Vinyl Chloride	1	ug/l	**24**		14	**11**		0.5	**16**		0.5	**29**	J	50	**32**		0.5	**25**	J	33	**14**		0.5	**15**	J	16
Xylenes, Total	1000	ug/l																21	J	33	13		0.5			

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Volatile Organics

		Location ID:	MW-22D			MW-22D			MW-24D			MW-25D			MW-26D		
		Sample Date:	09/25/2002			06/28/2007			06/26/2007			06/25/2007			06/26/2007		
		Sample ID:	N			N			N			N			N		
Parameter	GWQS*	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acetone	6000	ug/l															
Benzene	1	ug/l										0.21	J	0.5			
Bromoform	4	ug/l															
2-Butanone	300	ug/l															
Carbon Disulfide	700	ug/l										1.1		0.5			
Chlorobenzene	50	ug/l															
Chloroethane	NS	ug/l															
Chloroform	70	ug/l										0.68		0.5	0.95		0.5
Chloromethane	NS	ug/l	0.2	J	0.5							0.11	J	0.5			
cis-1,2-Dichloroethene	70	ug/l							1.2	J	0.5	13		0.5	2.6		0.5
1,2-Dichlorobenzene	600	ug/l															
Dichlorodifluoromethane	1000	ug/l		NA													
1,2-Dichloroethane	2	ug/l							0.46	J	0.5	**3.1**		0.5			
1,1-Dichloroethane	50	ug/l	1		0.5	0.9		0.5	0.28	J	0.5	1.5		0.5	0.46	J	0.5
1,1-Dichloroethene	1	ug/l										**2.9**		0.5			
1,2-Dichloroethene, Total	NS	ug/l		NA			NA			NA			NA			NA	
1,2-Dichloropropane	1	ug/l															
1,3-Dichloropropene*	1	ug/l	0			0			0			0			0		
1,4-Dioxane	NS	ug/l		NA			NA		0.47	J	2	1	J	2	0.84	J	2
Ethylbenzene	700	ug/l															
Freon 113	NS	ug/l		NA								0.77		0.5			
Isopropylbenzene	700	ug/l		NA													
Methyl Cyclohexane	NS	ug/l		NA													
Methyl tert-Butyl Ether	70	ug/l		NA													
Methylene Chloride	3	ug/l															
1,1,2,2-Tetrachloroethane	1	ug/l															
Tetrachloroethene	1	ug/l							0.52		0.5	**1.9**		0.5			
Toluene	600	ug/l										0.72		0.5			
trans-1,2-Dichloroethene	100	ug/l															
1,2,4-Trichlorobenzene	9	ug/l															
1,1,2-Trichloroethane	3	ug/l															
1,1,1-Trichloroethane	30	ug/l										0.25	J	0.5			
Trichloroethene	1	ug/l							**2.8**		0.5	**23**		0.5	0.25	J	0.5
Trichlorofluoromethane	2000	ug/l		NA													
Vinyl Chloride	1	ug/l										0.21	J	0.5			
Xylenes, Total	1000	ug/l										0.15	J	0.5			

* 1,3-Dichloropropene is the calculated sum of
cis-1,3-Dichloropropene and trans-1,3-Dichloropropene
0 in the result field indicates both cis-1,3-Dichloropropene
and trans-1,3-Dichloropropene were non-detect.
N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D		
		Sample Date:	04/17/1996			09/18/1996			11/05/1997			10/27/1998			12/14/1999			12/07/2000			11/28/2001			09/24/2002		
		Sample Type:	N			N			N			N			N			N			N			N		
Parameter	**GWQS**	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l	**4**	J	10				2	J	10															
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l																1	J	10		NA			NA	
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l										0.5	J	10												
2,6-Dinitrotoluene	NS	ug/l																								
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																						0.5	J	11
Nitrobenzene	6	ug/l										1	J,N	10							0.8	J	10			
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																								
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-7D		
		Sample Date:	11/05/2003			11/16/2004			11/09/2005			11/09/2005			11/07/2006			07/05/2007			07/05/2007			04/18/1996		
		Sample Type:	N			N			FD			N			N			FD			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l																						2	J	10
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l	NA			NA			NA			NA			NA			NA			NA					
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																								
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																						1	J	10
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D		
		Sample Date:	09/18/1996			11/05/1997			10/27/1998			12/17/1999			12/07/2000			11/29/2001			09/17/2002			11/05/2003		
		Sample Type:	N			N			N			N			N			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l																								
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l																NA			NA			NA		
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																						4	J	10
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																								
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-8D			MW-8D			MW-8D		
		Sample Date:	11/18/2004			11/09/2005			11/07/2006			11/07/2006			07/05/2007			04/18/1996			09/18/1996			11/05/1997		
		Sample Type:	N			N			FD			N			N			N			N			N		
Parameter	**GWQS**	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l																2	J	10						
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l		NA			NA			NA			NA			NA								2	J	10
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																						2	J	10
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																								
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																						1	J	10
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																								
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D		
		Sample Date:	10/20/1998			12/15/1999			12/06/2000			11/27/2001			09/17/2002			11/03/2003			11/18/2004			11/09/2005		
		Sample Type:	N			N			N			N			N			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l							1	J	10															
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l										NA			NA			NA			NA			NA		
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																								
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																						8	J	10
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	RMW-8D			RMW-8D			MW-10D			MW-10D			MW-10D			MW-11D			MW-11D			MW-11D		
		Sample Date:	11/08/2006			06/28/2007			09/20/1996			10/21/1998			09/19/2002			04/21/1996			09/24/1996			11/06/1997		
		Sample Type:	N			N			N			N			N			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																						1	J	10
Benzo[b]fluoranthene	0.2	ug/l																**1**	X,J	10						
Benzo[k]fluoranthene	0.5	ug/l																**1**	X,J	10						
Bis(2-ethylhexyl) Phthalate	3	ug/l				**5**	J	10										**19**		10	**16**		10	**7**	J	10
Butylbenzyl Phthalate	100	ug/l																						0.9	J	10
1,2-Dichlorobenzene	600	ug/l		NA			NA									NA		5	J	10	7	J	10	13		10
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																3	J	10	4	J	10	7	J	10
Di-n-Butyl Phthalate	700	ug/l																1	J	10	1	J	10	2	J	10
2,6-Dinitrotoluene	NS	ug/l													13		11									
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																1	J	10				0.9	J	10
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																3	J	10	5	J	10	8	J	10
4-Methylphenol	NS	ug/l																11		10	18		10	34		10
2-Methylphenol	NS	ug/l																92		10	17		10	15		10
Naphthalene	300	ug/l																5	J	10	8	J	10	14		10
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																2	J	10	1	J	10	3	J	10
Phenol	2000	ug/l																12		10	14		10	26		10
Pyrene	200	ug/l																1	J	10						

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D		
		Sample Date:	10/27/1998			12/16/1999			12/16/1999			12/06/2000			12/06/2000			11/28/2001			11/28/2001			09/19/2002		
		Sample Type:	N			FD			N			FD			N			FD			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l																								
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l																NA			NA			NA		
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																								
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l	3	J,N	10	1.2	J	10	2.3	J	10							0.4	J	10						
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			MW-12D			MW-12D			MW-12D		
		Sample Date:	11/04/2003			11/16/2004			11/10/2005			11/07/2006			07/02/2007			04/21/1996			09/23/1996			11/04/1997		
		Sample Type:	N			N			N			N			N			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l																1	J	10						
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l	NA			NA			NA			NA			NA											
Diethyl Phthalate	6000	ug/l																0.8	J	10						
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l				2	J	10																		
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																								
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D		
		Sample Date:	11/05/1998			12/16/1999			12/06/2000			11/28/2001			09/26/2002			11/04/2003			11/16/2004			11/10/2005		
		Sample Type:	N			N			N			N			N			N			N			N		
Parameter	**GWQS**	**Unit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l							**4**	J	10															
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l											NA			NA			NA			NA			NA	
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																3	J	10						
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l	7	J,N	10																					
Pyrene	200	ug/l										0.5	J	10												

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	RMW-12D			RMW-12D			MW-13D			MW-13D			MW-13D			MW-13D			MW-13D			MW-13D		
		Sample Date:	11/08/2006			06/29/2007			11/12/1995			11/12/1995			01/21/1996			01/21/1996			04/21/1996			09/23/1996		
		Sample Type:	N			N			FD			N			N			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l							**4**	J	10	**10**		10	1	J	10	**4**	J	10	2	J	10			
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l		NA			NA																			
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																								
Di-n-octyl Phthalate	100	ug/l							3	J	10															
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																								
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D		
		Sample Date:	11/04/1997			10/23/1998			12/16/1999			12/07/2000			11/28/2001			09/23/2002			01/02/2003			11/10/2003		
		Sample Type:	N			N			N			N			N			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l																0.7	J	10						
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l													NA				NA			NA			NA	
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																			2	J	10			
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																			**0.8**	J	25			
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																								
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	RMW-13D		RMW-13D		RMW-13D		RMW-13D		MW-14D		MW-14D		MW-14D		MW-14D	
		Sample Date:	11/16/2004		11/10/2005		11/09/2006		06/29/2007		09/23/1996		10/23/1998		09/18/2002		07/02/2007	
		Sample Type:	N		N		N		N		N		N		N		N	
Parameter	**GWQS**	**Unit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**
Acenaphthene	400	ug/l																
Benzo[b]fluoranthene	0.2	ug/l																
Benzo[k]fluoranthene	0.5	ug/l																
Bis(2-ethylhexyl) Phthalate	3	ug/l											**7**	J 10				
Butylbenzyl Phthalate	100	ug/l																
1,2-Dichlorobenzene	600	ug/l	NA		NA		NA		NA						NA		NA	
Diethyl Phthalate	6000	ug/l																
2,4-Dimethylphenol	100	ug/l																
Di-n-Butyl Phthalate	700	ug/l																
2,6-Dinitrotoluene	NS	ug/l																
Di-n-octyl Phthalate	100	ug/l																
Fluoranthene	300	ug/l																
Isophorone	40	ug/l																
2-Methylnaphthalene	NS	ug/l																
4-Methylphenol	NS	ug/l																
2-Methylphenol	NS	ug/l																
Naphthalene	300	ug/l																
Nitrobenzene	6	ug/l																
Pentachlorophenol	0.3	ug/l																
Phenanthrene	NS	ug/l																
Phenol	2000	ug/l																
Pyrene	200	ug/l																

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-15D			MW-15D			MW-15D			MW-16D			MW-16D			MW-16D			MW-16D			MW-17D		
		Sample Date:	09/24/1996			10/22/1998			09/25/2002			09/23/1996			10/26/1998			09/26/2002			07/02/2007			09/19/1996		
		Sample Type:	N			N			N			N			N			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l										1	J	10												
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l							NA									NA			NA					
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																								
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																								
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-17D		MW-17D		MW-17D		MW-18D		MW-18D		MW-18D		MW-18D		MW-18D	
		Sample Date:	10/21/1998		09/17/2002		06/27/2007		09/19/1996		09/19/1996		10/20/1998		09/17/2002		06/27/2007	
		Sample Type:	N		N		N		FD		N		N		N		N	
Parameter	**GWQS**	**Unit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**	**Result**	**Qualifier Rept Limit**
Acenaphthene	400	ug/l																
Benzo[b]fluoranthene	0.2	ug/l																
Benzo[k]fluoranthene	0.5	ug/l																
Bis(2-ethylhexyl) Phthalate	3	ug/l																
Butylbenzyl Phthalate	100	ug/l																
1,2-Dichlorobenzene	600	ug/l			NA		NA								NA		NA	
Diethyl Phthalate	6000	ug/l																
2,4-Dimethylphenol	100	ug/l																
Di-n-Butyl Phthalate	700	ug/l																
2,6-Dinitrotoluene	NS	ug/l																
Di-n-octyl Phthalate	100	ug/l																
Fluoranthene	300	ug/l																
Isophorone	40	ug/l																
2-Methylnaphthalene	NS	ug/l																
4-Methylphenol	NS	ug/l																
2-Methylphenol	NS	ug/l																
Naphthalene	300	ug/l																
Nitrobenzene	6	ug/l																
Pentachlorophenol	0.3	ug/l																
Phenanthrene	NS	ug/l																
Phenol	2000	ug/l																
Pyrene	200	ug/l																

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-19D			MW-19D			MW-19D			MW-20D			MW-20D			MW-20D			MW-20D			MW-20D		
		Sample Date:	11/05/1998			09/18/2002			06/26/2007			10/26/1998			10/24/2002			01/02/2003			01/02/2003			06/27/2007		
		Sample Type:	N			N			N			N			N			FD			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l																								
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l				NA			NA						NA			NA			NA			NA		
Diethyl Phthalate	6000	ug/l																0.3	J	10	0.4	J	10			
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																								
2,6-Dinitrotoluene	NS	ug/l																			0.9	J	10			
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l																								
2-Methylphenol	NS	ug/l																								
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l																4	J	10	7	J	10			
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Semivolatile Organics

		Location ID:	MW-21D			MW-21D			MW-21D			MW-22D			MW-22D			MW-24D			MW-25D			MW-26D		
		Sample Date:	10/22/1998			09/25/2002			06/28/2007			09/25/2002			06/28/2007			06/26/2007			06/25/2007			06/26/2007		
		Sample Type:	N			N			N			N			N			N			N			N		
Parameter	GWQS	Unit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	400	ug/l																								
Benzo[b]fluoranthene	0.2	ug/l																								
Benzo[k]fluoranthene	0.5	ug/l																								
Bis(2-ethylhexyl) Phthalate	3	ug/l																			**4**	J	10			
Butylbenzyl Phthalate	100	ug/l																								
1,2-Dichlorobenzene	600	ug/l				NA			NA			NA			NA			NA			NA			NA		
Diethyl Phthalate	6000	ug/l																								
2,4-Dimethylphenol	100	ug/l																								
Di-n-Butyl Phthalate	700	ug/l																			2	J	10			
2,6-Dinitrotoluene	NS	ug/l																								
Di-n-octyl Phthalate	100	ug/l																								
Fluoranthene	300	ug/l																								
Isophorone	40	ug/l																								
2-Methylnaphthalene	NS	ug/l																								
4-Methylphenol	NS	ug/l	34		10																					
2-Methylphenol	NS	ug/l	3	J	10																					
Naphthalene	300	ug/l																								
Nitrobenzene	6	ug/l																								
Pentachlorophenol	0.3	ug/l																								
Phenanthrene	NS	ug/l																								
Phenol	2000	ug/l	9	J	10				3	J	10															
Pyrene	200	ug/l																								

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D		
		Sample	04/17/1996			09/18/1996			11/05/1997			10/27/1998			12/14/1999			12/07/2000			11/28/2001		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**229**		200	77	B	200	118	B	200							30.5	B	200			
Antimony	ug/l	6	5.6	B	60																		
Arsenic	ug/l	3				2.6	B	10				2.2	B	10									
Barium	ug/l	6000	29.7	B	200	25.4	B	200	24.4	B	200	21.9	B	200	24.1	B	200	24.6	B	200	23.9	J	200
Beryllium	ug/l	1	0.59	B	5				0.56	B	5												
Cadmium	ug/l	4										2.7	B	5									
Calcium	ug/l	NS	251000		5000	262000		5000	255000		5000	259000		5000	273000		5000	274000		5000	259000		5000
Chromium	ug/l	70	**348**		10	33.2		10	30.9		10	**144**		10	40.7		10	**205**	J	10	**147**		10
Cobalt	ug/l	NS	2.4	B	50							0.54	B	50				0.87	B	50			
Copper	ug/l	1300	8.9	B	25	3.9	B	25	2.1	B	25	2.1	B	25				2	B	25	9	J	25
Cyanide	ug/l	100								NA			NA			NA			NA			NA	
Iron	ug/l	300	**1300**		100	180		100	79.5	B	100	**584**	J	100	151		100	**797**		100	**430**		100
Lead	ug/l	5	**6.5**		3				2.4	B	3	1.4	B	3									
Magnesium	ug/l	NS	15900		5000	16800		5000	16800		5000	16400		5000	17100		5000	17000		5000	16700		5000
Manganese	ug/l	50	27.8		15	**104**		15	**101**		15	**123**		15	**125**		15	**138**		15	**133**		15
Mercury	ug/l	2													0.14	B	0.2						
Nickel	ug/l	100	**155**		40	15.5	B	40	5.5	B	40	46.6		40	14.1	B	40	23.7	B	40	29.7	J	40
Potassium	ug/l	NS	2280	B	5000	1940	J	5000	1940	B	5000	1880	J	5000	1990	B	5000	2030	J	5000	1970	J	5000
Selenium	ug/l	40																					
Silver	ug/l	40																					
Sodium	ug/l	50000	**56400**		5000	**61700**		5000	**65000**		5000	**66400**		5000	**68200**		5000	**68400**		5000	**70000**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	9.5	B	50	3.6	B	50	2	B	50	1.3	B	50	0.98	B	50	2.5	B	50	1.4	J	50
Zinc	ug/l	2000	32.9	*	20	31.6	J	20	27		20	21.2		20	18.9	B	20	6.9	B	20	4.7	J	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D		
		Sample	09/24/2002			11/05/2003			11/16/2004			11/09/2005			11/09/2005			11/07/2006			07/05/2007		
		Sample Type:	N			N			N			FD			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	67.5	B	200																		
Antimony	ug/l	6	2.2	B	60																		
Arsenic	ug/l	3																					
Barium	ug/l	6000	24.4	J	200	48.9	B	200	22.1	B	200	21.9	J	200	24.3	J	200	22	J	200			
Beryllium	ug/l	1							0.77	B	5												
Cadmium	ug/l	4																					
Calcium	ug/l	NS	279000		5000	269000		5000	272000		5000	269000		5000	283000		5000	303000		5000	258000		5000
Chromium	ug/l	70	47.6		10	37.4		10	37.8		10	11.3	J	10	34	J	10	13.6		10			
Cobalt	ug/l	NS	0.97	B	50				1.5	B	50												
Copper	ug/l	1300													8.8	J	25						
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA			NA	
Iron	ug/l	300	210		100	88.9	B	100	155		100				218	J	100						
Lead	ug/l	5																					
Magnesium	ug/l	NS	18200		5000	17800		5000	17800		5000	17200		5000	18000		5000	18600		5000	17000		5000
Manganese	ug/l	50	**131**		15	**129**		15	**125**		15	**118**		15	**132**		15	**127**		15	**112**		15
Mercury	ug/l	2																					
Nickel	ug/l	100	20.6	J	40	31.1	B	40	25.7	B	40	14.3	J	40	23.5	J	40	13.6	J	40			
Potassium	ug/l	NS	1850	J	5000	1580	B	5000	1540	B	5000	1660	J	5000	1740	J	5000	1360	J	5000			
Selenium	ug/l	40																					
Silver	ug/l	40																					
Sodium	ug/l	50000	**69500**		5000	**70400**		5000	**64100**		5000	**60800**		5000	**63600**		5000	**69400**		5000	**62300**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	1.4	B	50	0.72	B	50	1.5	J,B	50												
Zinc	ug/l	2000	3.9	B	20	8.3	B	20	3.7	B	20												

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D		
		Sample	04/18/1996			09/18/1996			11/05/1997			10/27/1998			12/17/1999			12/07/2000			11/29/2001		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**310**		200	112	B	200	72.4	B	200	29.8	B	200				29.5	B	200			
Antimony	ug/l	6																					
Arsenic	ug/l	3										1.8	B	10									
Barium	ug/l	6000	13.6	B	200	16.2	B	200	15.1	B	200	12.9	B	200	13.6	B	200	14.2	B	200	13	J	200
Beryllium	ug/l	1							0.46	B	5	0.25	B	5									
Cadmium	ug/l	4										1.2	B	5									
Calcium	ug/l	NS	101000		5000	104000		5000	103000		5000	96600		5000	97000		5000	102000		5000	93300		5000
Chromium	ug/l	70	69.1		10	7.9	B	10	62.9		10	50.4		10	9.8	B	10	8.3	J	10	4.3	J	10
Cobalt	ug/l	NS	1.2	B	50	0.98	B	50	2.5	B	50	1.5	B	50									
Copper	ug/l	1300	9.6	B	25	3.9	B	25	3.5	B	25	4.9	B	25	3.4	B	25	4.9	B	25	2.2	J	25
Cyanide	ug/l	100								NA			NA			NA			NA			NA	
Iron	ug/l	300	**820**		100	96.9	B	100	**320**		100				46.6	B	100	56.1	B	100	27.3	J	100
Lead	ug/l	5	**6.8**		3	1.6	B	3	4.7		3	2.4	B	3	2.4	B	3						
Magnesium	ug/l	NS	11300		5000	12100		5000	12600		5000	12100		5000	12000		5000	12600		5000	12800		5000
Manganese	ug/l	50	**56.5**		15	**74.5**		15	41.2		15	31.4		15	38.9		15	39.7		15	33.5		15
Mercury	ug/l	2													0.13	B	0.2						
Nickel	ug/l	100	74.4		40	20.2	B	40	12.1	B	40	19.6	B	40	6.7	B	40	8	B	40	4.4	J	40
Potassium	ug/l	NS	2450	B	5000	2290	J	5000	2330	B	5000	2410	J	5000	2450	B	5000	2720	J	5000	2560	J	5000
Selenium	ug/l	40																					
Silver	ug/l	40																					
Sodium	ug/l	50000	**51300**		5000	**52700**		5000	**55700**		5000	**57200**		5000	**57000**		5000	**62500**		5000	**56900**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	13.2	B	50	8	B	50	9.6	B	50	9.7	B	50	7.7	B	50	9.4	B	50	8.6	J	50
Zinc	ug/l	2000	16.9	B,*	20	30.1	J	20	56.8		20	31.8		20	11.1	B	20	26.1		20	9.2	J	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D		
		Sample	09/17/2002			11/05/2003			11/18/2004			11/09/2005			11/07/2006			11/07/2006			07/05/2007		
		Sample Type:	N			N			N			N			FD			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200				23.4	B	200															
Antimony	ug/l	6																					
Arsenic	ug/l	3	**3.8**	B	10																		
Barium	ug/l	6000	13	B	200	40.8	B	200	13.1	B	200	15.3	J	200	15	J	200	14.6	J	200			
Beryllium	ug/l	1							0.97	B	5												
Cadmium	ug/l	4																					
Calcium	ug/l	NS	94700		5000	99000		5000	92900		5000	112000		5000	97400		5000	93100		5000	89300		5000
Chromium	ug/l	70	8.4	B	10	6	B	10	5	B	10	1.5	J	10	11.8		10	11.1		10			
Cobalt	ug/l	NS							0.72	B	50												
Copper	ug/l	1300	3.8	B	25	3.2	B	25	4.8	B	25	35.9		25									
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA			NA	
Iron	ug/l	300							22	B	100	33.3	J	100									
Lead	ug/l	5	**5.5**	J	3	3.6		3				**16.5**		3	1.8	J	3	2	J	3			
Magnesium	ug/l	NS	12600		5000	13400		5000	13500		5000	13300		5000	15400		5000	15100		5000	13300		5000
Manganese	ug/l	50	35.1		15	41.5		15	33		15	**71.3**		15	25.7		15	22.4		15	**54.2**		15
Mercury	ug/l	2																					
Nickel	ug/l	100	7.5	B	40	5.4	B	40	4.4	B	40	5	J	40	9.3	J	40	8.3	J	40			
Potassium	ug/l	NS	2960	J	5000	2460	B	5000	2400	B	5000	2380	J	5000	2390	J	5000	2360	J	5000			
Selenium	ug/l	40	2.6	J	5																		
Silver	ug/l	40	0.63	B	10																		
Sodium	ug/l	50000	**55200**	J	5000	**68400**		5000	**61700**		5000	**57800**		5000	**74200**		5000	**73000**		5000	**63700**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	9.4	B	50	8.2	B	50	8.7	J,B	50	4	J	50	9.5	J	50	9.6	J	50			
Zinc	ug/l	2000	49.3		20	21.8		20	16.1	B	20	345		20									

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-8D			MW-8D			MW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D		
		Sample	04/18/1996			09/18/1996			11/05/1997			10/20/1998			12/15/1999			12/06/2000			11/27/2001		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**1440**		200	**3540**		200	**1300**		200	**258**		200	**570**		200	**591**		200	**416**		200
Antimony	ug/l	6										1.9	B	60									
Arsenic	ug/l	3				**5**	B	10															
Barium	ug/l	6000	36.1	B	200	55.5	B	200	44.2	B	200	161	B	200	90	B	200	68.4	B	200	64.4	J	200
Beryllium	ug/l	1				0.17	B	5	0.61	B	5												
Cadmium	ug/l	4	0.72	B	5	0.61	B	5				2.3	B	5									
Calcium	ug/l	NS	183000		5000	218000		5000	233000		5000	216000		5000	113000		5000	101000		5000	97200		5000
Chromium	ug/l	70	6.8	B	10	14.6		10	**88.2**		10	**123**		10	**143**		10	**95.4**	J	10	29.1		10
Cobalt	ug/l	NS	1	B	50	2.1	B	50	3.6	B	50	0.7	B	50									
Copper	ug/l	1300	10.7	B	25	8.9	B	25	4.6	B	25	6.6	B	25	7	B	25	6	B	25	15.8	J	25
Cyanide	ug/l	100	10	UN	10					NA			NA			NA			NA			NA	
Iron	ug/l	300	**1740**		100	**4280**		100	**2010**		100				108		100	119		100	130		100
Lead	ug/l	5	2.7	B	3	3.7		3	2.5	B	3	1.5	B	3	1.8	B	3						
Magnesium	ug/l	NS	26300		5000	30600		5000	35600		5000	1020	B	5000	280	B	5000	352	B	5000	209	J	5000
Manganese	ug/l	50	**193**		15	**278**		15	**308**		15	2.6	B	15	1.3	B	15	2.1	B	15	5.7	J	15
Mercury	ug/l	2													0.13	B	0.2						
Nickel	ug/l	100	9.2	B	40	16.8	B	40	23.5	B	40	2.5	B	40	2.1	B	40	4.2	B	40	5.1	J	40
Potassium	ug/l	NS	6720		5000	5920	J	5000	4260	B	5000	31600	J	5000	19800		5000	14100	J	5000	11900	J	5000
Selenium	ug/l	40																					
Silver	ug/l	40																					
Sodium	ug/l	50000	**161000**		5000	**186000**		5000	**212000**		5000	**104000**		5000	**94900**		5000	**93300**		5000	**90600**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	6.4	B	50	6.5	B	50	2.9	B	50	9.3	B	50	46.4	B	50	71.6		50	75.6		50
Zinc	ug/l	2000	31.9	*	20	27.9	J	20	36.5		20	2.6	B	20							1.7	J	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D			MW-10D		
		Sample	09/17/2002			11/03/2003			11/18/2004			11/09/2005			11/08/2006			06/28/2007			09/20/1996		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**382**		200	**331**		200	**464**		200	**615**	J	200	**757**		200				193	B	200
Antimony	ug/l	6							**6.1**	B	60										3.5	B	60
Arsenic	ug/l	3																			2.6	B	10
Barium	ug/l	6000	56.5	B	200	78.7	J	200	21.1	B	200	36.7	J	200	29.3	J	200				40.9	B	200
Beryllium	ug/l	1							0.55	B	5												
Cadmium	ug/l	4																			0.31	B	5
Calcium	ug/l	NS	102000		5000	105000		5000	36100		5000	70600		5000	65300		5000	22600		5000	88300		5000
Chromium	ug/l	70	13.8		10	20.8		10	6.7	B	10	8.3	J	10	20.8		10				**373**		10
Cobalt	ug/l	NS	2.2	B	50																0.54	B	50
Copper	ug/l	1300	3.4	B	25	5.7	B	25	4.4	B	25	3.8	J	25	15.3	J	25				8.6	B	25
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA				
Iron	ug/l	300	58.4	B	100	225		100	**499**		100	**1070**		100	**2260**	J	100	185	J	100	162		100
Lead	ug/l	5				2.2	B	3				**5.5**		3	3.4		3				1.7	B	3
Magnesium	ug/l	NS	205	B	5000	48	B	5000	865	B	5000	379	J	5000	748	J	5000				527	B	5000
Manganese	ug/l	50	1.3	B	15	3.5	B	15	14.4	B	15	16.6		15	40.5		15				4.3	B	15
Mercury	ug/l	2																					
Nickel	ug/l	100	2.9	B	40	1.5	B	40	3.5	B	40	8.5	J	40	17.9	J	40				13	B	40
Potassium	ug/l	NS	10400	J	5000	7900	J	5000	8510		5000	4830	J	5000	3620	J	5000				41100	J	5000
Selenium	ug/l	40	4.4	J	5													5.4		5			
Silver	ug/l	40				0.83	B	10															
Sodium	ug/l	50000	**83500**	J	5000	**86300**		5000	24600		5000	**51800**		5000	45700		5000	24400		5000	**82100**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	69.7		50	76.7		50	25.7	J,B	50	26.2	J	50	39.5	J	50				48.1	B	50
Zinc	ug/l	2000	4.1	B	20	6.7	B	20	11.1	B	20	23.8		20	46.2		20	55.2		20	16.7	J	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-10D			MW-10D			MW-11D			MW-11D			MW-11D			RMW-11D			RMW-11D		
		Sample	10/21/1998			09/19/2002			04/21/1996			09/24/1996			11/06/1997			10/27/1998			12/16/1999		
		Sample Type:	N			N			N			N			N			N			FD		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**219**		200	171	B	200	**1530**		200	**632**		200	**1440**		200	129	B	200	**274**		200
Antimony	ug/l	6																					
Arsenic	ug/l	3	**3.1**	B	10	**6.3**	B	10										2	B	10			
Barium	ug/l	6000	38.4	B	200	23.1	B	200	27.9	B	200	31.4	B	200	38.4	B	200	126	B	200	61.4	B	200
Beryllium	ug/l	1							0.31	B	5				0.52	B	5						
Cadmium	ug/l	4																1.7	B	5			
Calcium	ug/l	NS	43700		5000	37600		5000	131000		5000	148000		5000	126000		5000	162000		5000	118000		5000
Chromium	ug/l	70				41.1		10	4.8	B	10	4.1	B	10	15.7		10	50.3		10			
Cobalt	ug/l	NS	2.1	B	50	0.83	B	50				0.61	B	50	1.7	B	50						
Copper	ug/l	1300	12.4	B	25	10	B	25	7.1	B	25	5.4	B	25	4.6	B	25	7.2	B	25	2	B	25
Cyanide	ug/l	100		NA			NA									NA			NA			NA	
Iron	ug/l	300				232	J	100	**1250**		100	**650**		100	**1430**		100				25.2	B	100
Lead	ug/l	5				4.7		3	3.6		3	2.8	B	3	3.8		3	1.9	B	3	1.9	B	3
Magnesium	ug/l	NS	688	B	5000	2380	B	5000	9190		5000	5620		5000	5460		5000	307	B	5000	1960	B	5000
Manganese	ug/l	50	12.3	B	15	8	B	15	**80.6**		15	41.8		15	**52**		15	2.4	B	15	0.4	B	15
Mercury	ug/l	2																			0.11	B	0.2
Nickel	ug/l	100	89.8		40	16.8	B	40	3.8	B	40	6	B	40	6.6	B	40	4.2	B	40	1.5	B	40
Potassium	ug/l	NS	19100	J	5000	21000	J	5000	2670	B	5000	2510	J	5000	2340	B	5000	58800	J	5000	34900		5000
Selenium	ug/l	40	3.4	B	5	1.9	J	5															
Silver	ug/l	40	1.5	B	10	0.79	B	10															
Sodium	ug/l	50000	**93900**		5000	**86900**	J	5000	**56700**		5000	**63600**		5000	**52200**		5000	**72200**		5000	**65600**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	88.7		50	61.6		50	12.3	B	50	6.4	B	50	16.7	B	50	13.5	B	50	15.5	B	50
Zinc	ug/l	2000	10	B	20	24.2		20	24.9	*	20				14.4	B	20	6.7	B	20	4.1	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D		
		Sample	12/16/1999			12/06/2000			12/06/2000			11/28/2001			11/28/2001			09/19/2002			11/04/2003		
		Sample Type:	N			FD			N			FD			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**310**		200	**330**		200	**350**		200	113	J	200	133	J	200	153	B	200	**373**		200
Antimony	ug/l	6																2.7	B	60			
Arsenic	ug/l	3																			1.6	B	10
Barium	ug/l	6000	64.2	B	200	34.6	B	200	34.8	B	200	23.9	J	200	25.9	J	200	36.1	J	200	44.6	B	200
Beryllium	ug/l	1																0.24	B	5			
Cadmium	ug/l	4																0.36	B	5			
Calcium	ug/l	NS	123000		5000	77500		5000	75200		5000	32000		5000	33200		5000	29100		5000	20200		5000
Chromium	ug/l	70	2.1	B	10	11	J	10	6.9	J	10	7.3	J	10	7.5	J	10	9	B	10	64.6		10
Cobalt	ug/l	NS				1.1	B	50	0.89	B	50							3.5	B	50	1.5	B	50
Copper	ug/l	1300	2.6	B	25	3.6	B	25	4.2	B	25	4.6	J	25	5	J	25	4.2	B	25	13	B	25
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA			NA	
Iron	ug/l	300	49.1	B	100	132		100	93.8	B	100	168		100	182		100	269		100	**3470**		100
Lead	ug/l	5	1.9	B	3													1.6	J	3	**8.6**		3
Magnesium	ug/l	NS	1710	B	5000	1830	B	5000	1590	B	5000	476	J	5000	515	J	5000	624	B	5000	489	B	5000
Manganese	ug/l	50	0.99	B	15	2.7	B	15	2.2	B	15	8.6	J	15	9	J	15	14.5	B	15	**101**		15
Mercury	ug/l	2	0.11	B	0.2																		
Nickel	ug/l	100	1.6	B	40	9.5	B	40	6	B	40	8.3	J	40	8.8	J	40	8.9	J	40	47.4		40
Potassium	ug/l	NS	37800		5000	30600	J	5000	33700	J	5000	18300	J	5000	19300	J	5000	13400	J	5000	11100		5000
Selenium	ug/l	40																					
Silver	ug/l	40																0.76	B	10			
Sodium	ug/l	50000	**68800**		5000	**59700**		5000	**60700**		5000	46300		5000	48200		5000	30200		5000	17600		5000
Thallium	ug/l	2																**2.6**	B	10			
Vanadium	ug/l	NS	16.9	B	50	12.6	B	50	13.8	B	50	13.7	J	50	14.4	J	50	13.8	J	50	9.1	B	50
Zinc	ug/l	2000				5.7	B	20	5.5	B	20	9.6	J	20	9.3	J	20	9.5	B	20	198		20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	RMW-11D			RMW-11D			RMW-11D			RMW-11D			MW-12D			MW-12D			MW-12D		
		Sample	11/16/2004			11/10/2005			11/07/2006			07/02/2007			04/21/1996			09/23/1996			11/04/1997		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**206**		200	**400**	J	200	**233**		200				**6980**		200	**395**		200	**463**		200
Antimony	ug/l	6	2.9	B	60																		
Arsenic	ug/l	3																					
Barium	ug/l	6000	23	B	200	26.2	J	200	24.2	J	200				86.4	B	200	78.2	B	200	73	B	200
Beryllium	ug/l	1	0.68	B	5										0.42	B	5				0.54	B	5
Cadmium	ug/l	4																0.34	B	5			
Calcium	ug/l	NS	24000		5000	17700		5000	18200		5000	8270	J	5000	146000		5000	176000		5000	133000		5000
Chromium	ug/l	70	9.1	B	10	37.3		10	19		10	11.8		10	14.5		10	3.4	B	10	21.3		10
Cobalt	ug/l	NS													3.2	B	50				2.1	B	50
Copper	ug/l	1300	6.3	B	25	21.4	J	25							21.6	B	25	15.5	B	25	4.1	B	25
Cyanide	ug/l	100		NA			NA			NA			NA									NA	
Iron	ug/l	300	**380**		100	**2110**		100	**964**	J	100	261	J	100	**7560**		100	**609**		100	**799**		100
Lead	ug/l	5				**6.3**		3	2.3	J	3				**16.1**		3	1.7	B	3	3.2		3
Magnesium	ug/l	NS	289	B	5000	756	J	5000							28000		5000	36900		5000	32400		5000
Manganese	ug/l	50	14.6	B	15	**82.7**		15	42.2		15				**674**		15	**817**		15	**776**		15
Mercury	ug/l	2																					
Nickel	ug/l	100	7.9	B	40	37.3	J	40	15.1	J	40				12.8	B	40	4.9	B	40	9.4	B	40
Potassium	ug/l	NS	14500		5000	18500		5000	13500		5000	13600	J	5000	5250		5000	2410	J	5000	2400	B	5000
Selenium	ug/l	40																					
Silver	ug/l	40																					
Sodium	ug/l	50000	24800		5000	24800		5000	21700		5000	20200		5000	**115000**		5000	**179000**		5000	**181000**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	10.3	J,B	50	9.8	J	50	10	J	50				18.7	B	50	0.92	B	50	1.5	B	50
Zinc	ug/l	2000	22		20	99.4		20	32.6		20				89.6	*	20	33.4	J	20	25.5		20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D		
		Sample	11/05/1998			12/16/1999			12/06/2000			11/28/2001			09/26/2002			11/04/2003			11/16/2004		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	133	B	200	**276**		200	**514**		200	**335**		200	**307**		200	**474**		200	**345**		200
Antimony	ug/l	6	2.1	B	60										2.4	B	60						
Arsenic	ug/l	3													2.2	B	10						
Barium	ug/l	6000	262		200	146	B	200	128	B	200	104	J	200	97.9	B	200	99.6	B	200	23.1	B	200
Beryllium	ug/l	1													0.27	B	5				0.71	B	5
Cadmium	ug/l	4	2.9	B	5										0.22	B	5						
Calcium	ug/l	NS	292000		5000	227000		5000	178000		5000	204000		5000	195000		5000	221000		5000	29700		5000
Chromium	ug/l	70	**587**		10	**204**		10	**150**	J	10	46.8		10	18.2		10	48.2		10	64.1		10
Cobalt	ug/l	NS	0.88	B	50				0.68	B	50				1.9	B	50	0.9	B	50	0.36	B	50
Copper	ug/l	1300	19.2	B	25	15.9	B	25	9.5	B	25	17.6	J	25	3.2	B	25	12.2	B	25	9.4	B	25
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA			NA	
Iron	ug/l	300	149	B	100	85.5	B	100	117		100	**788**		100	59.1	B	100	**1060**		100	**1060**		100
Lead	ug/l	5				2.6	B	3							1	B	3	**6.1**		3	2.5	B	3
Magnesium	ug/l	NS	277	B	5000	42.6	B	5000	28.9	B	5000	94.6	J	5000	136	B	5000	132	B	5000	2630	B	5000
Manganese	ug/l	50	2.6	B	15	1.2	B	15	2	B	15	8.5	J	15	2	B	15	27.9		15	20.5		15
Mercury	ug/l	2				0.11	B	0.2															
Nickel	ug/l	100	9.4	B	40	6.8	B	40	7.9	B	40	4.9	J	40	4.5	B	40	29.9	B	40	15.1	B	40
Potassium	ug/l	NS	151000	J	5000	107000		5000	86300	J	5000	42300	J	5000	24400		5000	22100		5000	12600		5000
Selenium	ug/l	40	2.6	B	5																		
Silver	ug/l	40																					
Sodium	ug/l	50000	**203000**		5000	**187000**		5000	**196000**		5000	**162000**		5000	**119000**		5000	**128000**		5000	21200		5000
Thallium	ug/l	2													**4.6**	B	10						
Vanadium	ug/l	NS	10.6	B	50	64.4		50	73.8		50	81.4		50	79.2		50	72.6		50	8.4	J,B	50
Zinc	ug/l	2000	5.1	J	20	3.8	B	20	8.2	B	20	2.9	J	20				67.2		20	45.5		20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	RMW-12D			RMW-12D			RMW-12D			MW-13D			MW-13D			MW-13D			MW-13D		
		Sample	11/10/2005			11/08/2006			06/29/2007			11/12/1995			11/12/1995			11/12/1995			01/21/1996		
		Sample Type:	N			N			N			N			FD			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**268**	J	200	**338**		200	**400**		200	**224**		200	**1360**		200	**1220**		200	**494**		200
Antimony	ug/l	6													2.3	B	60						
Arsenic	ug/l	3																					
Barium	ug/l	6000	22	J	200	30	J	200				88.6	B	200	162	B	200	145	B	200	112	B	200
Beryllium	ug/l	1													0.12	B	5				0.48	B	5
Cadmium	ug/l	4													2.7	B	5	2.3	B	5	0.41	B	5
Calcium	ug/l	NS	32700		5000	43400		5000	31500		5000	161000		5000	224000		5000	219000		5000	172000		5000
Chromium	ug/l	70	29.7		10	35.2		10	12.5		10	**131**		10	**436**		10	**337**		10	46.9		10
Cobalt	ug/l	NS	0.85	J	50							0.82	B	50	3.7	B	50	2.6	B	50			
Copper	ug/l	1300	23.9	J	25	14	J	25				1.2	B	25	19.4	B	25	15.3	B	25	6.5	B	25
Cyanide	ug/l	100		NA			NA			NA												NA	
Iron	ug/l	300	**927**		100	**1850**	J	100	**919**	J	100	**594**		100	**2620**		100	**2050**		100	**452**		100
Lead	ug/l	5	4.1		3	2.6	J	3							2.4	B	3	1.9	B	3			
Magnesium	ug/l	NS	3420	J	5000	4570	J	5000				7650		5000	1450	B	5000	1340	B	5000	1500	B	5000
Manganese	ug/l	50	27.8		15	**60.9**		15	31.9	J	15	18.3		15	**55.2**		15	42.7		15	10.1	B	15
Mercury	ug/l	2																					
Nickel	ug/l	100	44.8	J	40	34.3	J	40				76.9		40	**175**		40	**122**		40	17.6	B	40
Potassium	ug/l	NS	7800		5000	7310		5000	6400	J	5000	12700		5000	63700		5000	63200		5000	25300		5000
Selenium	ug/l	40																					
Silver	ug/l	40																					
Sodium	ug/l	50000	9010		5000	11900		5000	14900		5000	**102000**		5000	**90900**		5000	**89400**		5000	**85600**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	6.7	J	50	7.8	J	50				4.7	B	50	16.8	B	50	15.7	B	50	14.1	B	50
Zinc	ug/l	2000	47		20	52.2		20	30.7		20	4.5	B	20	49.3		20	46.6		20	14.2	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-13D			MW-13D			MW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D		
		Sample	01/21/1996			04/21/1996			09/23/1996			11/04/1997			10/23/1998			12/16/1999			12/07/2000		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**1060**		200	**578**		200	128	B	200	123	B	200	191	B	200	177	B	200	**402**		200
Antimony	ug/l	6	2.1	B	60							3.1	B	60									
Arsenic	ug/l	3							**3.2**	B	10										**3.4**	B	10
Barium	ug/l	6000	39.4	B	200	99	B	200	45.4	B	200	40.6	B	200	40.1	B	200	69.9	B	200	69.1	B	200
Beryllium	ug/l	1	0.41	B	5							0.75	B	5									
Cadmium	ug/l	4													1.8	B	5						
Calcium	ug/l	NS	128000		5000	175000		5000	179000		5000	176000		5000	177000		5000	140000		5000	152000		5000
Chromium	ug/l	70	**235**		10	34.2		10	1.7	B	10	5.5	B	10				3.9	B	10	3.6	J	10
Cobalt	ug/l	NS	1.3	B	50							2.9	B	50									
Copper	ug/l	1300	13.4	B	25	8	B	25	3.6	B	25	1.1	B	25				1.2	B	25	3.6	B	25
Cyanide	ug/l	100		NA									NA			NA			NA			NA	
Iron	ug/l	300	**2140**		100	**721**		100	53.5	B	100	182		100				279		100	**744**		100
Lead	ug/l	5	**6.9**		3													2	B	3			
Magnesium	ug/l	NS	10100		5000	1790	B	5000	12900		5000	12600		5000	11400		5000	9370		5000	11500		5000
Manganese	ug/l	50	37.5		15	13.8	B	15	24.5		15	32.2		15	19.6		15	14.4	B	15	**112**		15
Mercury	ug/l	2																0.13	B	0.2			
Nickel	ug/l	100	54		40	18	B	40	3.5	B	40	7	B	40	4.8	B	40	2.9	B	40	7	B	40
Potassium	ug/l	NS	3490	B	5000	16600		5000	5130	J	5000	4450	B	5000	5530	J	5000	5210		5000	6580	J	5000
Selenium	ug/l	40																					
Silver	ug/l	40																					
Sodium	ug/l	50000	**71300**		5000	**86000**		5000	**86900**		5000	**84200**		5000	**81600**		5000	**67800**		5000	**117000**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	9.1	B	50	14	B	50	1.6	B	50	1.7	B	50	5.1	B	50	2.5	B	50	1.7	B	50
Zinc	ug/l	2000	17.4	B	20	61.4	*	20													14	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D		
		Sample	11/28/2001			09/23/2002			01/02/2003			11/10/2003			11/16/2004			11/10/2005			11/09/2006		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200							**454**		200	**204**		200	**357**		200						
Antimony	ug/l	6																					
Arsenic	ug/l	3																					
Barium	ug/l	6000	109	J	200	100	J	200	101	B	200	138	J	1000	79.3	B	200	77.1	J	200	44.8	J	200
Beryllium	ug/l	1													0.74	B	5						
Cadmium	ug/l	4																					
Calcium	ug/l	NS	137000		5000	132000		5000	127000		5000	155000		5000	147000		5000	144000		5000	36500		5000
Chromium	ug/l	70	0.91	J	10	0.82	B	10	3.5	B	10	1.9	B	10	3.9	B	10	3.1	J	10			
Cobalt	ug/l	NS	1.8	J	50										1	B	50						
Copper	ug/l	1300	4.7	J	25				2.3	B	25	3.5	B	25	6.1	B	25	1.8	J	25			
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA			NA	
Iron	ug/l	300	**382**		100	286		100	**956**		100	**552**		100	**805**		100	**356**		100	**400**	J	100
Lead	ug/l	5							3.3		3	2.7	B	3	3	B	3	3.5		3	2.7	J	3
Magnesium	ug/l	NS	10700		5000	10600		5000	10000		5000	11800		5000	11500		5000	11500		5000	3060	J	5000
Manganese	ug/l	50	**97.6**		15	**131**		15	**154**		15	**177**		15	**89.6**		15	**84.5**		15	36.3		15
Mercury	ug/l	2																					
Nickel	ug/l	100	2.9	J	40	1.4	B	40	4.7	B	40	2.3	B	40	3.5	B	40	3.5	J	40	4	J	40
Potassium	ug/l	NS	4450	J	5000	3950	J	5000	5930		5000	3880	J	25000	3470	B	5000	4180	J	5000	1490	J	5000
Selenium	ug/l	40																					
Silver	ug/l	40																					
Sodium	ug/l	50000	**108000**		5000	**90200**		5000	**95700**		5000	**227000**		10000	**164000**		5000	**143000**		5000	46400		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	2.3	J	50				1.3	B	50	1.1	B	50	1.7	J,B	50	4.6	J	50	20.9	J	50
Zinc	ug/l	2000	3.7	J	20				26.6		20	20.8		20	22.1		20						

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	RMW-13D			RMW-13D			MW-14D			MW-14D			MW-14D			MW-15D			MW-15D		
		Sample	06/29/2007			06/29/2007			09/23/1996			10/23/1998			09/18/2002			09/24/1996			10/22/1998		
		Sample Type:	FD			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200							**544**		200	100	B	200	14.2	B	200	**389**		200	**837**		200
Antimony	ug/l	6																					
Arsenic	ug/l	3	2.8	J	10				**8**	B	10	**4.1**	B	10	**4.1**	B	10						
Barium	ug/l	6000							61.4	B	200	29.2	B	200	27.8	B	200	108	B	200	91.1	B	200
Beryllium	ug/l	1																					
Cadmium	ug/l	4							0.48	B	5										1	B	5
Calcium	ug/l	NS	58700		5000	55100		5000	103000		5000	65100		5000	84400		5000	123000		5000	96800		5000
Chromium	ug/l	70							**434**		10				7.8	B	10	42		10			
Cobalt	ug/l	NS							0.58	B	50	1.6	B	50	0.99	B	50				1.5	B	50
Copper	ug/l	1300							22.1	B	25	6.1	B	25				8.9	B	25	7.2	B	25
Cyanide	ug/l	100		NA			NA		10.9		10		NA			NA						NA	
Iron	ug/l	300	228	J	100	214	J	100	135		100	**1050**		100	148	J	100	290		100			
Lead	ug/l	5										2.3	B	3				3.2		3	1.2	B	3
Magnesium	ug/l	NS							150	B	5000	2570	B	5000	4970	B	5000	1270	B	5000	441	B	5000
Manganese	ug/l	50	**115**	J	15	**113**	J	15	2.9	B	15	30		15	29.7		15	6.5	B	15	9.7	B	15
Mercury	ug/l	2																					
Nickel	ug/l	100							9	B	40	**103**		40	37.2	B	40	18.9	B	40	35.2	B	40
Potassium	ug/l	NS							101000	J	5000	36200	J	5000	17600	J	5000	14800	J	5000	13500	J	5000
Selenium	ug/l	40							4.1	J	5				3.9	J	5				2.6	B	5
Silver	ug/l	40													0.67	B	10				1.2	B	10
Sodium	ug/l	50000	**130000**		5000	**126000**		5000	**120000**		5000	**71700**		5000	**56800**	J	5000	**55900**		5000	**63800**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS							87.3		50	29.3	B	50	8.2	B	50	21.7	B	50	36.6	B	50
Zinc	ug/l	2000										188		20	52.2		20				5.5	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-15D			MW-16D			MW-16D			MW-16D			MW-17D			MW-17D			MW-17D		
		Sample	09/25/2002			09/23/1996			10/26/1998			09/26/2002			09/19/1996			10/21/1998			09/17/2002		
		Sample Type:	N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200				**246**		200	82.8	B	200	**281**		200	**531**		200	180	B	200	172	B	200
Antimony	ug/l	6																					
Arsenic	ug/l	3							1.8	B	10	2	B	10				1.8	B	10	**3.8**	B	10
Barium	ug/l	6000	7.6	J	200	184	B	200	152	B	200	77.6	B	200	64.6	B	200	42	B	200	52.3	B	200
Beryllium	ug/l	1																					
Cadmium	ug/l	4							3.5	B	5				0.34	B	5	2.1	B	5			
Calcium	ug/l	NS	10000		5000	224000		5000	338000		5000	276000		5000	254000		5000	187000		5000	154000		5000
Chromium	ug/l	70	1.6	B	10	2.1	B	10	5	B	10	1.9	B	10	6.1	B	10				**85.5**		10
Cobalt	ug/l	NS							0.61	B	50				1.7	B	50	1.3	B	50	1.7	B	50
Copper	ug/l	1300				5.8	B	25	2.4	B	25	3.3	B	25	4.7	B	25	4.3	B	25	4.2	B	25
Cyanide	ug/l	100		NA						NA			NA						NA			NA	
Iron	ug/l	300	24.7	B	100	41.9	B	100				142		100	**945**		100				**664**	J	100
Lead	ug/l	5				1.9	B	3				0.86	B	3				1.6	B	3	3.9	J	3
Magnesium	ug/l	NS	361	B	5000	4570	B	5000	3980	B	5000	9830		5000	57300		5000	41900		5000	33900		5000
Manganese	ug/l	50				3.1	B	15	1.7	B	15	6.5	B	15	**1360**		15	**1150**		15	**954**		15
Mercury	ug/l	2																					
Nickel	ug/l	100				4.4	B	40	3.6	B	40	1.2	B	40	41.5		40	23.7	B	40	**152**		40
Potassium	ug/l	NS	1510	J	5000	12100	J	5000	7530	J	5000	4870	B	5000	7640	J	5000	9650	J	5000	5580	J	5000
Selenium	ug/l	40																			3.3	J	5
Silver	ug/l	40																					
Sodium	ug/l	50000	14500		5000	**93100**		5000	**169000**		5000	**136000**		5000	**244000**		5000	**216000**		5000	**210000**	J	5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	9.9	J	50	10	B	50	13.6	B	50	8.9	B	50	1.9	B	50	1.2	B	50	1.2	B	50
Zinc	ug/l	2000										1.9	B	20	13.7	J	20	7.2	B	20	11.8	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-18D			MW-18D			MW-18D			MW-18D			MW-19D			MW-19D			MW-20D		
		Sample	09/19/1996			09/19/1996			10/20/1998			09/17/2002			11/05/1998			09/18/2002			10/26/1998		
		Sample Type:	FD			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**219**		200	**203**		200	**499**		200	113	B	200	**301**		200	**1430**		200	69.8	B	200
Antimony	ug/l	6							2.1	B	60												
Arsenic	ug/l	3										**4.5**	B	10				**4.3**	B	10			
Barium	ug/l	6000	35.1	B	200	35.4	B	200	55	B	200	27	B	200	152	B	200	35.8	B	200	47.6	B	200
Beryllium	ug/l	1																					
Cadmium	ug/l	4							3.1	B	5				1.9	B	5				1.5	B	5
Calcium	ug/l	NS	296000		5000	297000		5000	290000		5000	219000		5000	193000		5000	57900		5000	148000		5000
Chromium	ug/l	70	2.5	B	10	3.2	B	10	**378**		10	12.3		10	9	B	10	35.5		10	17.5		10
Cobalt	ug/l	NS	1	B	50	0.9	B	50	3	B	50	3.7	B	50	0.46	B	50	1.6	B	50	0.62	B	50
Copper	ug/l	1300	6.1	B	25	6.3	B	25	14	B	25	2	B	25	2.4	B	25	5.8	B	25	1	B	25
Cyanide	ug/l	100								NA			NA			NA			NA			NA	
Iron	ug/l	300	128		100	138		100	**2840**		100	74.5	B	100	58.3	B	100	**2290**	J	100			
Lead	ug/l	5	1.9	B	3				1.5	B	3	2.1	J	3							1.1	B	3
Magnesium	ug/l	NS	48500		5000	48500		5000	50800		5000	40900		5000	858	B	5000	1700	B	5000	1460	B	5000
Manganese	ug/l	50	**319**		15	**318**		15	**393**		15	**319**		15	0.77	B	15	43.7		15	2.2	B	15
Mercury	ug/l	2																					
Nickel	ug/l	100	30.6	B	40	29.4	B	40	**205**		40	19.3	B	40	6	B	40	18.9	B	40	11.6	B	40
Potassium	ug/l	NS	5690	J	5000	5690	J	5000	7300	J	5000	5700	J	5000	19600	J	5000	9110	J	5000	12400	J	5000
Selenium	ug/l	40										2.7	J	5	2.6	B	5	2.2	J	5			
Silver	ug/l	40																					
Sodium	ug/l	50000	**199000**		5000	**199000**		5000	**207000**		5000	**210000**	J	5000	**83000**		5000	44200	J	5000	**69500**		5000
Thallium	ug/l	2																					
Vanadium	ug/l	NS	4.7	B	50	4.8	B	50	6	B	50	1.4	B	50	10.2	B	50	14.3	B	50	38.5	B	50
Zinc	ug/l	2000	31.8	J	20	18.4	J	20	125		20	12.1	B	20				377		20	2.4	B	20

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Inorganics Analyses
216 Paterson Plank Road Site
Summary of Validated Analytical Results
Inorganics

		Location ID:	MW-20D			MW-20D			MW-20D			MW-21D			MW-21D			MW-22D		
		Sample	10/24/2002			01/02/2003			01/02/2003			10/22/1998			09/25/2002			09/25/2002		
		Sample Type:	N			FD			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	130	B	200	96.8	B	200	104	B	200	175	B	200						
Antimony	ug/l	6																		
Arsenic	ug/l	3										**3.5**	B	10	1.4	B	10	1.6	B	10
Barium	ug/l	6000	32.5	B	200	25.6	B	200	23.8	B	200	2110		200	662	J	200	65.1	J	200
Beryllium	ug/l	1																		
Cadmium	ug/l	4										**4.4**	B	5						
Calcium	ug/l	NS	197000		5000	104000		5000	87400		5000	396000		5000	62200		5000	203000		5000
Chromium	ug/l	70	13.5		10	5.3	B	10	1.9	B	10				1.6	B	10	7.2	B	10
Cobalt	ug/l	NS	14.1	B	50							2.7	B	50						
Copper	ug/l	1300				3.3	B	25	2	B	25	4	B	25						
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA	
Iron	ug/l	300	**1760**		100	**657**		100	**740**		100	**4370**		100	**2680**		100	62.5	B	100
Lead	ug/l	5										0.74	B	3						
Magnesium	ug/l	NS	13400		5000	7740		5000	6820		5000	98600		5000	28600		5000	45500		5000
Manganese	ug/l	50	30.8		15	19.3		15	19.4		15	**598**		15	**149**		15	**391**		15
Mercury	ug/l	2																		
Nickel	ug/l	100	10.8	B	40	4.4	B	40	2.3	B	40	74.6		40	2.9	B	40	11.8	J	40
Potassium	ug/l	NS	3670	B	5000	6830		5000	7290		5000	43500	J	5000	17700	J	5000	4250	J	5000
Selenium	ug/l	40										2.7	B	5						
Silver	ug/l	40										1.1	B	10						
Sodium	ug/l	50000	**55300**		5000	49100		5000	47300		5000	**842000**		5000	**223000**		5000	**191000**		5000
Thallium	ug/l	2										**4.4**	B	10	**6.4**	B	10	**3.8**	B	10
Vanadium	ug/l	NS	8.6	B	50	8.7	B	50	7.7	B	50	0.59	B	50				0.75	B	50
Zinc	ug/l	2000										26.5		20						

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D		
		Sample Date:	04/17/1996			09/18/1996			11/05/1997			10/27/1998			12/14/1999			12/07/2000		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS	0.0022	*	0.05				0.029	J	0.05									
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS							0.0064	J,N	0.1									
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40							0.016	J	0.5									

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-5D			MW-5D		
		Sample Date:	11/28/2001			09/24/2002			11/05/2003			11/16/2004			11/09/2005			11/09/2005		
		Sample Type:	N			N			N			N			FD			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-5D			MW-5D			MW-5D			MW-7D			MW-7D			MW-7D		
		Sample Date:	11/07/2006			07/05/2007			07/05/2007			04/18/1996			09/18/1996			11/05/1997		
		Sample Type:	N			FD			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																0.0021	*	0.1
4,4-DDT	ug/l	0.1													0.0064	J	0.1			
delta-BHC	ug/l	NS										0.0032	*	0.05				0.021	J,N	0.05
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-7D		
		Sample Date:	10/27/1998			12/17/1999			12/07/2000			11/29/2001			09/17/2002			11/05/2003		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS				0.0063	J	0.05												
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2				0.018	J	0.05												
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-7D			MW-7D			MW-7D			MW-7D			MW-7D			MW-8D		
		Sample Date:	11/18/2004			11/09/2005			11/07/2006			11/07/2006			07/05/2007			04/18/1996		
		Sample Type:	N			N			FD			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-8D			MW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D		
		Sample Date:	09/18/1996			11/05/1997			10/20/1998			12/15/1999			12/06/2000			11/27/2001		
		Sample Type:	N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																0.02	J	0.05
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1				0.0096	JN	0.1												
delta-BHC	ug/l	NS				0.055	*	0.05												
Dieldrin	ug/l	0.03				0.0089	J	0.1												
Endrin	ug/l	2				0.0079	JN	0.1												
Endrin Ketone	ug/l	NS				0.0033	*	0.1												
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D			RMW-8D		
		Sample Date:	09/17/2002			11/03/2003			11/18/2004			11/09/2005			11/08/2006			06/28/2007		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-10D			MW-10D			MW-10D			MW-11D			MW-11D			MW-11D		
		Sample Date:	09/20/1996			10/21/1998			09/19/2002			04/21/1996			09/24/1996			11/06/1997		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS										0.12	J,N	0.05	0.017	J	0.05	0.047	J,N	0.05
Aroclor 1242	ug/l	NS										66	P	1	14	P	1	24		1
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1										**0.14**		0.1				0.034	J	0.1
4,4-DDT	ug/l	0.1										0.036	*	0.1						
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03													0.021	J,N	0.1			
Endrin	ug/l	2																0.011	*	0.1
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2										0.048	*	0.05				**0.26**	*	0.05
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D		
		Sample Date:	10/27/1998			12/16/1999			12/16/1999			12/06/2000			12/06/2000			11/28/2001		
		Sample Type:	N			FD			N			FD			N			FD		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Aldrin	ug/l	0.04										0.021	J	0.005	0.019	J	0.005			
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04										**0.055**	J	0.005						
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS				0.012	J,B	0.05	0.031	J	0.05									
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D			RMW-11D		
		Sample Date:	11/28/2001			09/19/2002			11/04/2003			11/16/2004			11/10/2005			11/07/2006		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2													0.011	J,P	0.05			
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	RMW-11D			MW-12D			MW-12D			MW-12D			RMW-12D			RMW-12D		
		Sample Date:	07/02/2007			04/21/1996			09/23/1996			11/04/1997			11/05/1998			12/16/1999		
		Sample Type:	N			N			N			N			N			N		
Parameter	Unit	GWQS	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS										0.0072	*	0.05				0.012	J	0.05
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2										0.021	*	0.1						
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40										0.015	J	0.5						

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D			RMW-12D		
		Sample Date:	12/06/2000			11/28/2001			09/26/2002			11/04/2003			11/16/2004			11/10/2005		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	RMW-12D			RMW-12D			MW-13D			MW-13D			MW-13D			MW-13D		
		Sample Date:	11/08/2006			06/29/2007			11/12/1995			11/12/1995			11/12/1995			01/21/1996		
		Sample Type:	N			N			N			FD			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40							0.004	*	0.1									
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03										0.0053	J	0.1						
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40										0.13	*	0.5	0.28	J,N	0.5			

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-13D			MW-13D			MW-13D			RMW-13D			RMW-13D			RMW-13D		
		Sample Date:	01/21/1996			04/21/1996			09/23/1996			11/04/1997			10/23/1998			12/16/1999		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS										0.015	J,N	0.05						
Dieldrin	ug/l	0.03	0.0016	*	0.1															
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS										0.0024	*	0.1						
Heptachlor Epoxide	ug/l	0.2																0.0091	J,N	0.05
Methoxychlor	ug/l	40										0.024	*	0.5						

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D			RMW-13D		
		Sample Date:	12/07/2000			11/28/2001			09/23/2002			01/02/2003			11/10/2003			11/16/2004		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	RMW-13D			RMW-13D			RMW-13D			MW-14D			MW-14D			MW-14D		
		Sample Date:	11/10/2005			11/09/2006			06/29/2007			09/23/1996			10/23/1998			09/18/2002		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-15D			MW-15D			MW-15D			MW-16D			MW-16D			MW-16D		
		Sample Date:	09/24/1996			10/22/1998			09/25/2002			09/23/1996			10/26/1998			09/26/2002		
		Sample Type:	N			N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1	0.1	J	0.1															
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-17D			MW-17D			MW-17D			MW-18D			MW-18D			MW-18D		
		Sample Date:	09/19/1996			10/21/1998			09/17/2002			09/19/1996			09/19/1996			10/20/1998		
		Sample Type:	N			N			N			FD			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-18D			MW-19D			MW-19D			MW-20D			MW-20D			MW-20D		
		Sample Date:	09/17/2002			11/05/1998			09/18/2002			10/26/1998			10/24/2002			01/02/2003		
		Sample Type:	N			N			N			N			N			FD		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04																		
Endosulfan Sulfate	ug/l	40																		
alpha-Chlordane	ug/l	NS																		
Aroclor 1242	ug/l	NS																		
beta-BHC	ug/l	0.04																		
beta-Chlordane	ug/l	NS																		
4,4-DDE	ug/l	0.1																		
4,4-DDT	ug/l	0.1																		
delta-BHC	ug/l	NS																		
Dieldrin	ug/l	0.03																		
Endrin	ug/l	2																		
Endrin Ketone	ug/l	NS																		
Heptachlor Epoxide	ug/l	0.2																		
Methoxychlor	ug/l	40																		

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of CLP Organics Analyses
216 Paterson Plank Road Site
Summary of Detected Analytical Results
Pesticides / PCBs

		Location ID:	MW-20D			MW-21D			MW-21D			MW-22D		
		Sample Date:	01/02/2003			10/22/1998			09/25/2002			09/25/2002		
		Sample Type:	N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04												
Endosulfan Sulfate	ug/l	40												
alpha-Chlordane	ug/l	NS												
Aroclor 1242	ug/l	NS												
beta-BHC	ug/l	0.04												
beta-Chlordane	ug/l	NS												
4,4-DDE	ug/l	0.1												
4,4-DDT	ug/l	0.1												
delta-BHC	ug/l	NS												
Dieldrin	ug/l	0.03												
Endrin	ug/l	2												
Endrin Ketone	ug/l	NS												
Heptachlor Epoxide	ug/l	0.2												
Methoxychlor	ug/l	40												

N = Primary Field Sample
FD = Field Duplicate
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-5D			MW-5D			MW-5D			MW-5D			MW-7D		
		Sample Date:	09/18/1996			10/27/1998			09/24/2002			07/05/2007			09/18/1996		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	26.2		5	19.1		5	26		10	25.3		10	32.6		5
Chloride	mg/l	250	**385**		10	**446**		5	**384**		8	**350**		2	43.9		1
Ethane	mg/l	NS				0.000576		0.000005	0.00087		0.000005	0.0022		0.000025			
Ethene	mg/l	NS				0.006909		0.000005	0.012		0.000005	0.02		0.000025			
Iron	mg/l	0.3					NA			NA			NA				
Methane	mg/l	NS		NA		0.08		0.07	0.15		0.000015	0.15		0.0001		NA	
Nitrate	mg/l	10		NA						NA			NA			NA	
Nitrite	mg/l	1		NA		0.08		0.01		NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10															
Nitrogen, Total Kjeldahl	mg/l	NS	0.37		0.2		NA					0.287		0.25			
Phosphorus	mg/l	NS					NA		0.109		0.1						
Sulfate	mg/l	250	**305**		10	**304**		10	**291**		5	**300**		5	**338**		10
Sulfide	mg/l	NS															
Total Organic Carbon	mg/l	NS										2.48	J	5			

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-7D			MW-7D			MW-7D			MW-8D			RMW-8D		
		Sample Date:	10/27/1998			09/17/2002			07/05/2007			09/18/1996			10/20/1998		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	32.1		5	20		10	27.5		10	38.3		5	334		5
Chloride	mg/l	250	36		1	36.9		2	38.8		2	**454**		10	154		1
Ethane	mg/l	NS	0.000019		0.000005	0.00018		0.000005	0.000021	J	0.000025				0.000424		0.000005
Ethene	mg/l	NS	0.000014		0.000005	0.000024		0.000005	0.000027		0.000025				0.000617		0.000005
Iron	mg/l	0.3		NA			NA			NA						NA	
Methane	mg/l	NS	0.00164		0.000015	0.028		0.000015	0.0062		0.0001		NA		0.0517		0.000015
Nitrate	mg/l	10					NA			NA			NA				
Nitrite	mg/l	1					NA			NA			NA		0.025		0.01
Nitrogen, Nitrate-Nitrite	mg/l	10				0.09		0.05									
Nitrogen, Total Kjeldahl	mg/l	NS		NA		0.2551		0.2				0.26		0.2		NA	
Phosphorus	mg/l	NS		NA								0.14		0.1		NA	
Sulfate	mg/l	250	**346**		10	**372**		5	**329**		5	**366**		10	24.6		10
Sulfide	mg/l	NS				0.56		0.5									
Total Organic Carbon	mg/l	NS										1.3		1	2.4		1

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	RMW-8D			RMW-8D			MW-10D			MW-10D			MW-10D		
		Sample Date:	09/17/2002			06/28/2007			09/20/1996			10/21/1998			09/19/2002		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	130		10	30.4		10	73.5		5	36.2		5	26		10
Chloride	mg/l	250	70.1		2	23.5		2	28.8		1	29		1	27.8		2
Ethane	mg/l	NS	0.00018		0.000005	0.000026		0.000025				0.000047		0.000005	0.000046		0.000005
Ethene	mg/l	NS	0.00013		0.000005	0.000029		0.000025				0.000016		0.000005	0.000056		0.000005
Iron	mg/l	0.3		NA			NA						NA			NA	
Methane	mg/l	NS	0.011		0.000015	0.035		0.0001		NA		0.00081		0.000015	0.00076		0.000015
Nitrate	mg/l	10		NA			NA			NA		0.55		0.11		NA	
Nitrite	mg/l	1		NA			NA			NA		0.043		0.01		NA	
Nitrogen, Nitrate-Nitrite	mg/l	10				1.45		0.05				0.59		0.1	0.435		0.05
Nitrogen, Total Kjeldahl	mg/l	NS	0.7759		0.2	0.774		0.25	0.45		0.2		NA				
Phosphorus	mg/l	NS											NA				
Sulfate	mg/l	250	**283**		5	37		5	**330**		10	**264**		10	**287**		5
Sulfide	mg/l	NS													0.6		0.5
Total Organic Carbon	mg/l	NS				1.98	J	5	1.4		1						

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-11D			RMW-11D			RMW-11D			RMW-11D			MW-12D		
		Sample Date:	09/24/1996			10/27/1998			09/19/2002			07/02/2007			09/23/1996		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	36.9		5	279		5	38		10	34.7		10	267		5
Chloride	mg/l	250	189		10	**623**		1	43.3		2	22.3		2	**494**		10
Ethane	mg/l	NS				0.000095		0.000005	0.00013		0.000005	0.000031		0.000025			
Ethene	mg/l	NS				0.000277		0.000005	0.00016		0.000005	0.00004		0.00003			
Iron	mg/l	0.3					NA			NA			NA		0.223		0.1
Methane	mg/l	NS		NA		0.54		0.07	0.076		0.000015	0.0082		0.0001		NA	
Nitrate	mg/l	10		NA						NA			NA			NA	
Nitrite	mg/l	1		NA						NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10							0.455		0.05	0.395		0.05			
Nitrogen, Total Kjeldahl	mg/l	NS					NA		0.2438		0.2				0.2		0.2
Phosphorus	mg/l	NS					NA		0.1		0.1						
Sulfate	mg/l	250	204		10	197		10	52.7		5	7.89		5	63.8		10
Sulfide	mg/l	NS															
Total Organic Carbon	mg/l	NS	1.5		1	3.4		1				4.59	J	5	2.6	J	1

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	RMW-12D			RMW-12D			RMW-12D			MW-13D			RMW-13D		
		Sample Date:	11/05/1998			09/26/2002			06/29/2007			09/23/1996			10/23/1998		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	636		10	90		10	49.1		10	39.6		5	51.8		5
Chloride	mg/l	250	**375**		25	**450**		8	67.8		2	**308**		10	**269**		5
Ethane	mg/l	NS	0.000103		0.000000015	0.00021		0.000005	0.000027		0.000025				0.000387		0.000005
Ethene	mg/l	NS	0.002186		0.000000015	0.0014		0.000005	0.000011	J	0.000025				0.006214		0.000005
Iron	mg/l	0.3		NA			NA			NA						NA	
Methane	mg/l	NS	0.1		0.07	0.062		0.000015	0.0033		0.0001		NA		0.29		0.07
Nitrate	mg/l	10					NA			NA			NA				
Nitrite	mg/l	1					NA			NA			NA				
Nitrogen, Nitrate-Nitrite	mg/l	10															
Nitrogen, Total Kjeldahl	mg/l	NS		NA		0.3443		0.2								NA	
Phosphorus	mg/l	NS		NA		0.102		0.1								NA	
Sulfate	mg/l	250	157		10	112		5	16		5	227		10	230		10
Sulfide	mg/l	NS															
Total Organic Carbon	mg/l	NS		NA					2.96	J	5						

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	RMW-13D			RMW-13D			RMW-13D			RMW-13D			MW-14D		
		Sample Date:	09/23/2002			01/02/2003			06/29/2007			06/29/2007			09/23/1996		
		Sample Type:	N			N			FD			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	42		10	46		10	41.1		10	41.1		10	150		5
Chloride	mg/l	250	**261**		4	**259**		4	242		4	237		2	80.2		1
Ethane	mg/l	NS	0.0003		0.000005	0.00037		0.000005	0.00026		0.000025	0.00029		0.000025			
Ethene	mg/l	NS	0.0062		0.000005	0.0076		0.000005	0.0011		0.000025	0.0012		0.000025			
Iron	mg/l	0.3		NA			NA			NA			NA				
Methane	mg/l	NS	0.21		0.000015	0.2		0.000015	0.031		0.0001	0.038		0.0001		NA	
Nitrate	mg/l	10		NA			NA			NA			NA			NA	
Nitrite	mg/l	1		NA			NA			NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10													0.18	J	0.1
Nitrogen, Total Kjeldahl	mg/l	NS	0.202		0.2				0.751		0.25	0.684		0.25	1.1		0.2
Phosphorus	mg/l	NS	0.106		0.1				0.0997	J	0.25						
Sulfate	mg/l	250	152		5	158		5	44.8		5	39		5	**393**		10
Sulfide	mg/l	NS				0.5		0.5							3.1		2
Total Organic Carbon	mg/l	NS							4.83	J	5	4.94	J	5	3.6	J	1

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-14D			MW-14D			MW-14D			MW-15D			MW-15D		
		Sample Date:	10/23/1998			09/18/2002			07/02/2007			09/24/1996			10/22/1998		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	58.5		5	30		10	20		10	214		5	243		5
Chloride	mg/l	250	75.9		1	68.7		2	132		2	22.3		1	23.2		1
Ethane	mg/l	NS	0.000052		0.000005	0.000045		0.000005	0.000055		0.000025				0.000255		0.000005
Ethene	mg/l	NS	0.000084		0.000005	0.000051		0.000005	0.00022		0.000025				0.00028		0.000005
Iron	mg/l	0.3		NA			NA			NA						NA	
Methane	mg/l	NS	0.00221		0.000015	0.0015		0.000015	0.011		0.0001		NA		0.03377		0.000015
Nitrate	mg/l	10					NA			NA			NA				
Nitrite	mg/l	1	0.013		0.01		NA			NA			NA				
Nitrogen, Nitrate-Nitrite	mg/l	10				0.215		0.05									
Nitrogen, Total Kjeldahl	mg/l	NS		NA		0.5122		0.2	0.169	J	0.25					NA	
Phosphorus	mg/l	NS		NA												NA	
Sulfate	mg/l	250	213		10	**287**		5	**294**		5	181		10	147		10
Sulfide	mg/l	NS				0.56		0.5									
Total Organic Carbon	mg/l	NS	1.3		1										1.5		1

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-15D			MW-16D			MW-16D			MW-16D			MW-16D		
		Sample Date:	09/25/2002			09/23/1996			10/26/1998			09/26/2002			07/02/2007		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	40		10	172		5	32.1		5	18		10	11.3		10
Chloride	mg/l	250	17.3		2	**372**		10	**776**		5	**619**		8	**532**		8
Ethane	mg/l	NS	0.000032		0.000005				0.000028		0.000005				0.000019	J	0.000025
Ethene	mg/l	NS	0.000019		0.000005				0.000079		0.000005	0.00019		0.000005	0.000081		0.000025
Iron	mg/l	0.3		NA						NA			NA			NA	
Methane	mg/l	NS	0.0084		0.000015		NA		0.19		0.07	0.14		0.000015	0.082		0.0001
Nitrate	mg/l	10		NA			NA						NA			NA	
Nitrite	mg/l	1		NA			NA						NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10	0.275		0.05												
Nitrogen, Total Kjeldahl	mg/l	NS				0.2		0.2		NA					0.443		0.25
Phosphorus	mg/l	NS	0.102		0.1					NA		0.104		0.1			
Sulfate	mg/l	250	171		5	112		10	168		10	183		5	178		5
Sulfide	mg/l	NS															
Total Organic Carbon	mg/l	NS				1.5	J	1									

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-17D			MW-17D			MW-17D			MW-17D			MW-18D		
		Sample Date:	09/19/1996			10/21/1998			09/17/2002			06/27/2007			09/19/1996		
		Sample Type:	N			N			N			N			FD		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	257		5	328		5	270		10	160		10	142		5
Chloride	mg/l	250	**653**		10	**470**		10	**423**		4	**489**		2	**722**		10
Ethane	mg/l	NS				0.000033		0.000005	0.000044		0.000005	0.00027		0.000025			
Ethene	mg/l	NS							0.00003		0.000005	0.000024	J	0.000025			
Iron	mg/l	0.3	0.277		0.1		NA			NA			NA			NA	
Methane	mg/l	NS		NA		0.0019		0.000015	0.0017		0.000015	0.019		0.0001		NA	
Nitrate	mg/l	10		NA						NA			NA			NA	
Nitrite	mg/l	1		NA						NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10															
Nitrogen, Total Kjeldahl	mg/l	NS	0.26		0.2		NA		0.3739		0.2	0.155	J	0.25	0.26		0.2
Phosphorus	mg/l	NS					NA		0.111		0.1						
Sulfate	mg/l	250	228		10	134		10	184		5	185		5	**256**		10
Sulfide	mg/l	NS															
Total Organic Carbon	mg/l	NS	3.5		1	2.8		1				7.07		5	2.9		1

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-18D			MW-18D			MW-18D			MW-18D			MW-19D		
		Sample Date:	09/19/1996			10/20/1998			09/17/2002			06/27/2007			11/05/1998		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	147		5	202		5	230		10	125		10	245		10
Chloride	mg/l	250	**717**		10	**630**		10	**609**		6	**557**		2	205		10
Ethane	mg/l	NS				0.000222		0.000005	0.00019		0.000005	0.00036		0.000025	0.000139		0.000005
Ethene	mg/l	NS				0.000018		0.000005	0.000011		0.000005	0.000021	J	0.000025	0.00004		0.000005
Iron	mg/l	0.3					NA			NA			NA			NA	
Methane	mg/l	NS		NA		0.01006		0.000015	0.023		0.000015	0.015		0.0001	0.02961		0.000015
Nitrate	mg/l	10		NA						NA			NA				
Nitrite	mg/l	1		NA						NA			NA				
Nitrogen, Nitrate-Nitrite	mg/l	10										0.26		0.05			
Nitrogen, Total Kjeldahl	mg/l	NS	0.3		0.2		NA		0.4228		0.2	0.624		0.25		NA	
Phosphorus	mg/l	NS					NA									NA	
Sulfate	mg/l	250	**263**		10	204		10	235		5	194		5	142		10
Sulfide	mg/l	NS															
Total Organic Carbon	mg/l	NS	2.8		1	3.3		1	8.995		5	2.45	J	5		NA	

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-19D			MW-19D			MW-20D			MW-20D			MW-20D		
		Sample Date:	09/18/2002			06/26/2007			10/26/1998			10/24/2002			01/02/2003		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS				55.1		10	92.6		5	14		10	30		10
Chloride	mg/l	250	104		2	29.5		2	160		1	**300**	J	2	137		2
Ethane	mg/l	NS	0.000033		0.000005	0.000022	J	0.000025	0.000057		0.000005	0.0016		0.000005	0.00097		0.000005
Ethene	mg/l	NS	0.000015		0.000005	0.000017	J	0.000025	0.000174		0.000005	0.016		0.000005	0.0098		0.000005
Iron	mg/l	0.3		NA			NA			NA			NA			NA	
Methane	mg/l	NS	0.0043		0.000015	0.00061		0.0001	0.00478		0.000015	0.076		0.000015	0.062		0.000015
Nitrate	mg/l	10		NA			NA						NA			NA	
Nitrite	mg/l	1		NA			NA						NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10	0.565		0.05	0.695		0.05							0.11		0.05
Nitrogen, Total Kjeldahl	mg/l	NS	0.304		0.2					NA					0.301		0.25
Phosphorus	mg/l	NS								NA							
Sulfate	mg/l	250	**843**		20	26.3		5	224		10	250		5	105		5
Sulfide	mg/l	NS	0.6		0.5												
Total Organic Carbon	mg/l	NS				2.02	J	5							6.78		5

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-20D			MW-21D			MW-21D			MW-21D			MW-22D		
		Sample Date:	06/27/2007			10/22/1998			09/25/2002			06/28/2007			09/25/2002		
		Sample Type:	N			N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	22.7		10	207		5	412		10	446		10	72		10
Chloride	mg/l	250	**340**		2	**2300**		50	**2600**		40	**2830**		40	**1630**		40
Ethane	mg/l	NS	0.00078		0.000025	0.057324		0.000005	0.051		0.000005	0.14		0.000025	0.0043		0.000005
Ethene	mg/l	NS	0.0098		0.000025	1.655121		0.000005	1.3		0.000005	1.3		0.0001	0.0011		0.000005
Iron	mg/l	0.3		NA			NA			NA			NA			NA	
Methane	mg/l	NS	0.05		0.0001	8.62		0.07	5.6		0.000015	5.6		0.00012	0.08		0.000015
Nitrate	mg/l	10		NA						NA			NA			NA	
Nitrite	mg/l	1		NA						NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10															
Nitrogen, Total Kjeldahl	mg/l	NS	0.29		0.25		NA		3.63		0.2	2.7		0.25	0.5032		0.2
Phosphorus	mg/l	NS					NA		0.125		0.1	0.155	J	0.25	0.105		0.1
Sulfate	mg/l	250	**269**		5	60.1		10	16.5		5	13.6		5	186		5
Sulfide	mg/l	NS															
Total Organic Carbon	mg/l	NS				33.5		2	29.2		5	15.2		5	5.21		5

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

Checked by: C.D. L. Date: 09/28/2007

Summary of Natural Attenuation Parameters
216 Paterson Plank Road
Summary of Detected Analytical Results
Natural Attenuation Parameters

		Location ID:	MW-22D			MW-24D			MW-25D			MW-26D		
		Sample Date:	06/28/2007			06/26/2007			06/25/2007			06/26/2007		
		Sample Type:	N			N			N			N		
Parameter	**Unit**	**GWQS**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Alkalinity, Total	mg/l	NS	18.9		10	32.6		10	28.5		10	39.3		10
Chloride	mg/l	250	**1940**		20	43.4		2	**297**		4	105		2
Ethane	mg/l	NS	0.023		0.000025	0.0002		0.000025	0.0002		0.000025	0.00015		0.000025
Ethene	mg/l	NS	0.0023		0.000025	0.0001		0.000025	0.00031		0.000025	0.00019		0.000025
Iron	mg/l	0.3		NA			NA			NA			NA	
Methane	mg/l	NS	0.93		0.0001	0.035		0.0001	0.05		0.0001	0.021		0.0001
Nitrate	mg/l	10		NA			NA			NA			NA	
Nitrite	mg/l	1		NA			NA			NA			NA	
Nitrogen, Nitrate-Nitrite	mg/l	10												
Nitrogen, Total Kjeldahl	mg/l	NS	0.668		0.25				0.576		0.25	0.249	J	0.25
Phosphorus	mg/l	NS							0.093	J	0.25			
Sulfate	mg/l	250	194		5	223		5	219		10	**300**		5
Sulfide	mg/l	NS												
Total Organic Carbon	mg/l	NS	10.8		5							6.77		5

N = Primary Field Sample
FD = Field Duplicate
NA = Not Analyzed
Blank cell = Not Detected
NS: No Standard Available
GWQS: Ground Water Quality Standards N.J.A.C. 7:9C
Results that exceed the higher of the NJDEP PQL or the NJDEP GWQS for Class-IIA aquifers are shown in bold.

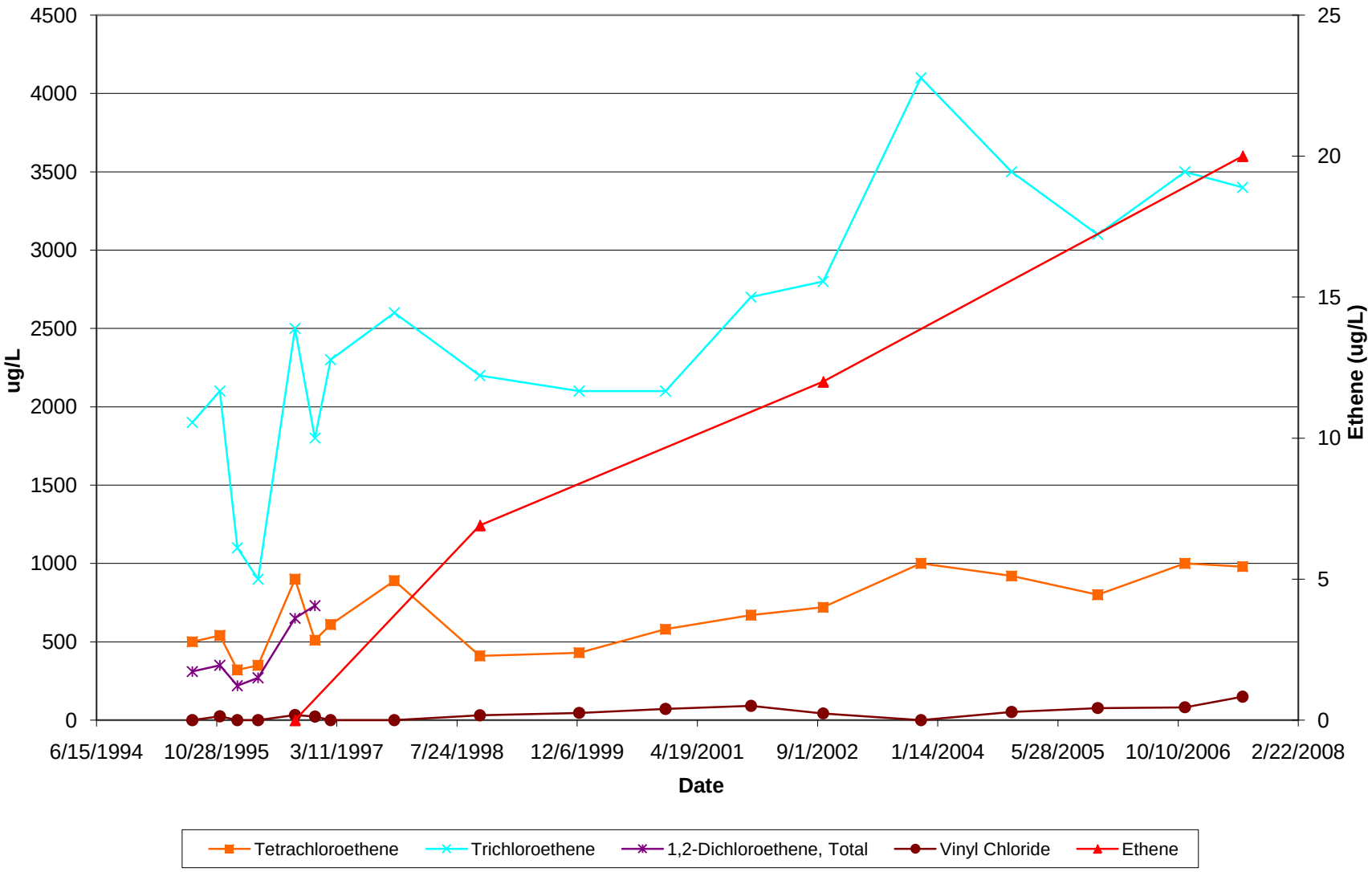
Checked by: C.D. L. Date: 09/28/2007

APPENDIX F

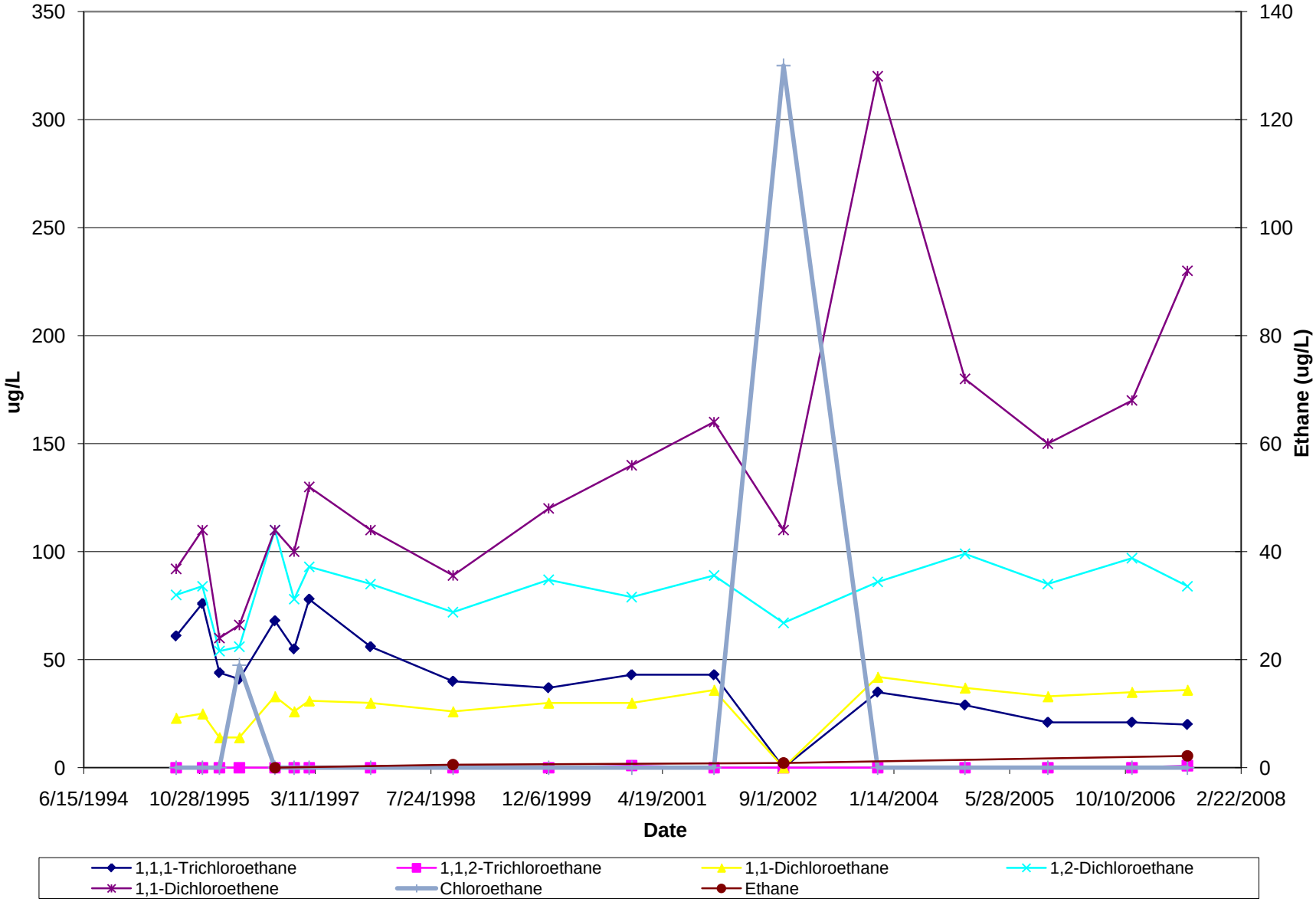
NATURAL ATTENUATION CHEMISTRY DATA

TRENDS FOR MONITORING WELLS MW-15R, MW-24D, MW-24R, MW-25D, MW-26D, MW-27R AND MW-28R ARE NOT INCLUDED AS THESE WELLS ONLY HAVE DATA FROM ONE (1) SAMPLING EVENT.

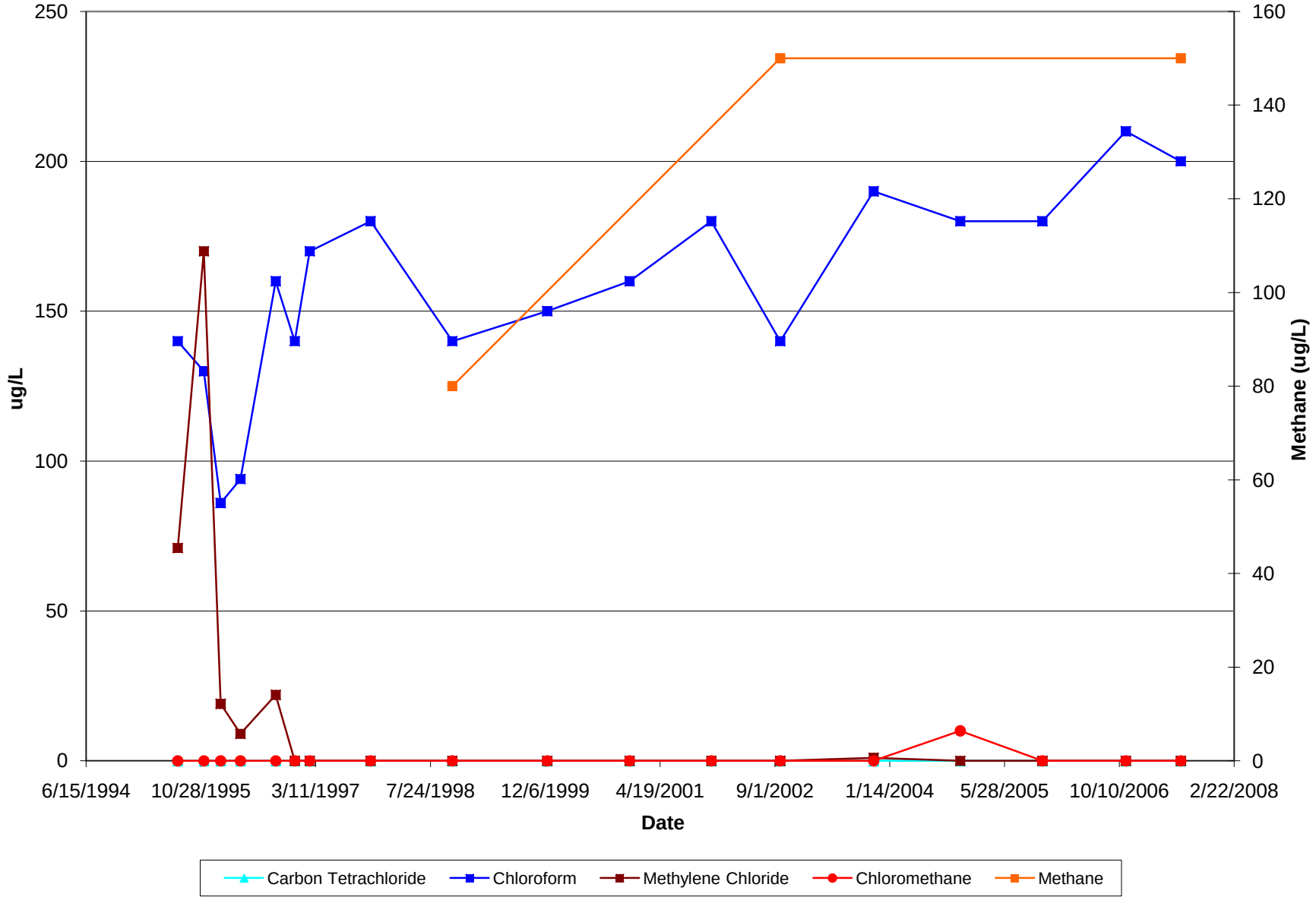
Data Record for MW-5D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



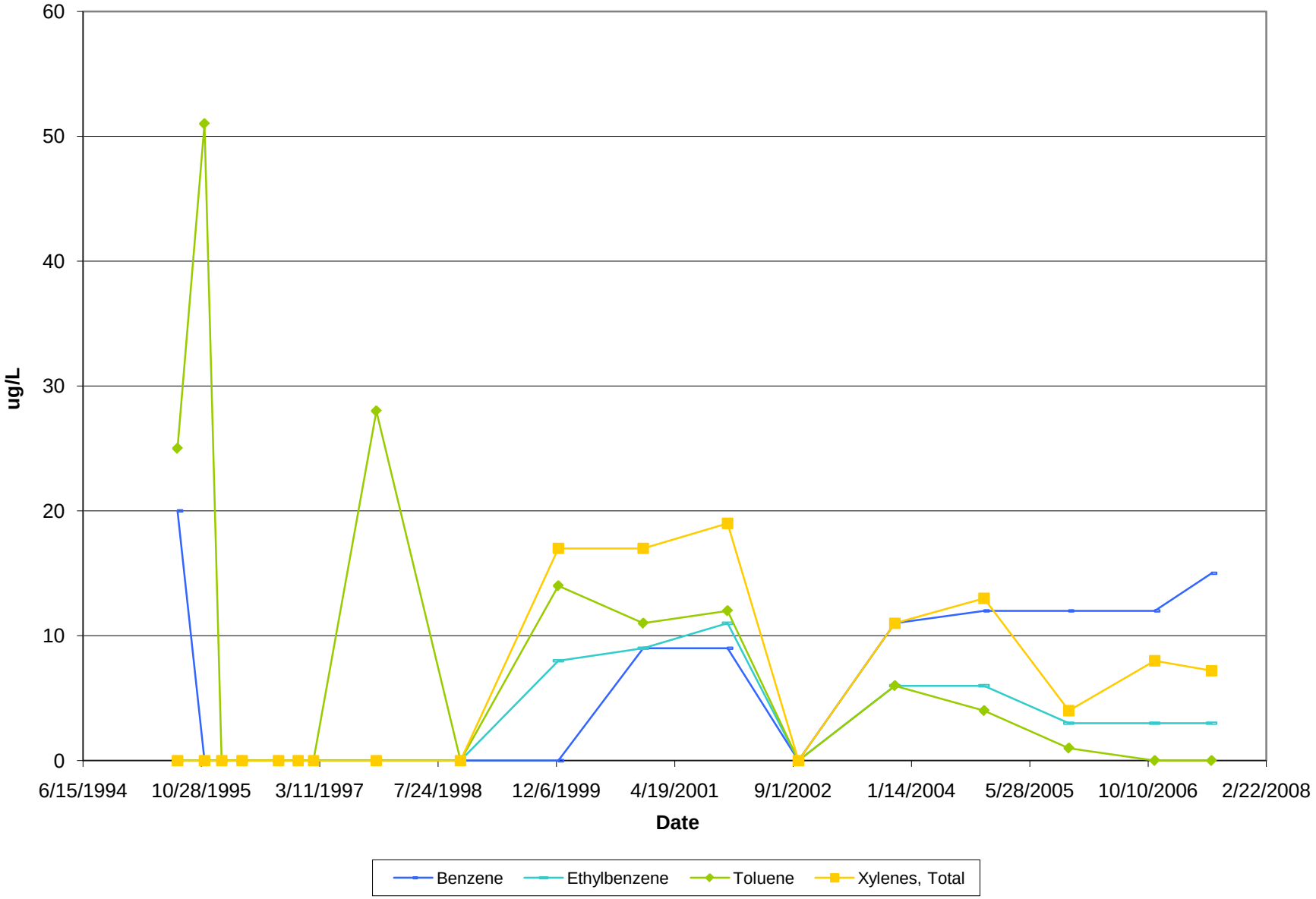
Data Record for MW-5D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



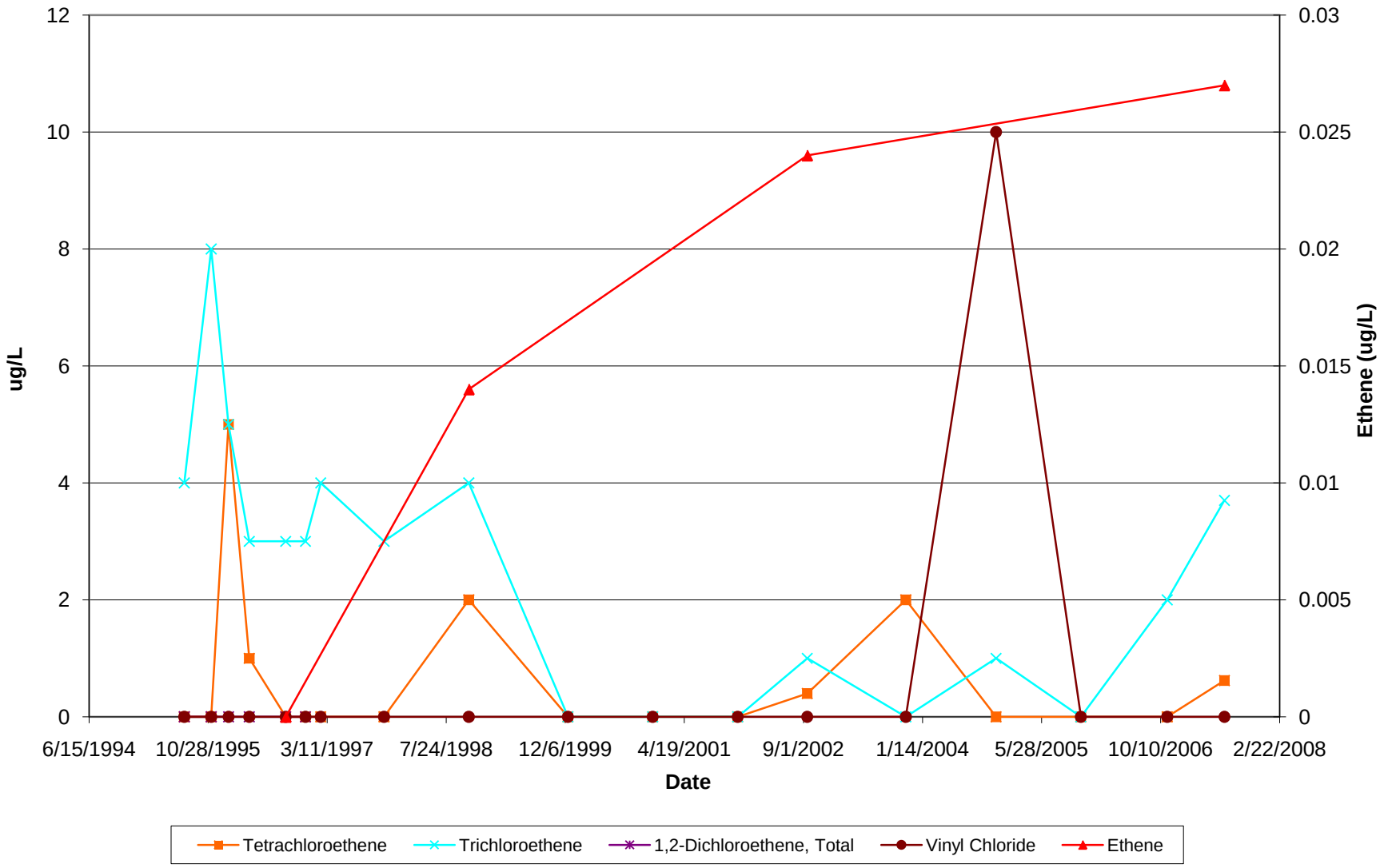
Data Record for MW-5D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



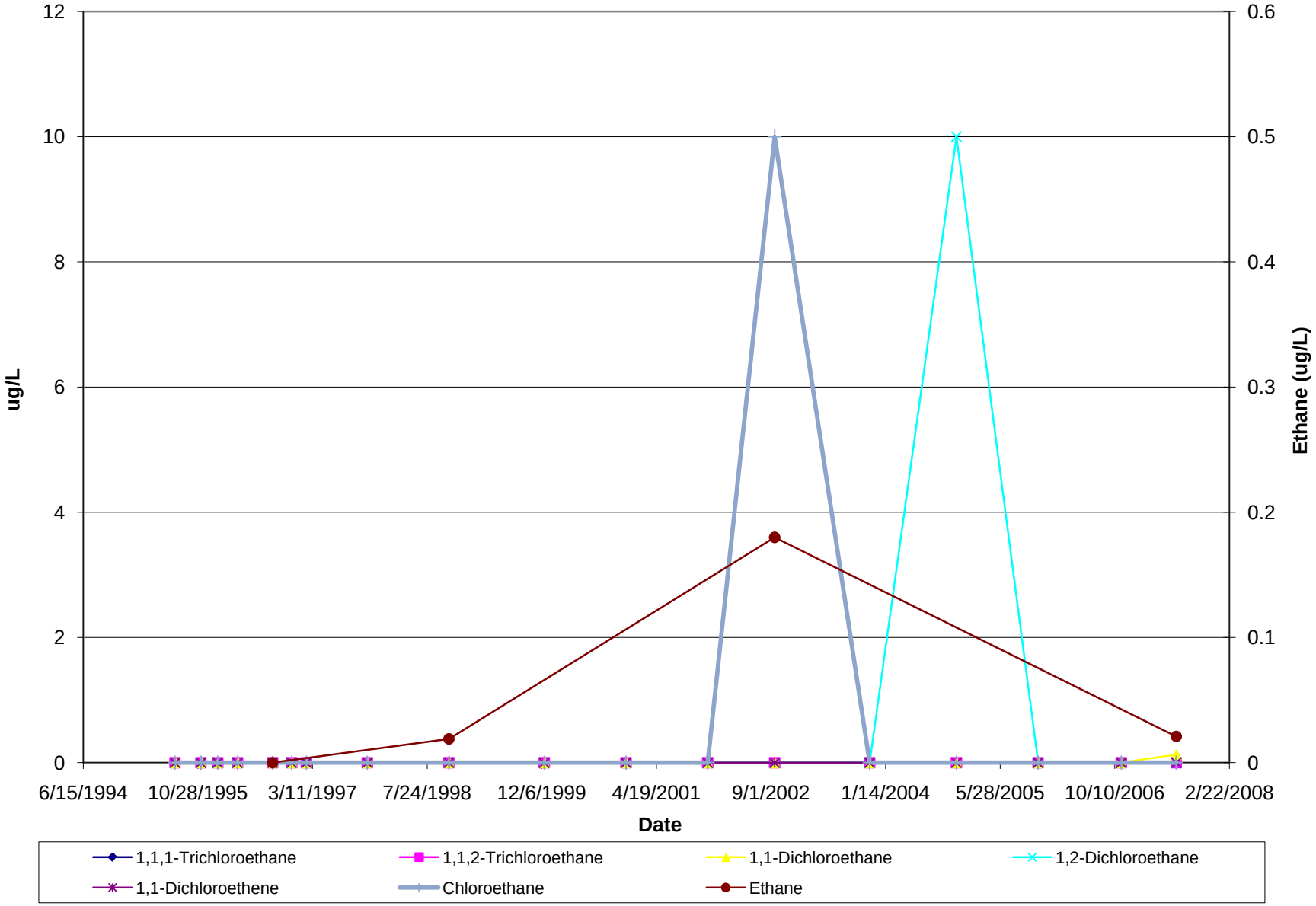
Data Record for MW-5D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



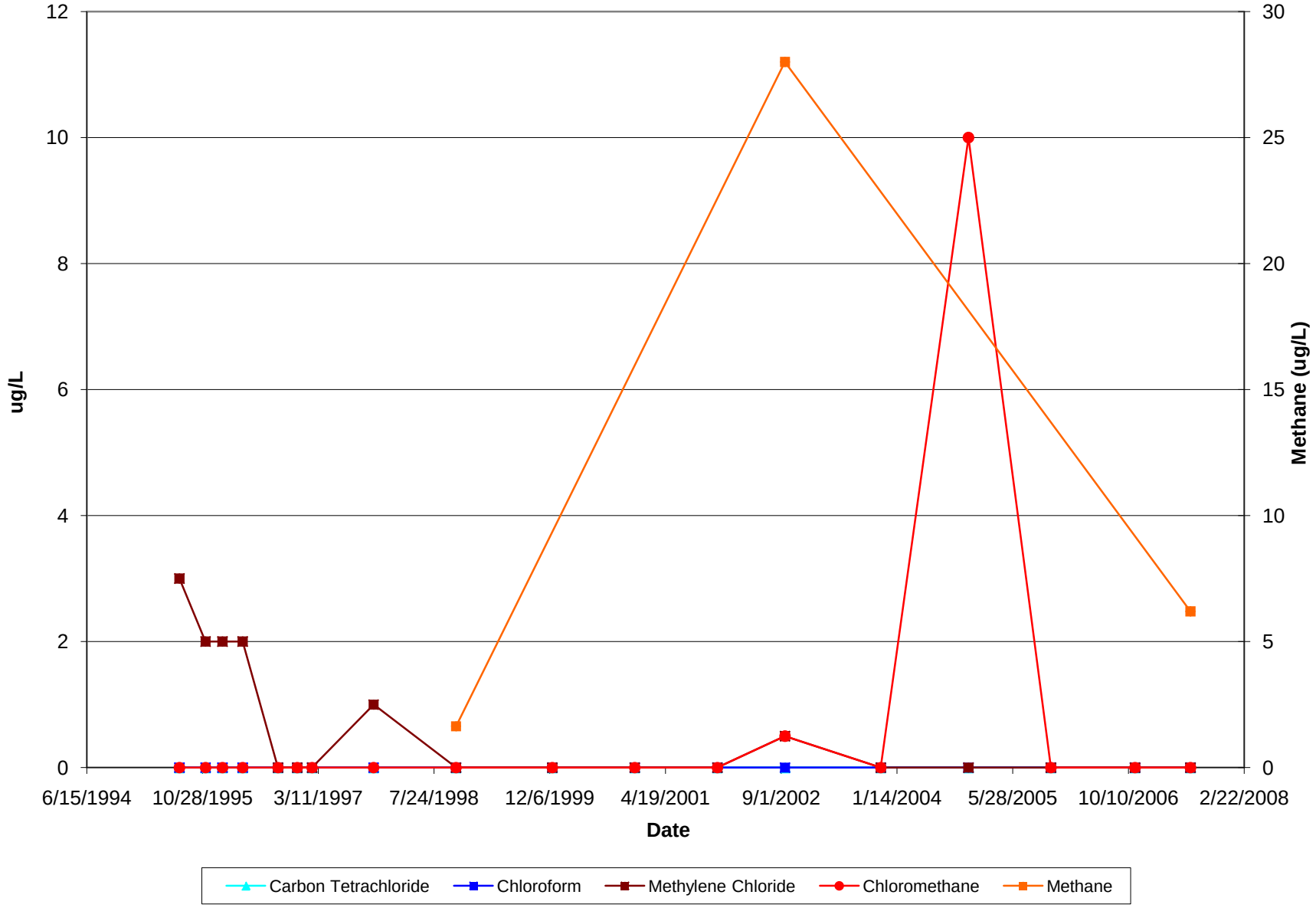
Data Record for MW-7D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



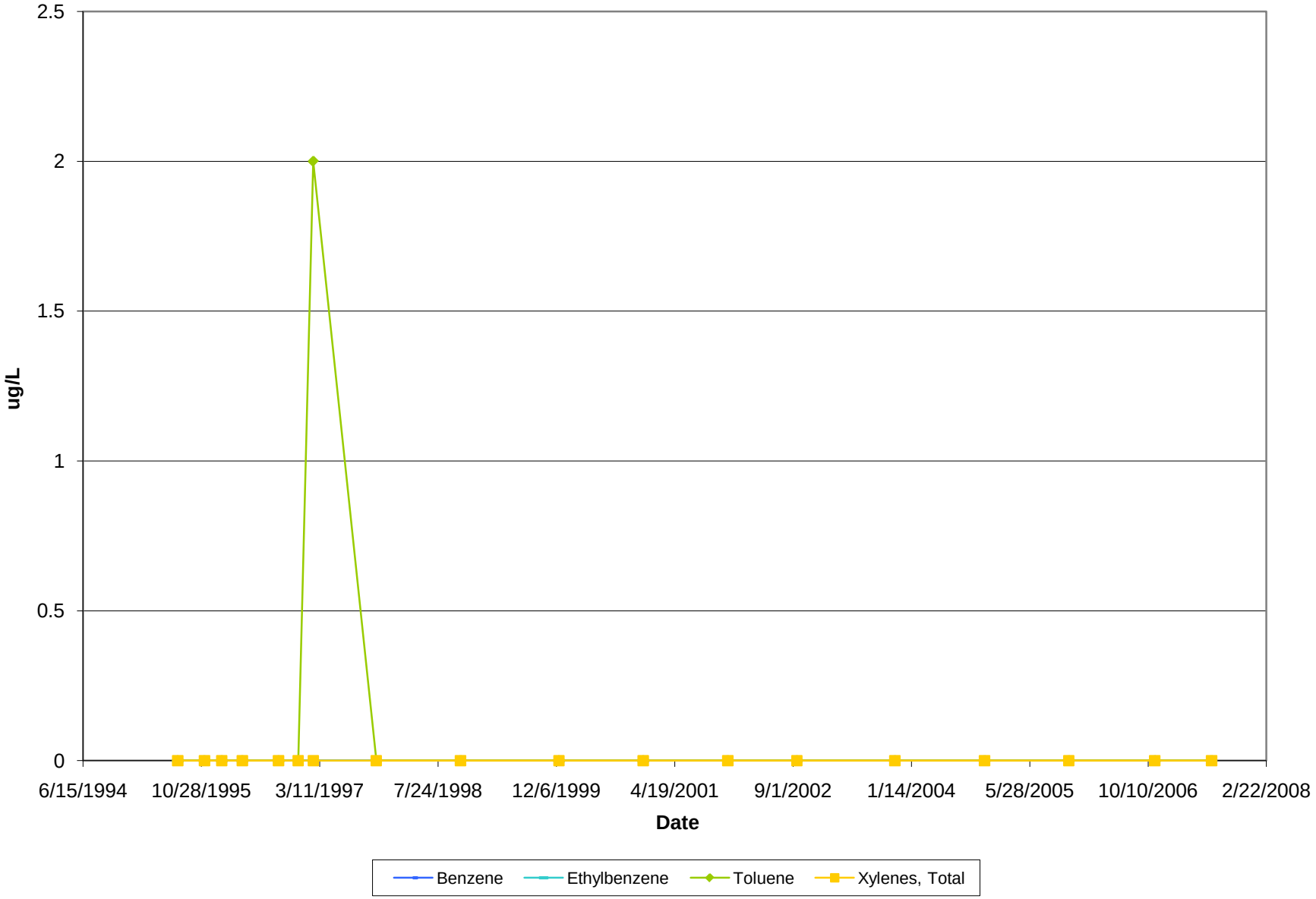
Data Record for MW-7D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



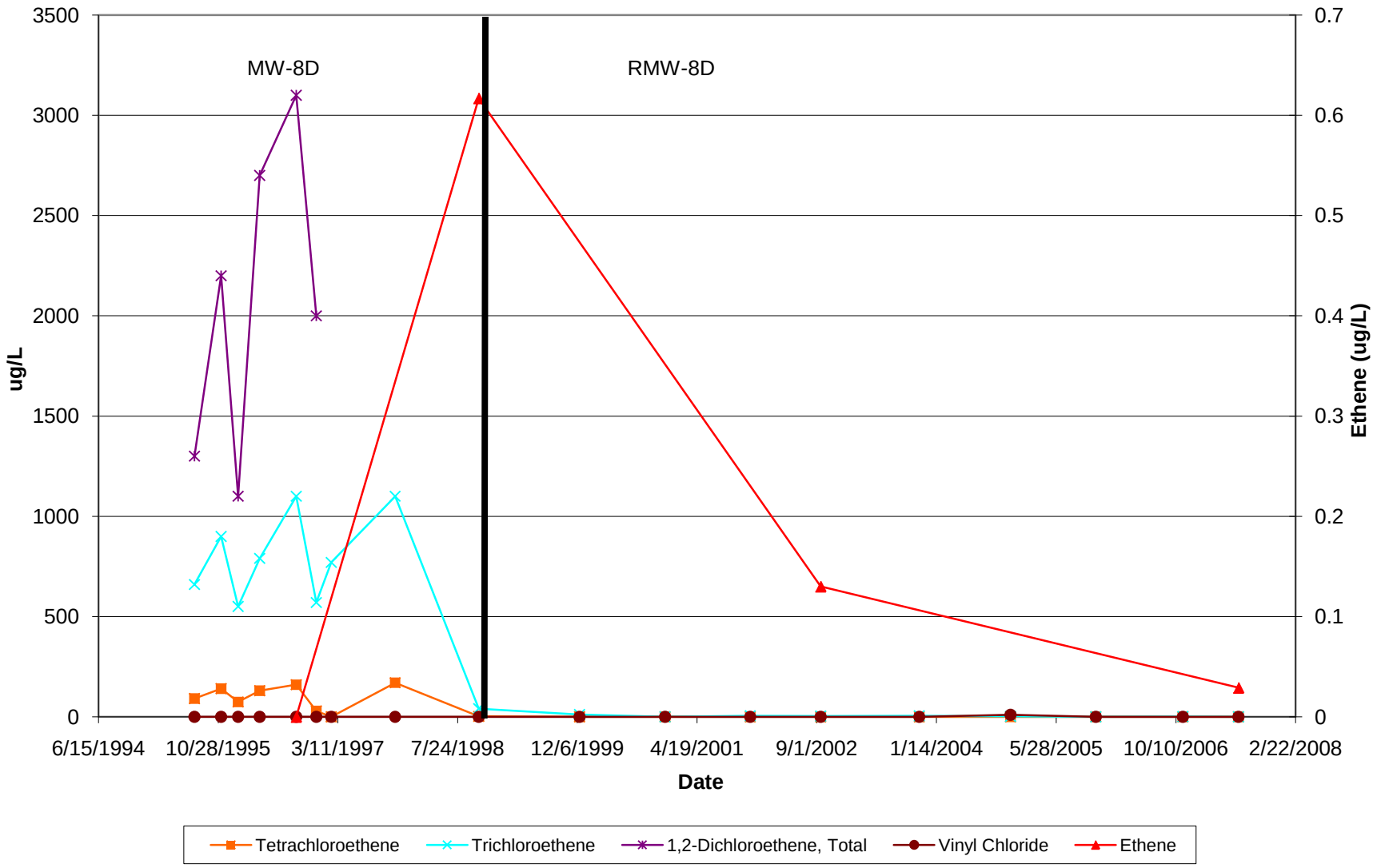
Data Record for MW-7D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



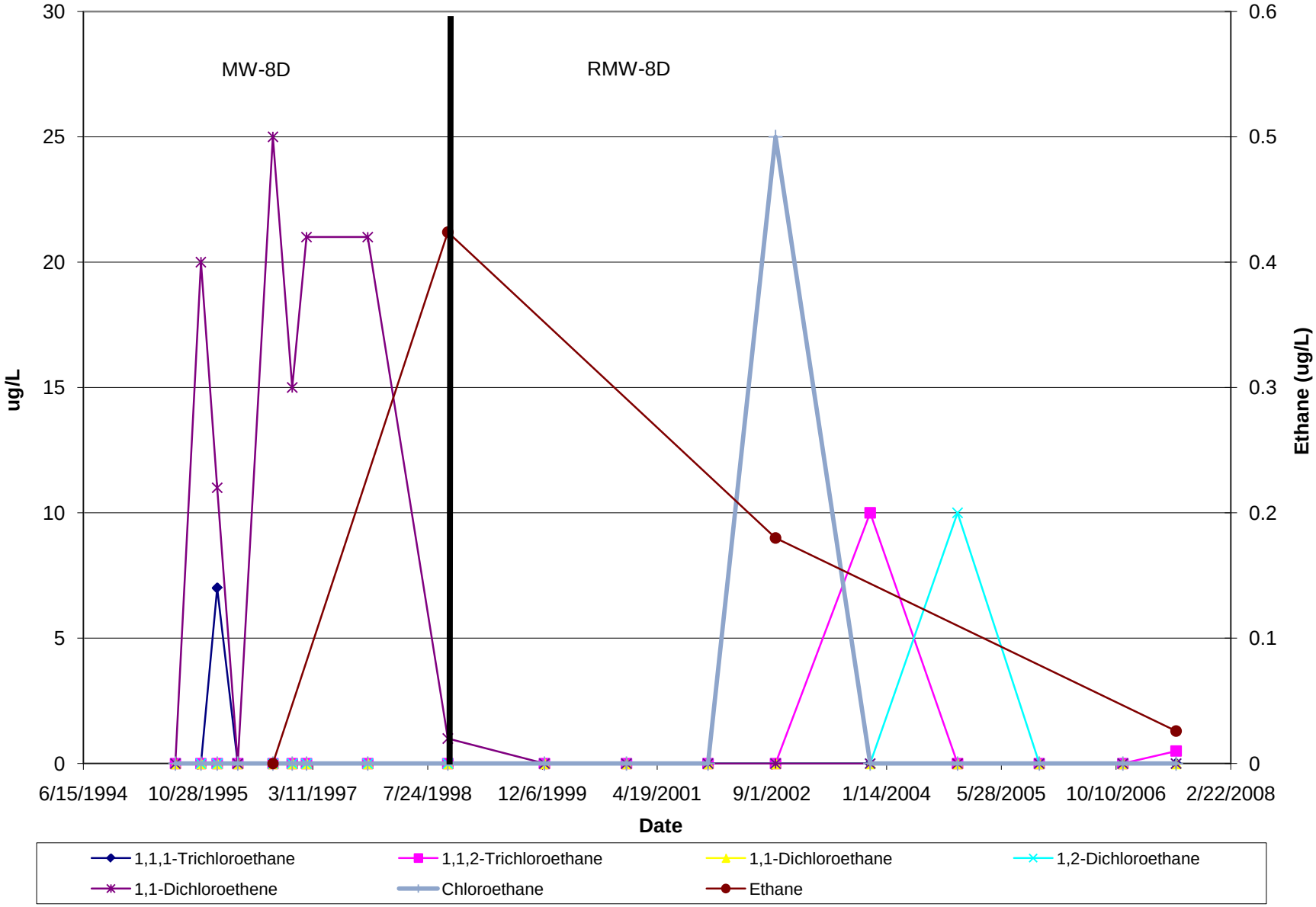
Data Record for MW-7D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



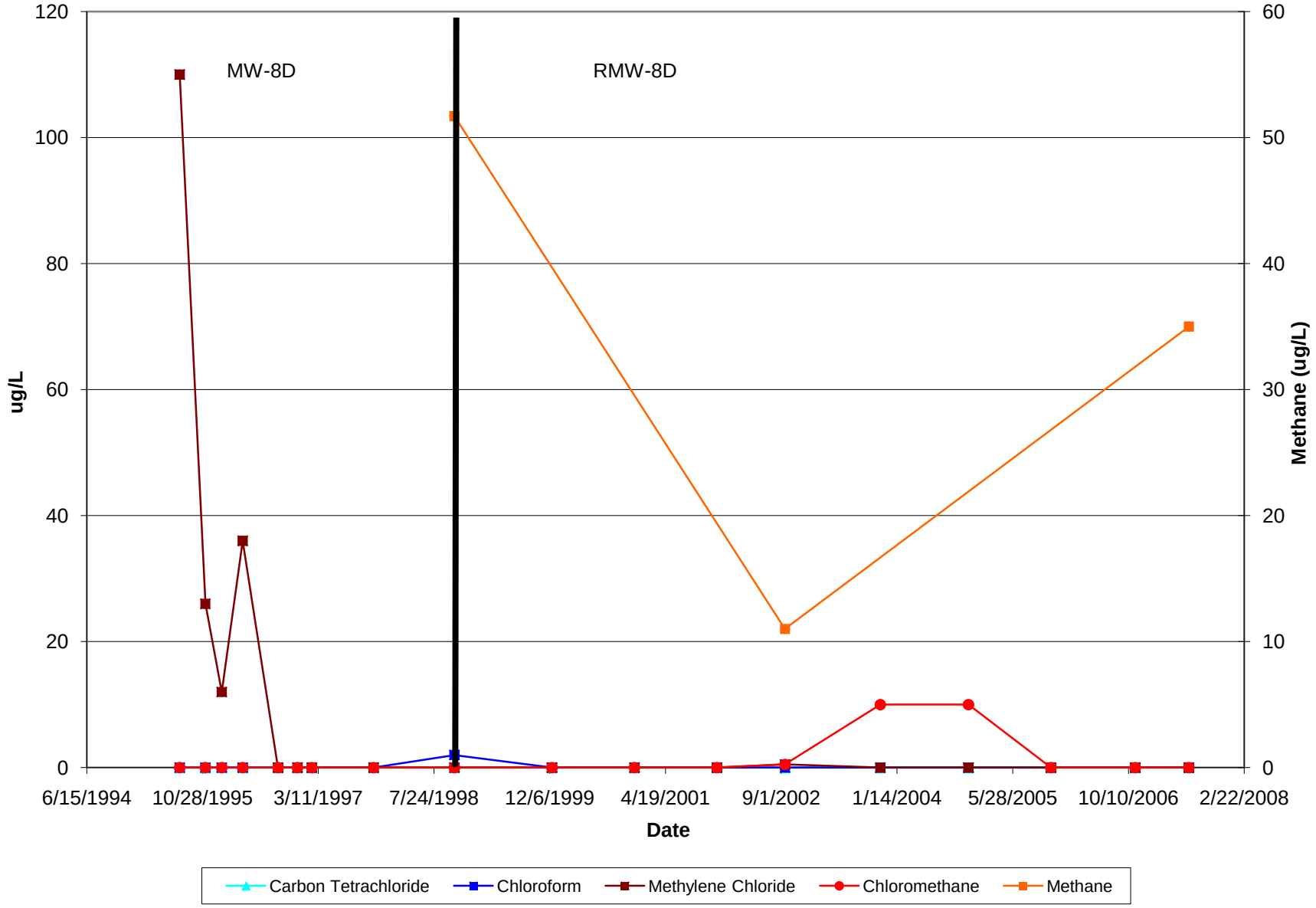
Data Record for RMW-8D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for RMW-8D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

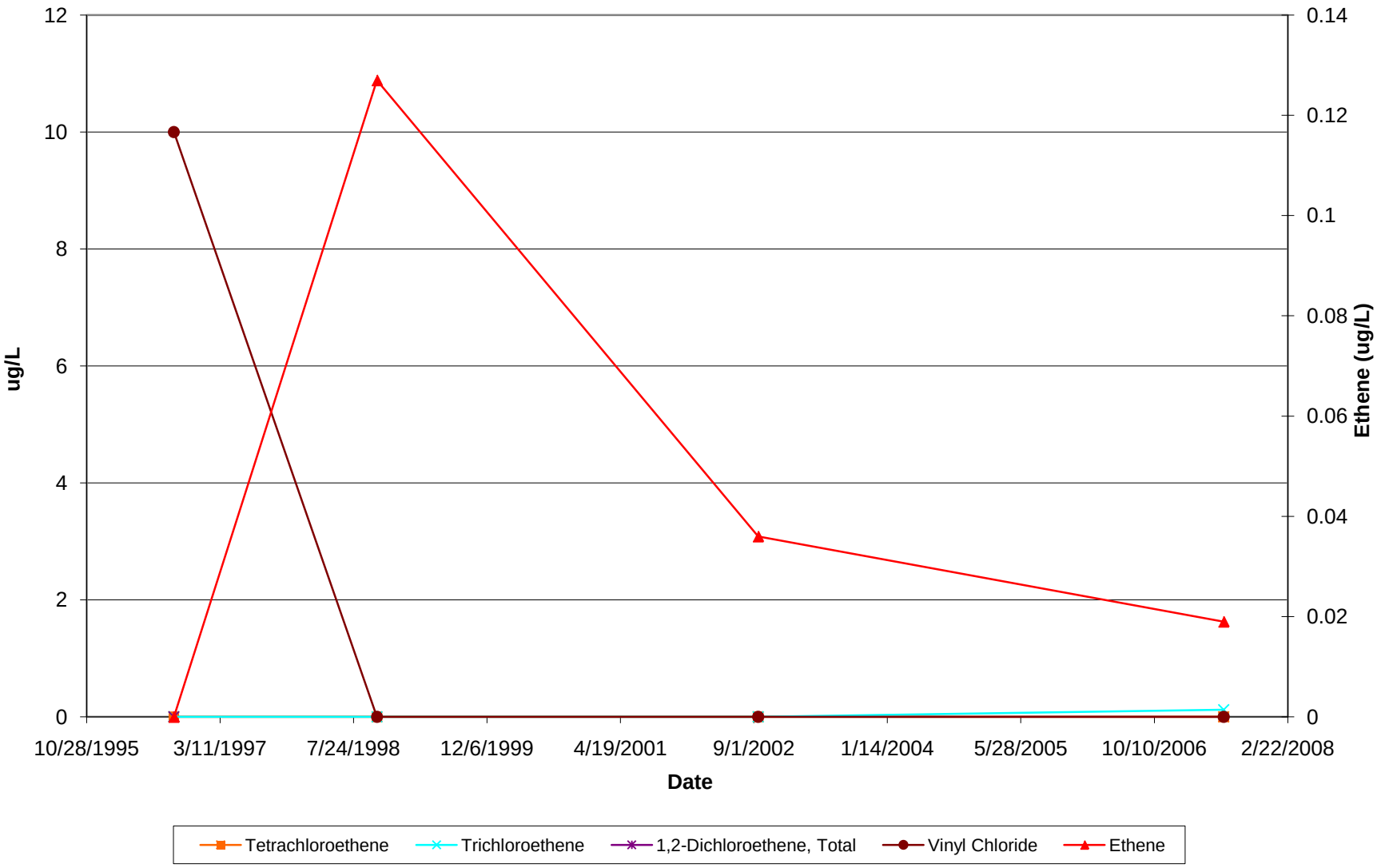


Data Record for RMW-8D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

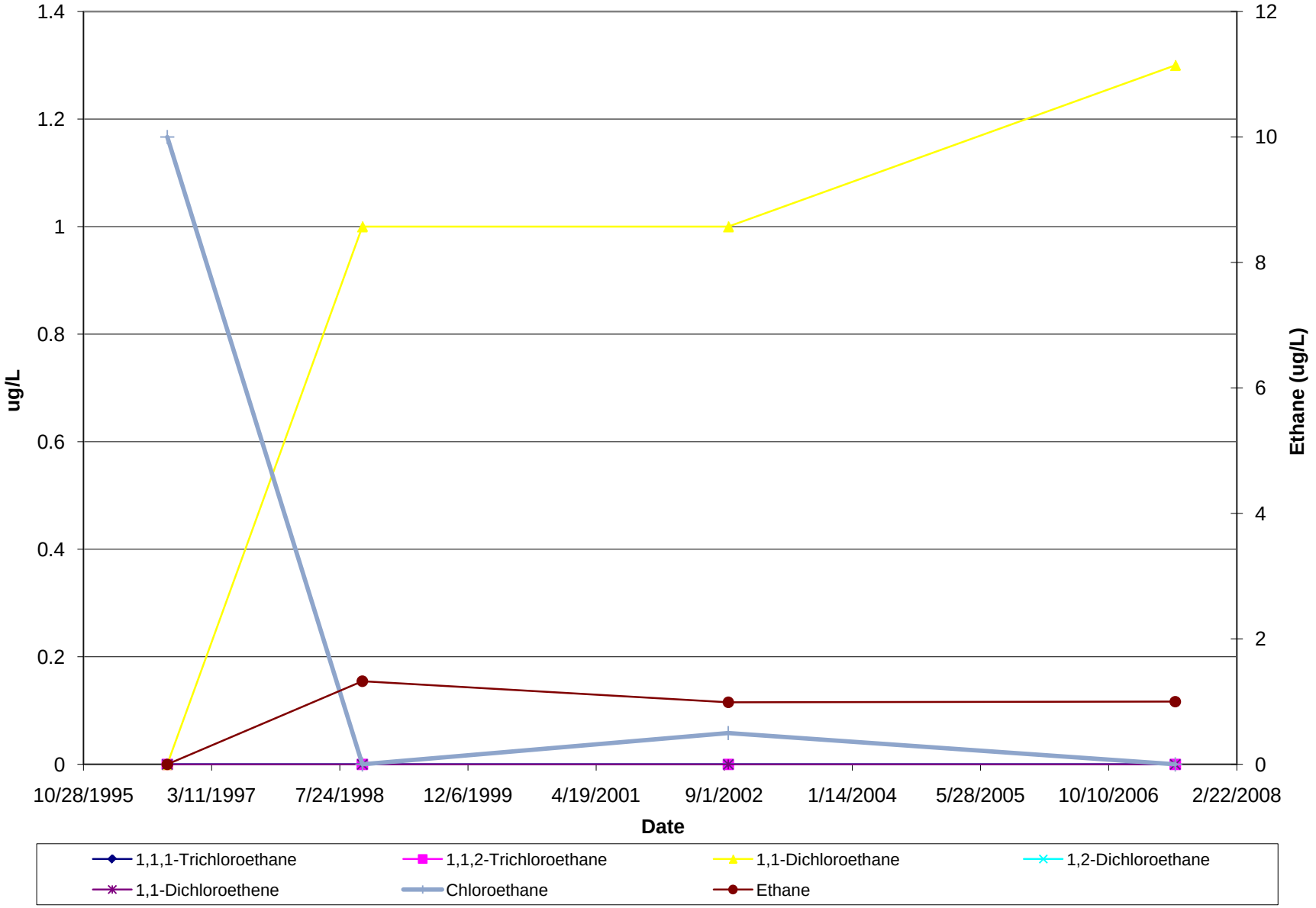


Data Record for RMW-8D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey

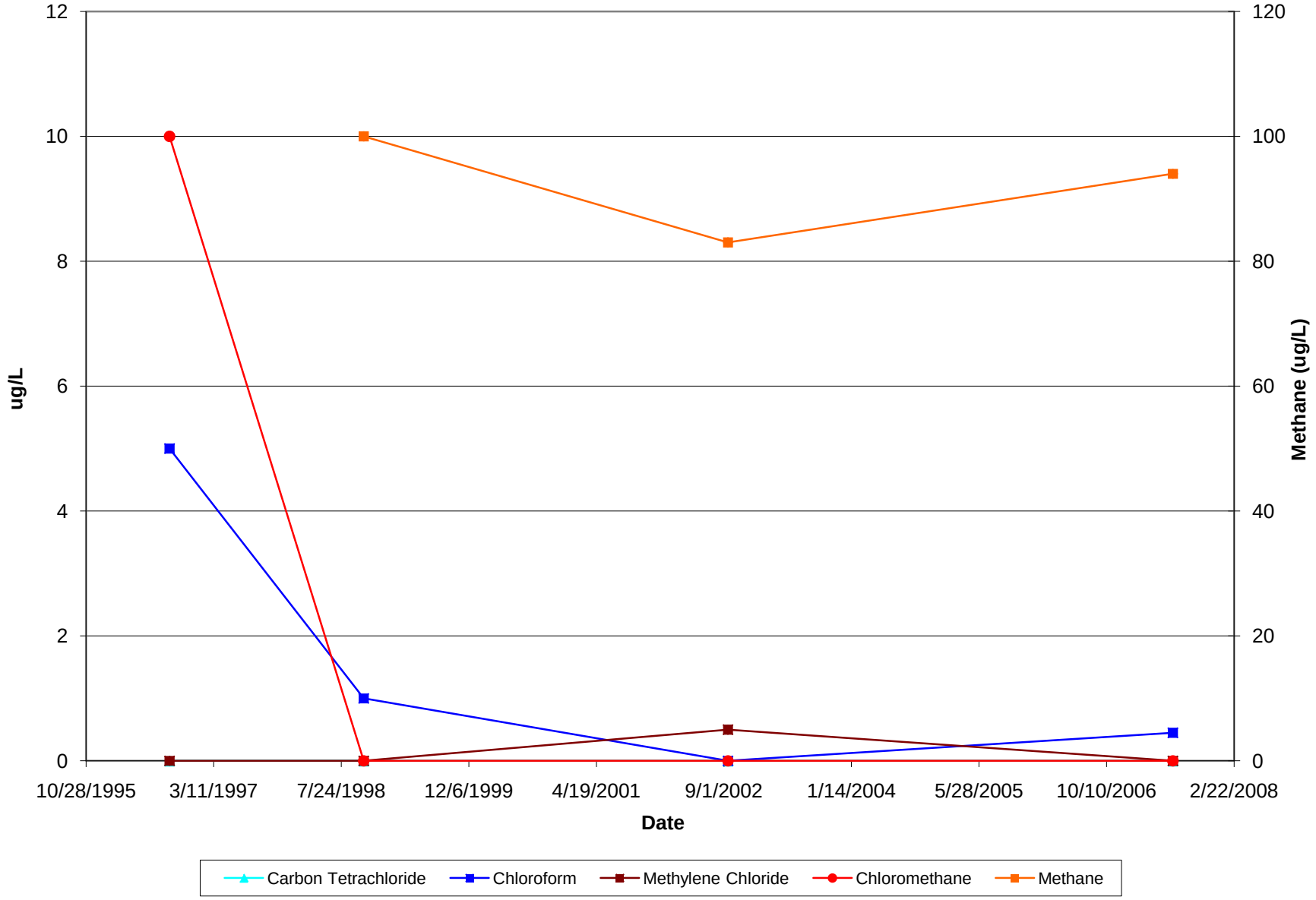
Data Record for MW-8R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



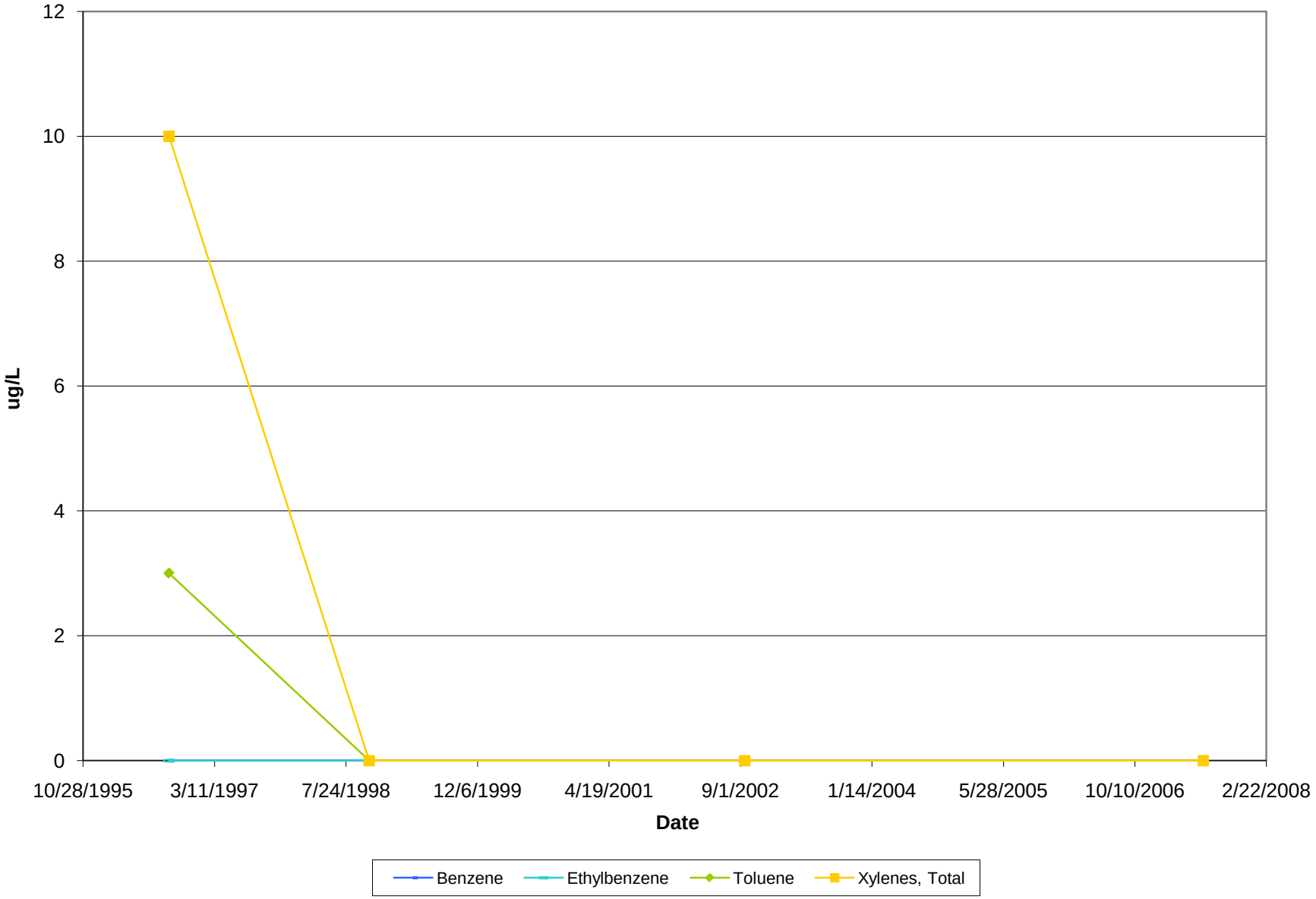
Data Record for MW-8R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



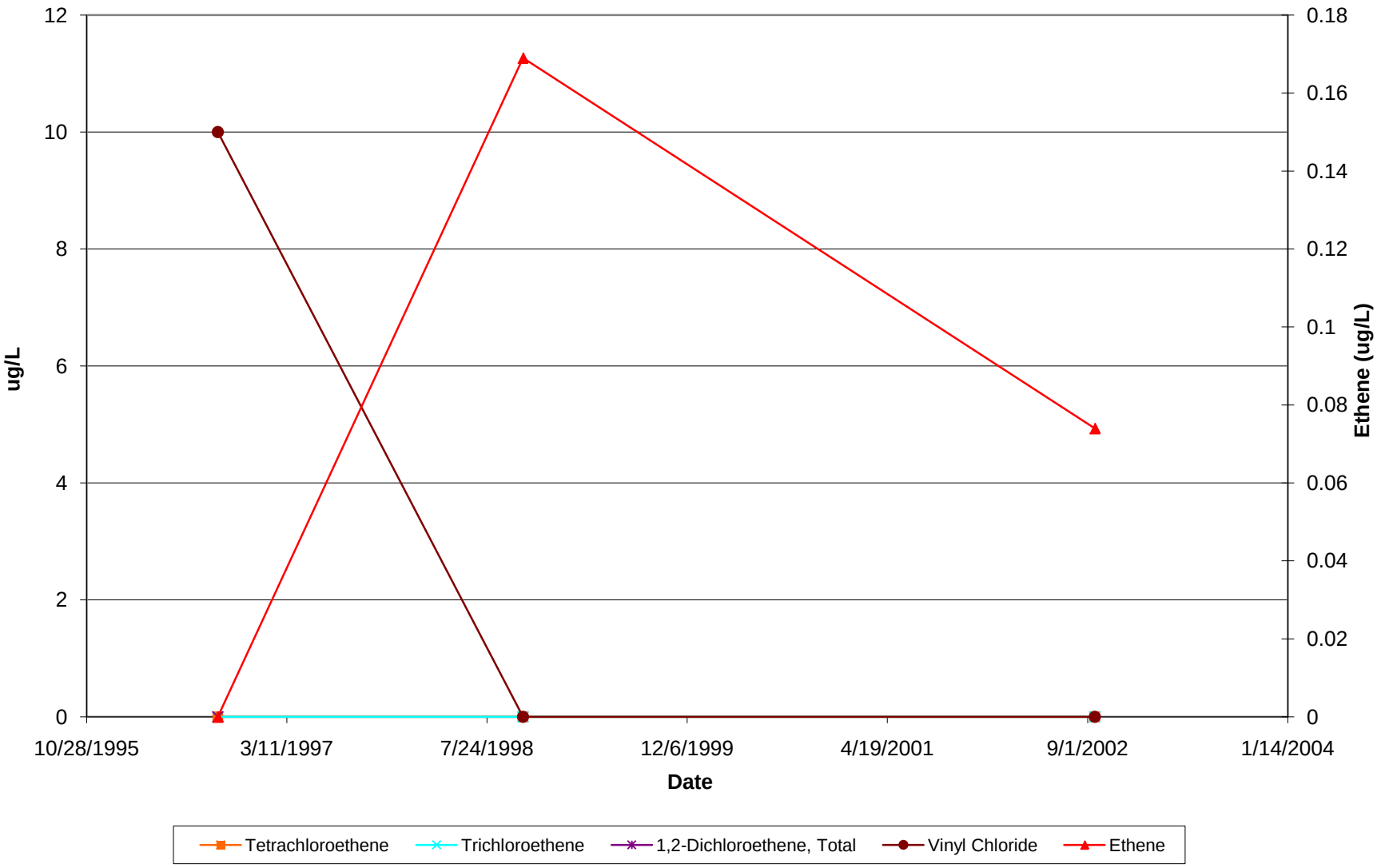
Data Record for MW-8R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



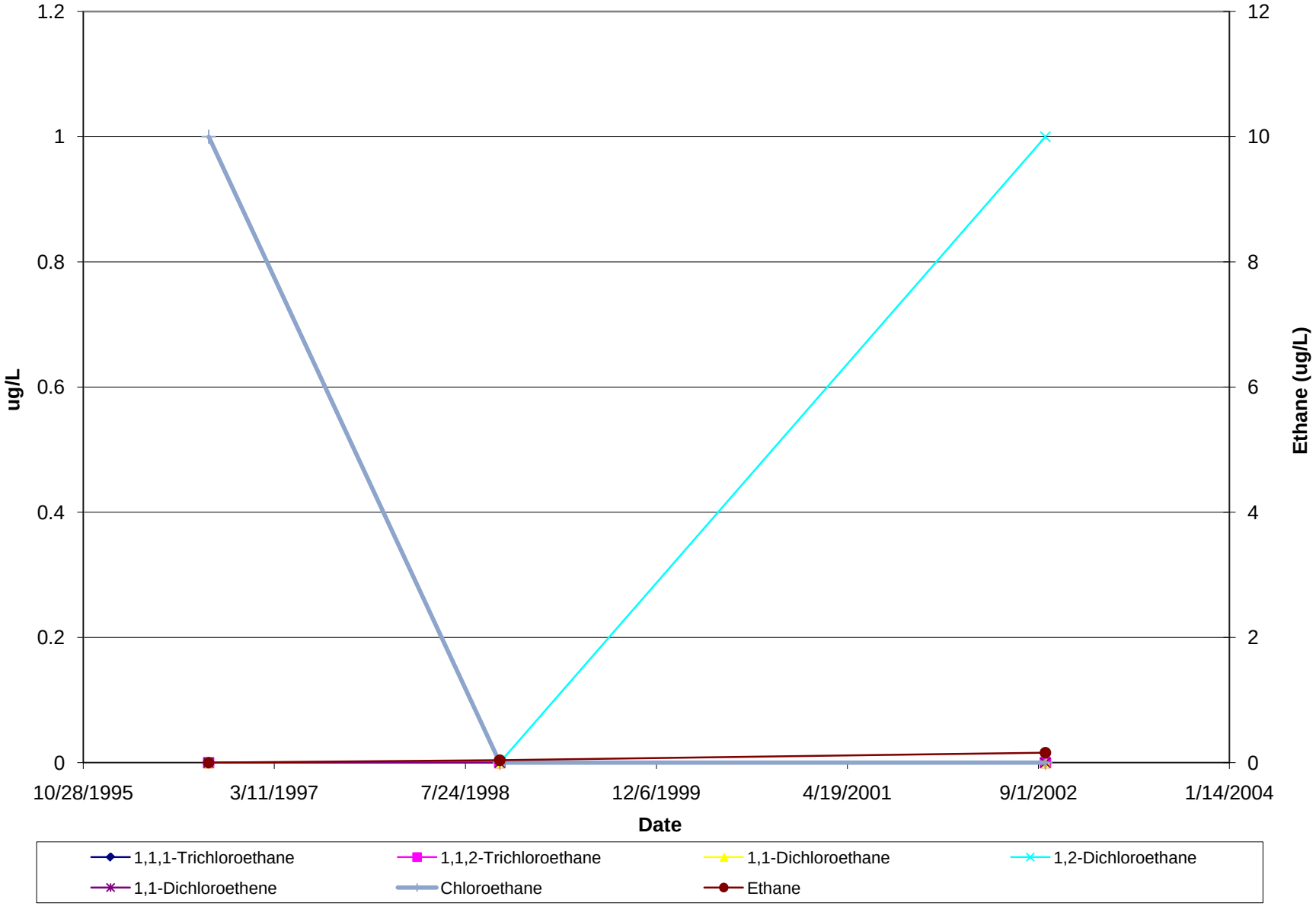
Data Record for MW-8R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



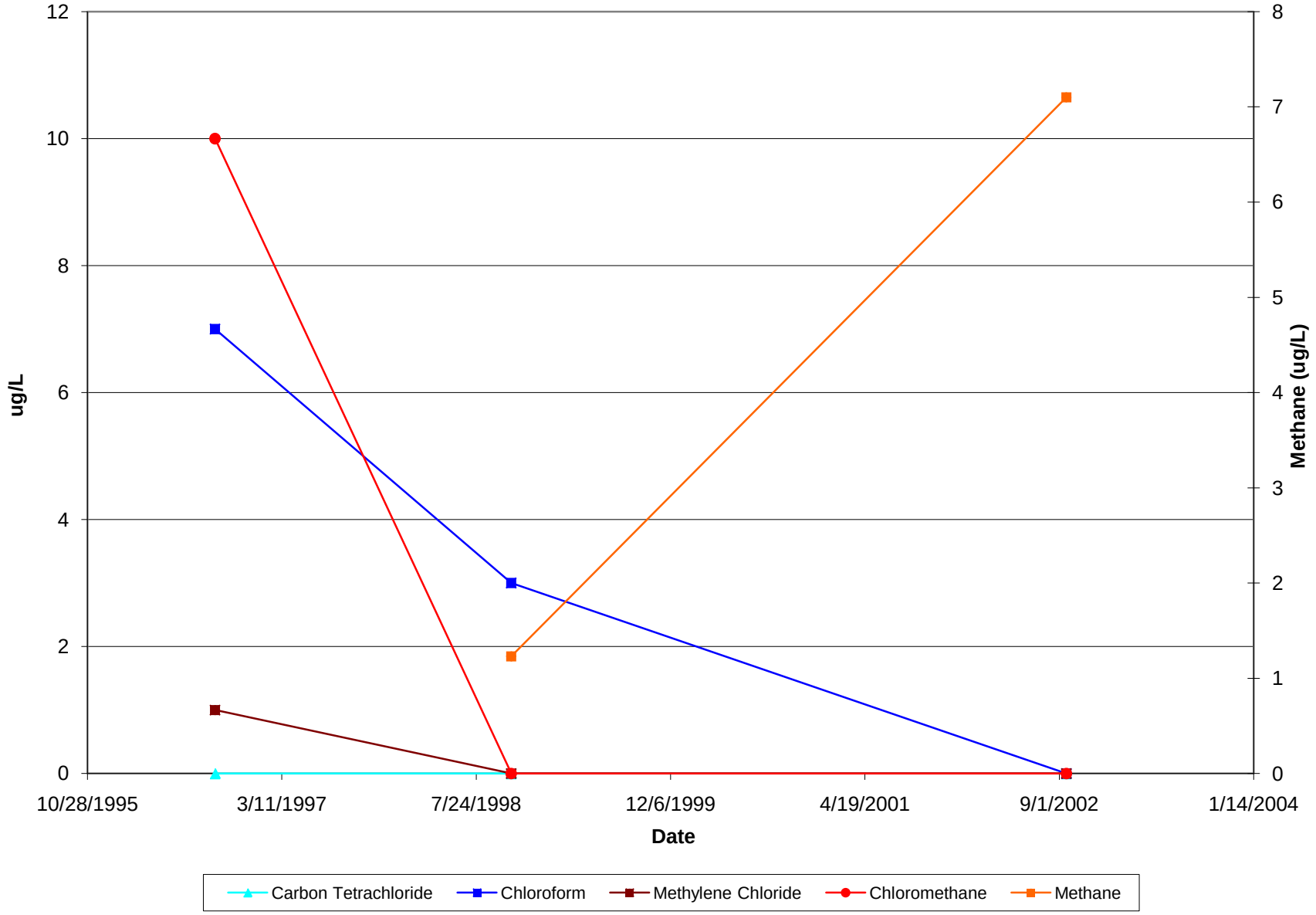
Data Record for MW-10R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



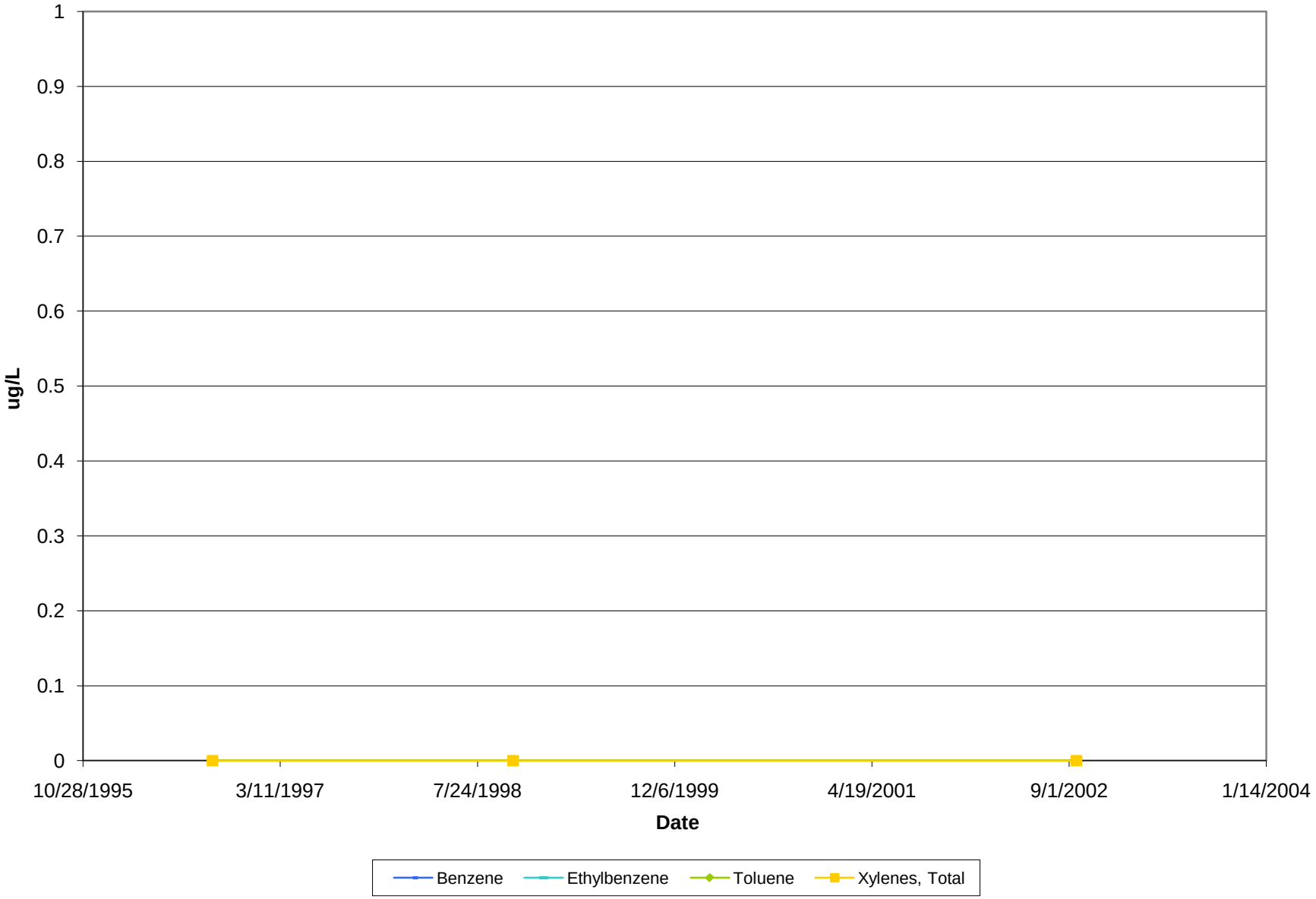
Data Record for MW-10R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



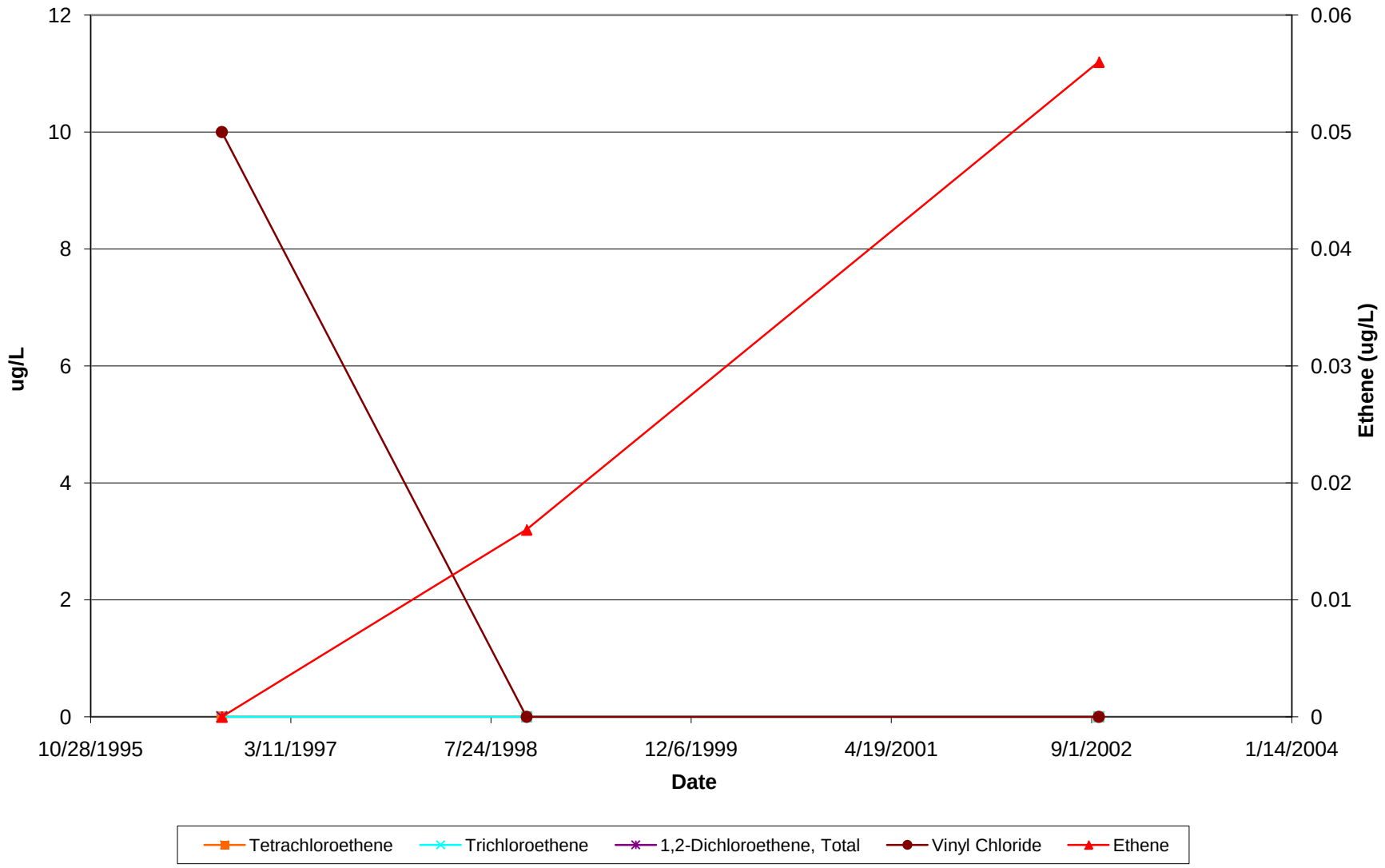
Data Record for MW-10R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



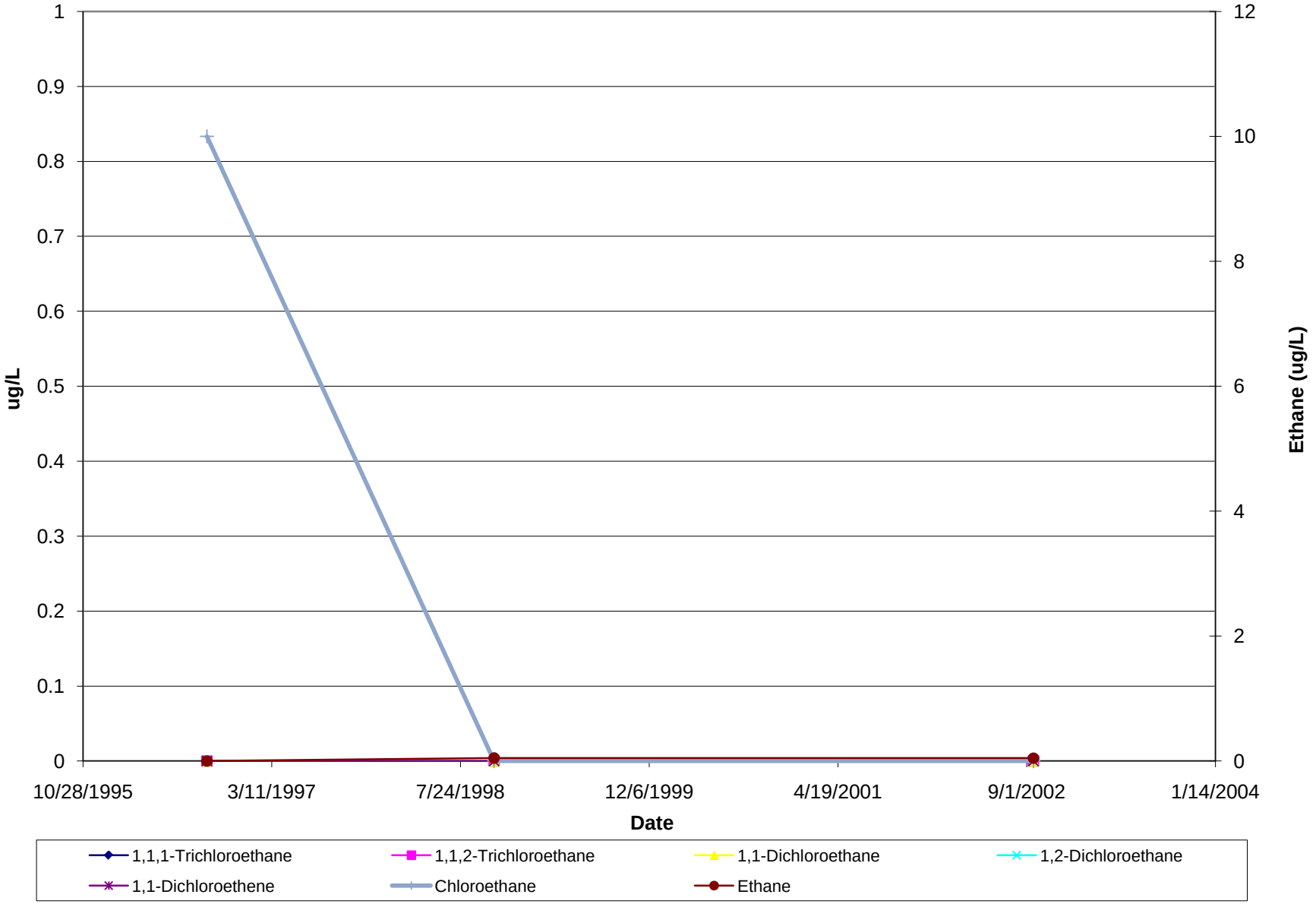
Data Record for MW-10R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



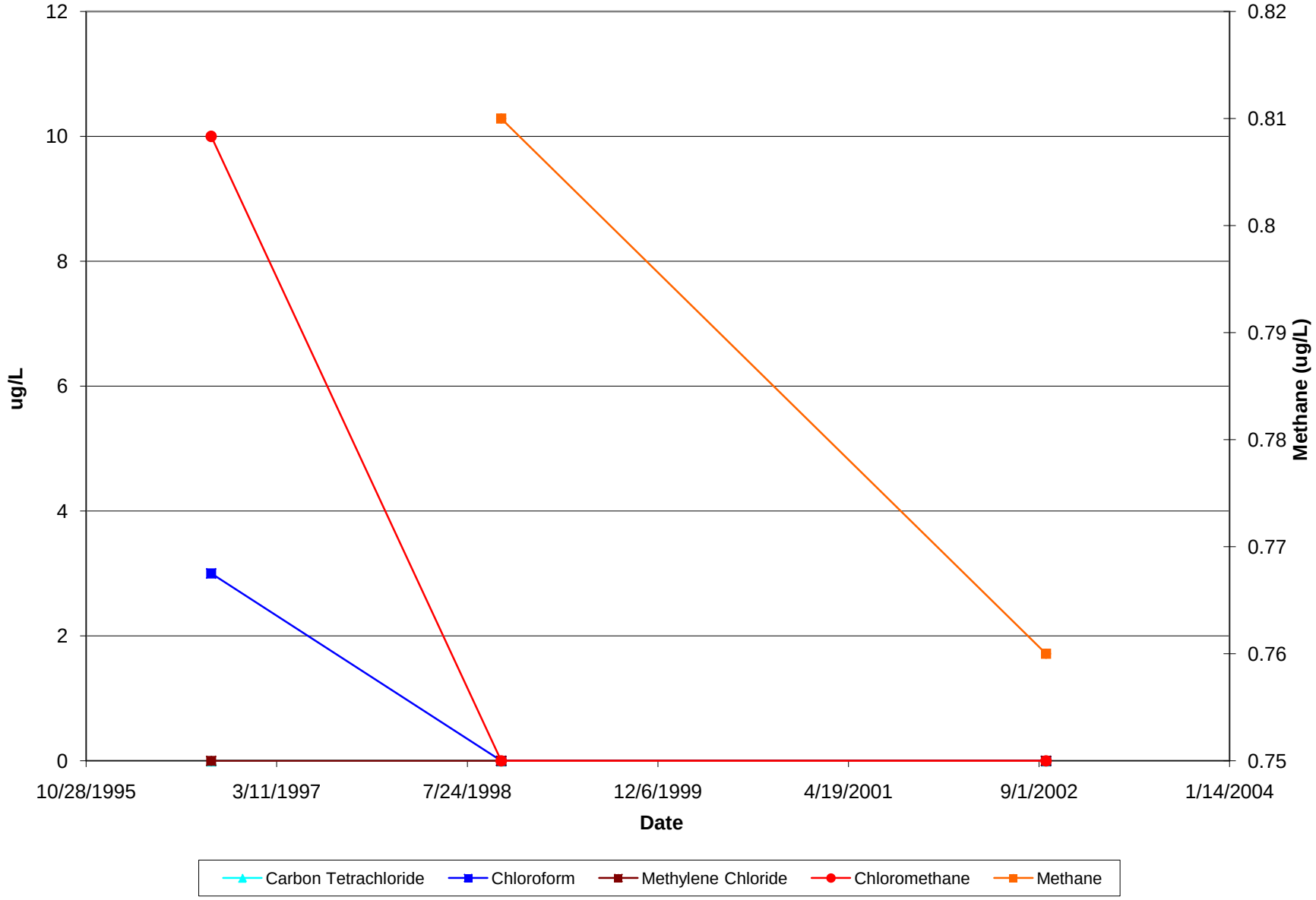
Data Record for MW-10D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



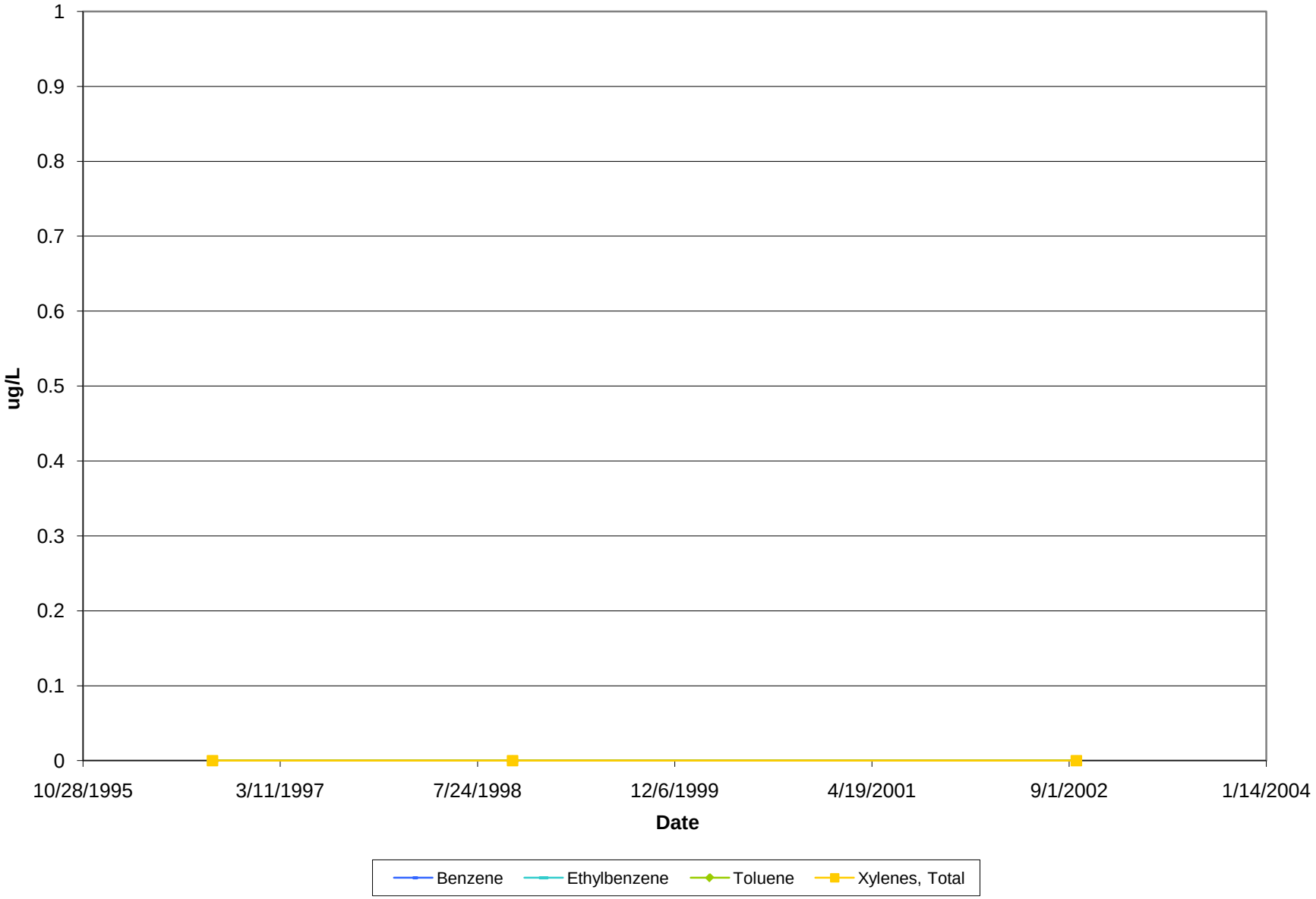
Data Record for MW-10D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



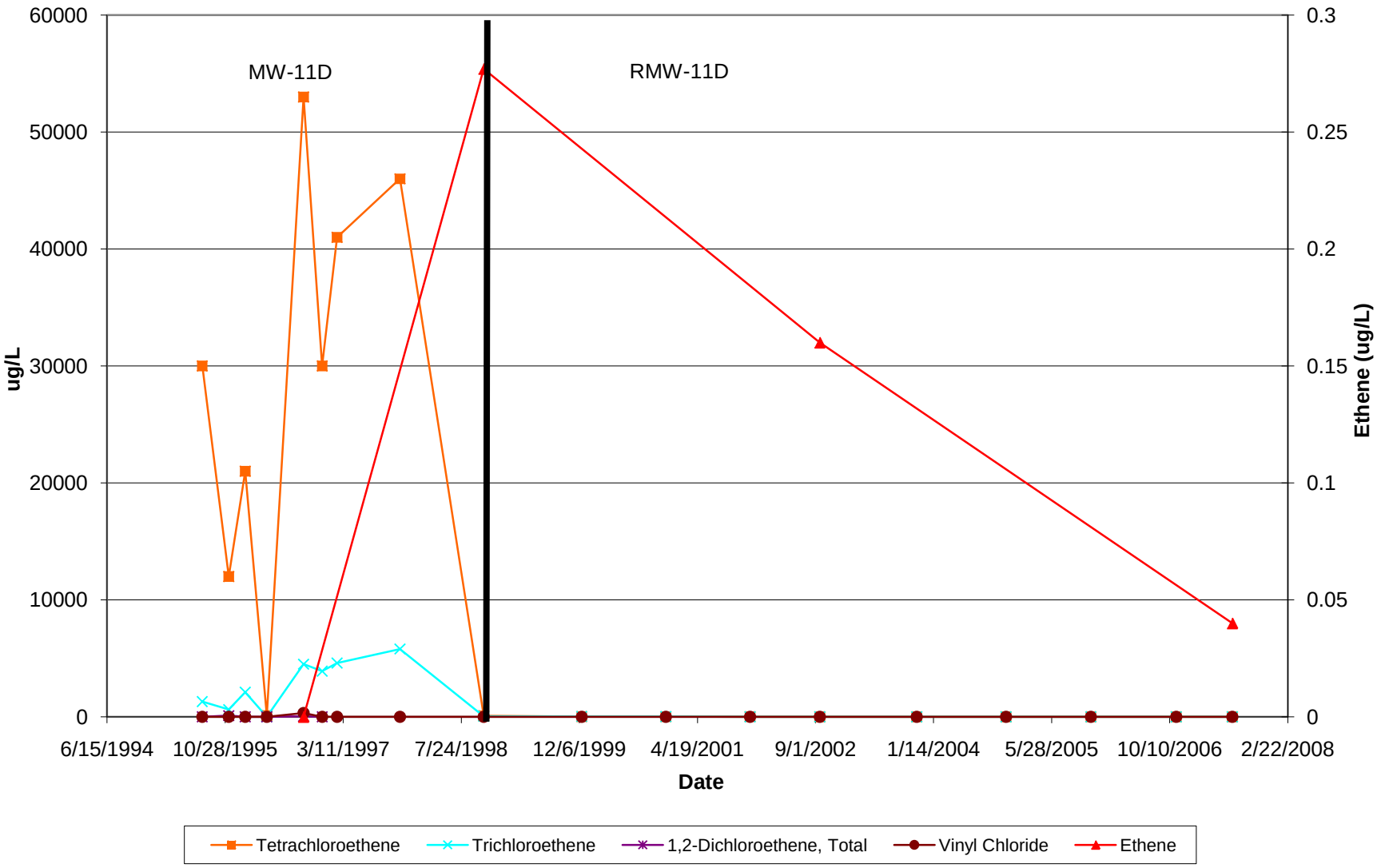
Data Record for MW-10D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



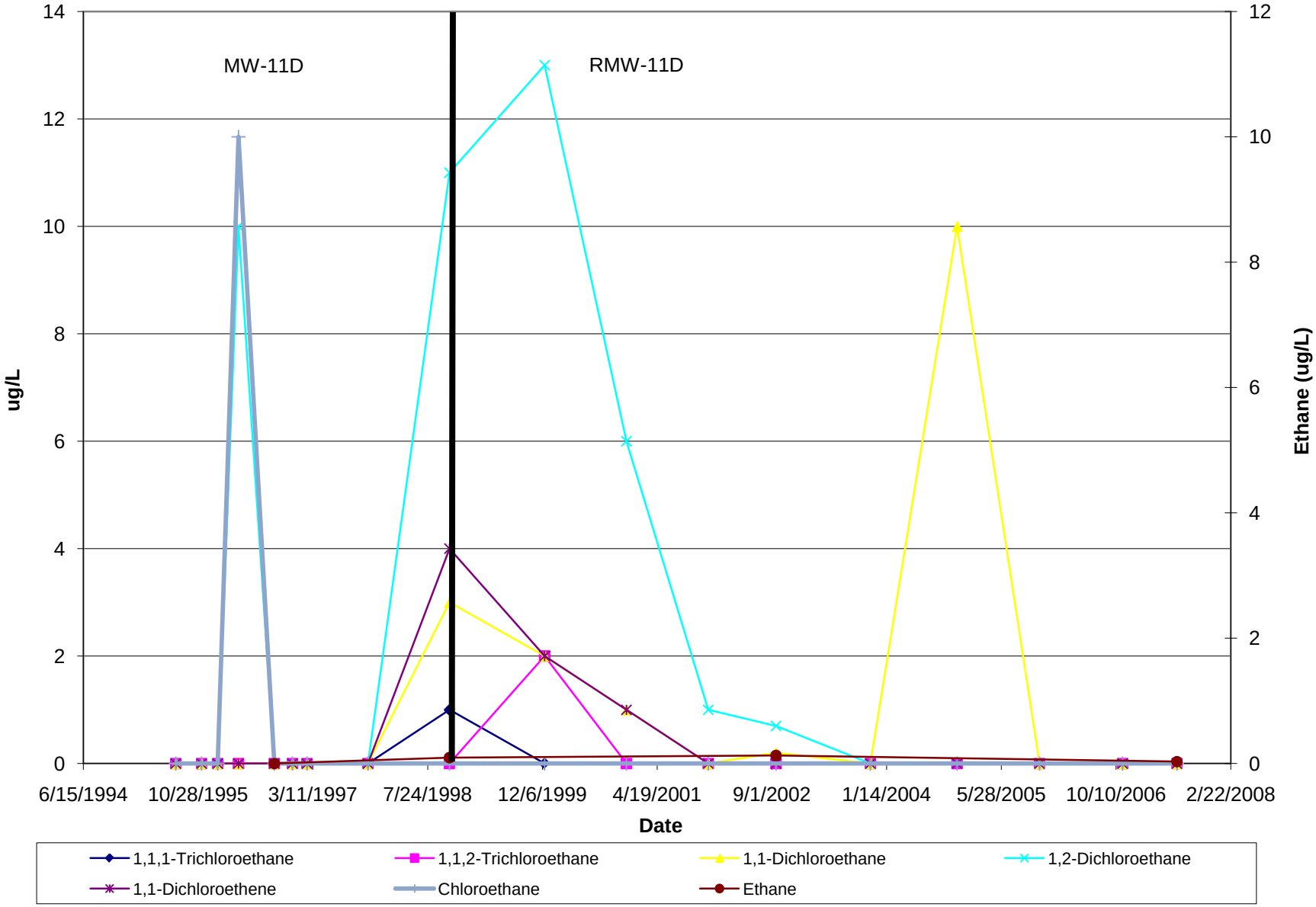
Data Record for MW-10D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



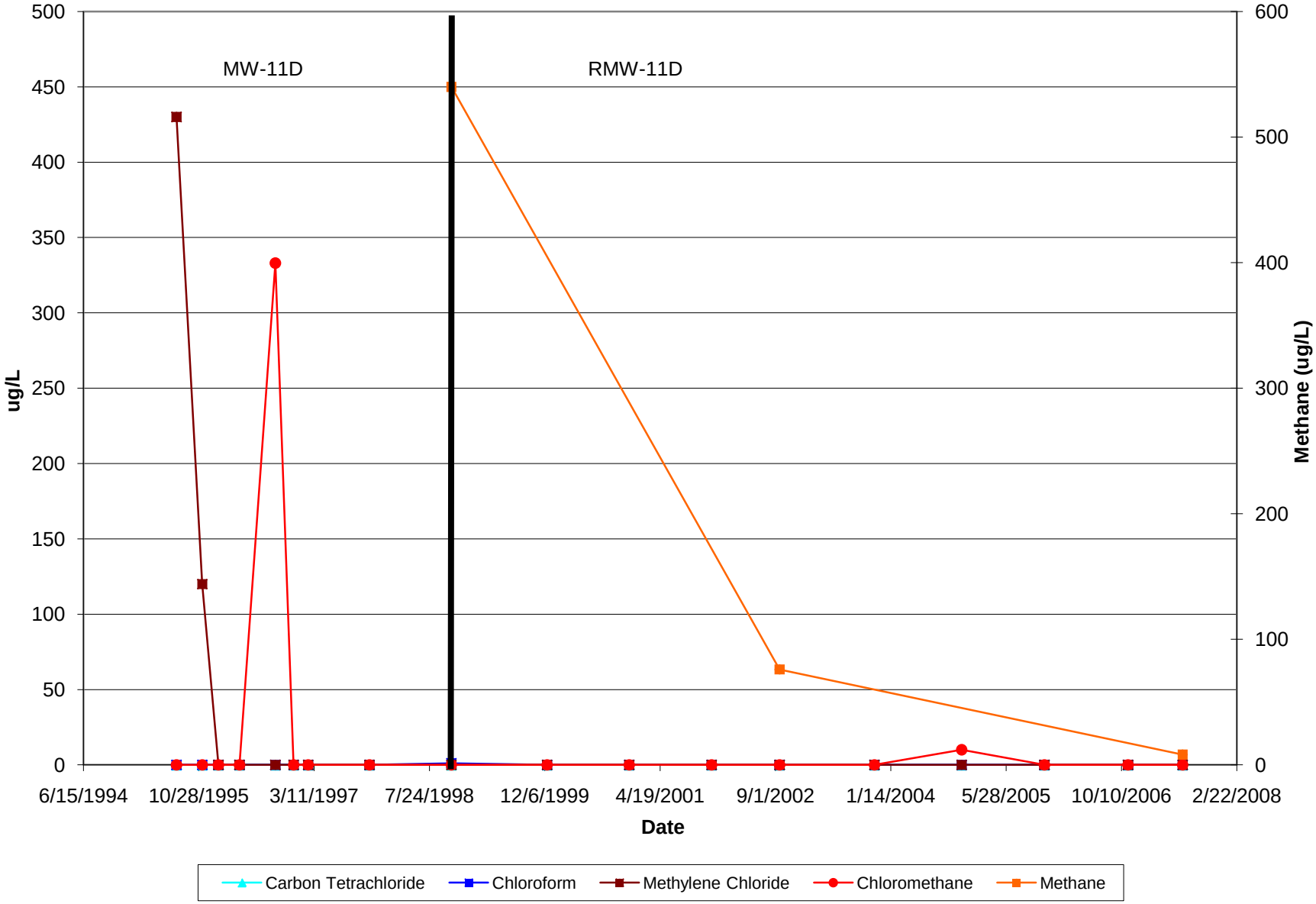
Data Record for RMW-11D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



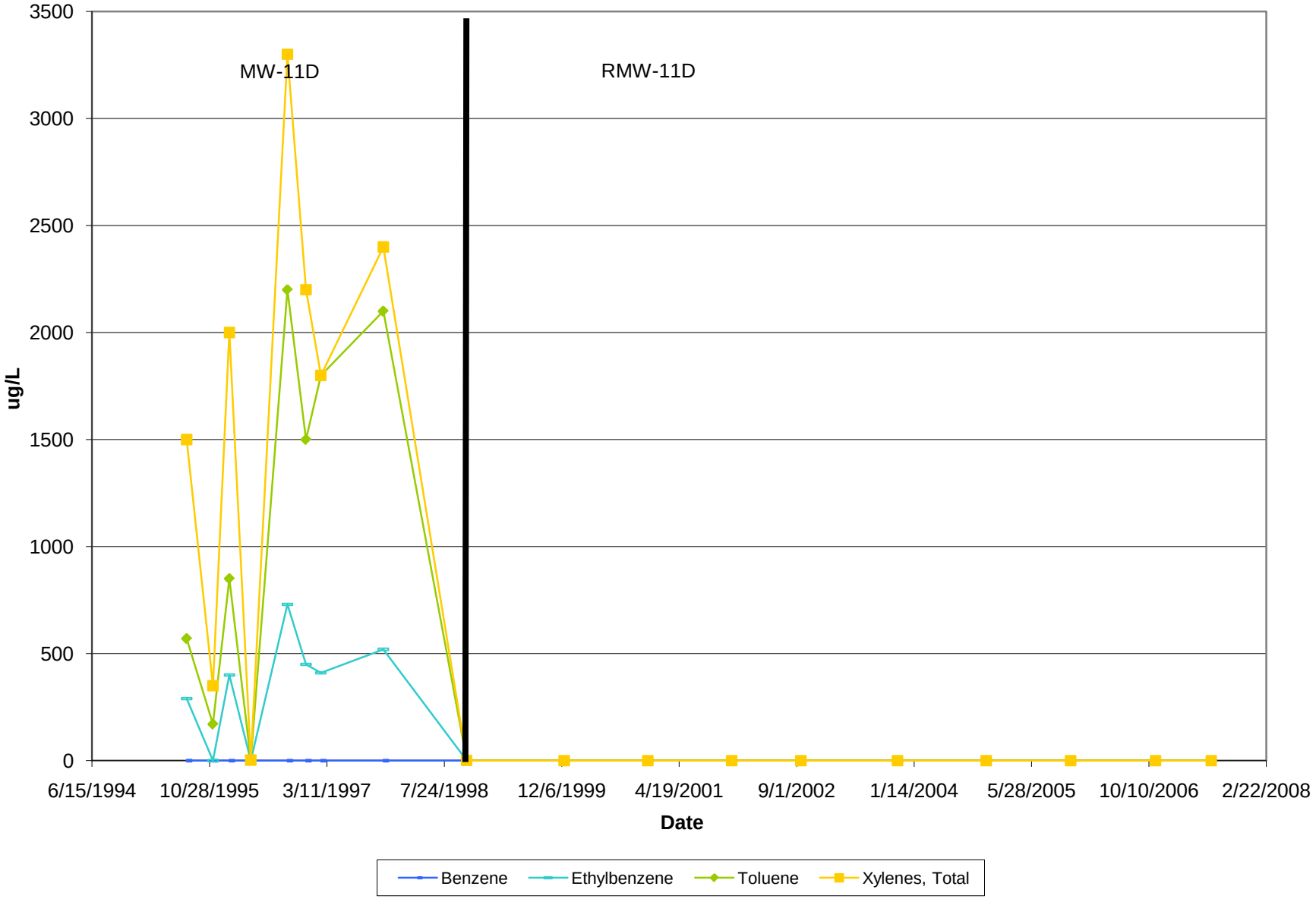
Data Record for RMW-11D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



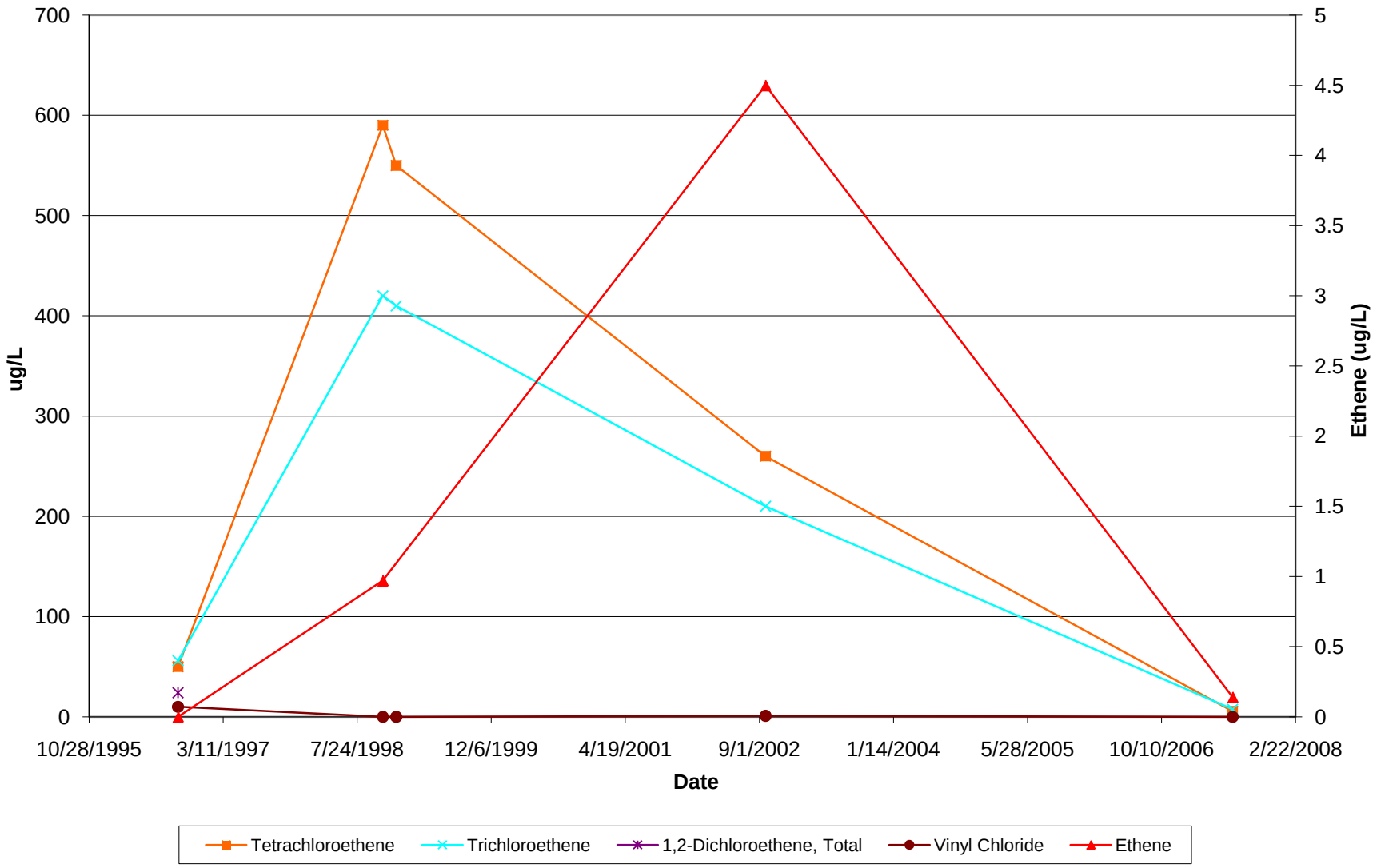
Data Record for RMW-11D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



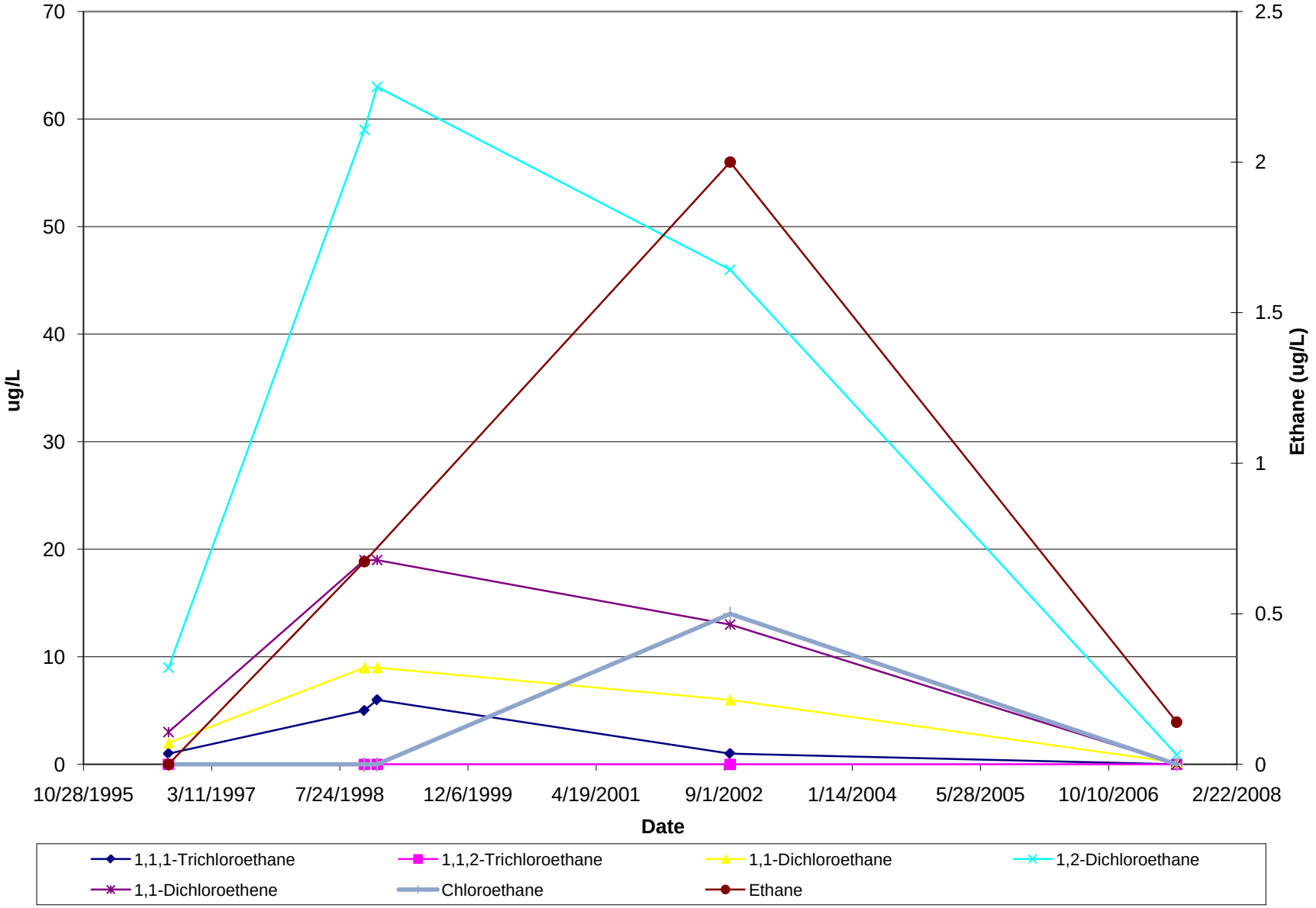
Data Record for RMW-11D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for MW-11R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

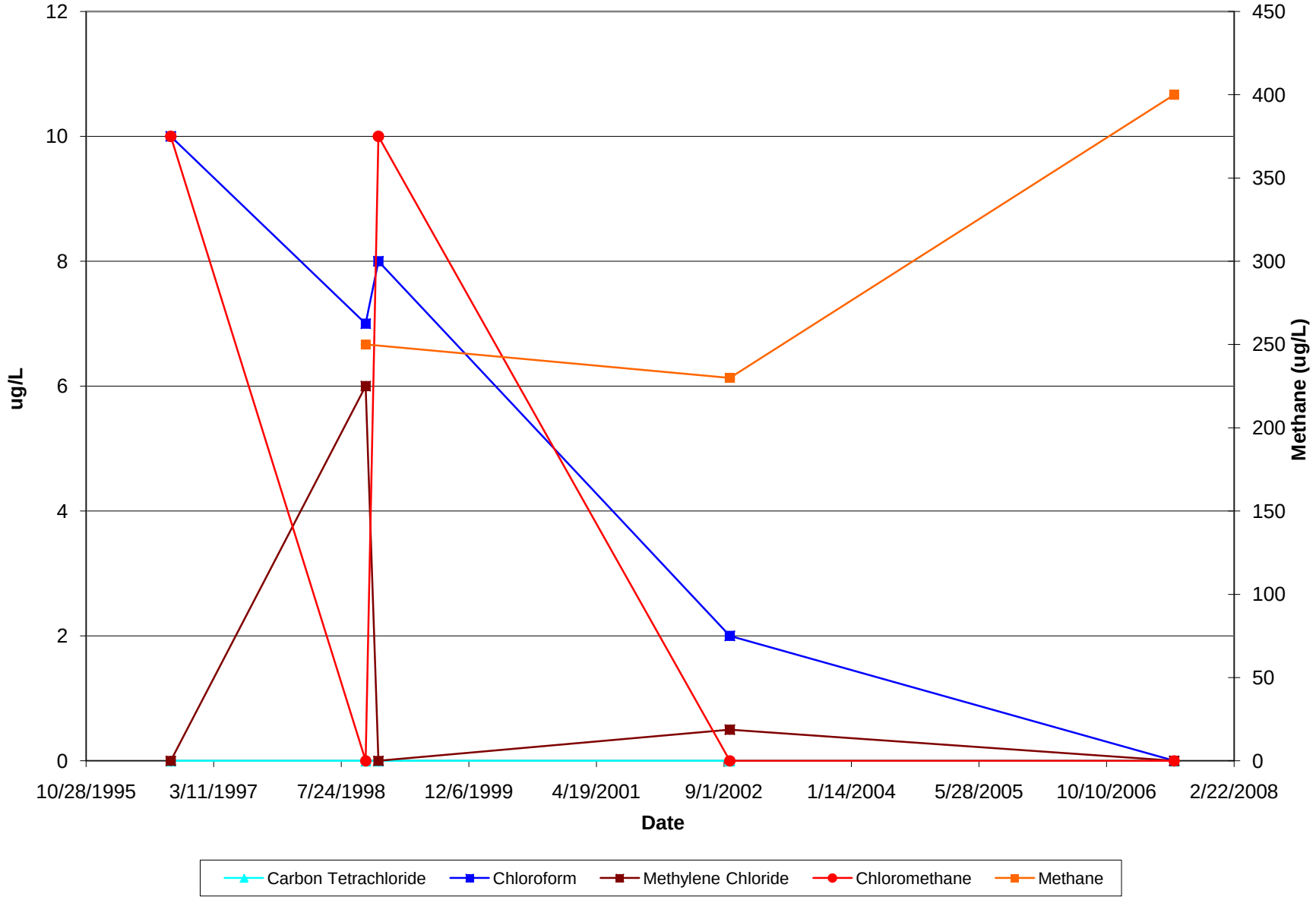


Data Record for MW-11R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

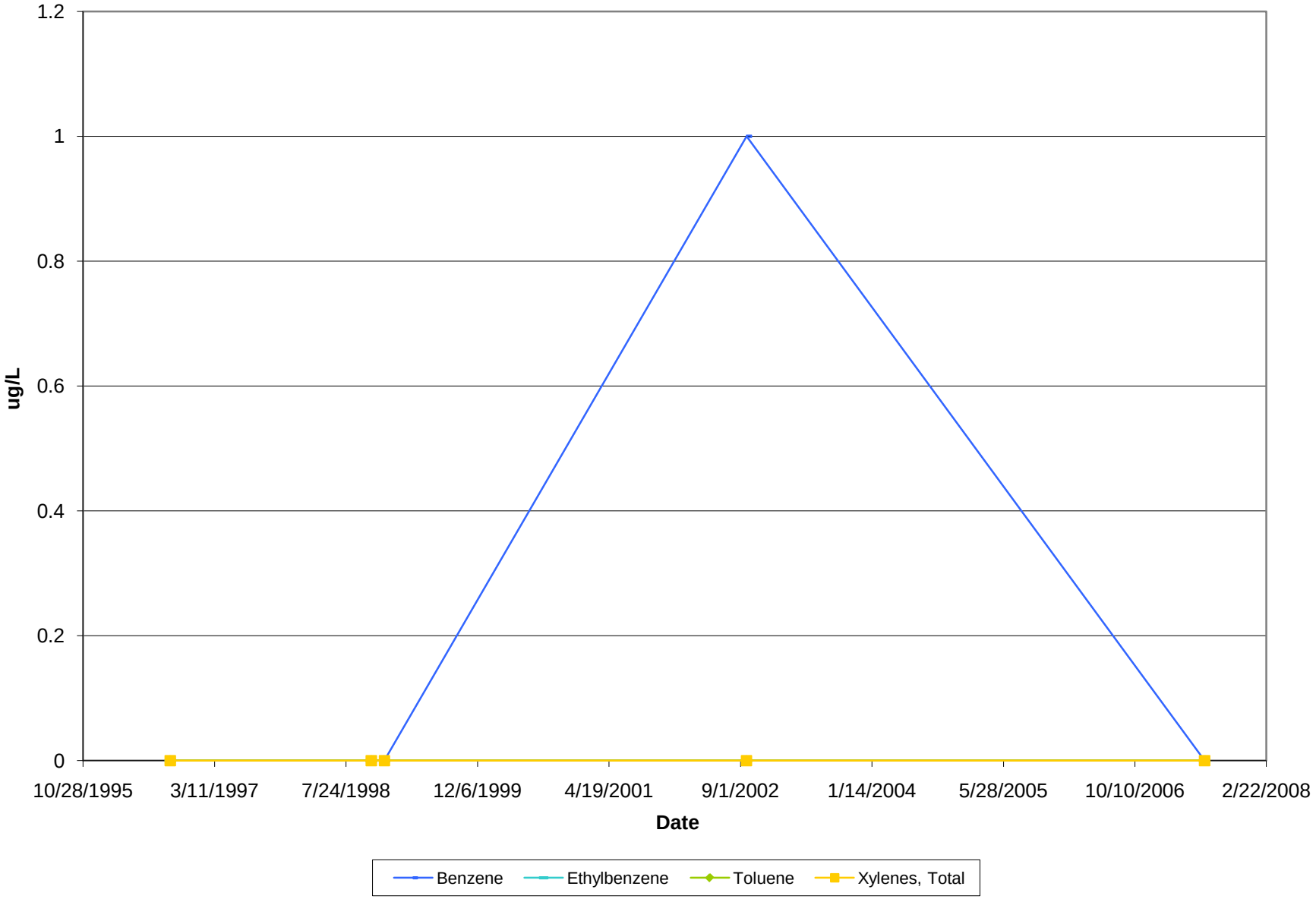


Golder Associates

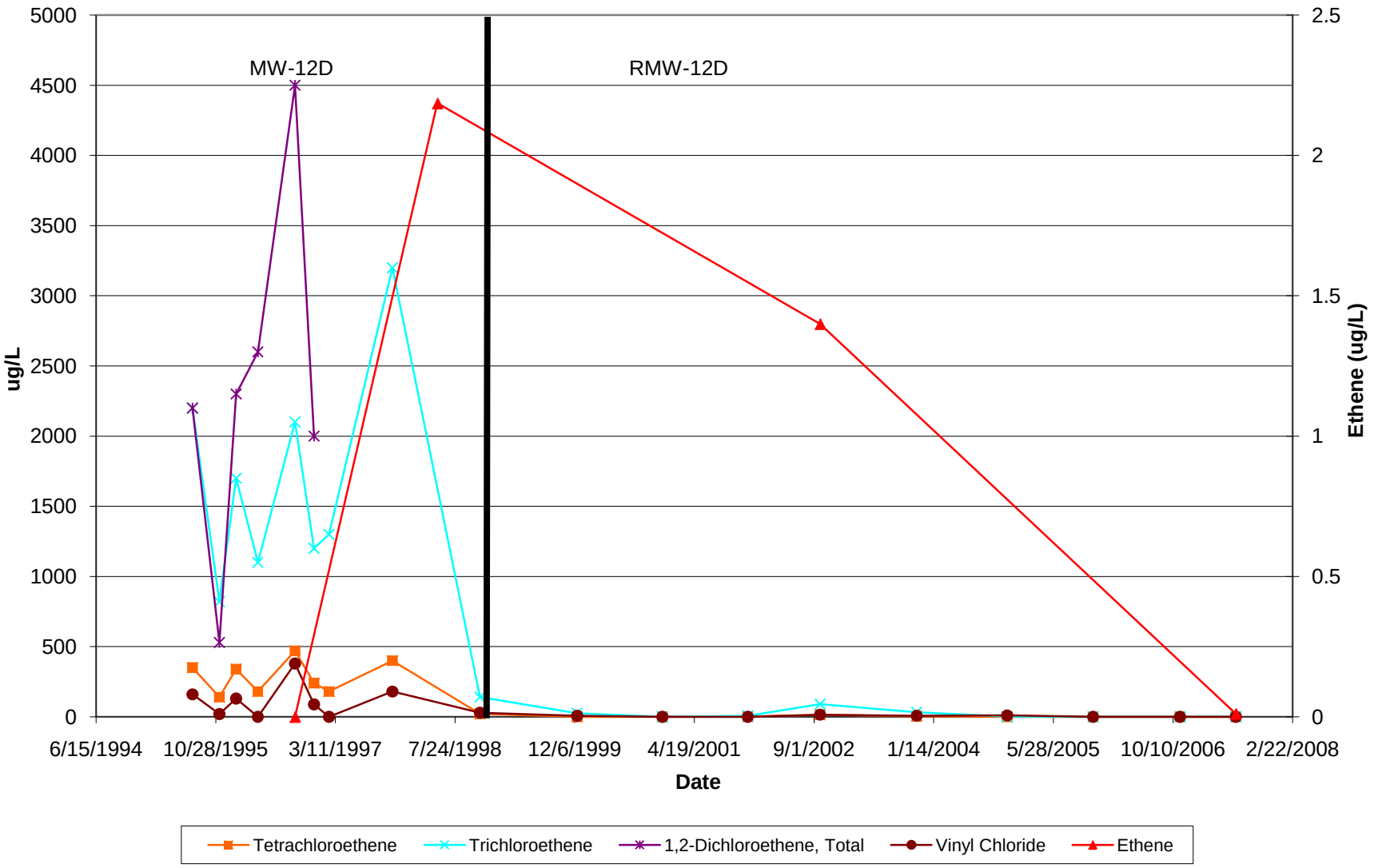
Data Record for MW-11R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



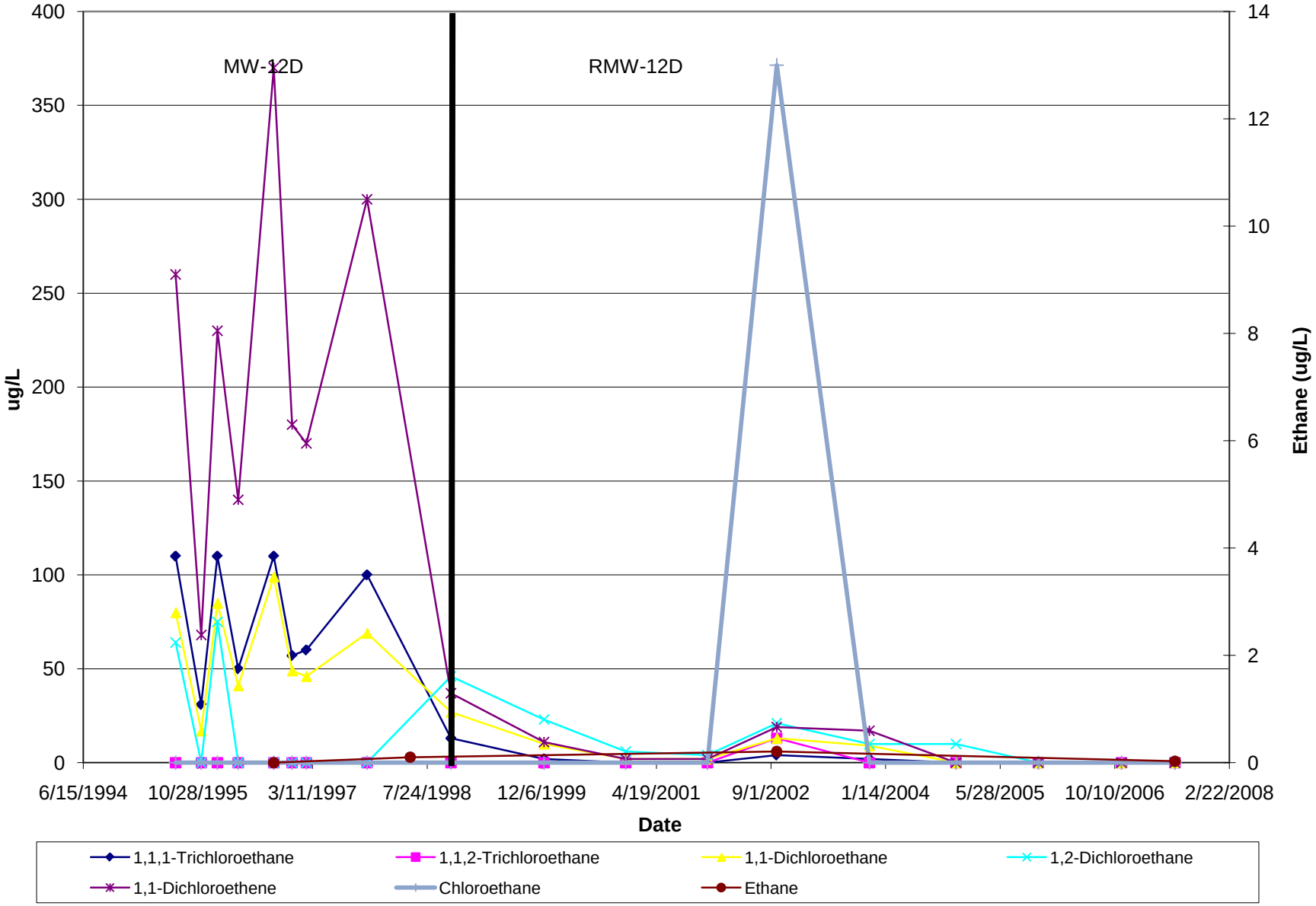
Data Record for MW-11R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



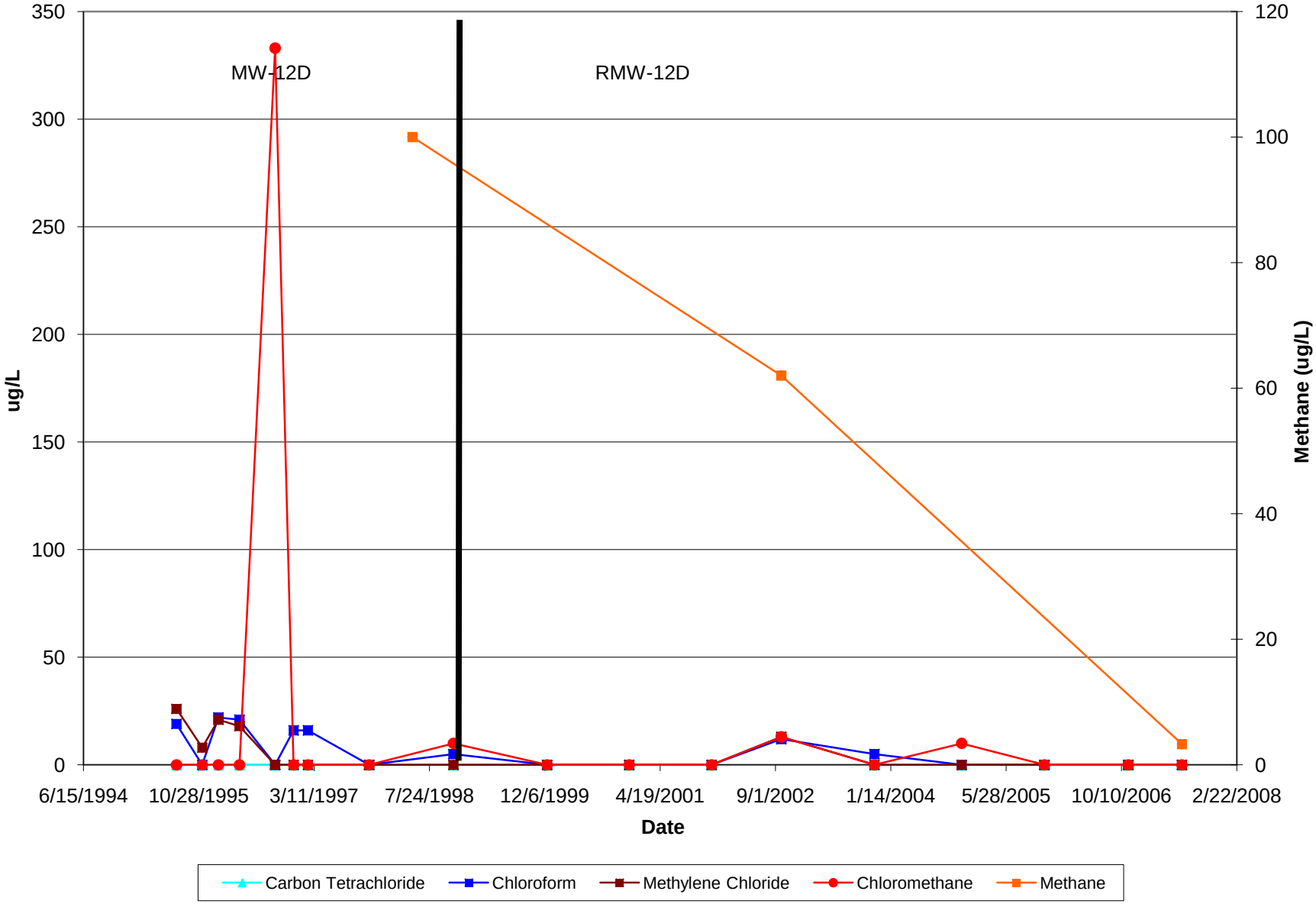
Data Record for RMW-12D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



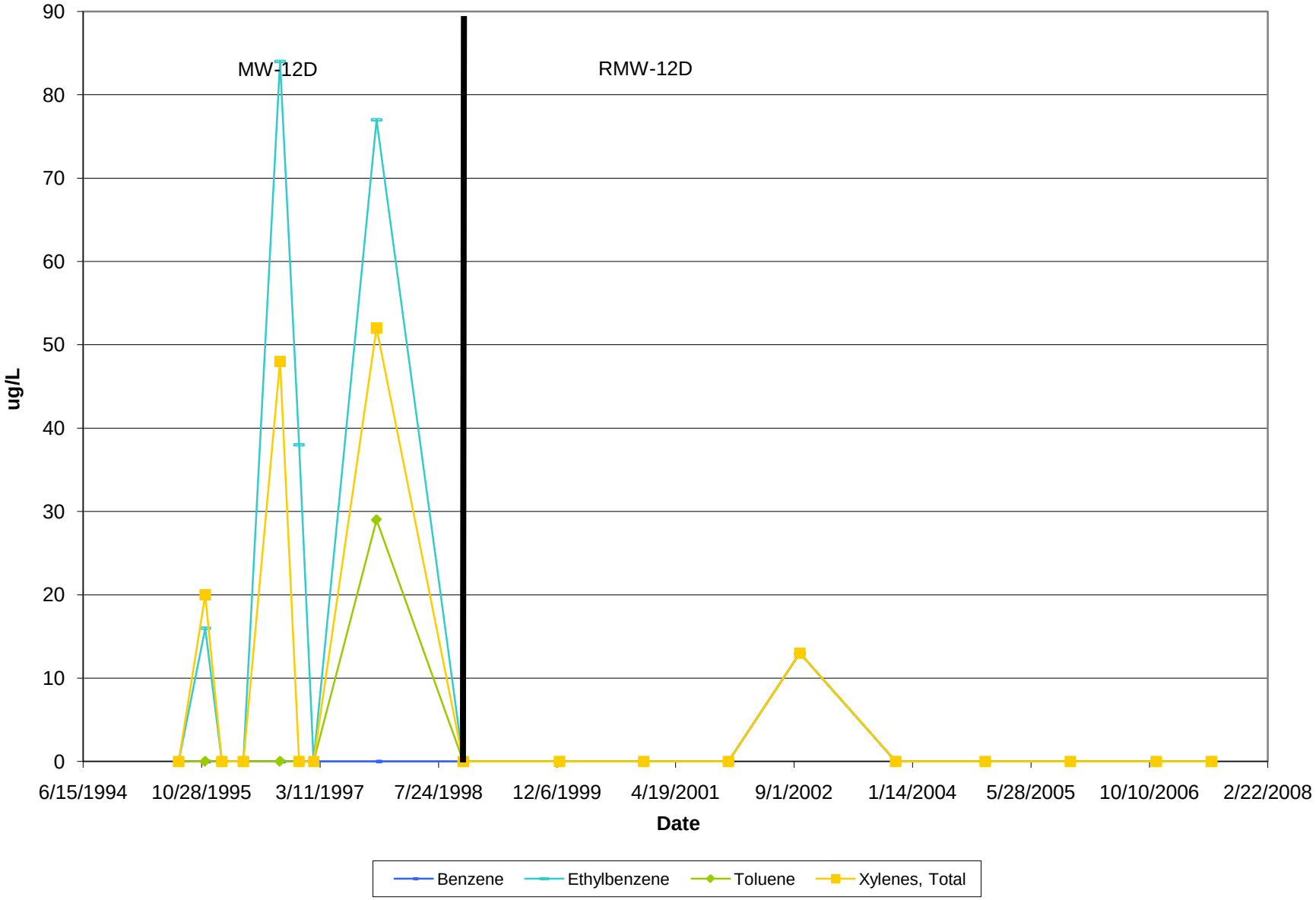
Data Record for RMW-12D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



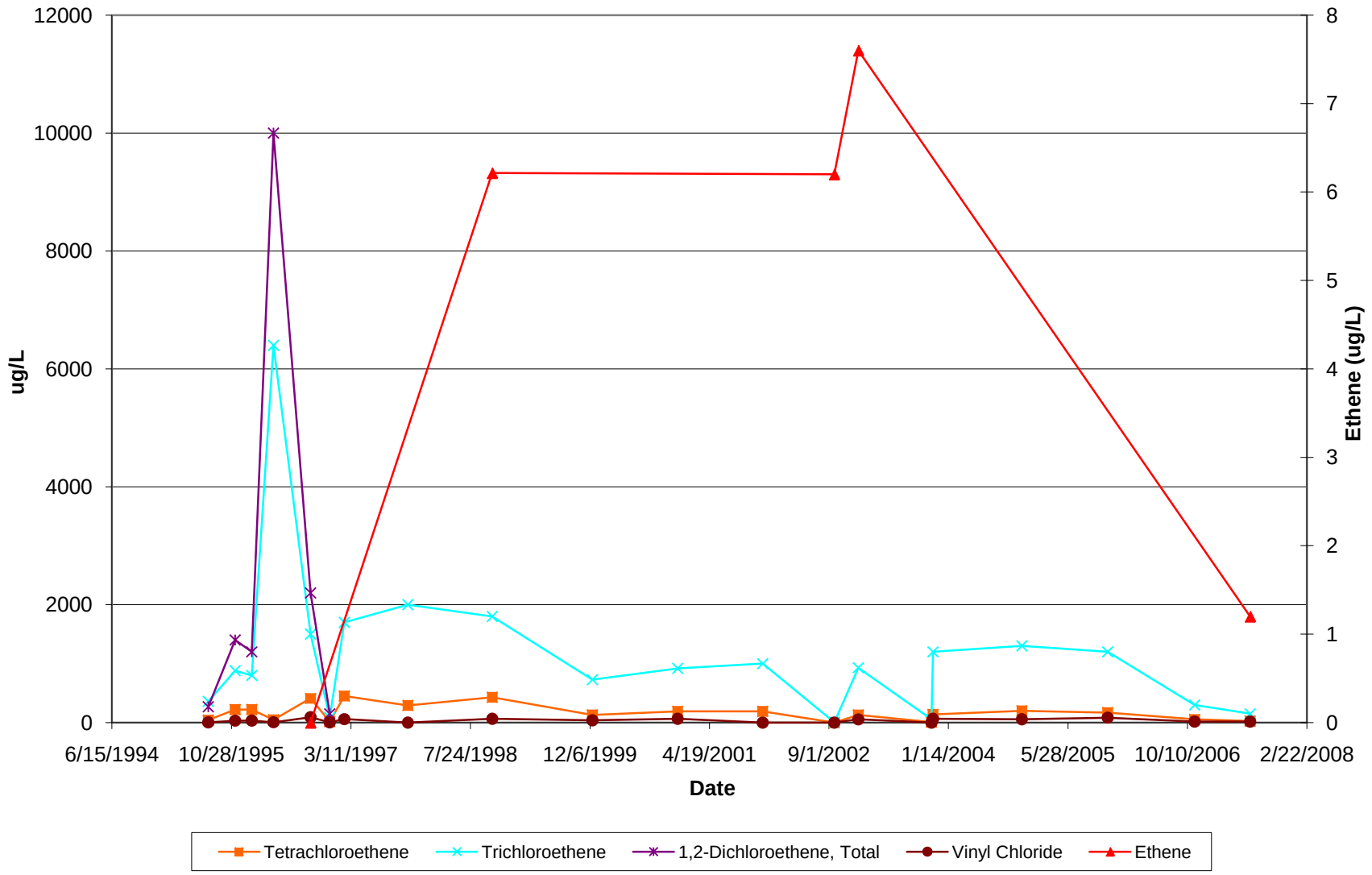
Data Record for RMW-12D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



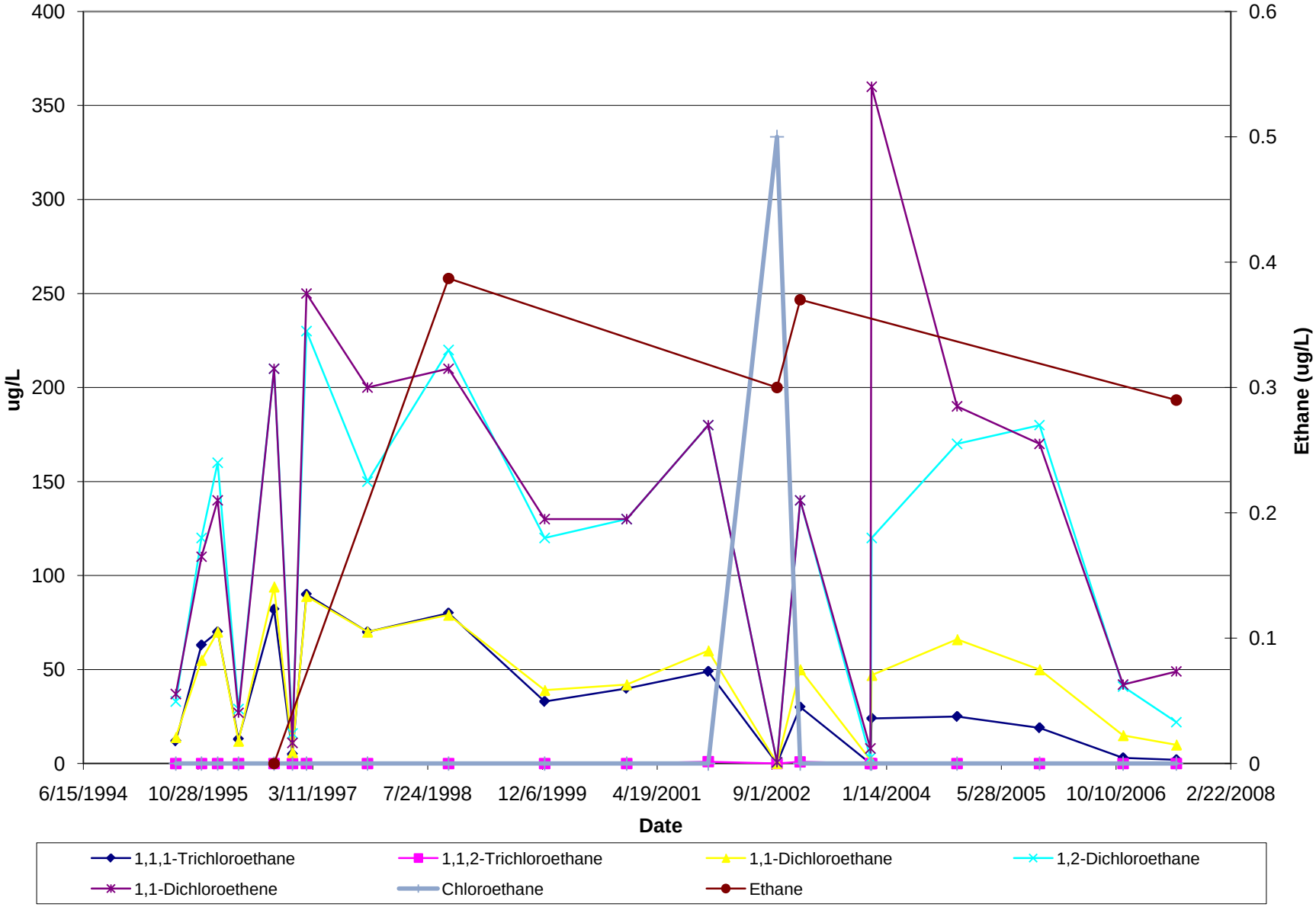
Data Record for RMW-12D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



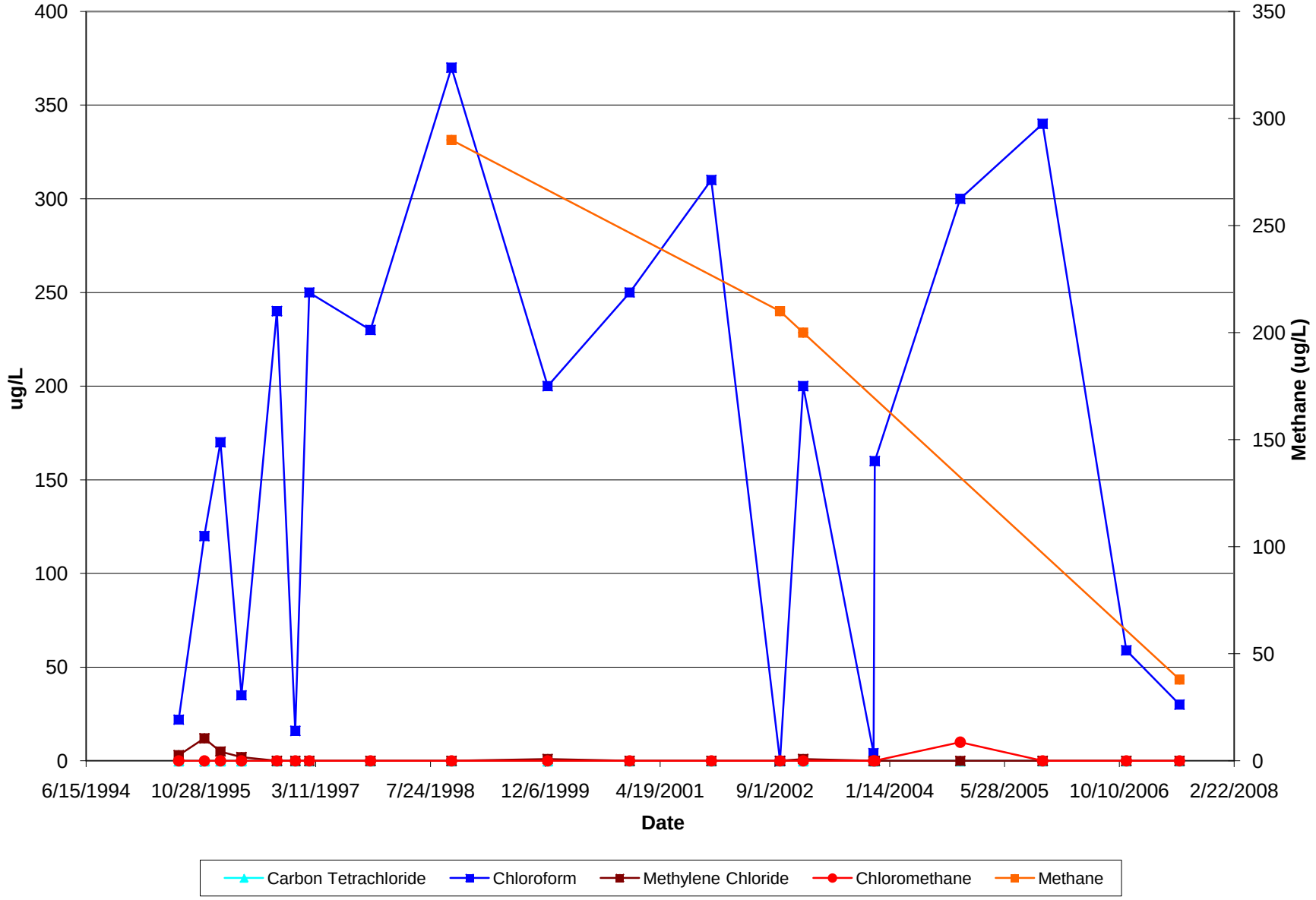
Data Record for RMW-13D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



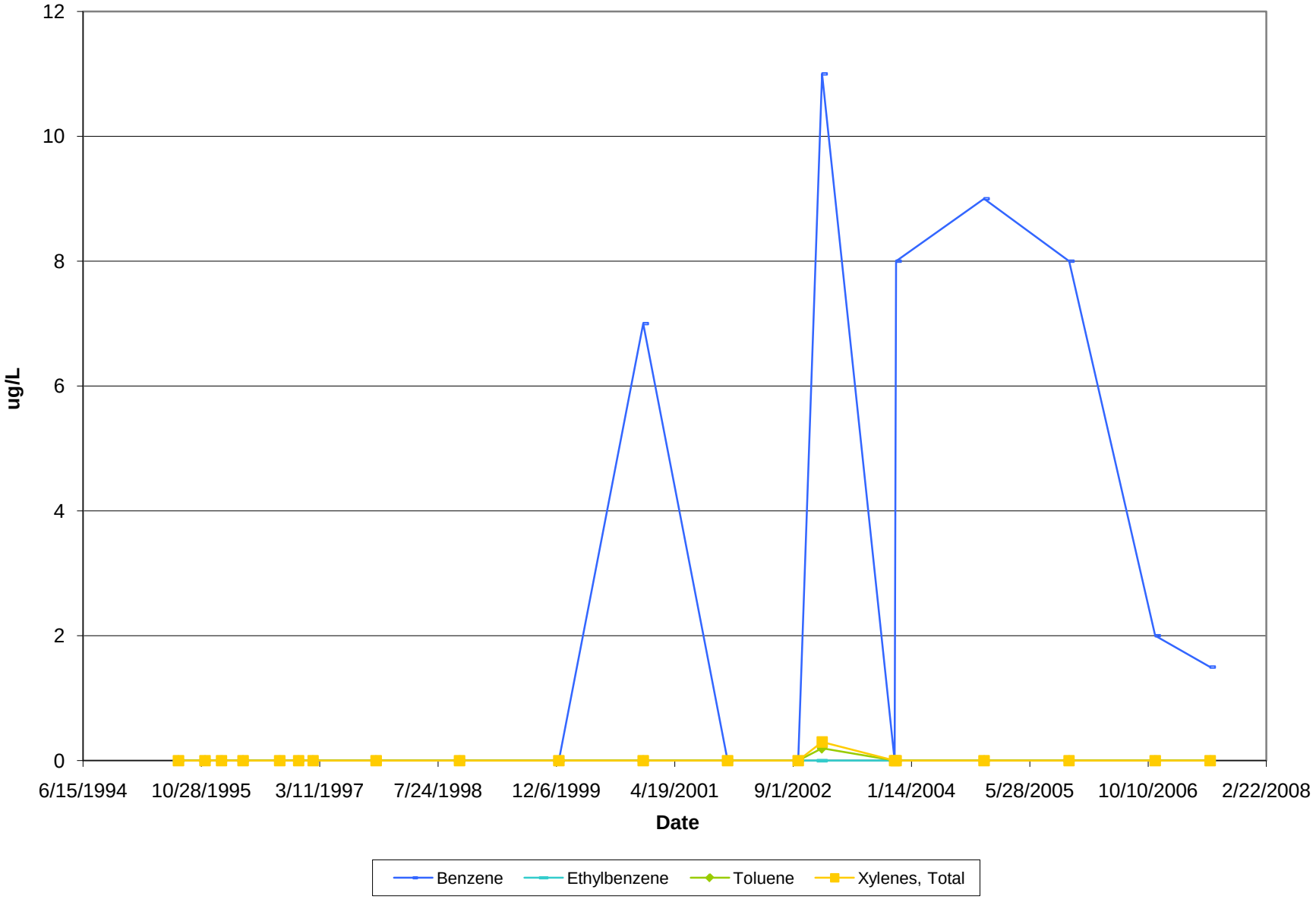
Data Record for RMW-13D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



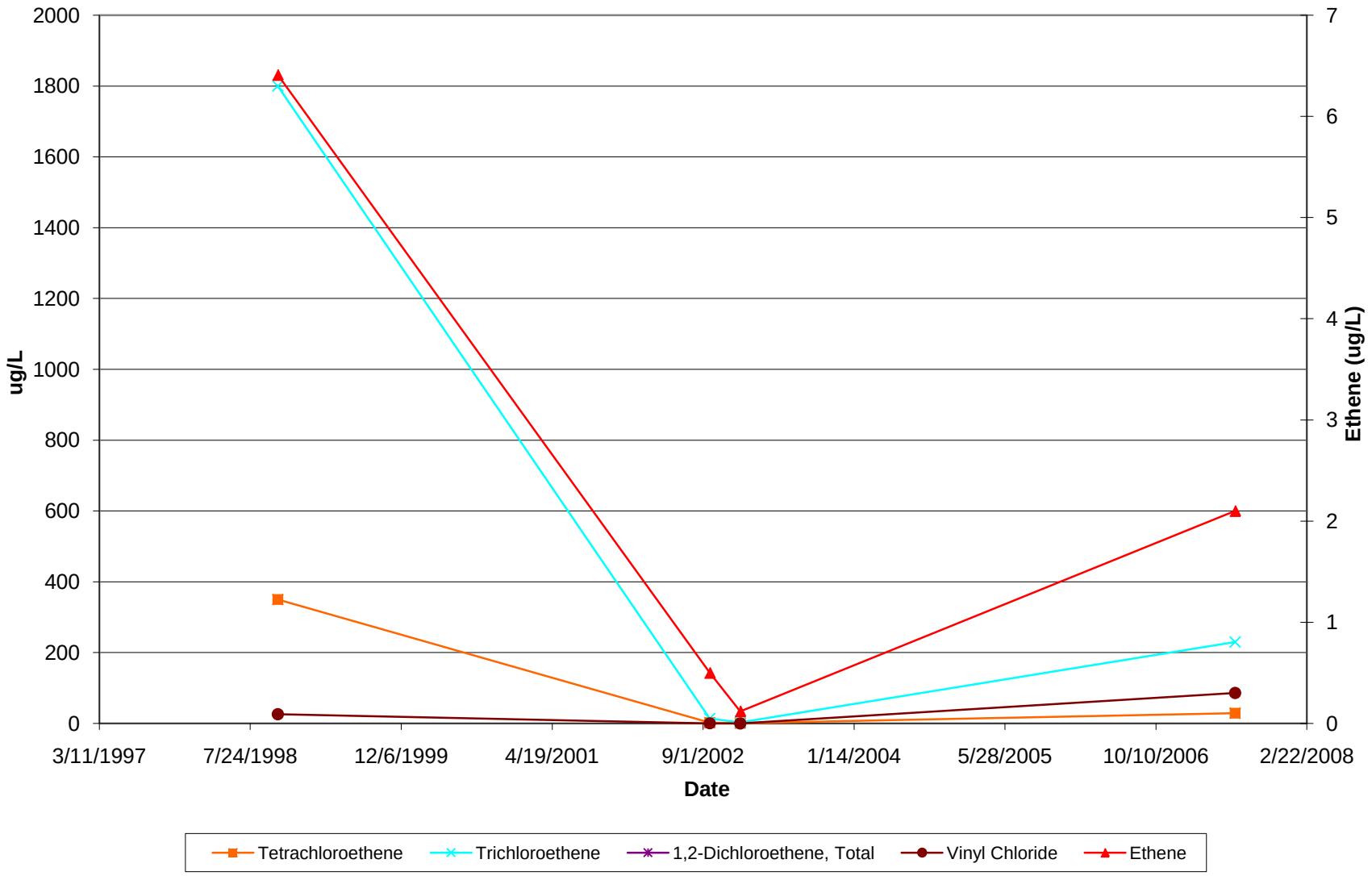
Data Record for RMW-13D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



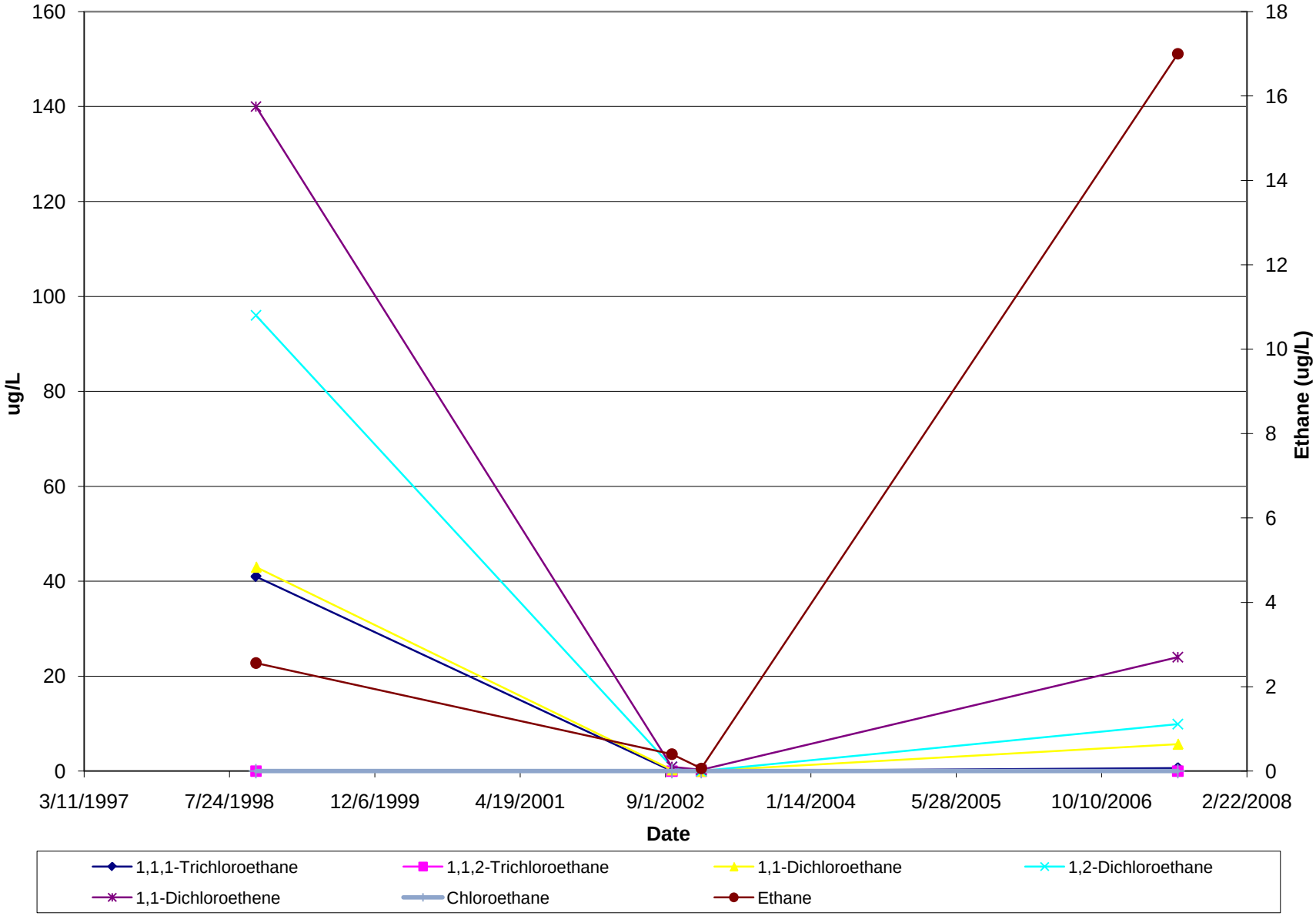
Data Record for RMW-13D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



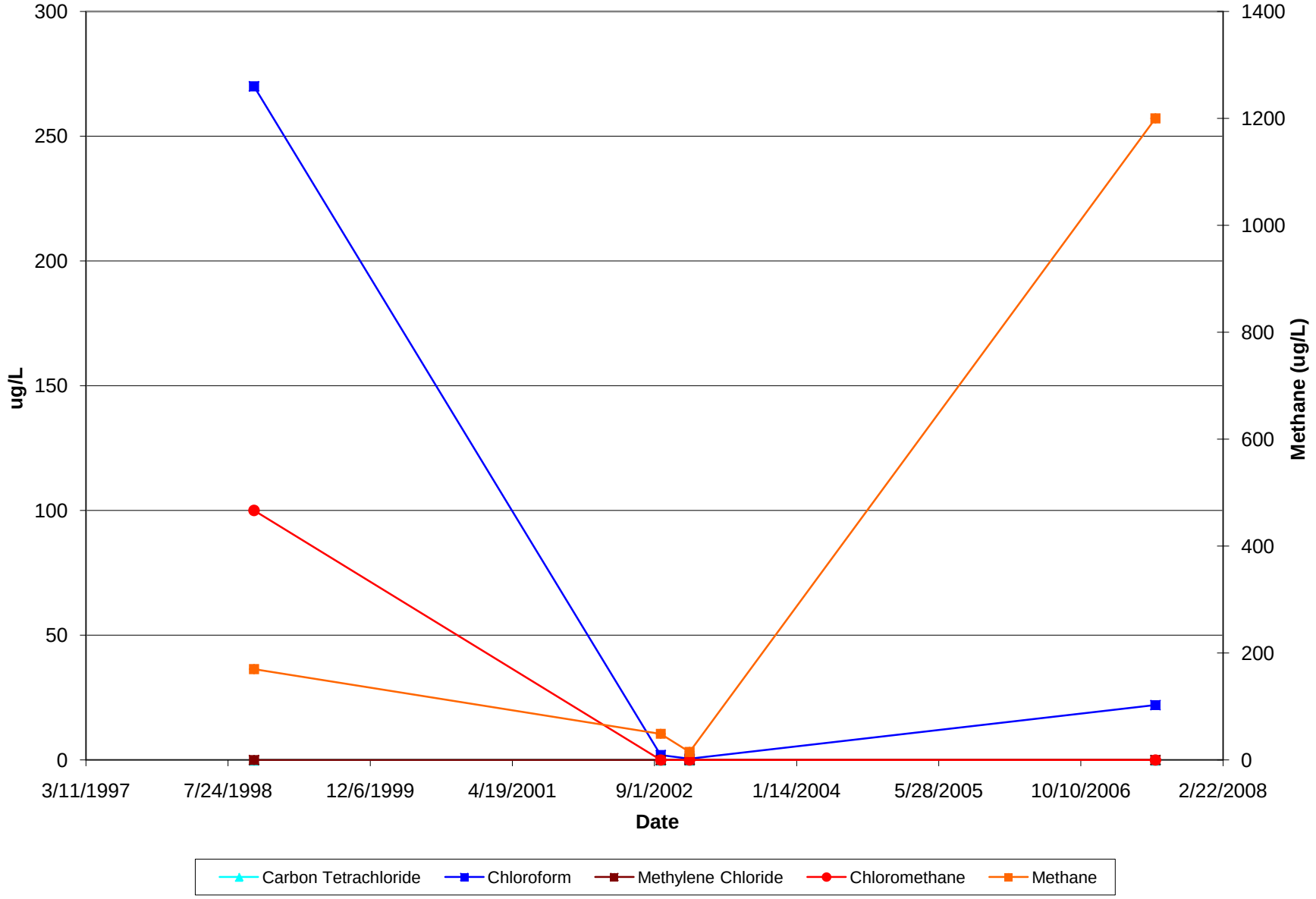
Data Record for MW-13R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



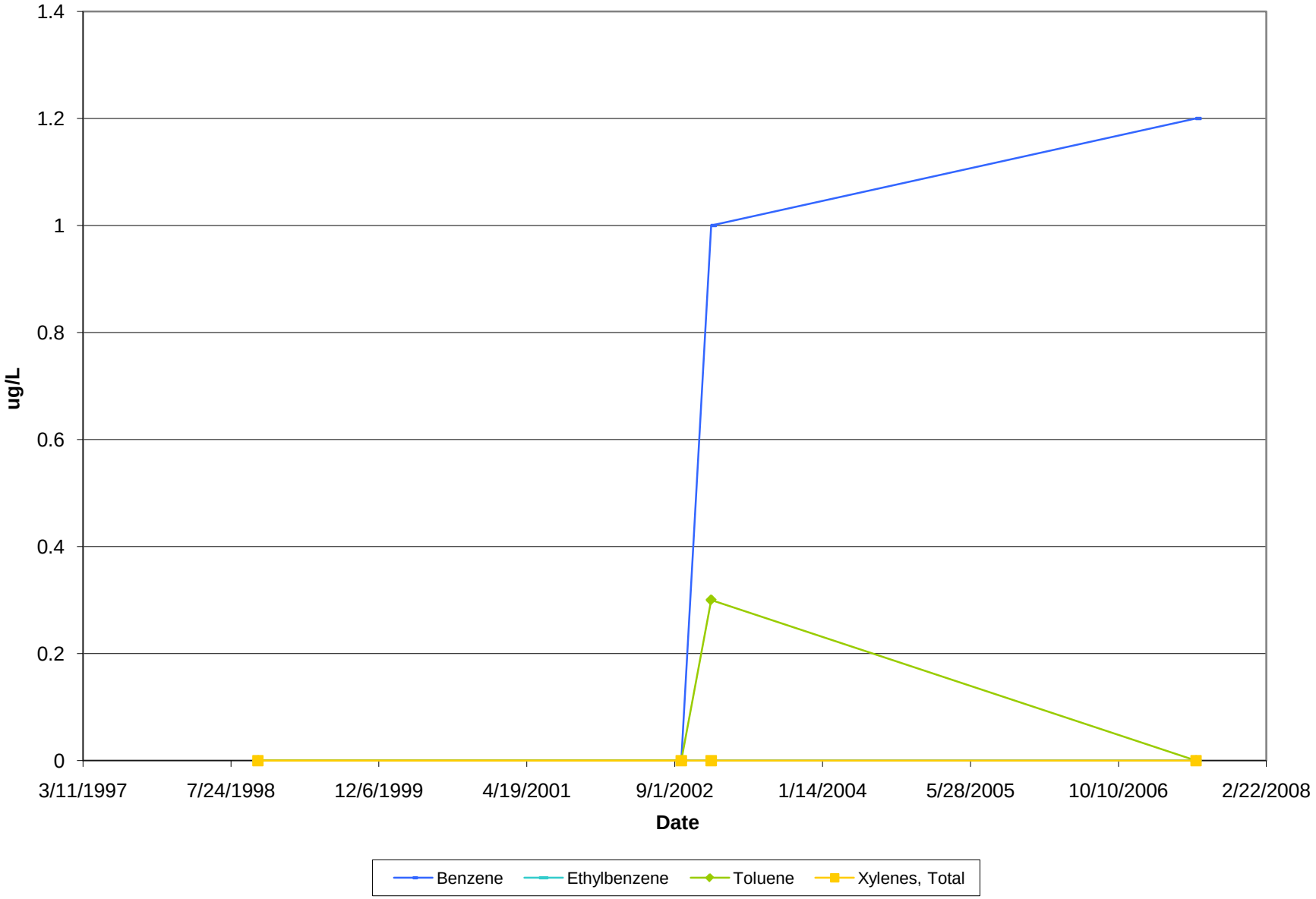
Data Record for MW-13R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



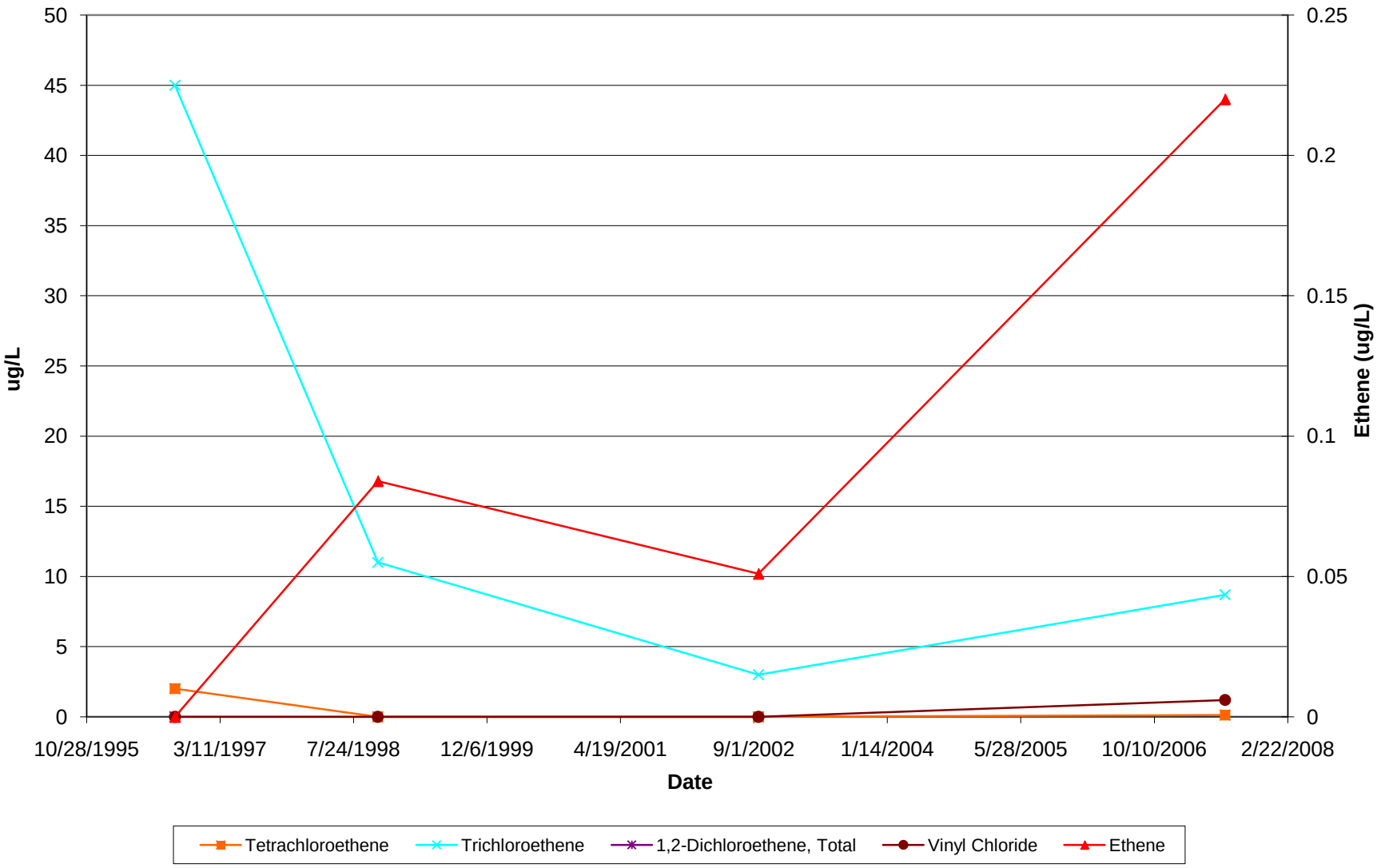
Data Record for MW-13R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



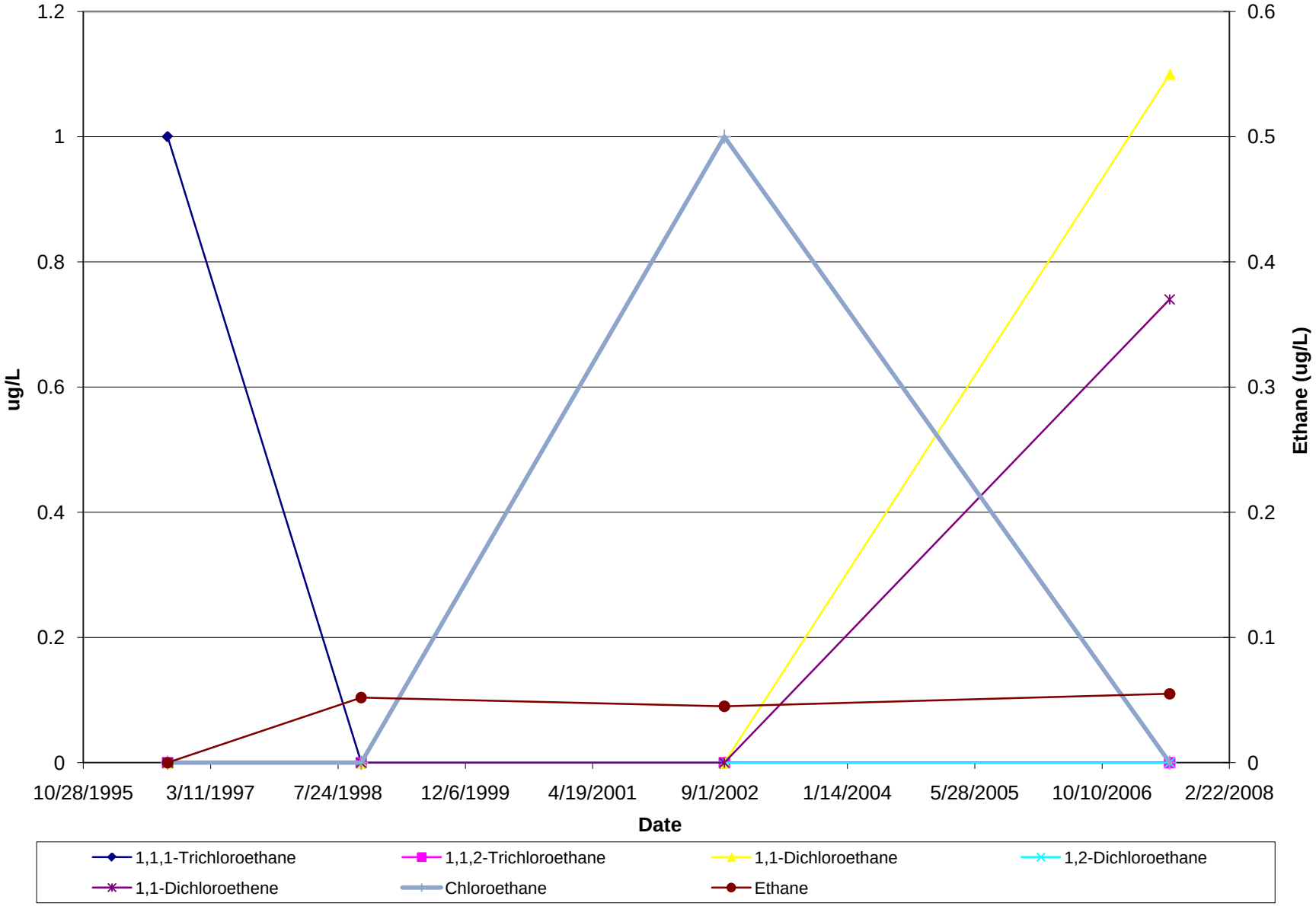
Data Record for MW-13R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



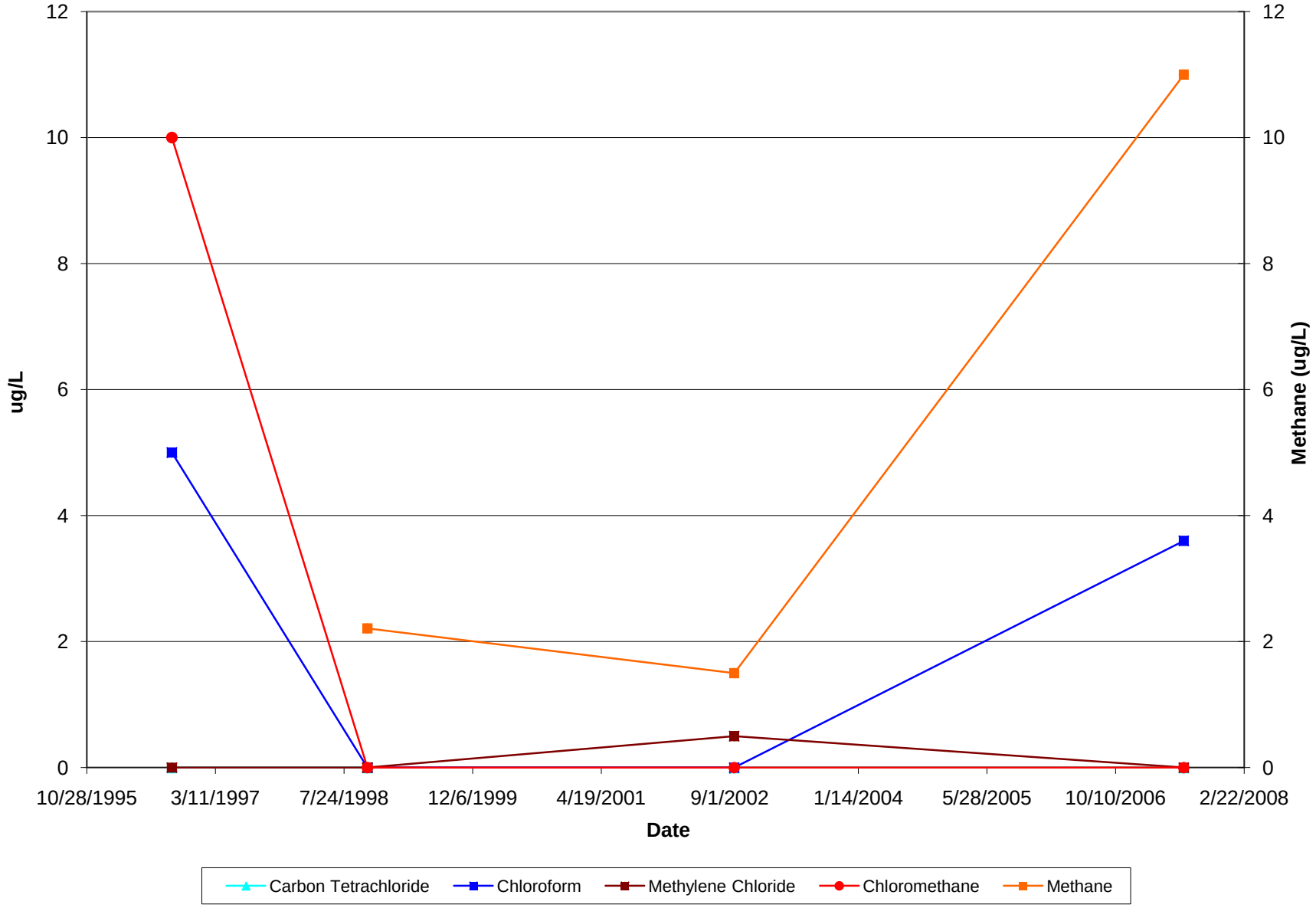
Data Record for MW-14D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



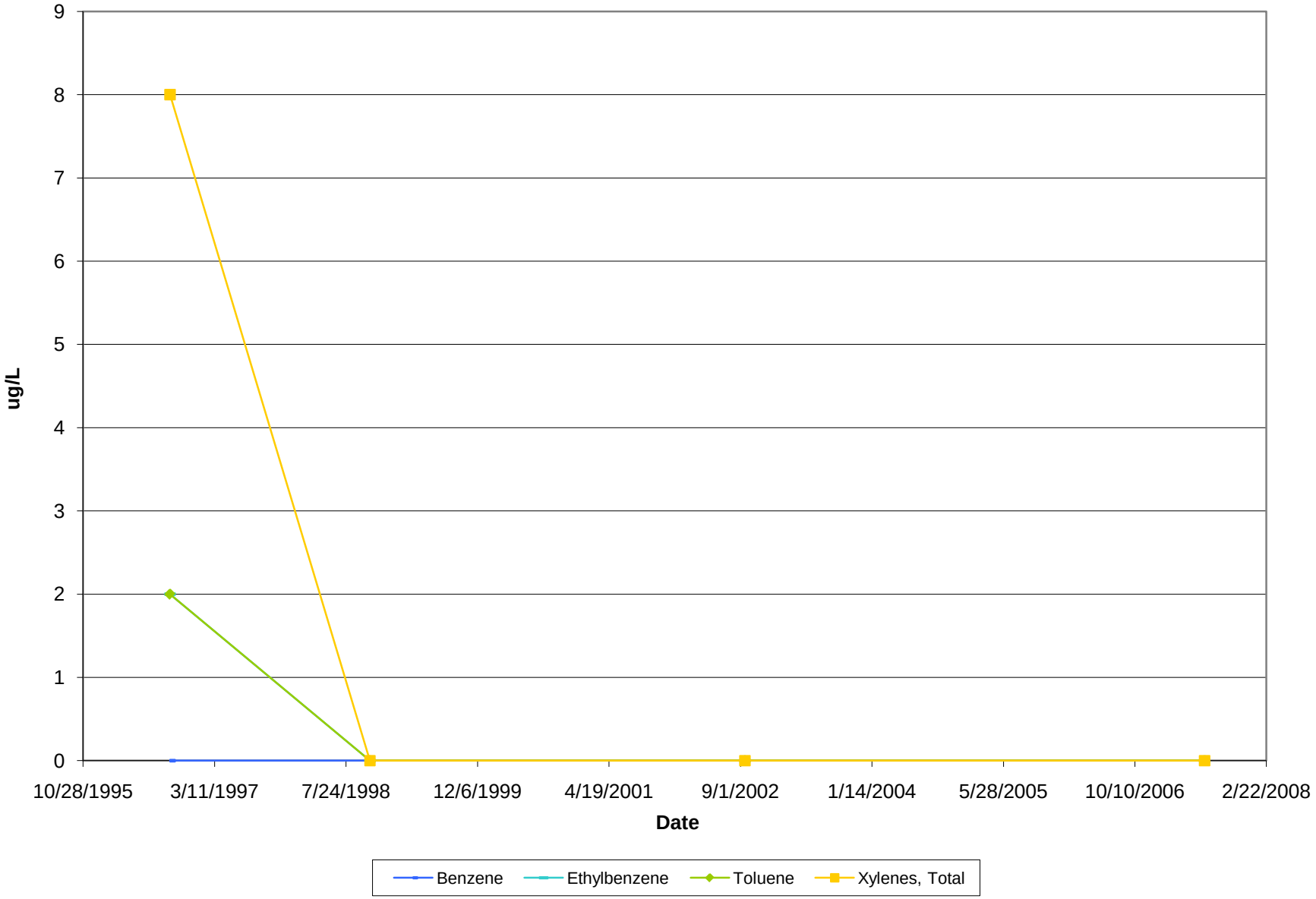
Data Record for MW-14D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



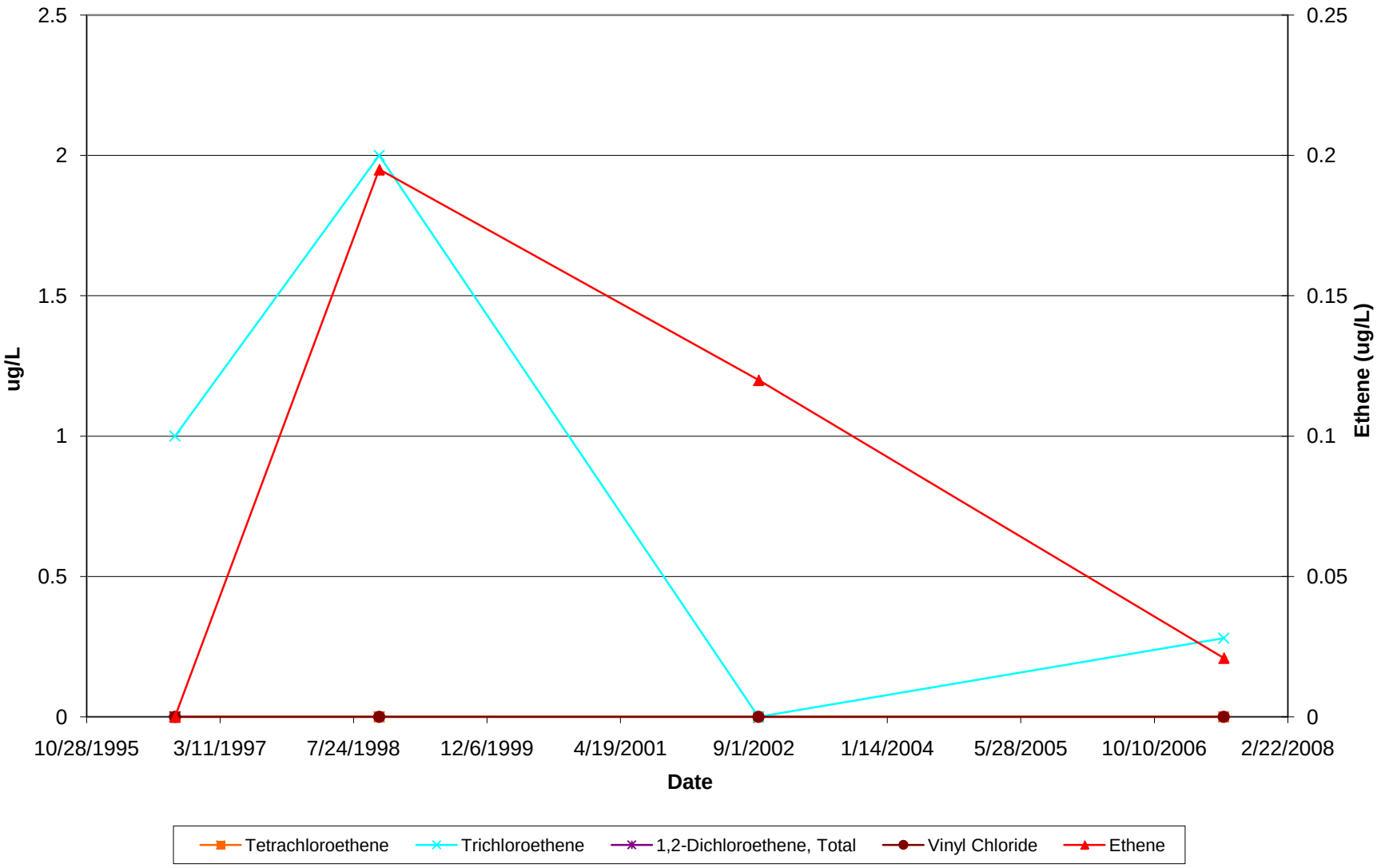
Data Record for MW-14D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



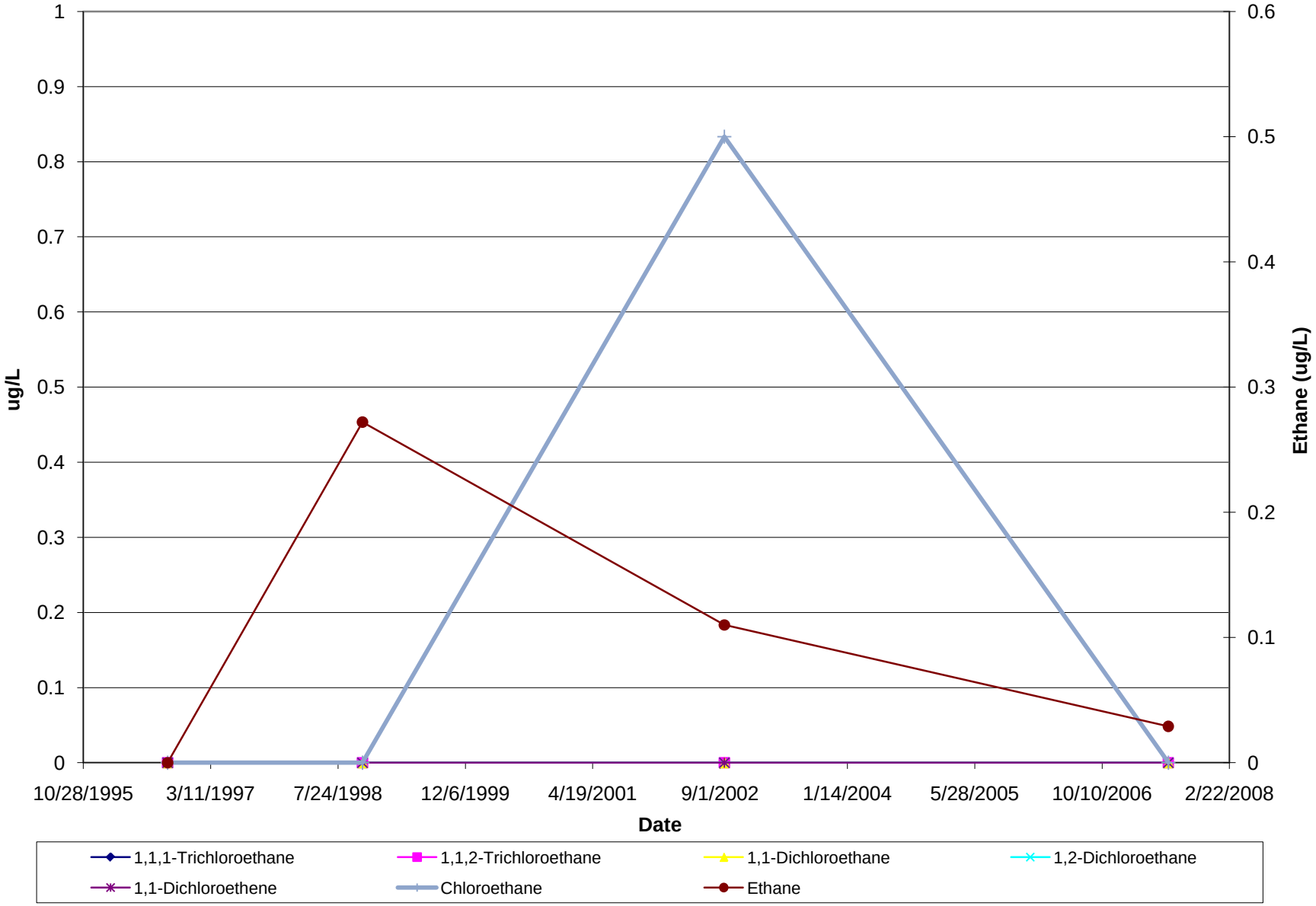
Data Record for MW-14D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



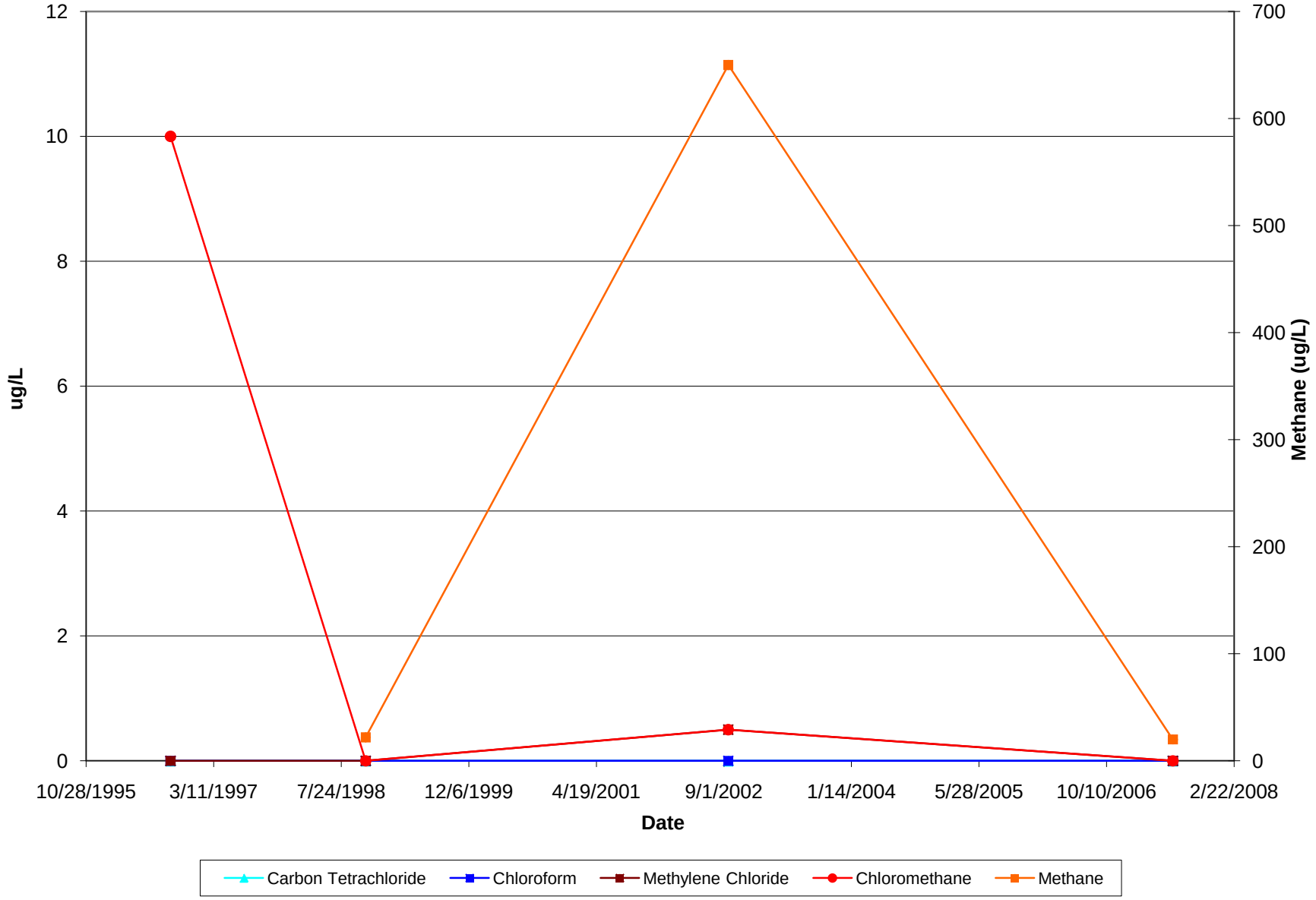
Data Record for MW-14R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



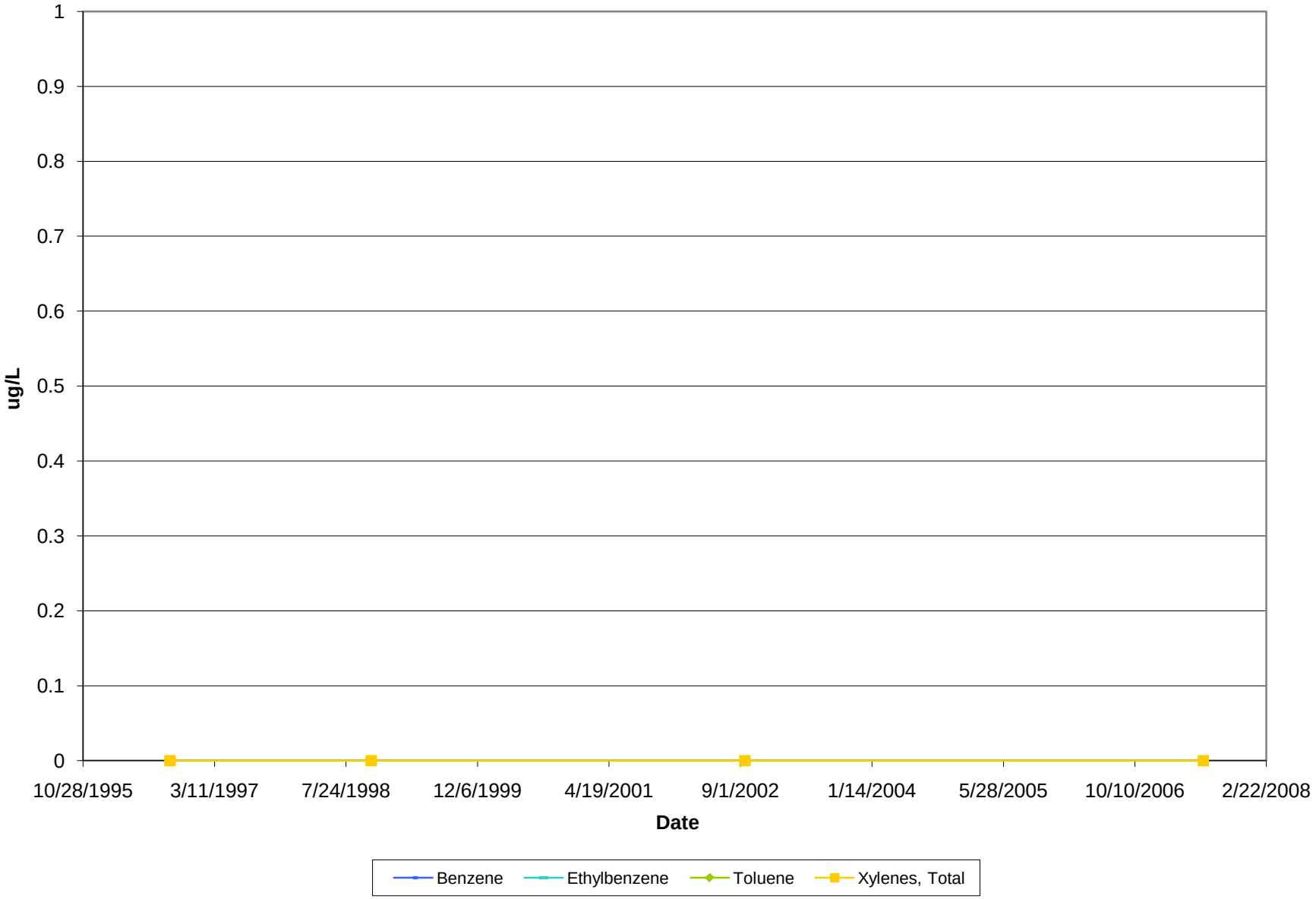
Data Record for MW-14R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for MW-14R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

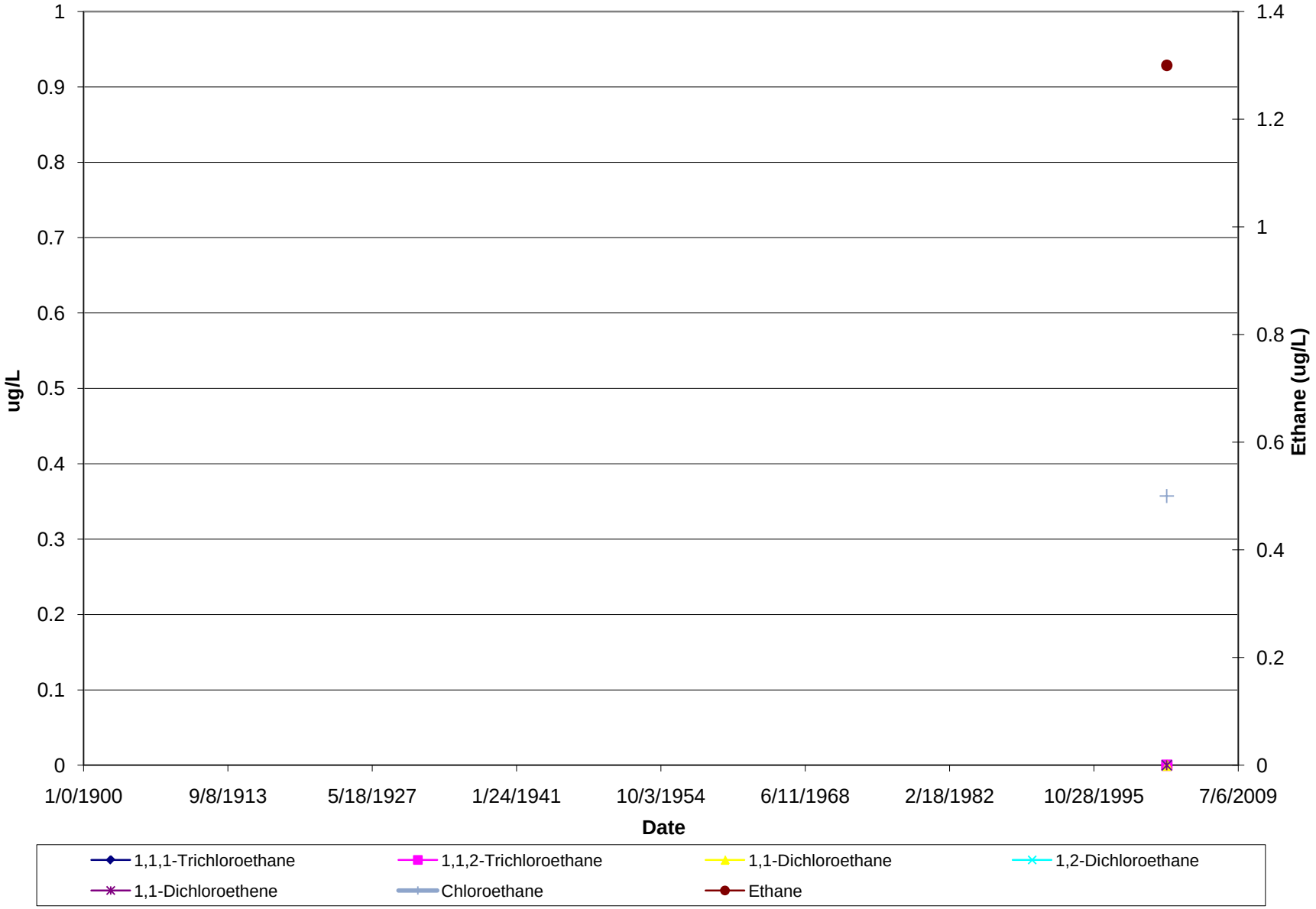


Data Record for MW-14R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey

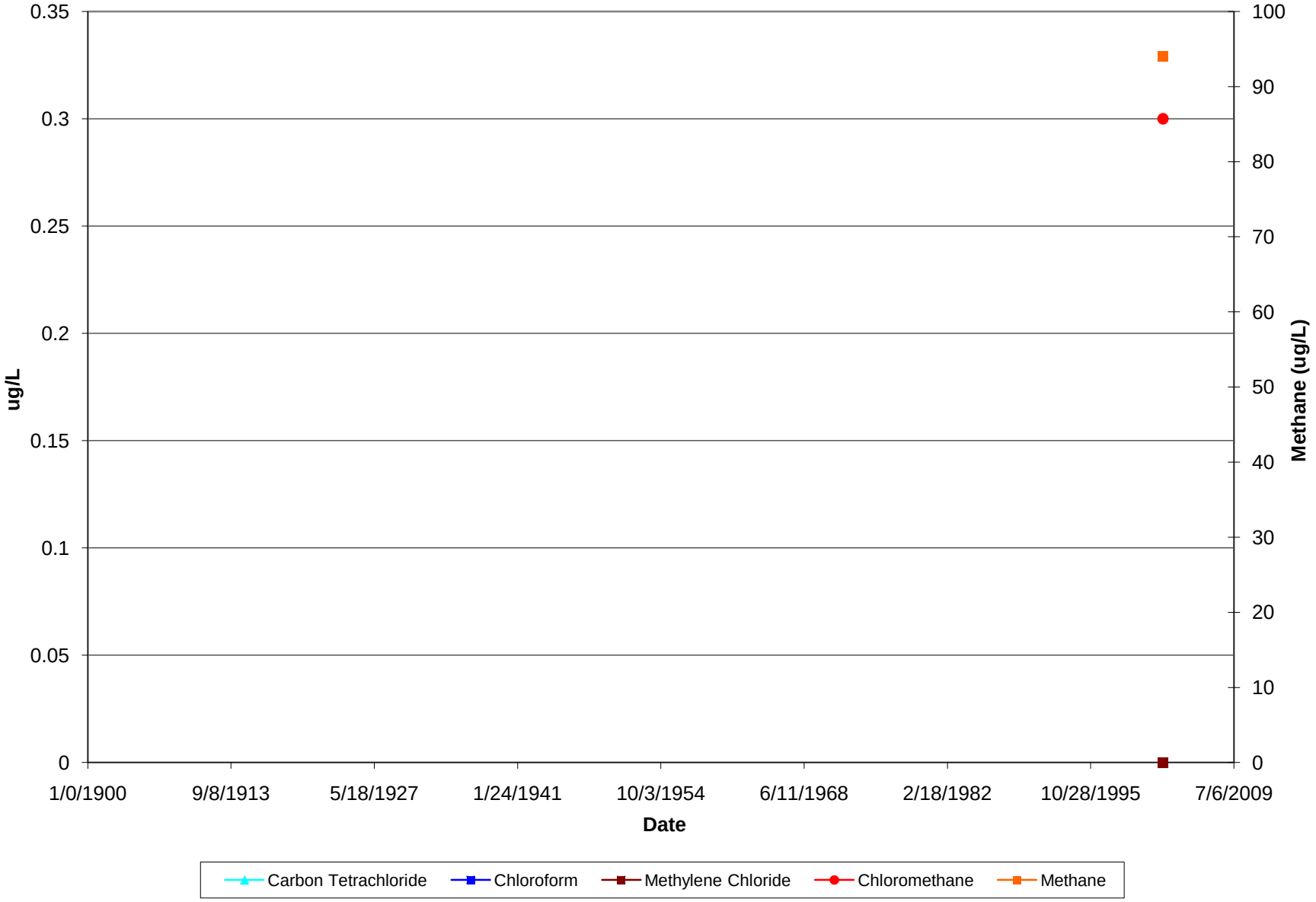


Data Record for MW-15R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

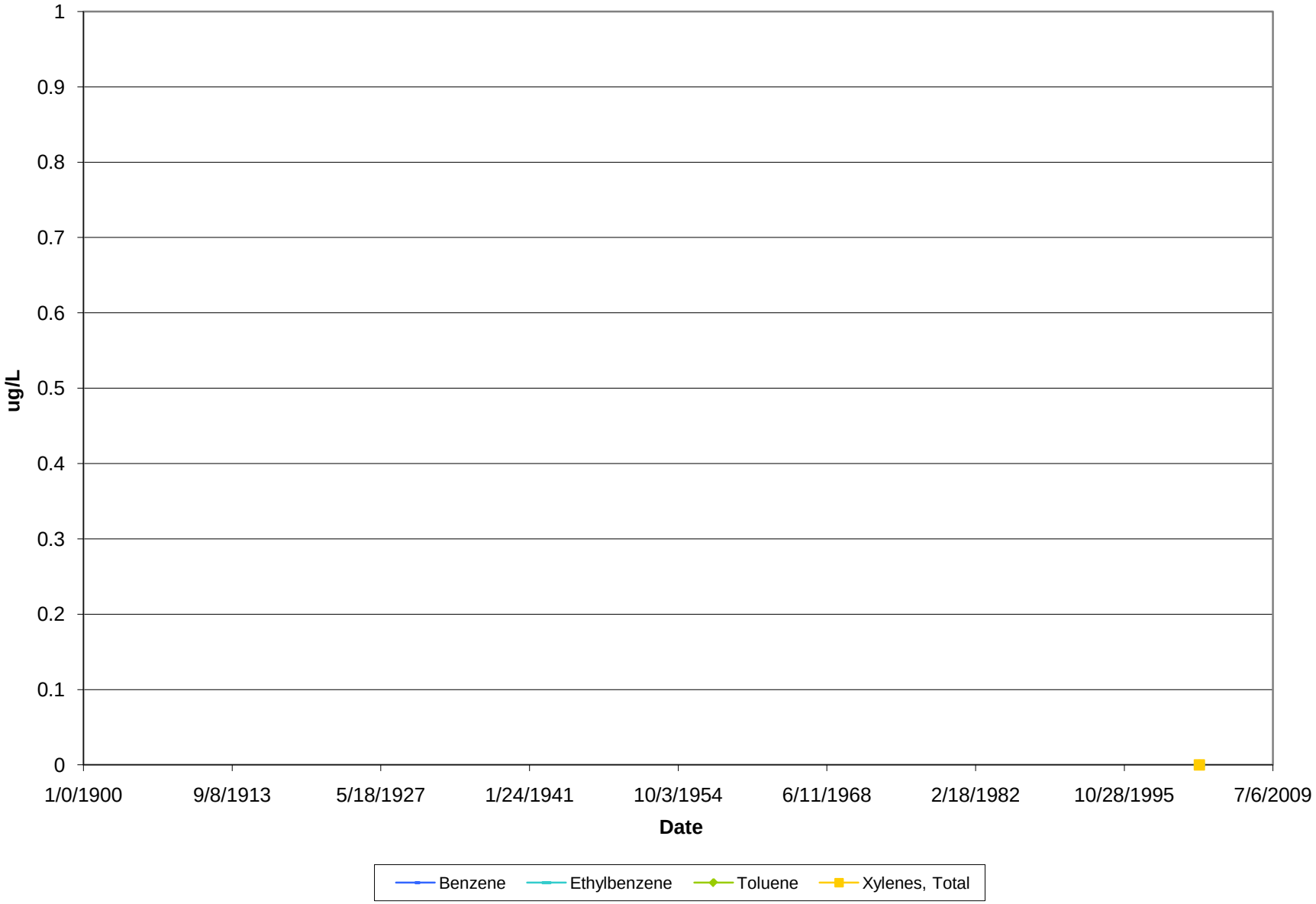
Data Record for MW-15R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



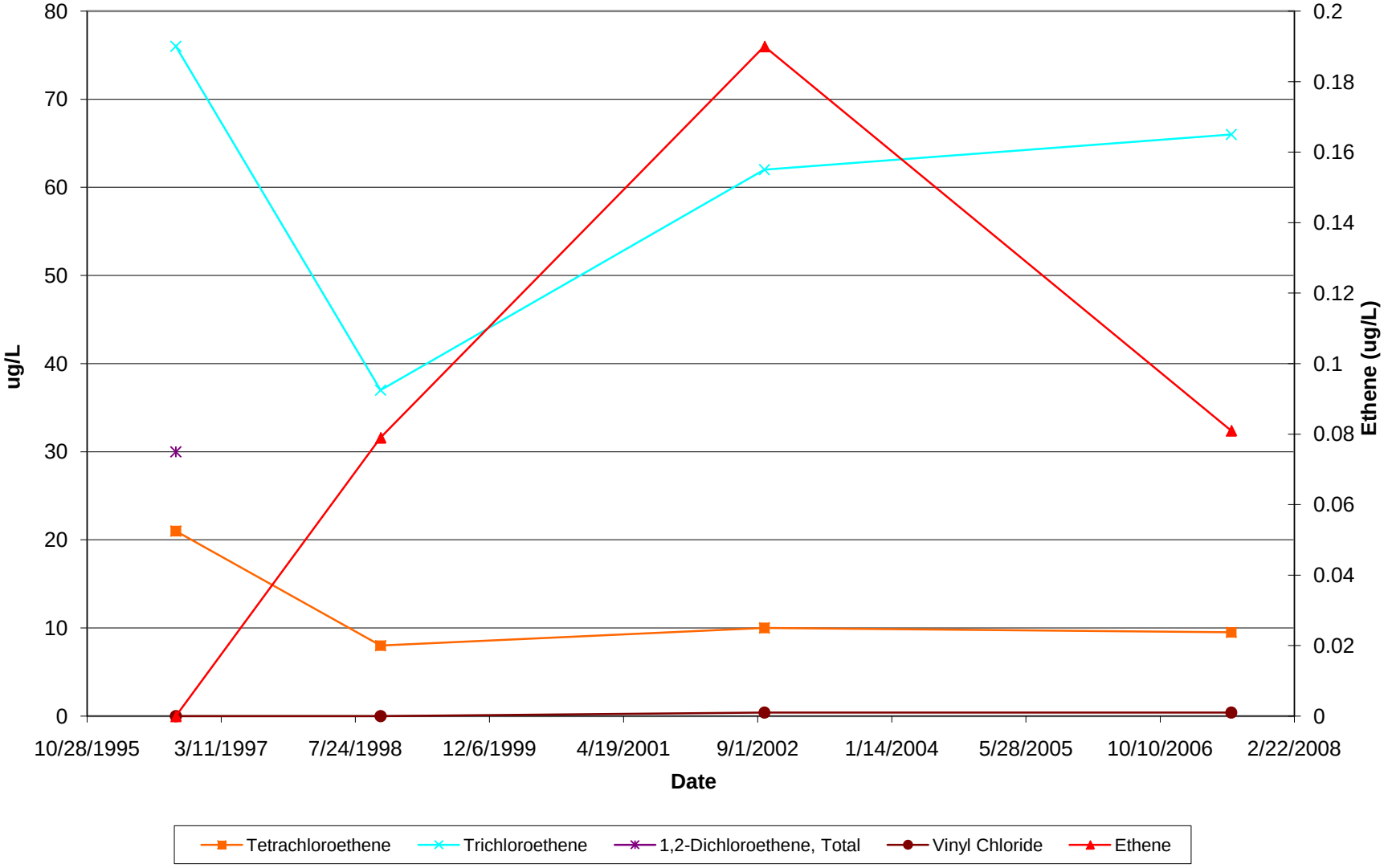
Data Record for MW-15R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



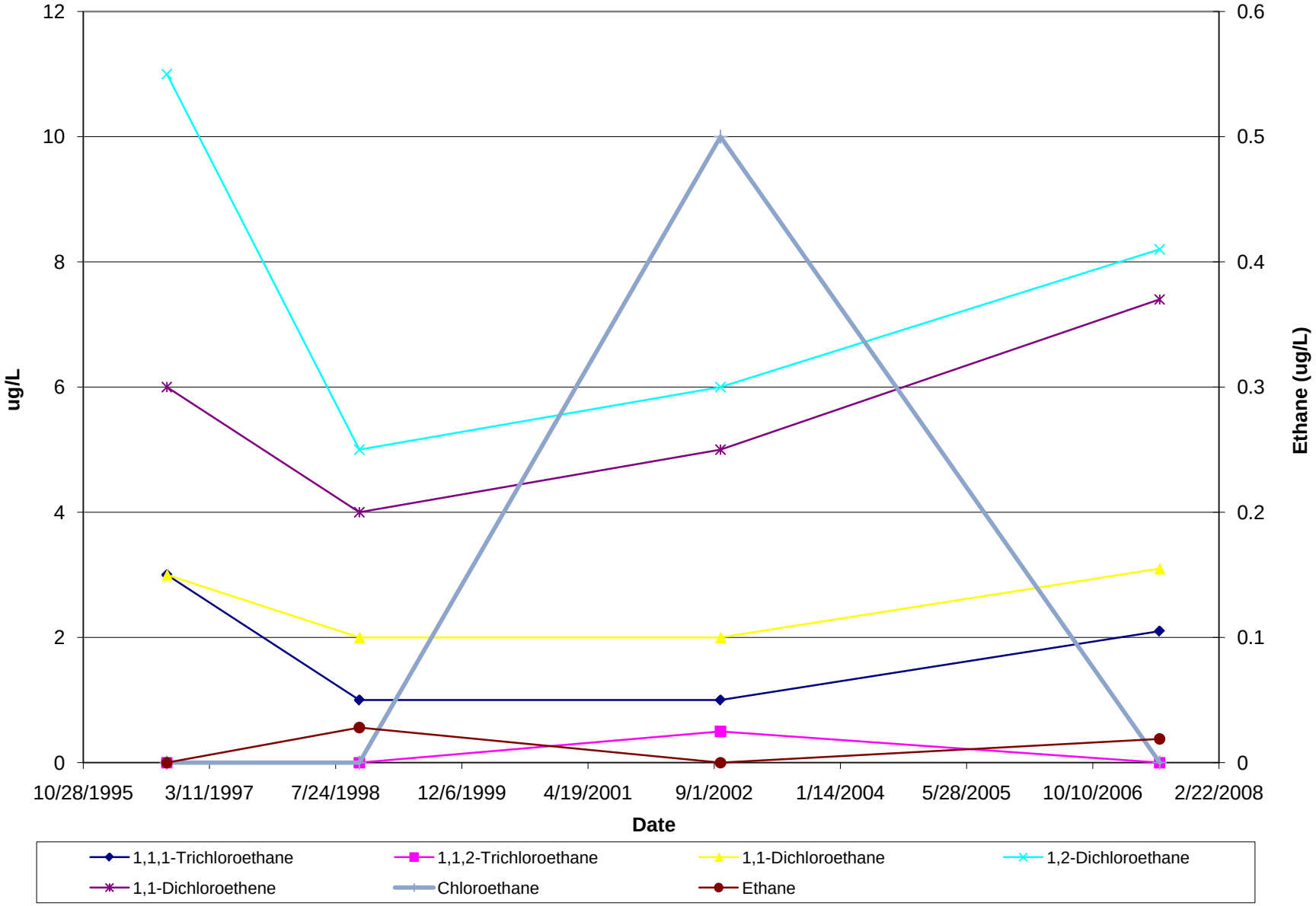
Data Record for MW-15R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



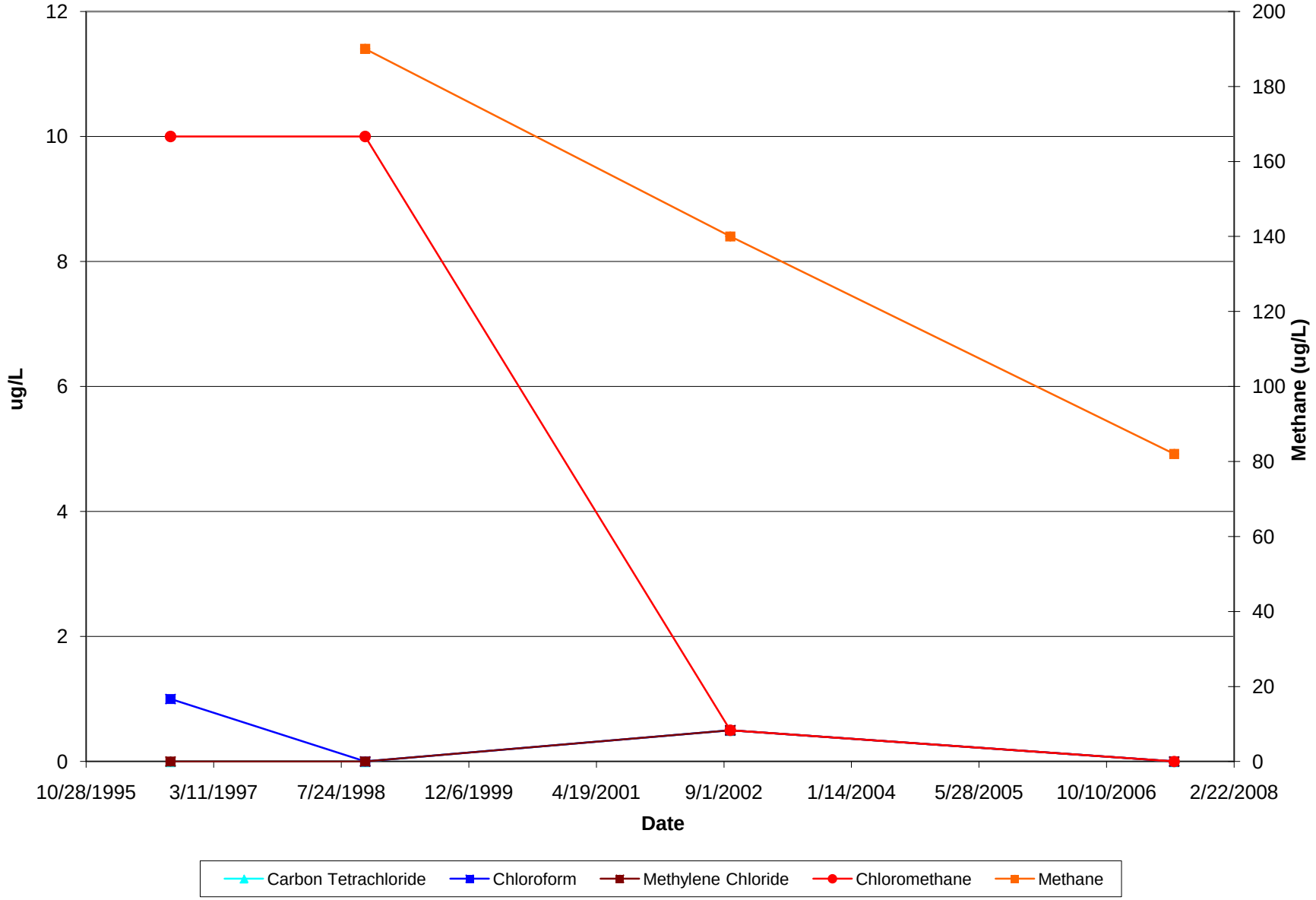
Data Record for MW-16D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



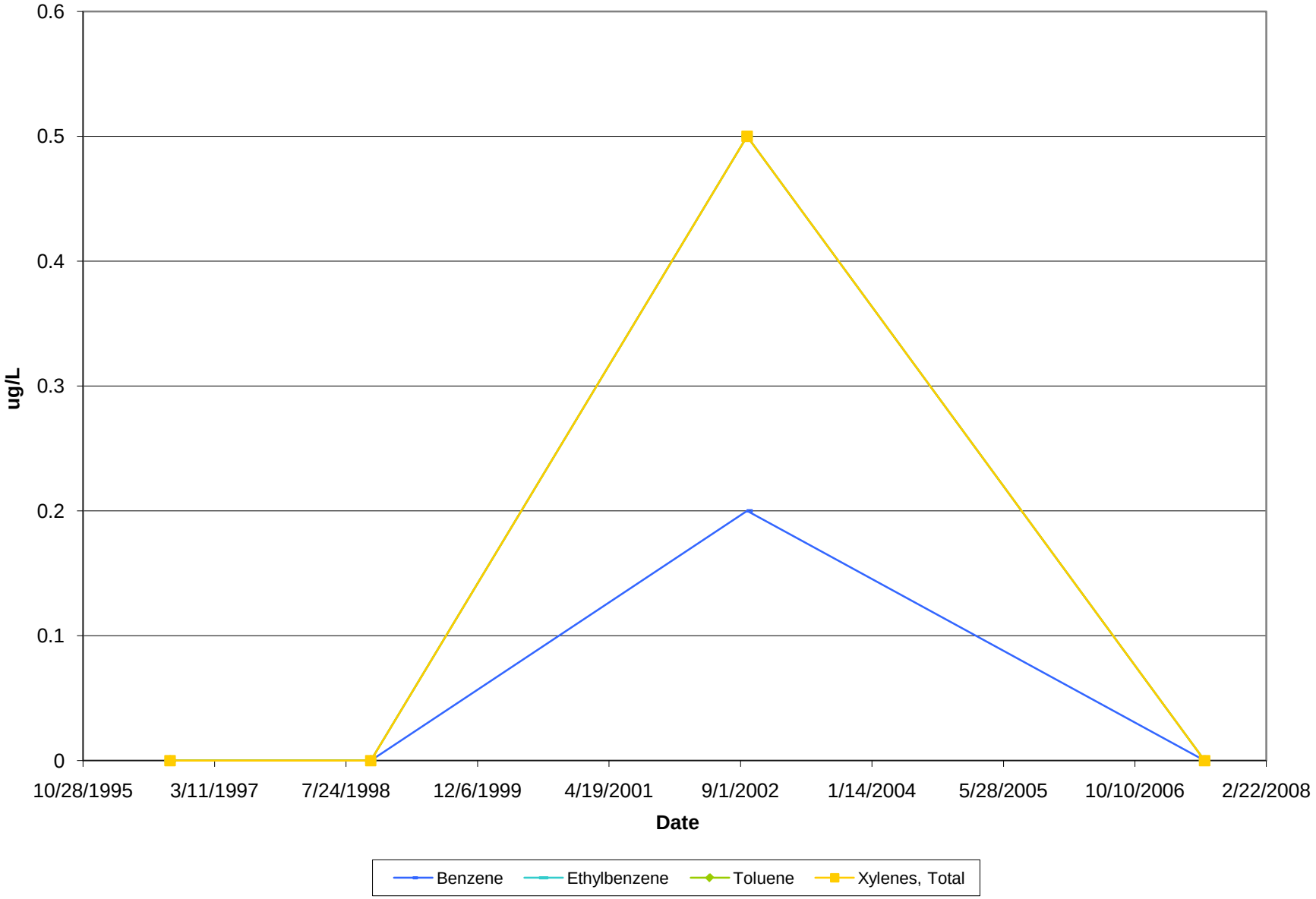
Data Record for MW-16D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



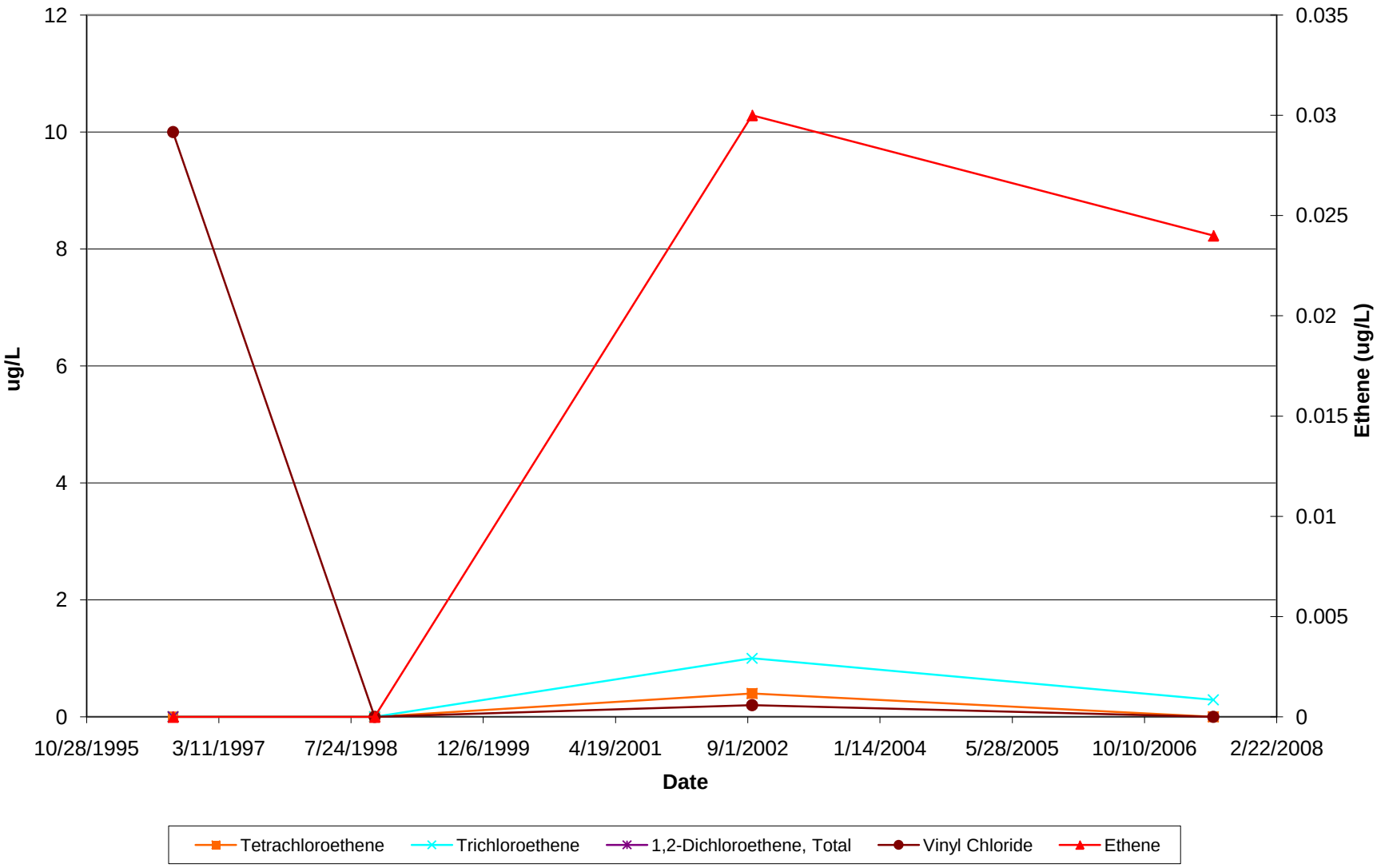
Data Record for MW-16D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for MW-16D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey

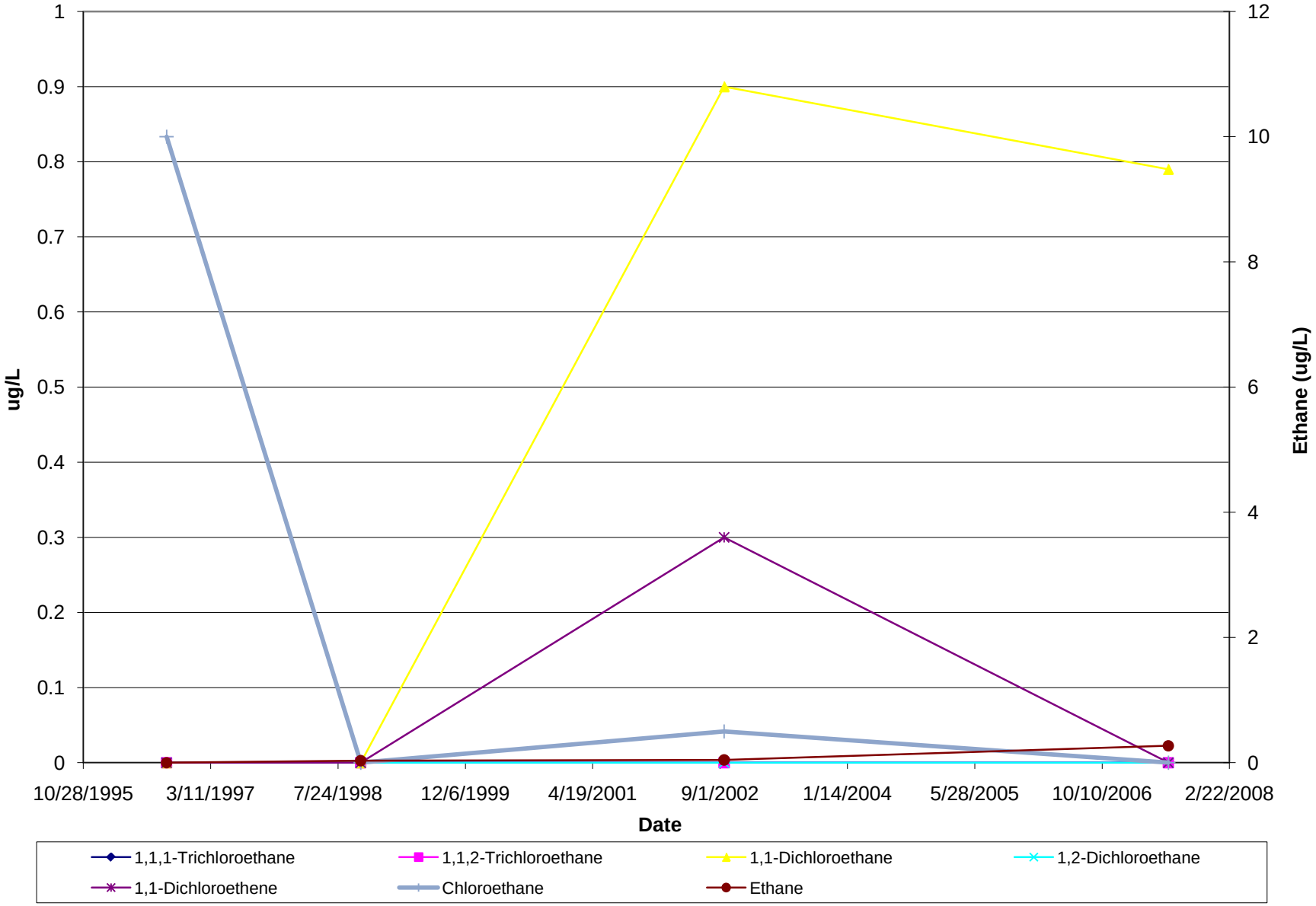


Data Record for MW-17D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

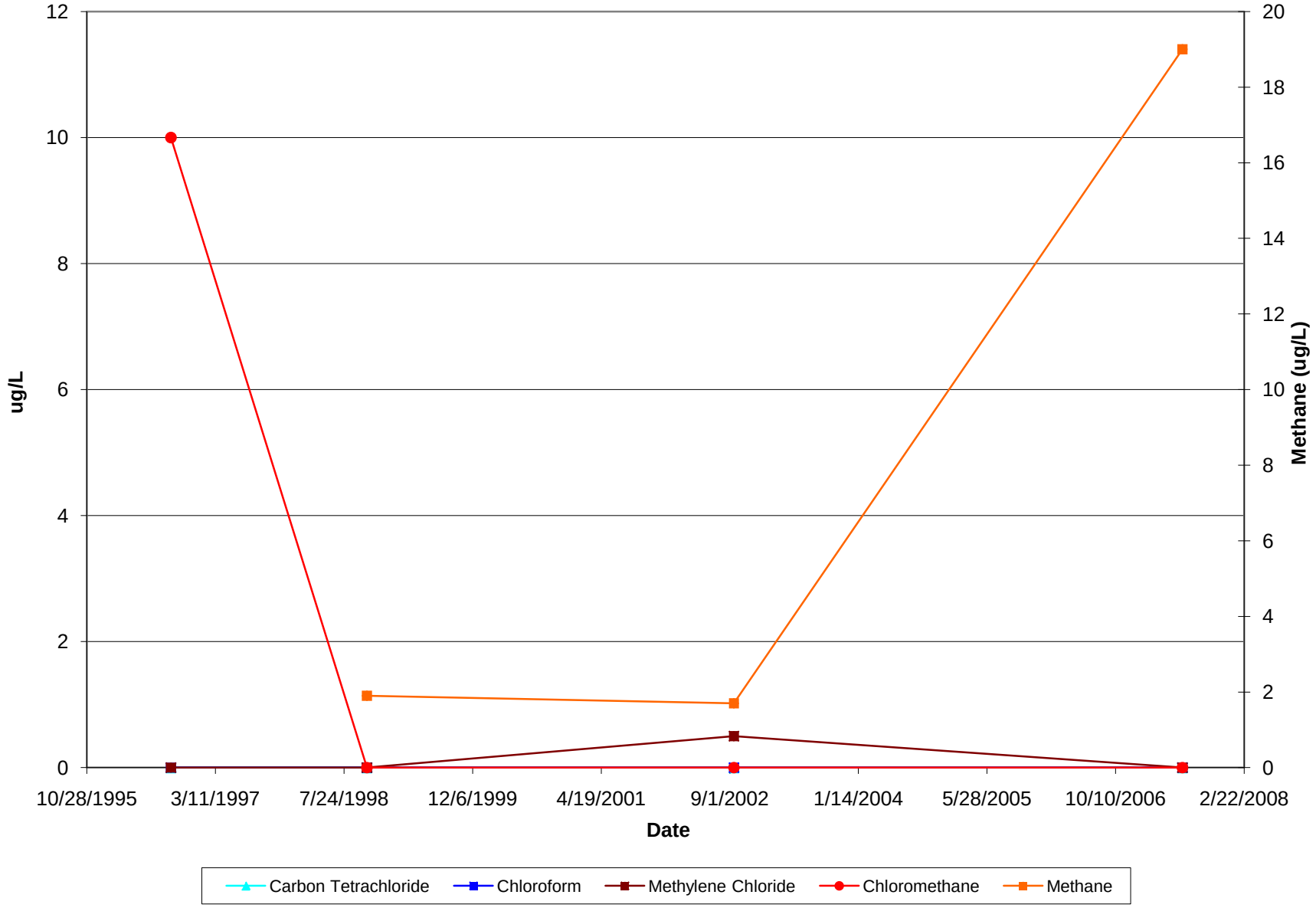


Golder Associates

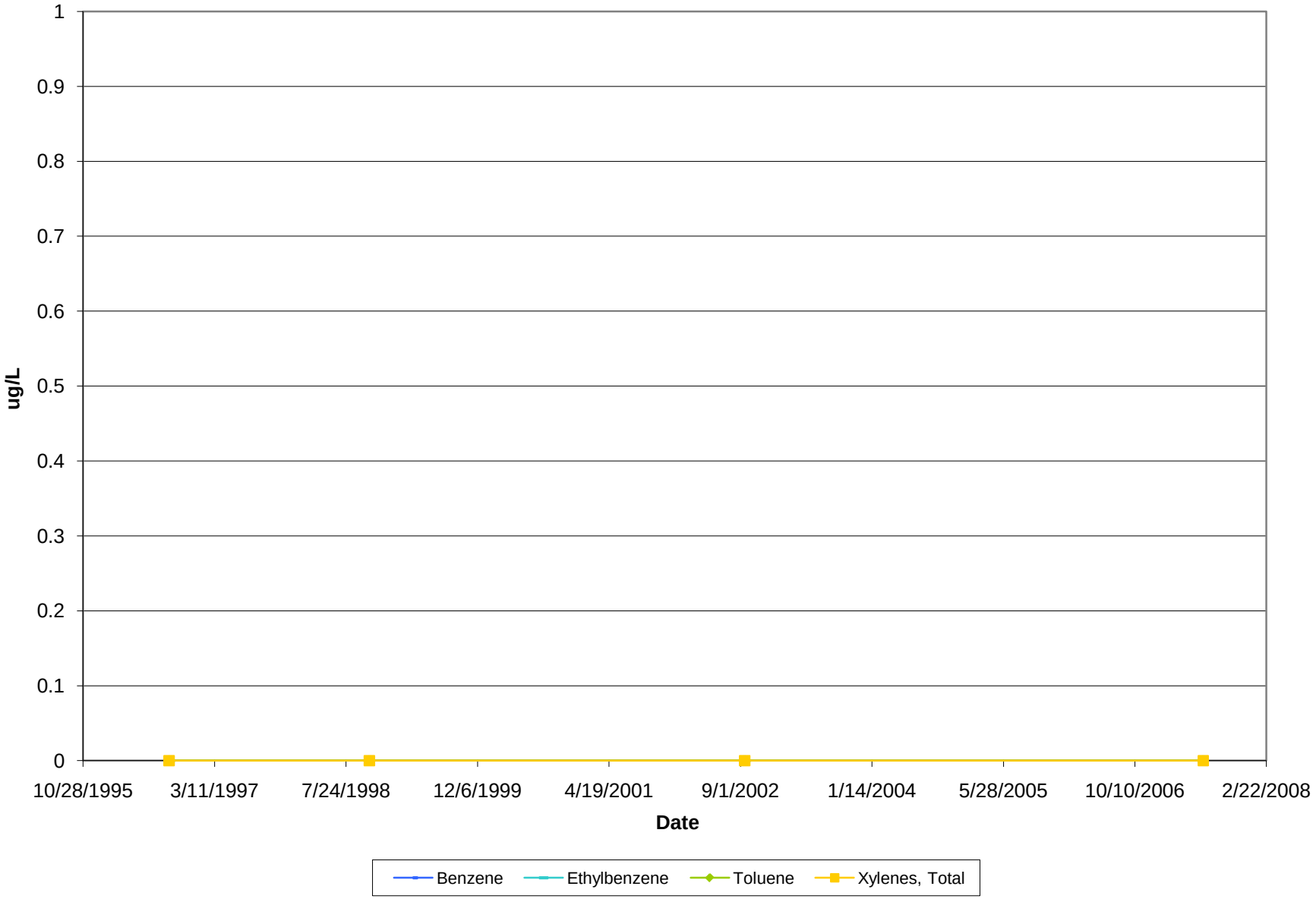
Data Record for MW-17D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



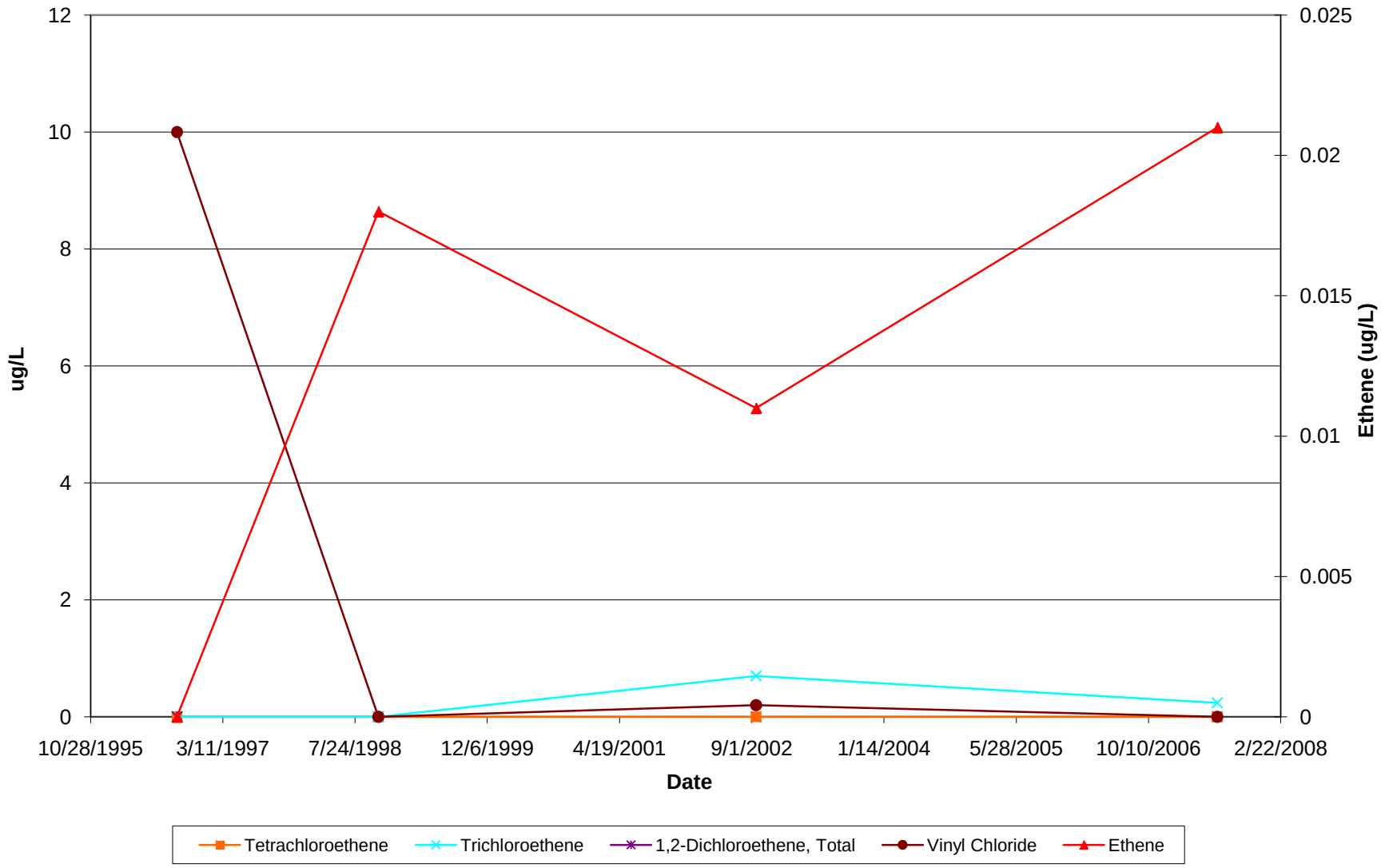
Data Record for MW-17D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



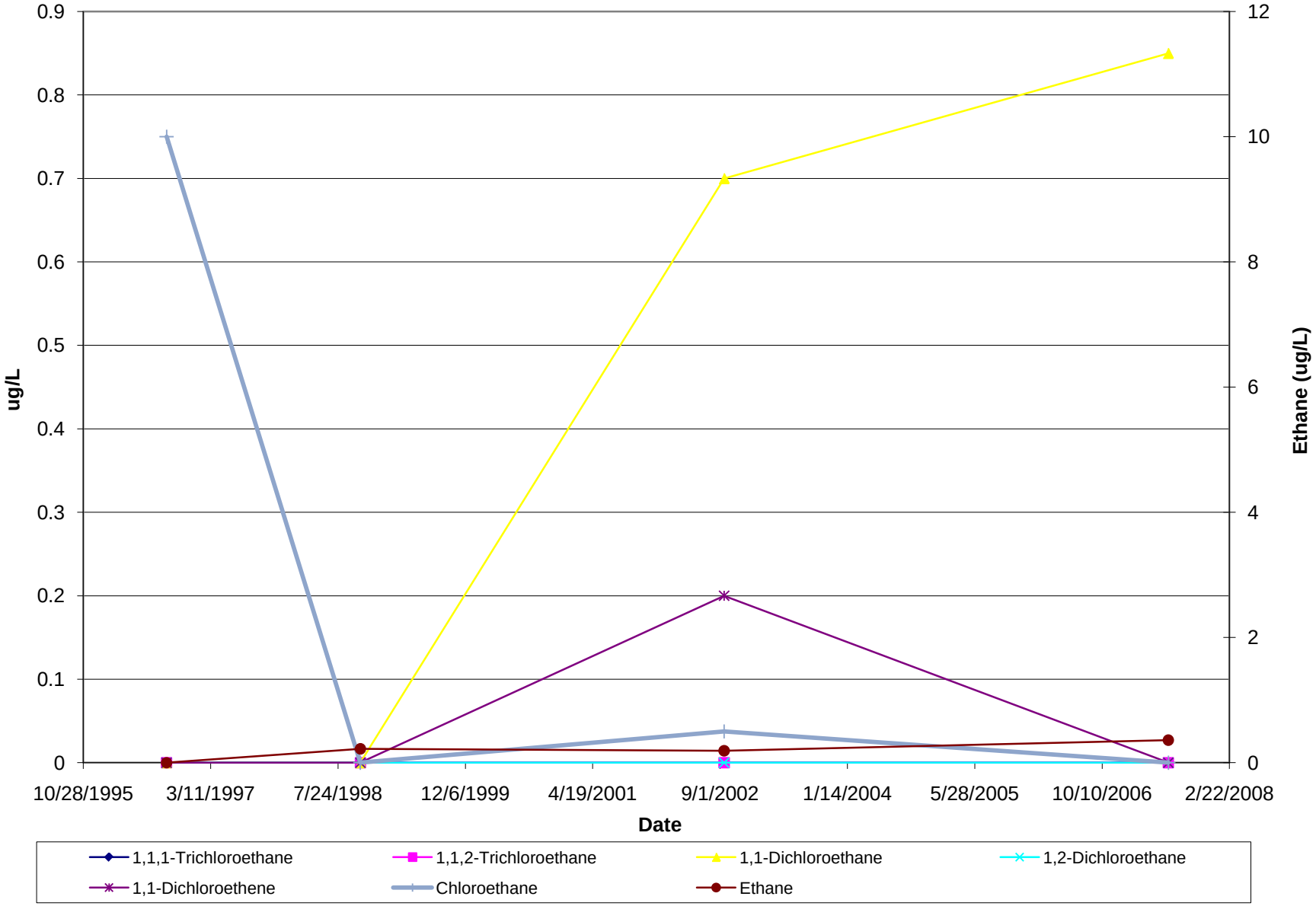
Data Record for MW-17D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



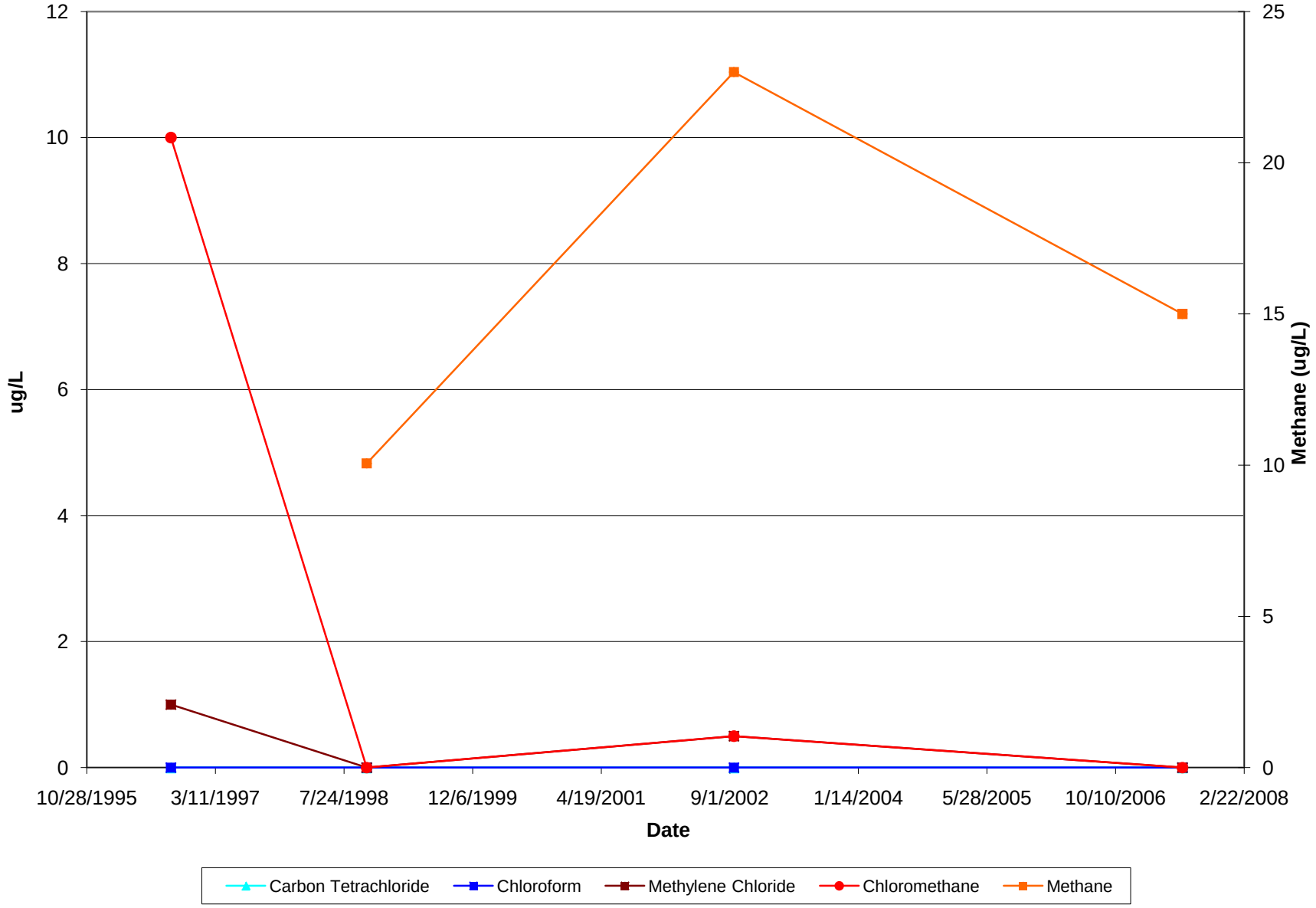
Data Record for MW-18D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



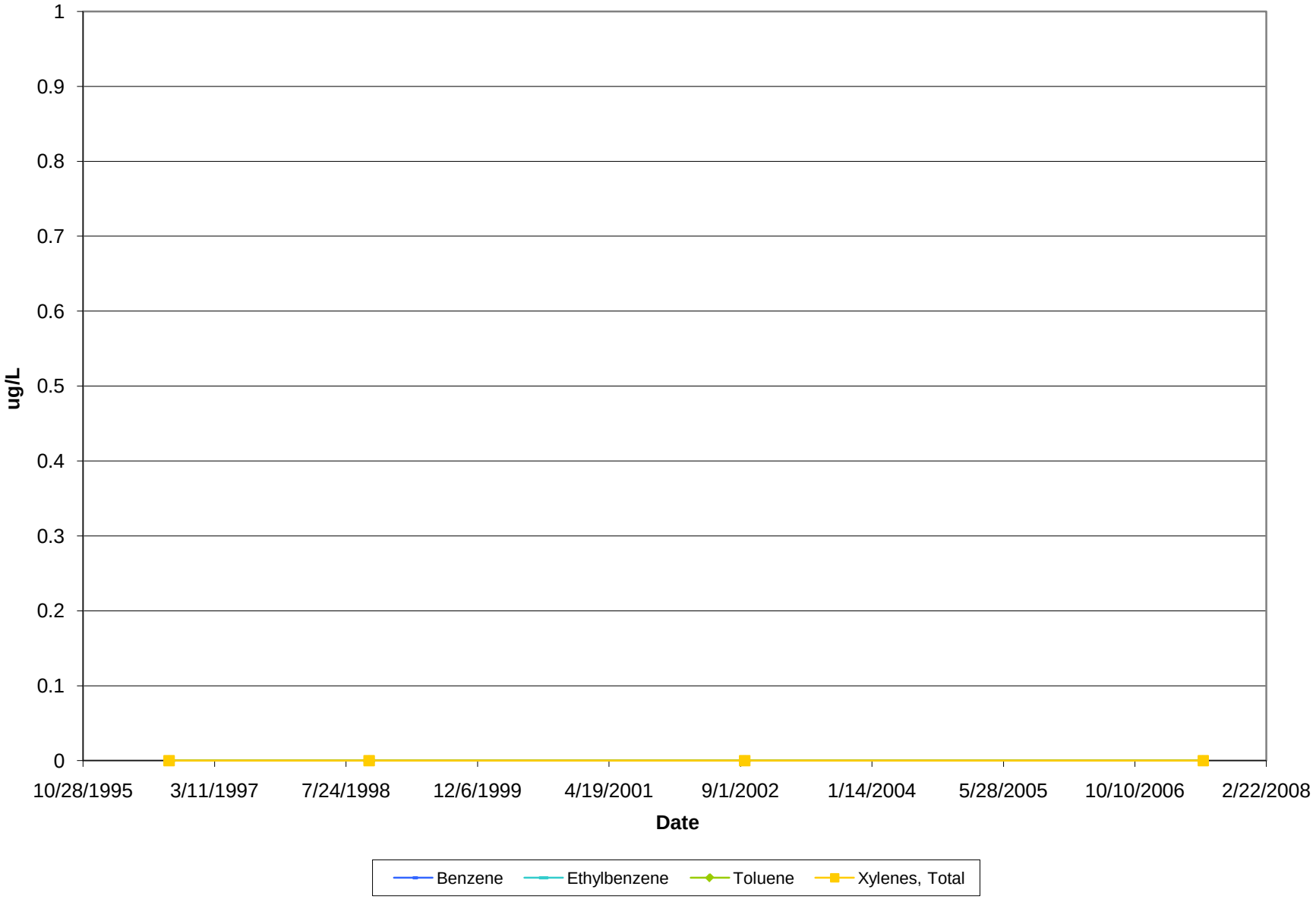
Data Record for MW-18D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



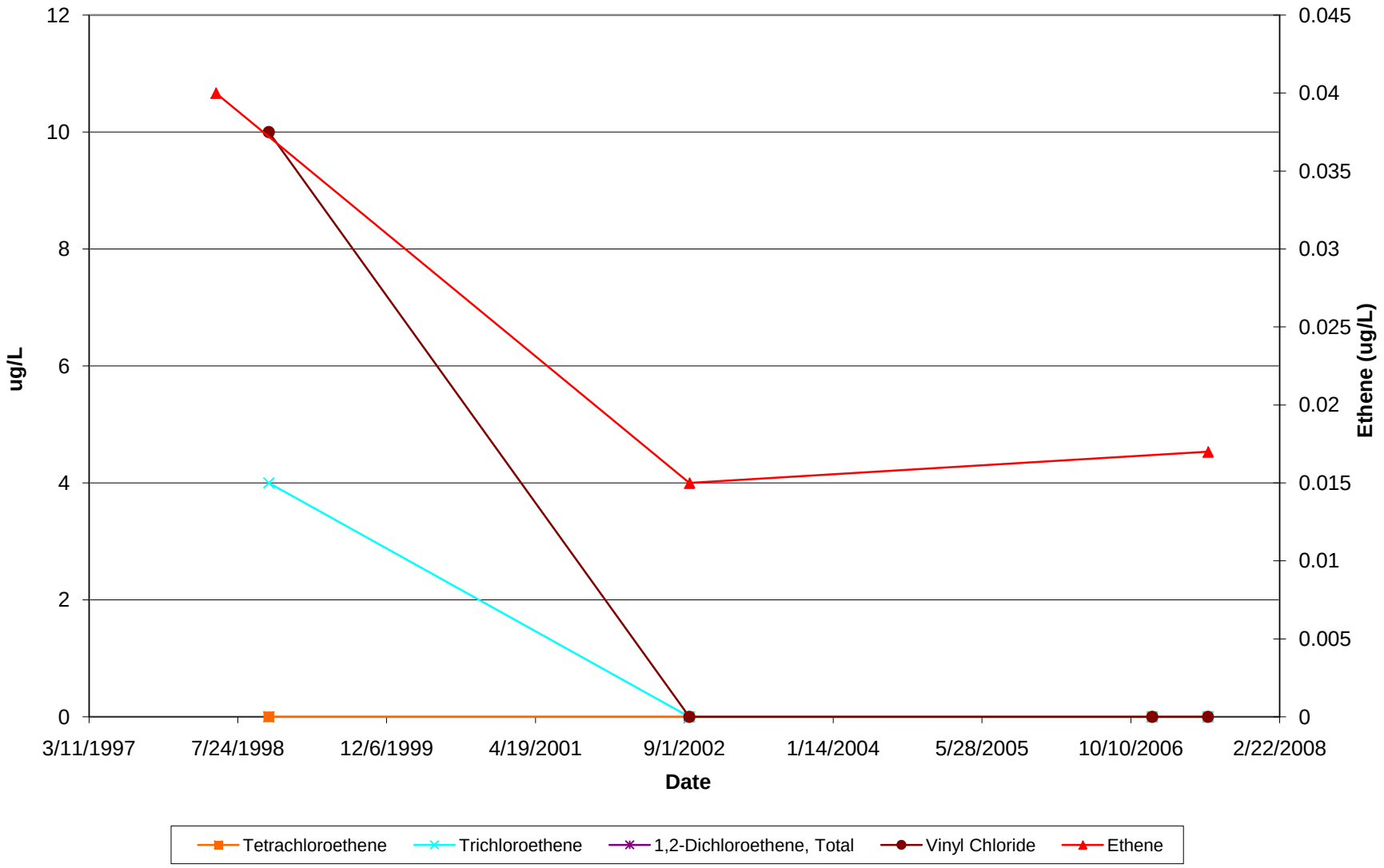
Data Record for MW-18D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



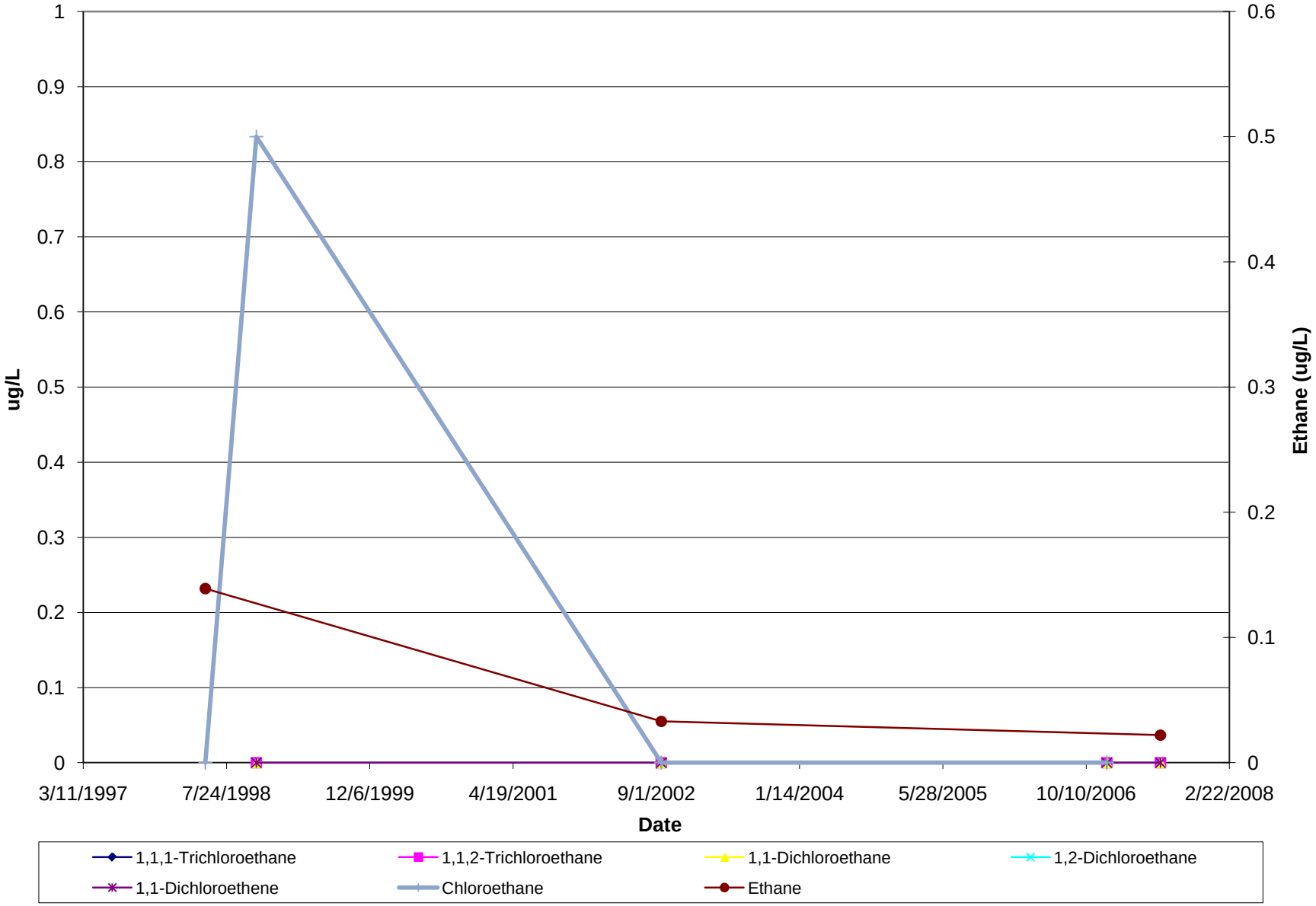
Data Record for MW-18D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



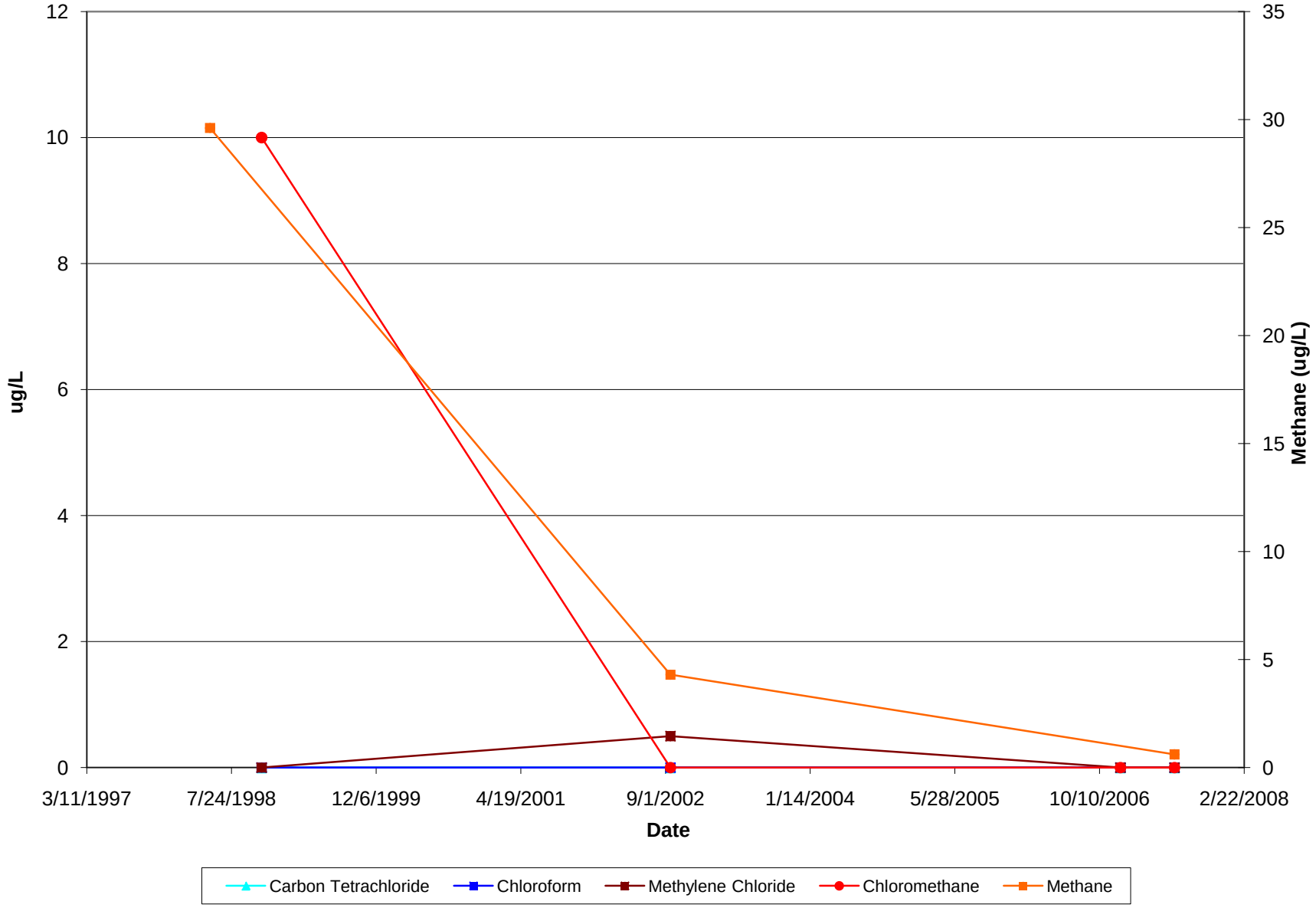
Data Record for MW-19D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



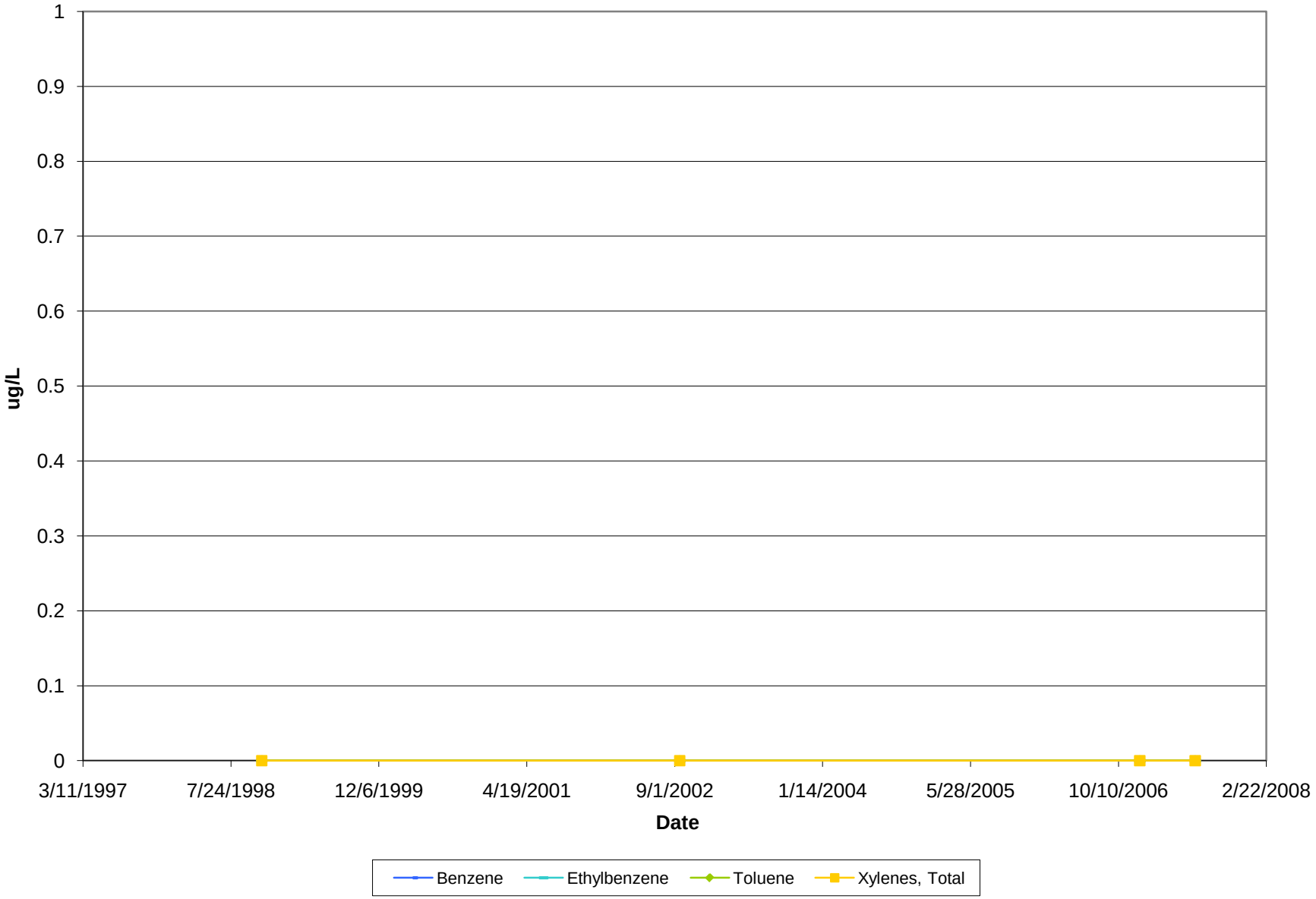
Data Record for MW-19D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



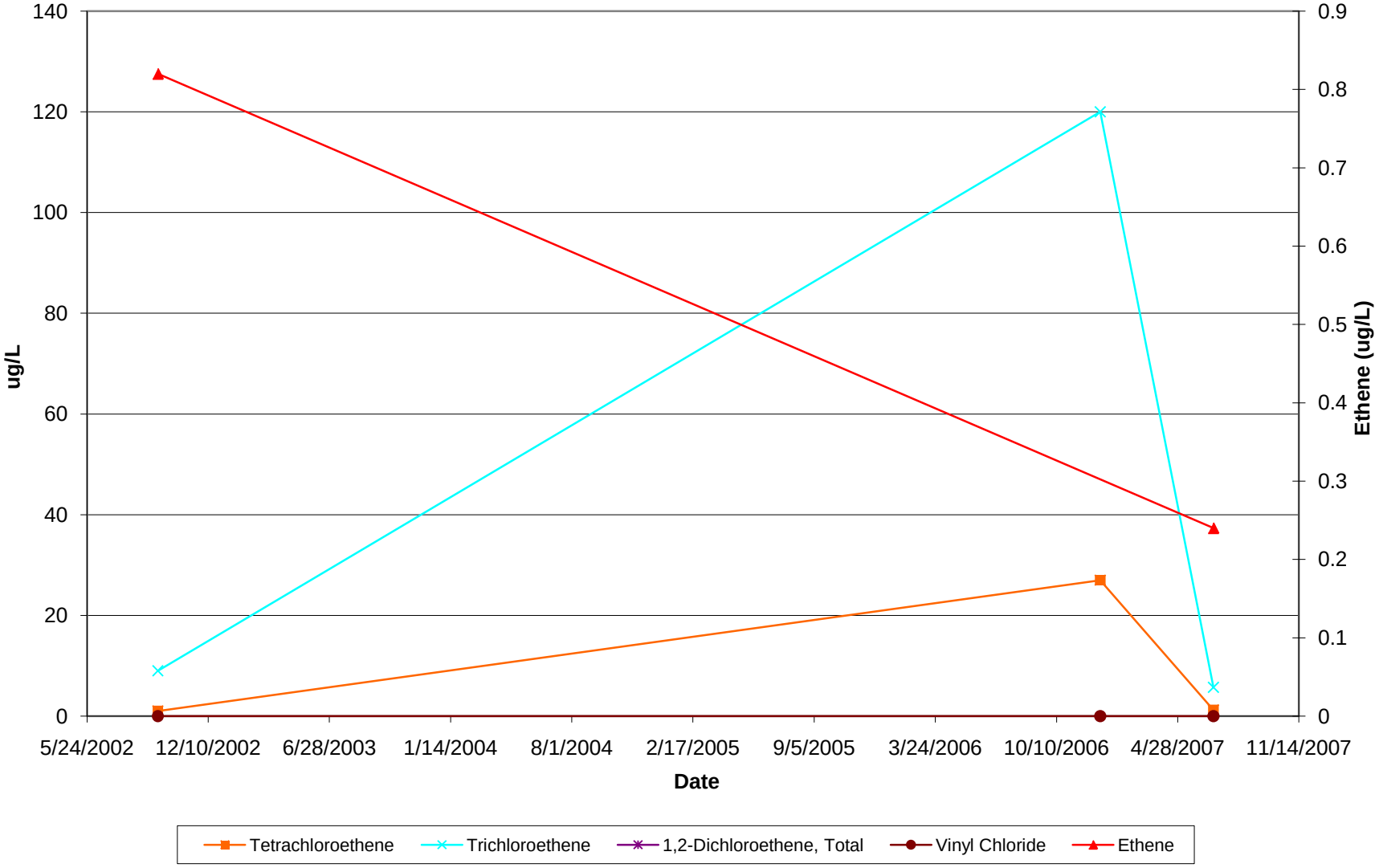
Data Record for MW-19D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



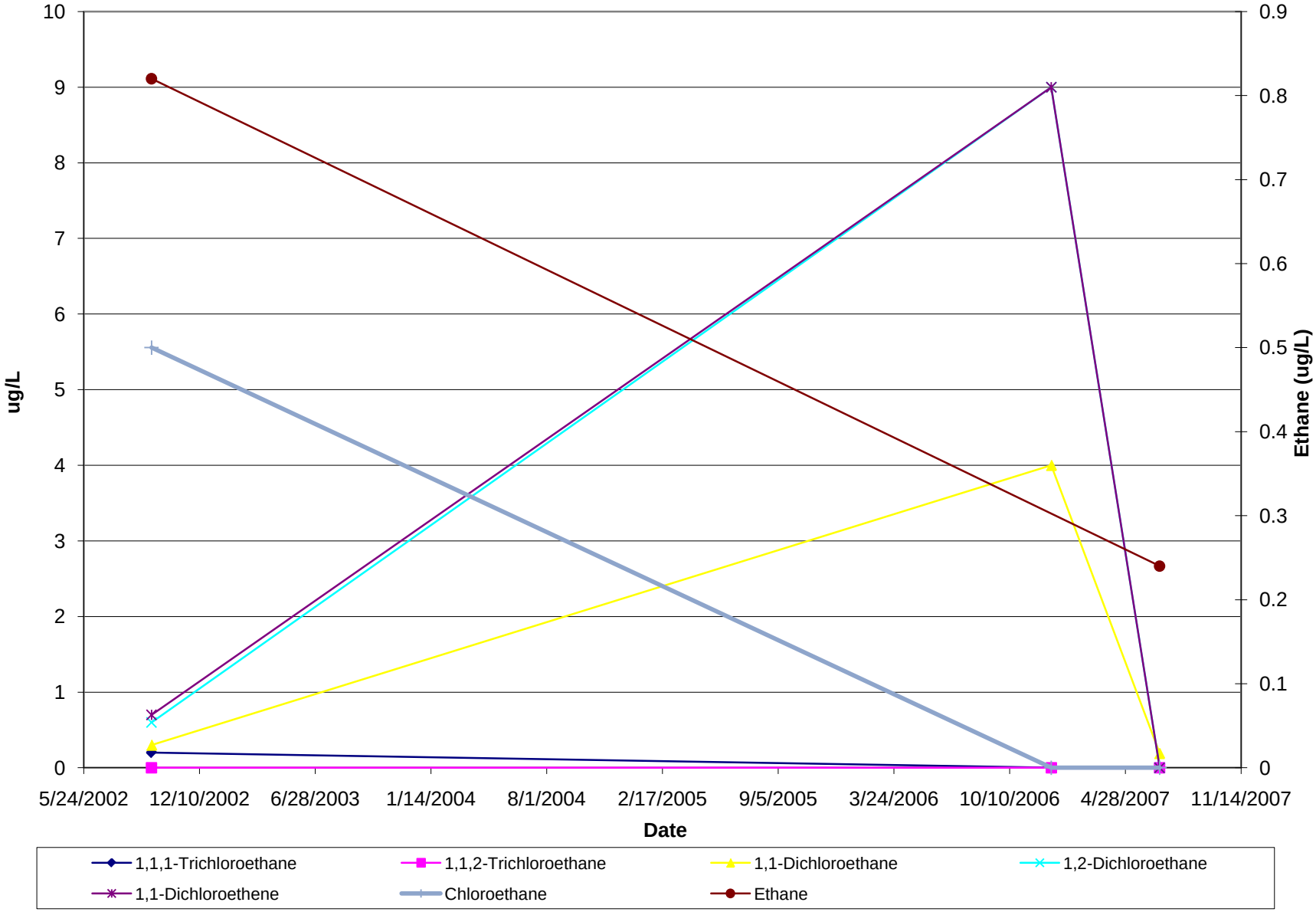
Data Record for MW-19D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



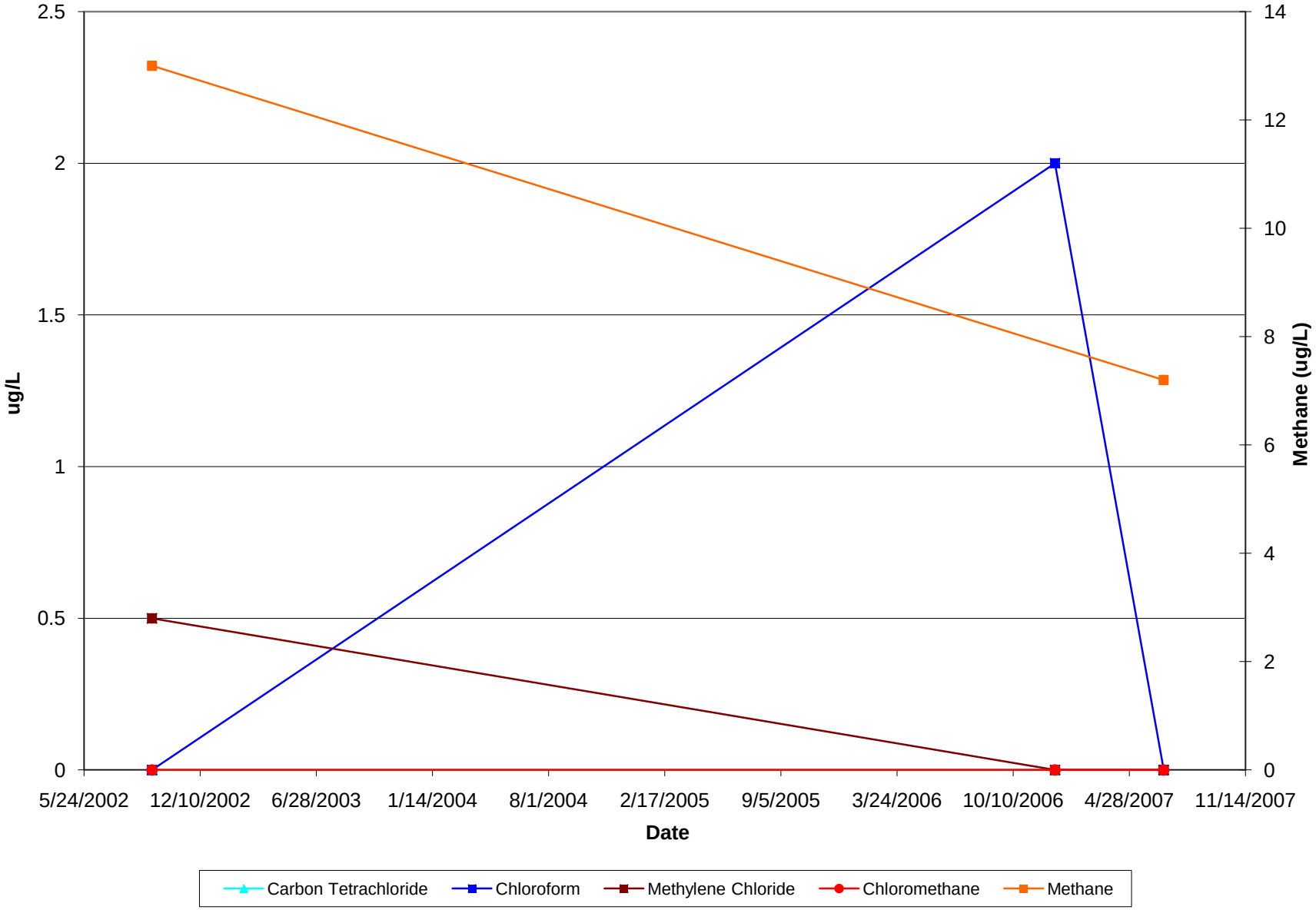
Data Record for MW-19R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



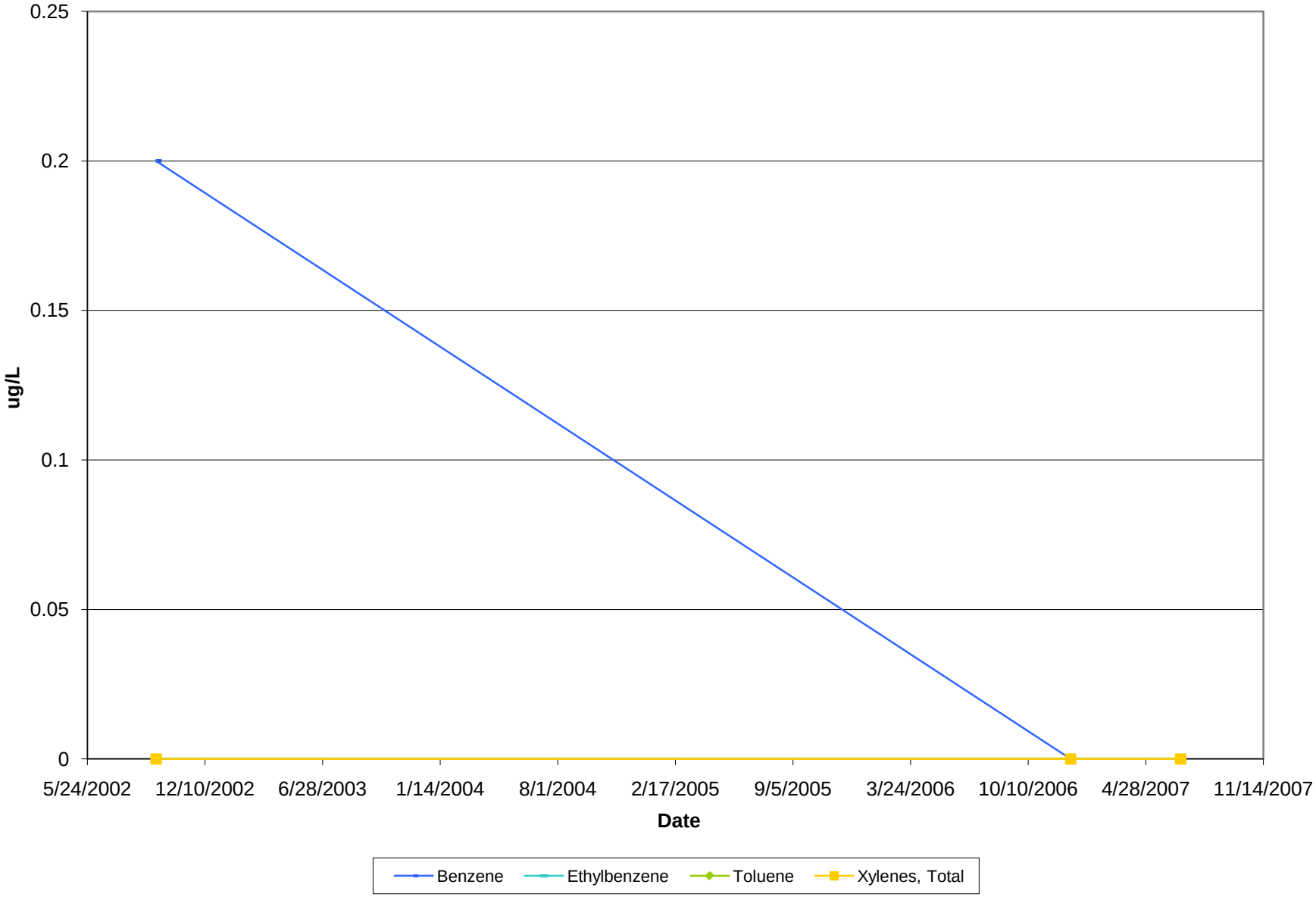
Data Record for MW-19R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



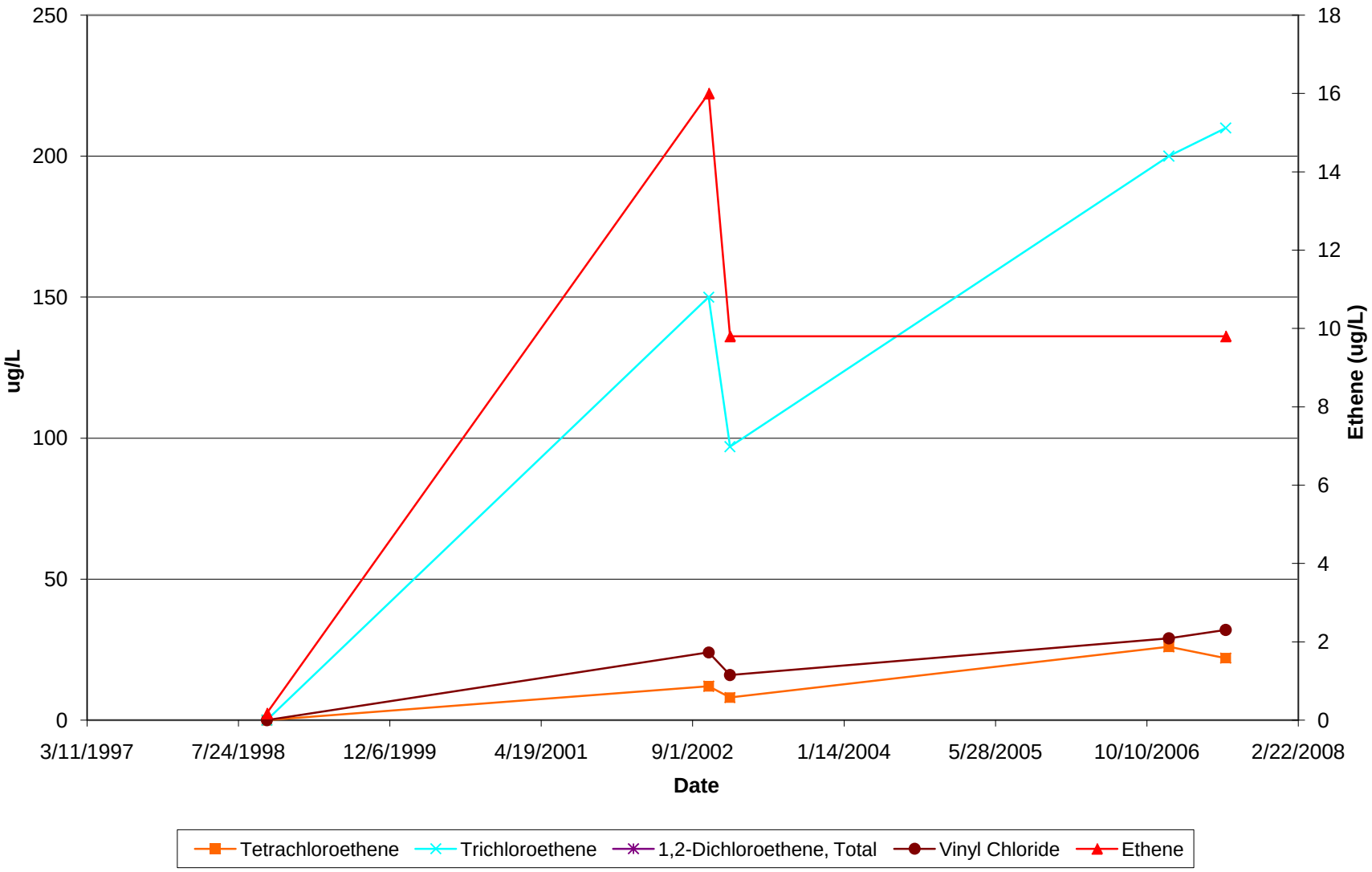
Data Record for MW-19R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



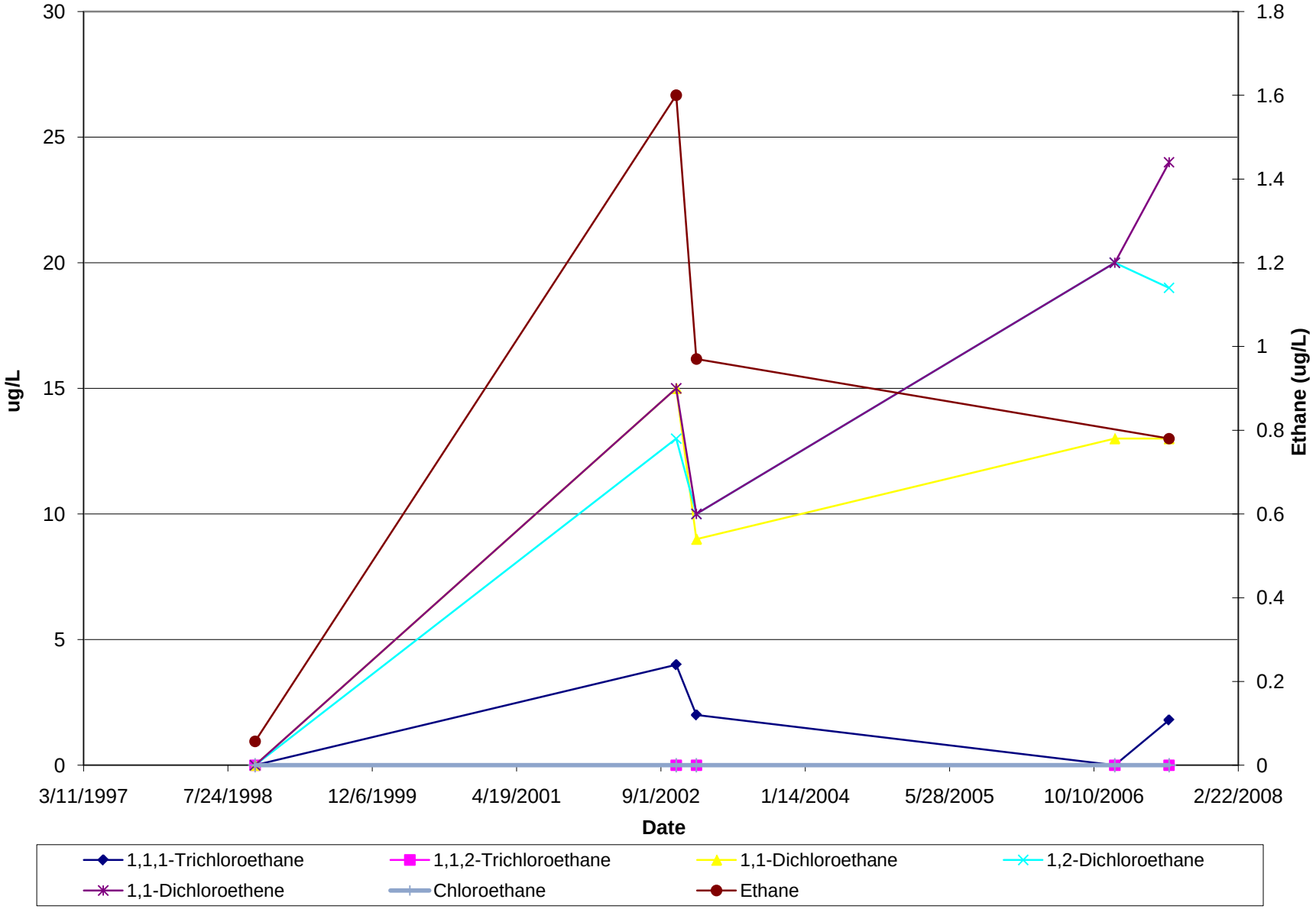
Data Record for MW-19R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



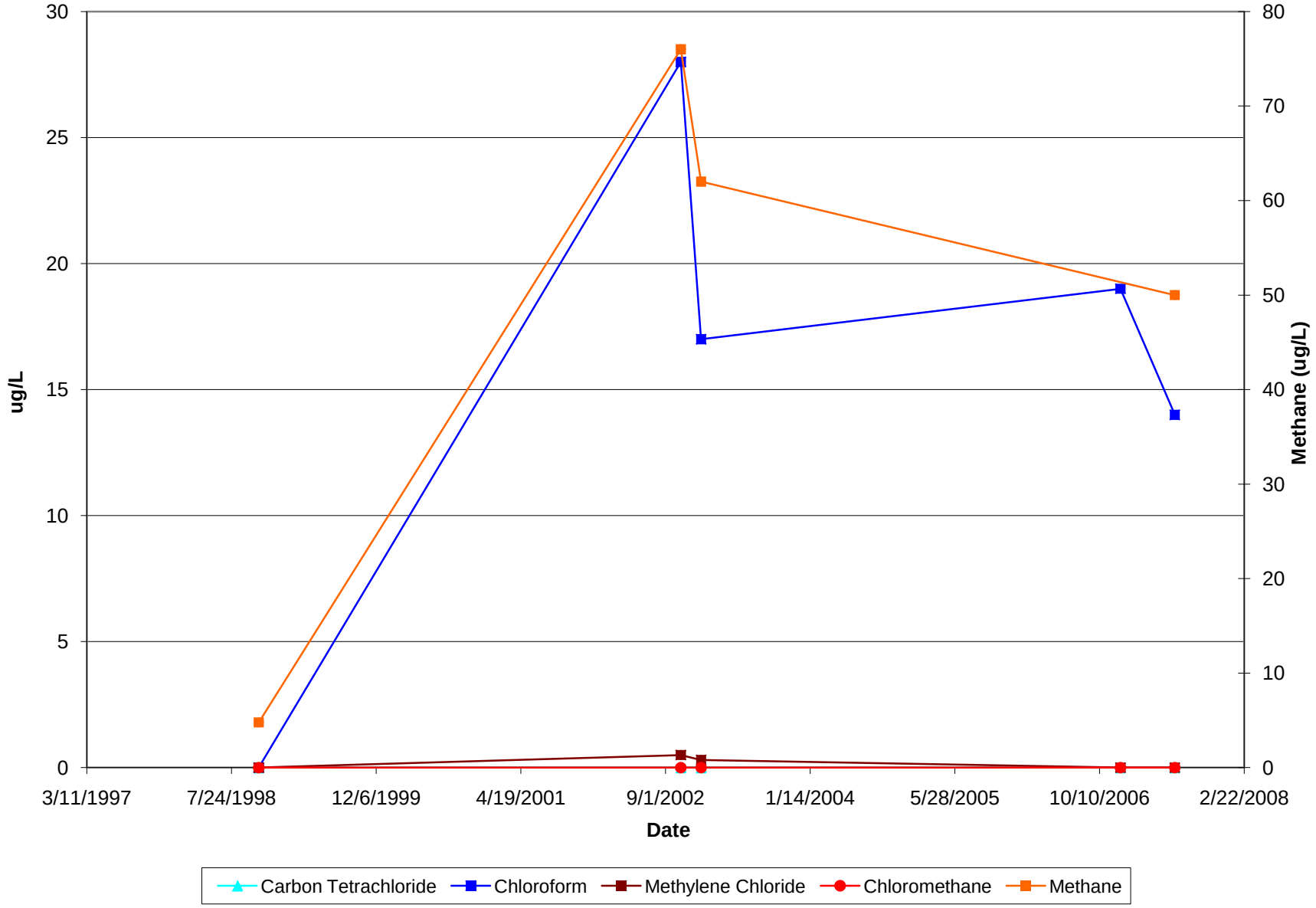
Data Record for MW-20D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



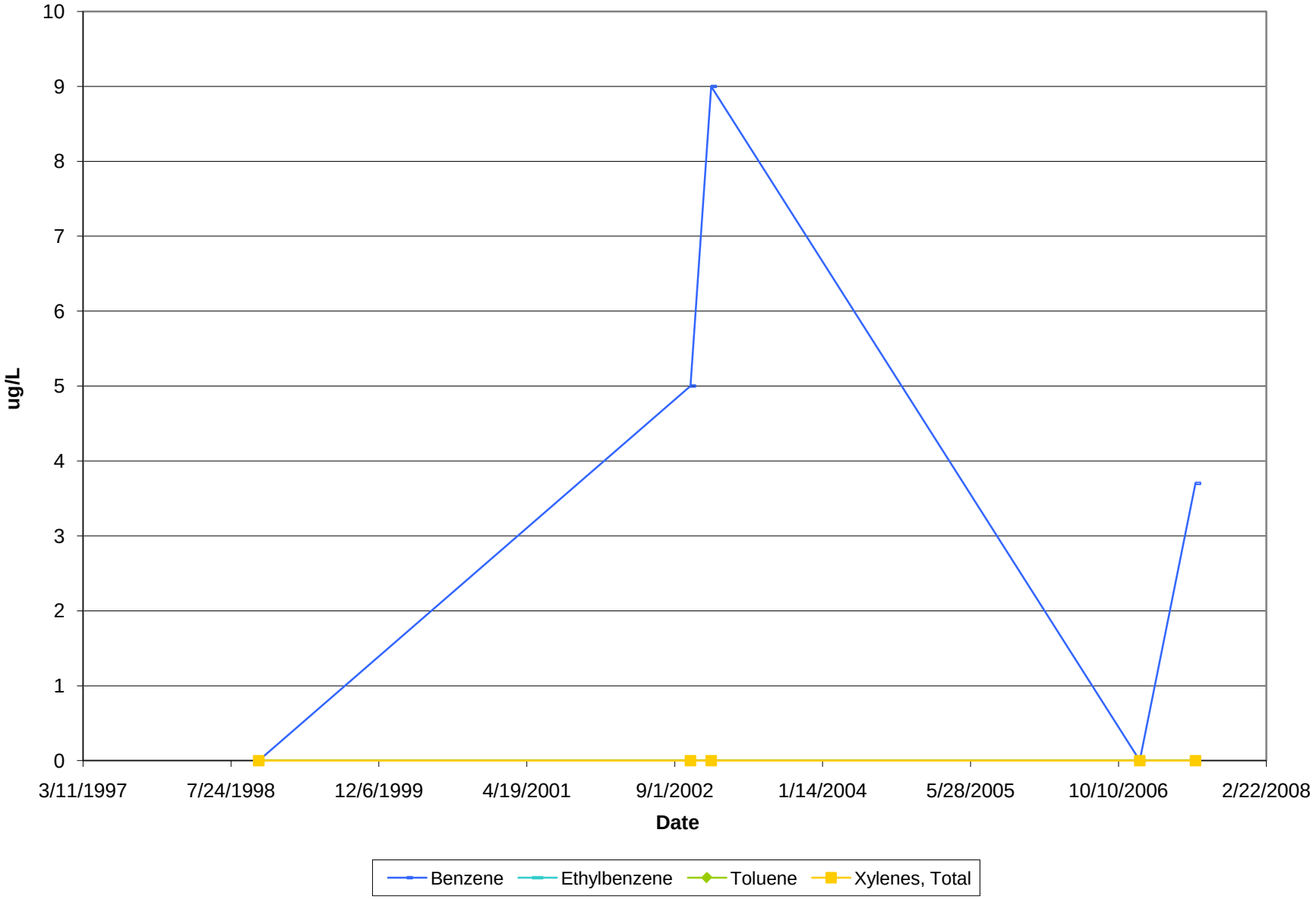
Data Record for MW-20D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



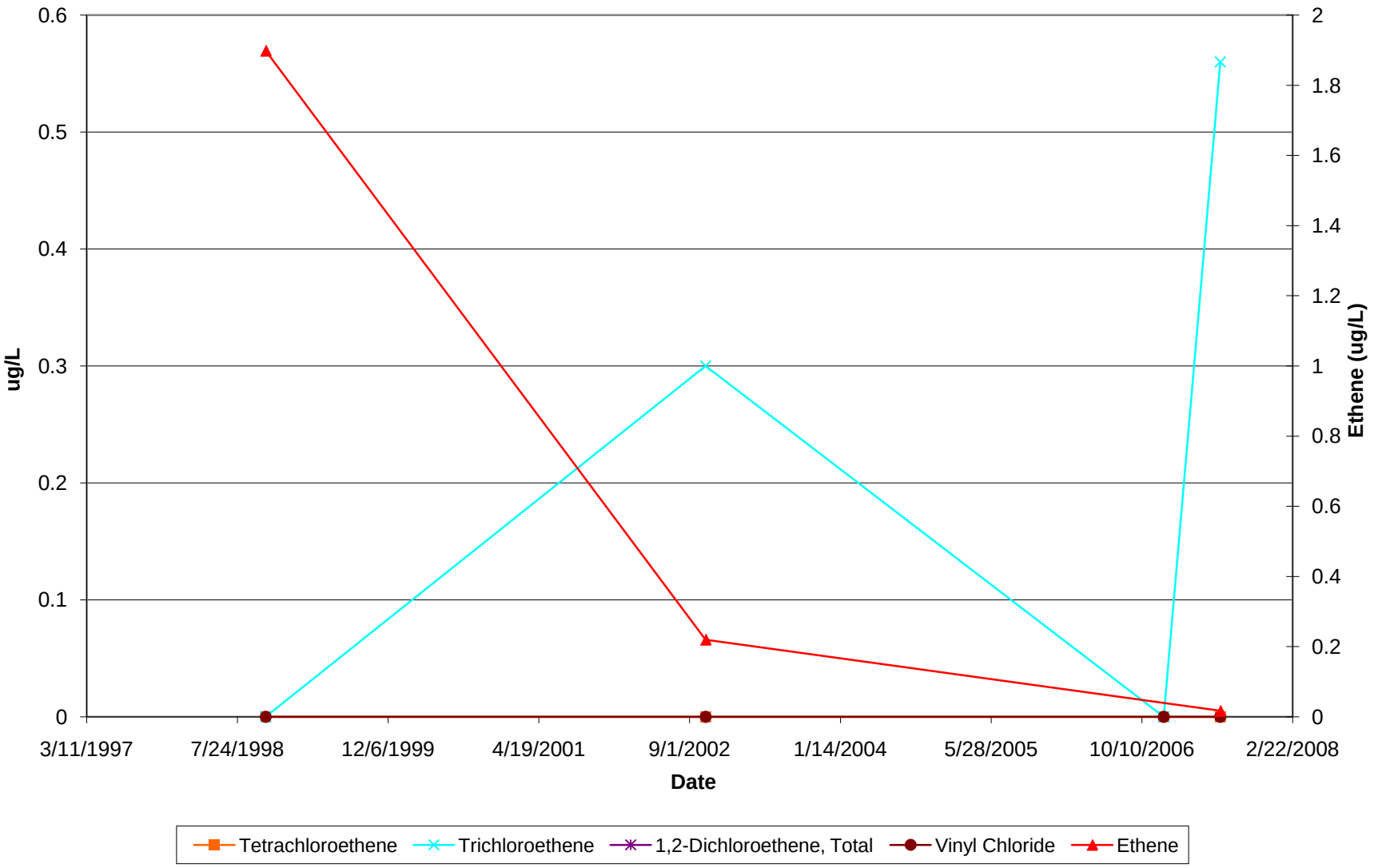
Data Record for MW-20D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



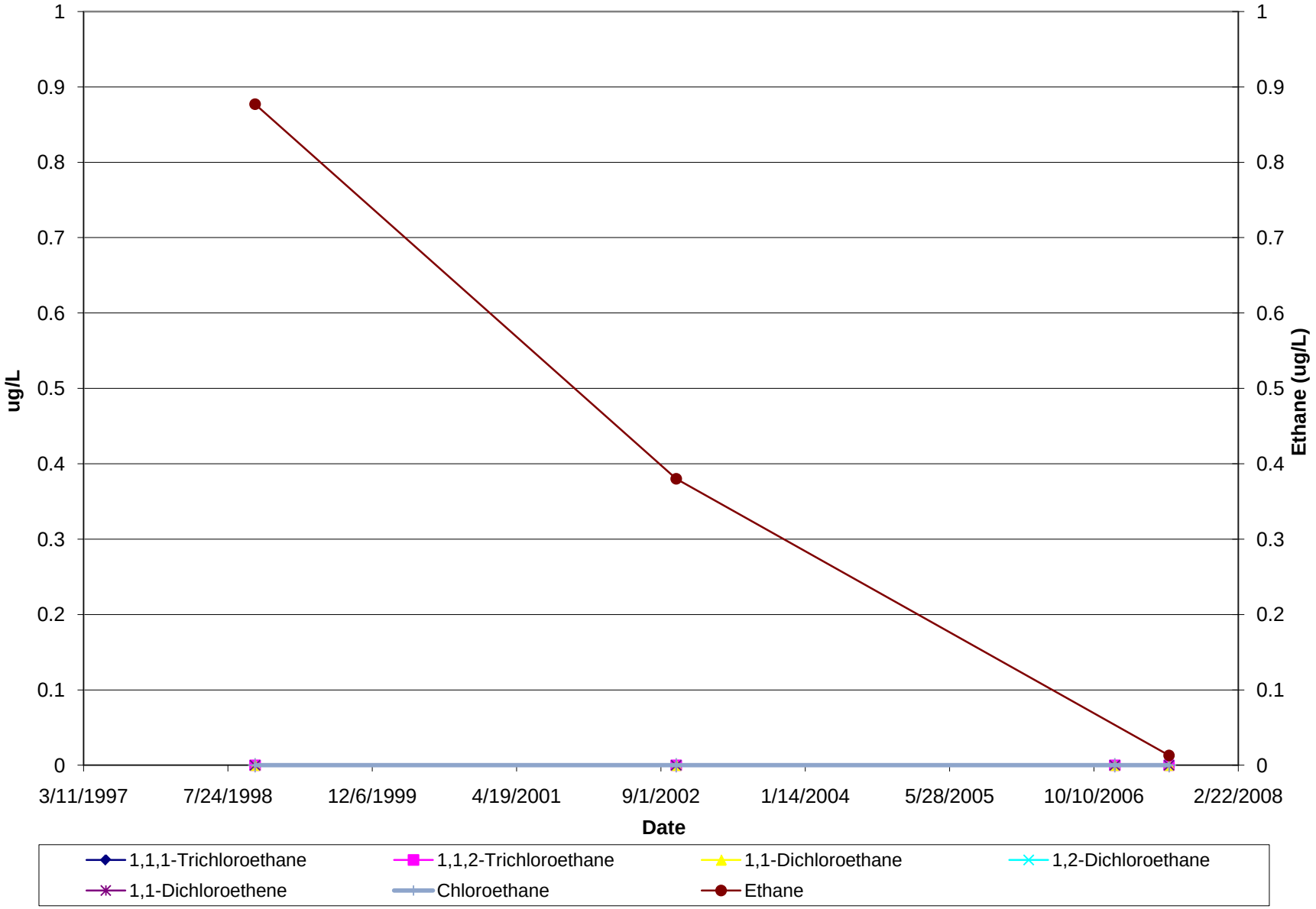
Data Record for MW-20D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



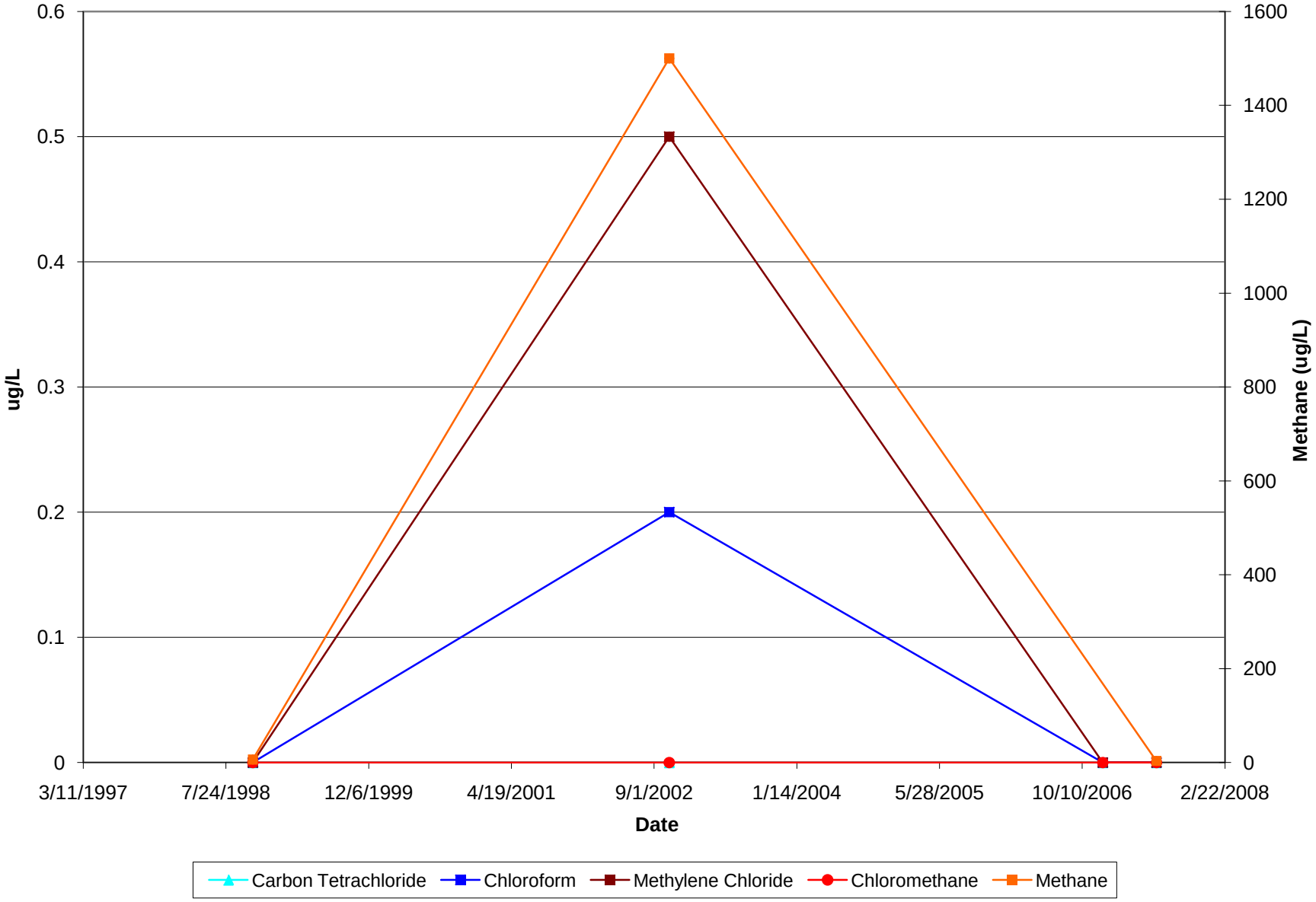
Data Record for MW-20R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



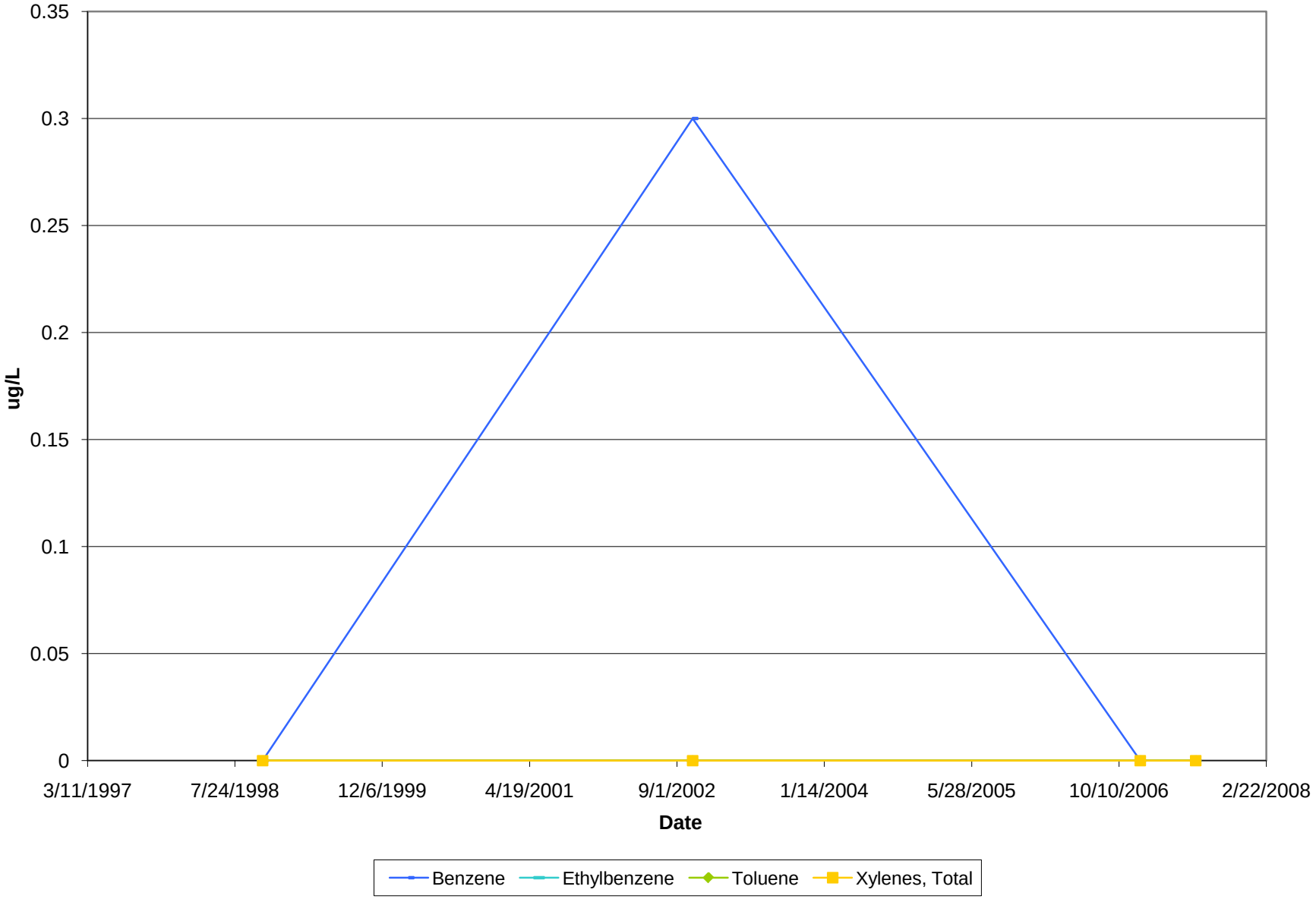
Data Record for MW-20R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



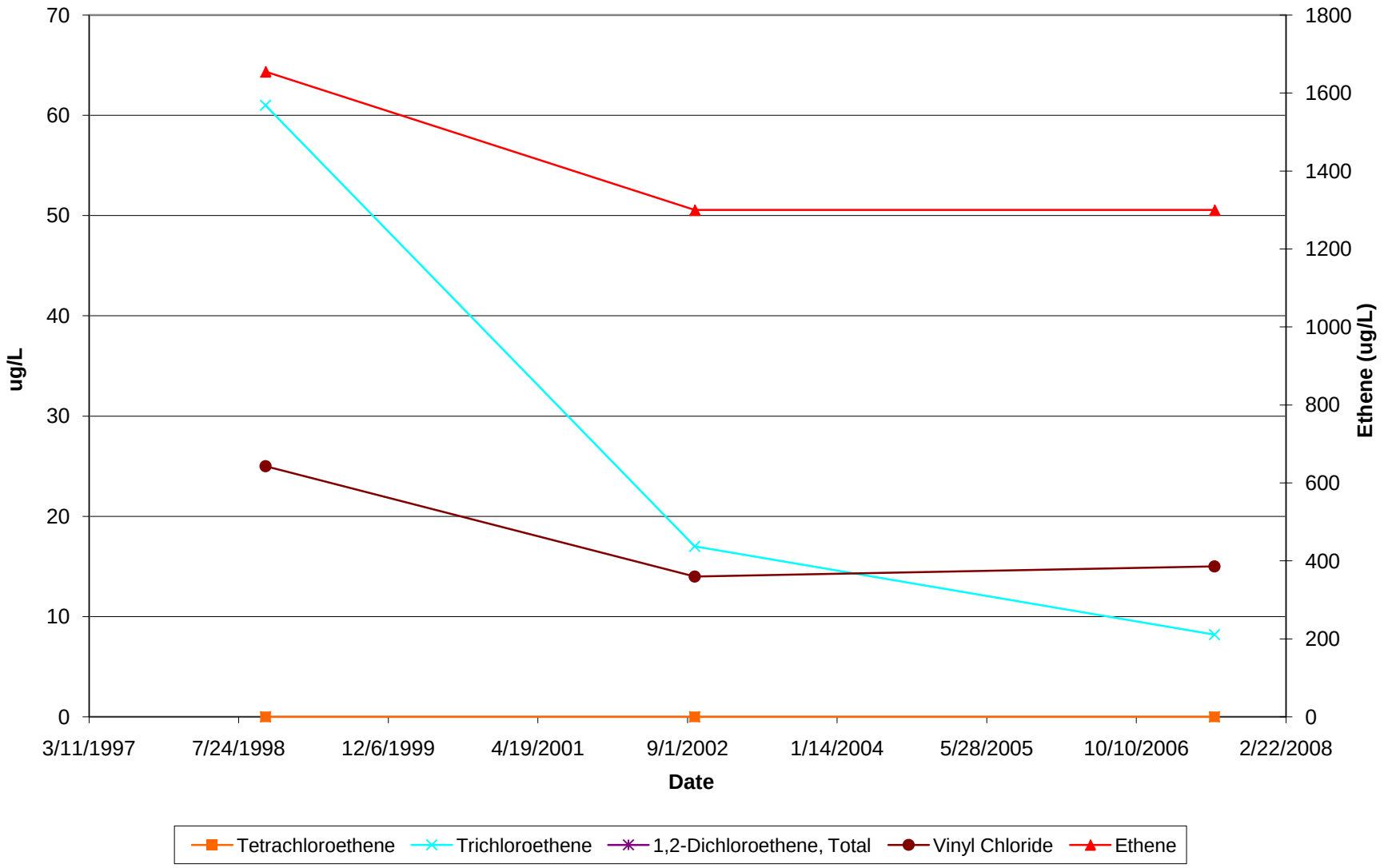
Data Record for MW-20R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



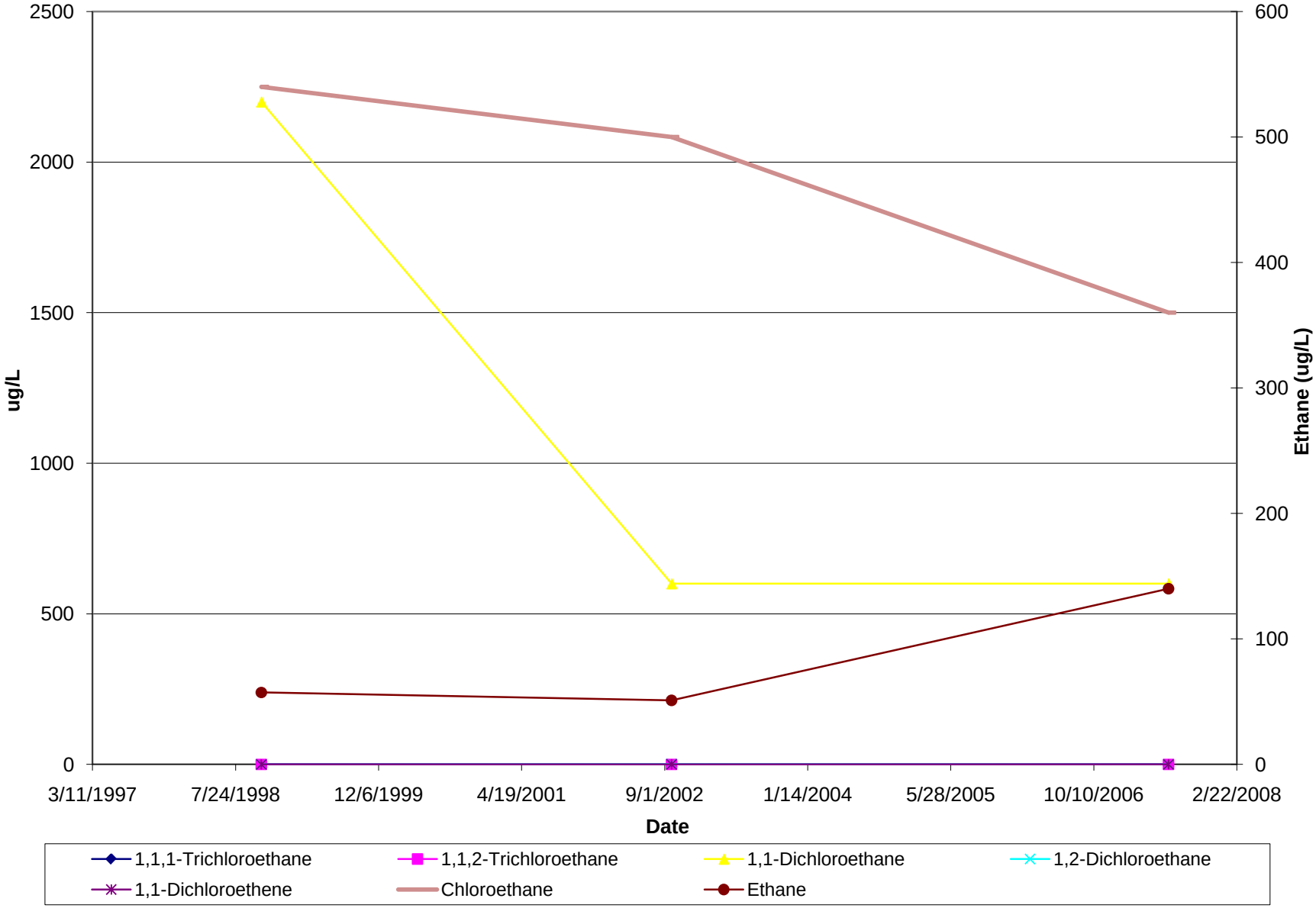
Data Record for MW-20R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



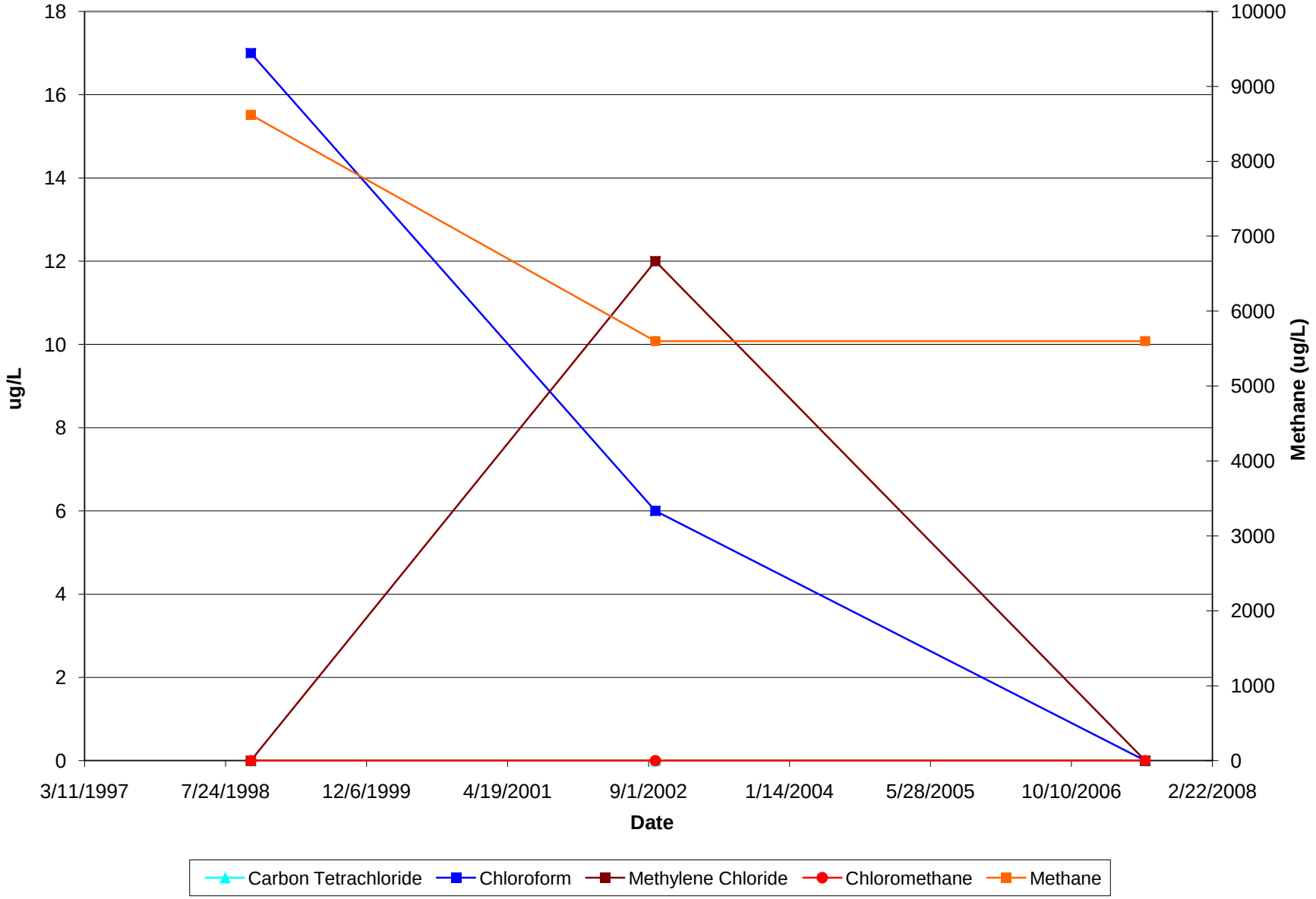
Data Record for MW-21D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



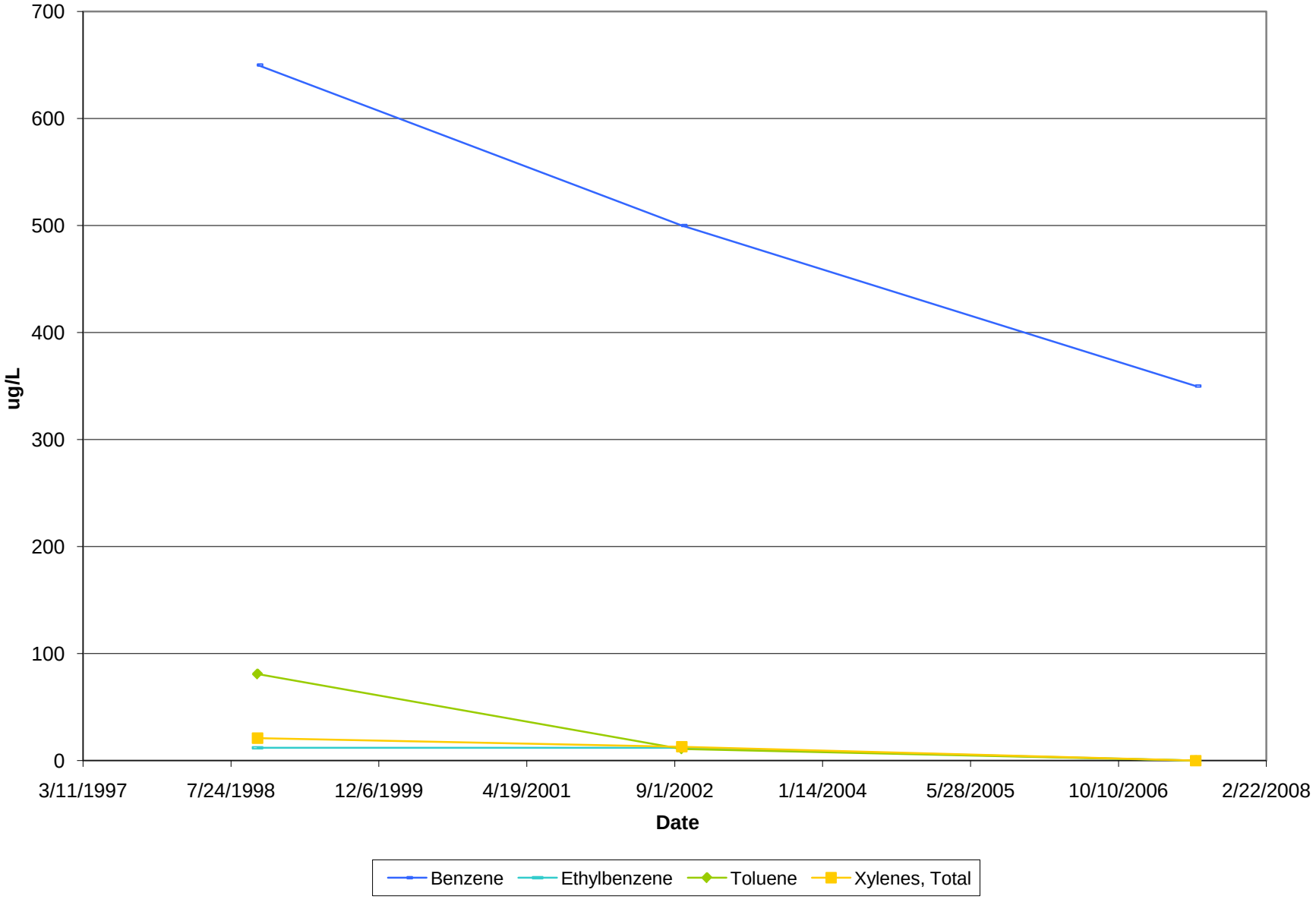
Data Record for MW-21D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



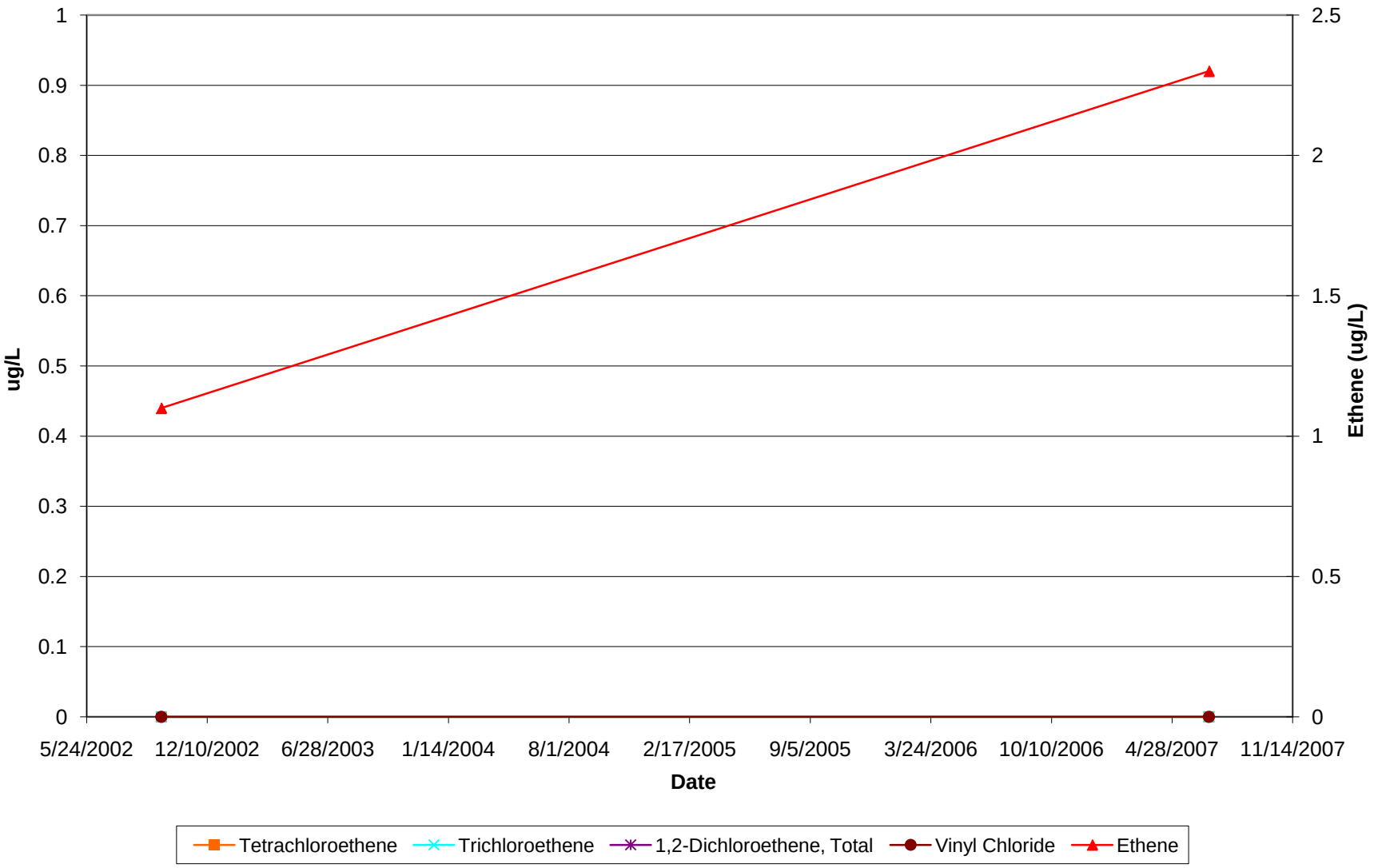
Data Record for MW-21D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



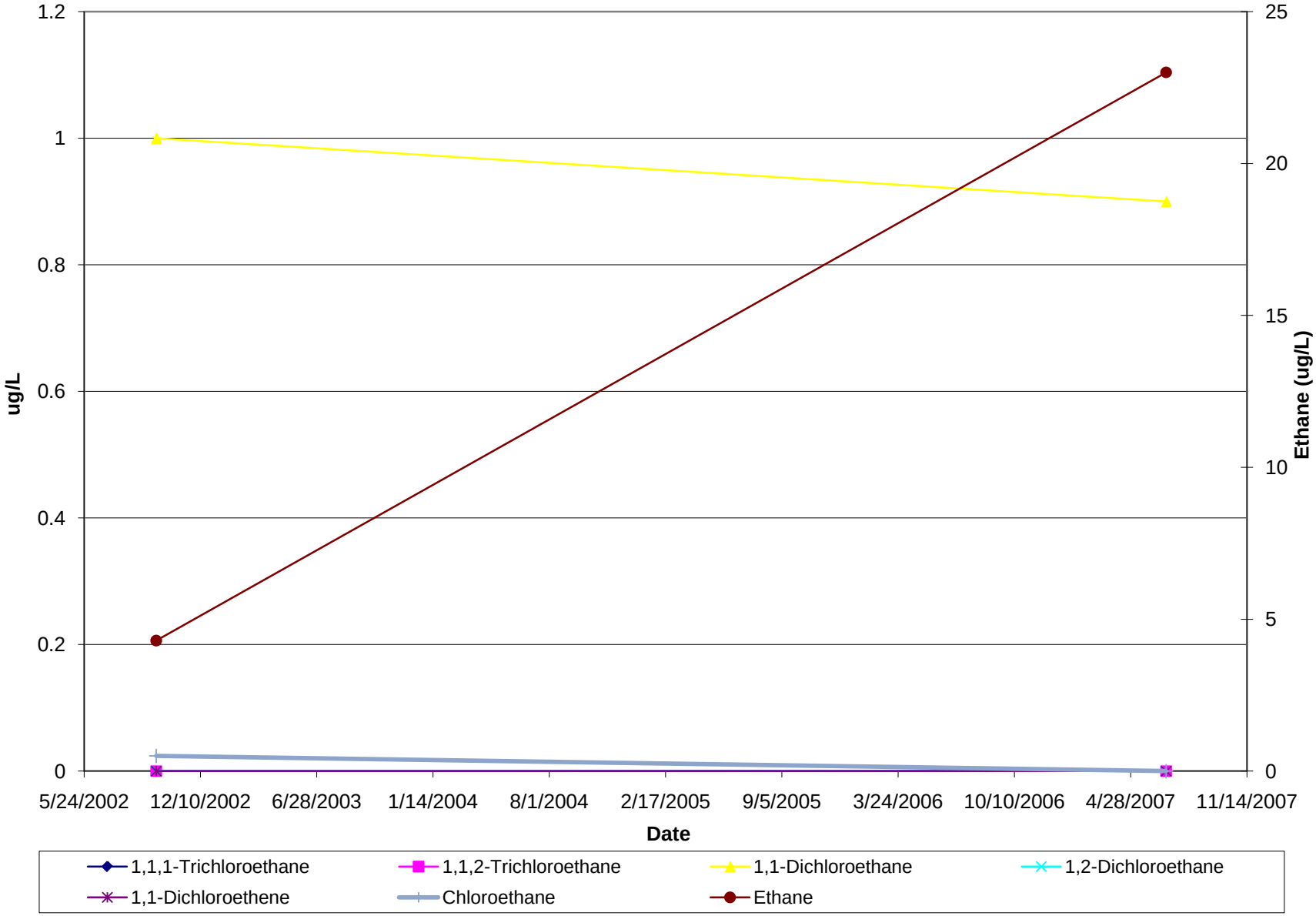
Data Record for MW-21D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



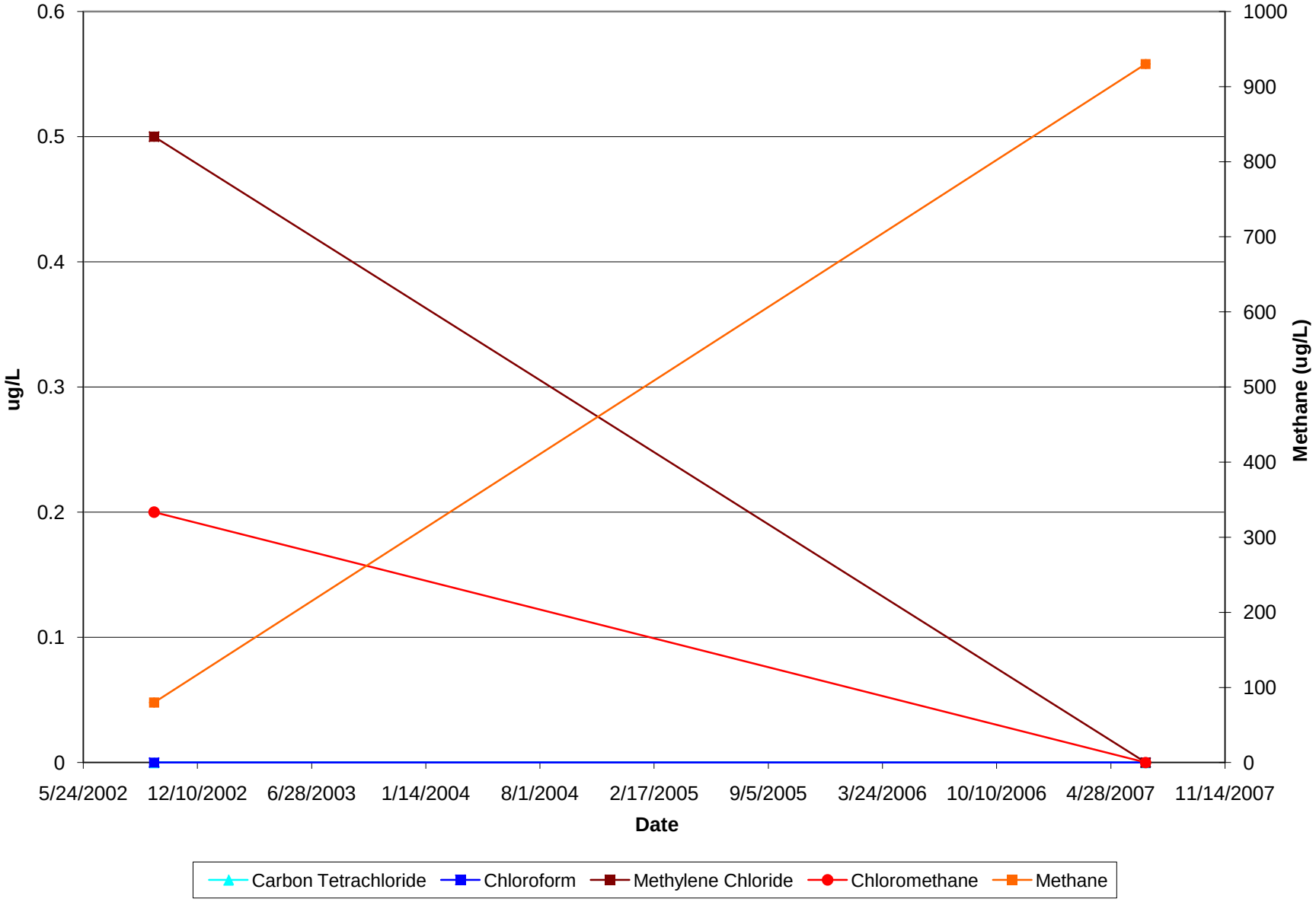
Data Record for MW-22D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



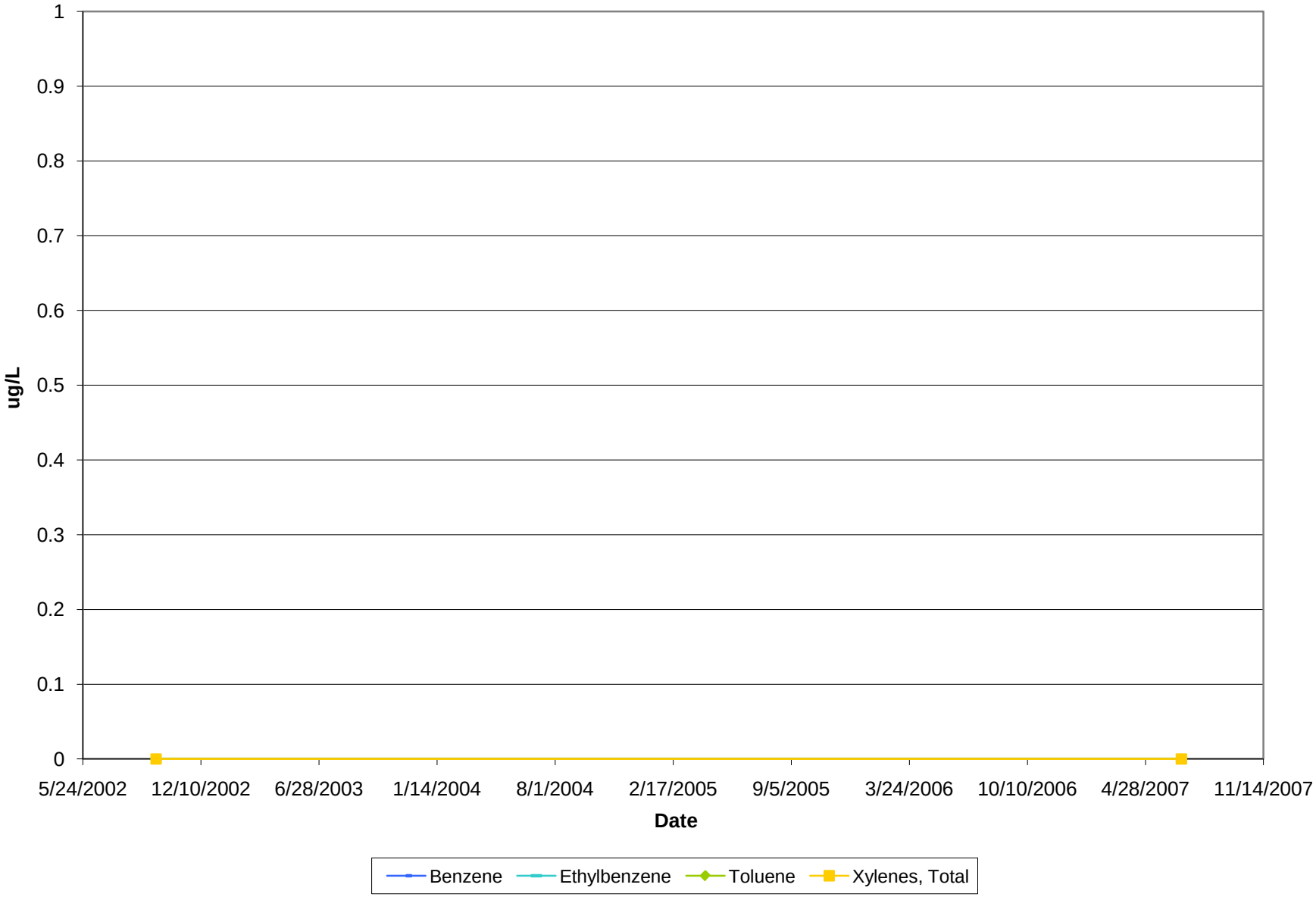
Data Record for MW-22D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



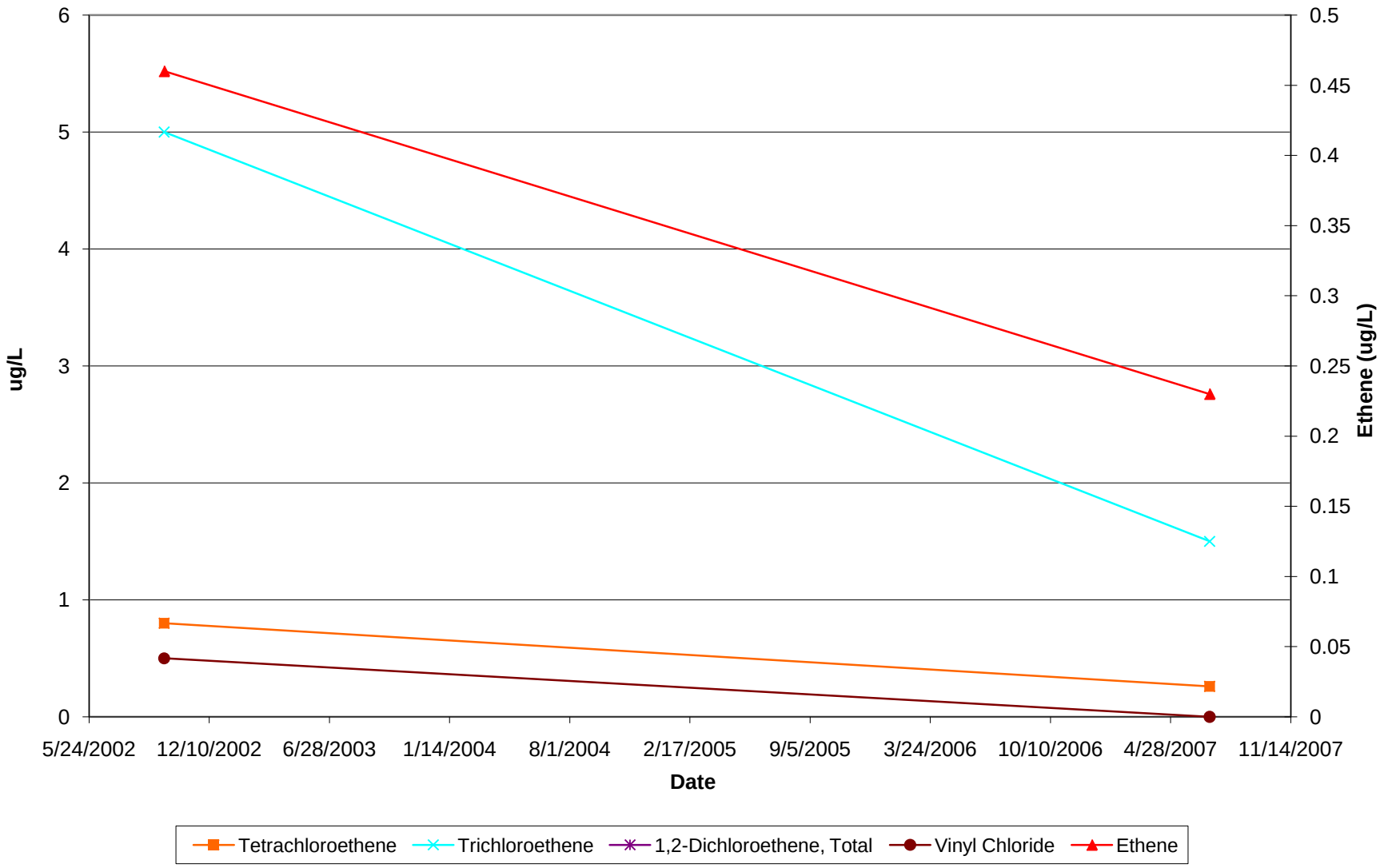
Data Record for MW-22D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



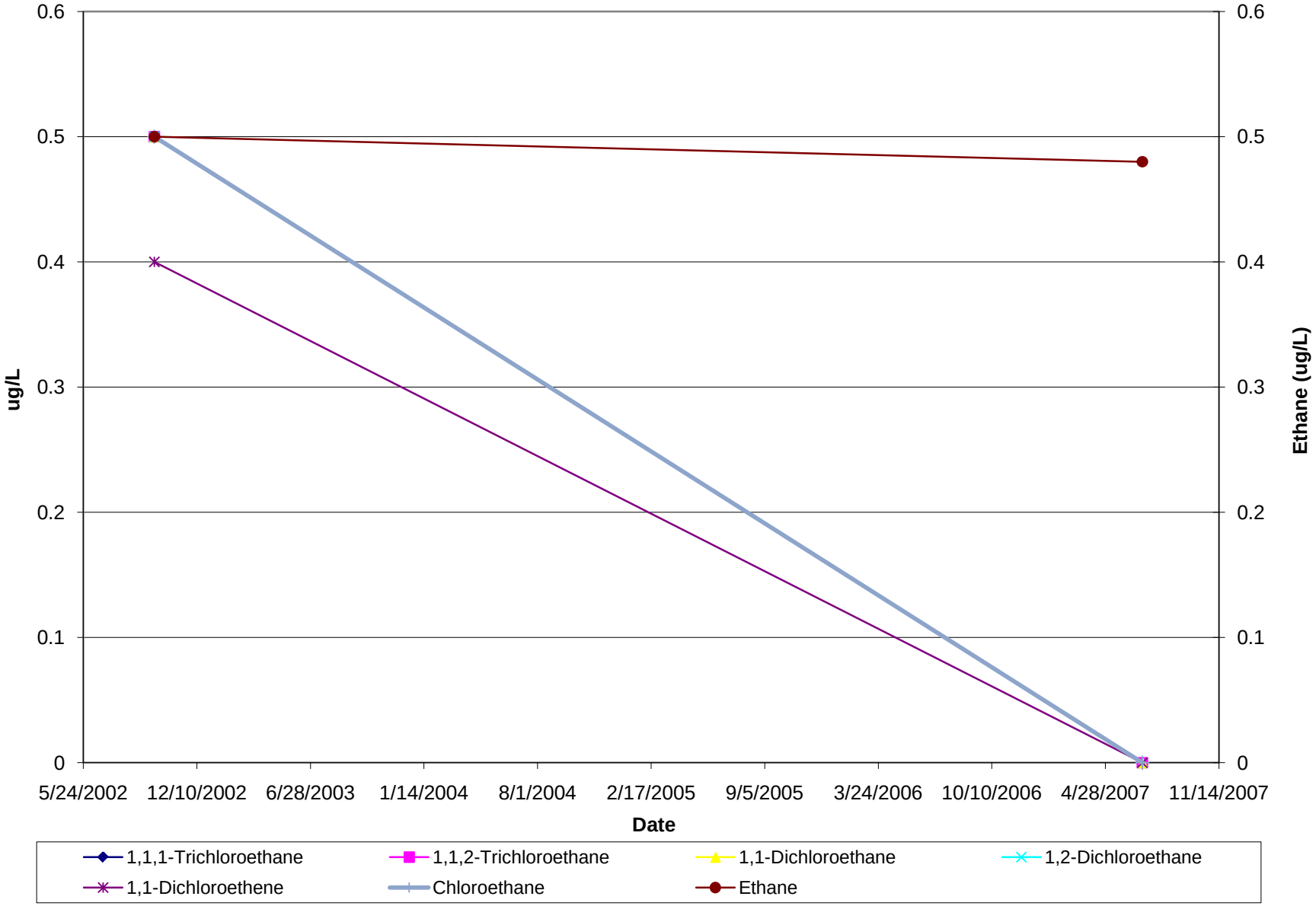
Data Record for MW-22D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



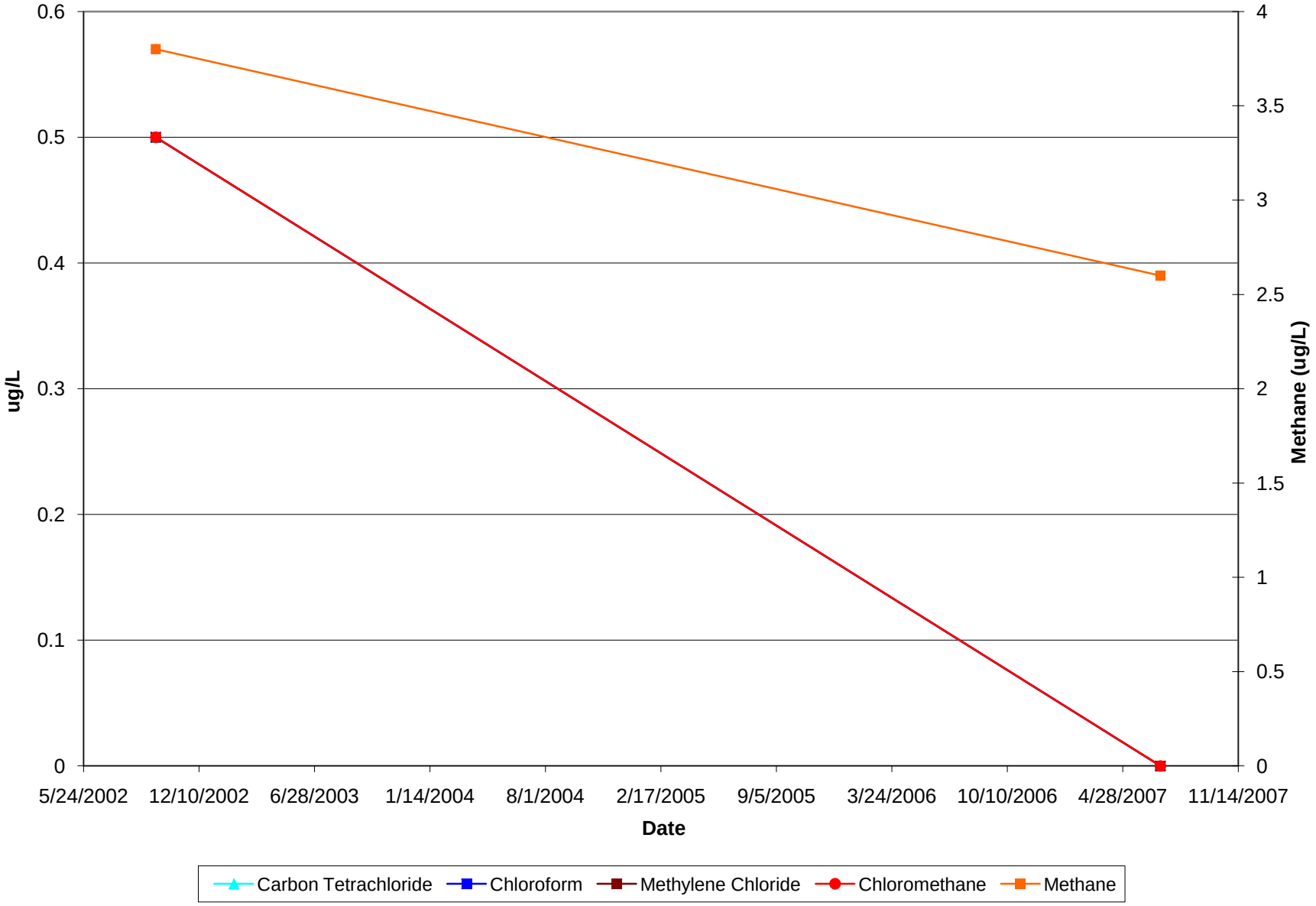
Data Record for MW-23R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



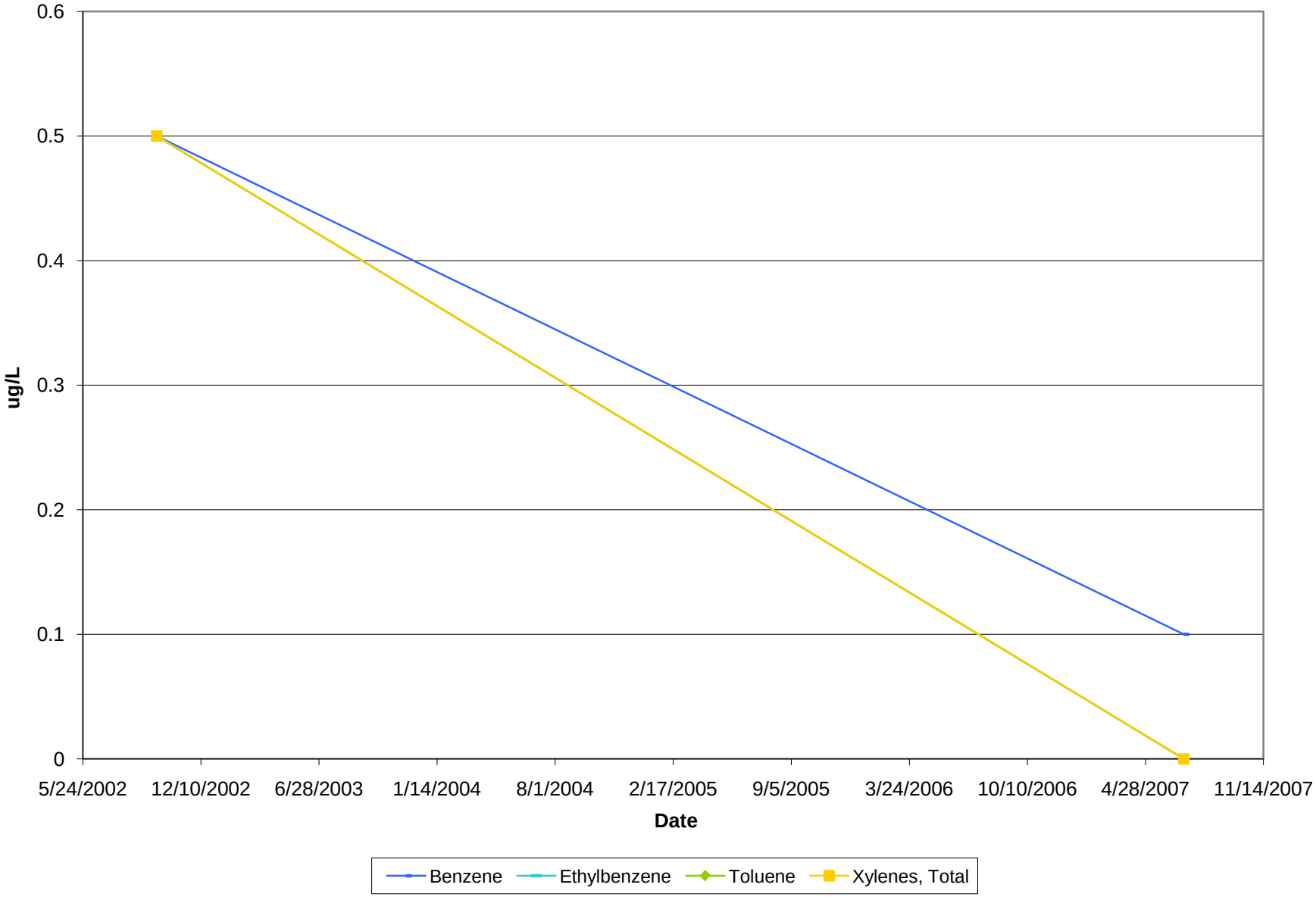
Data Record for MW-23R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



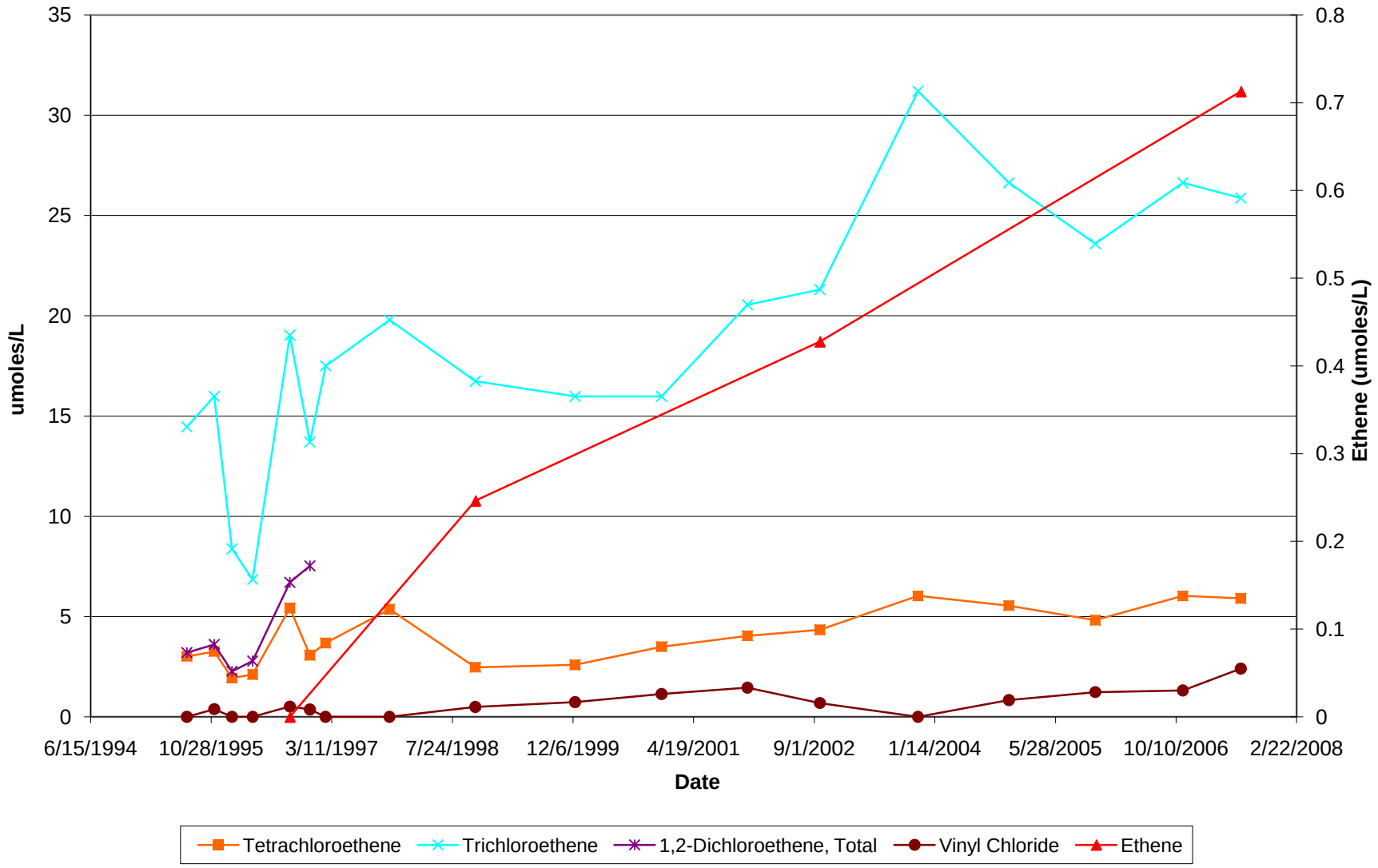
Data Record for MW-23R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



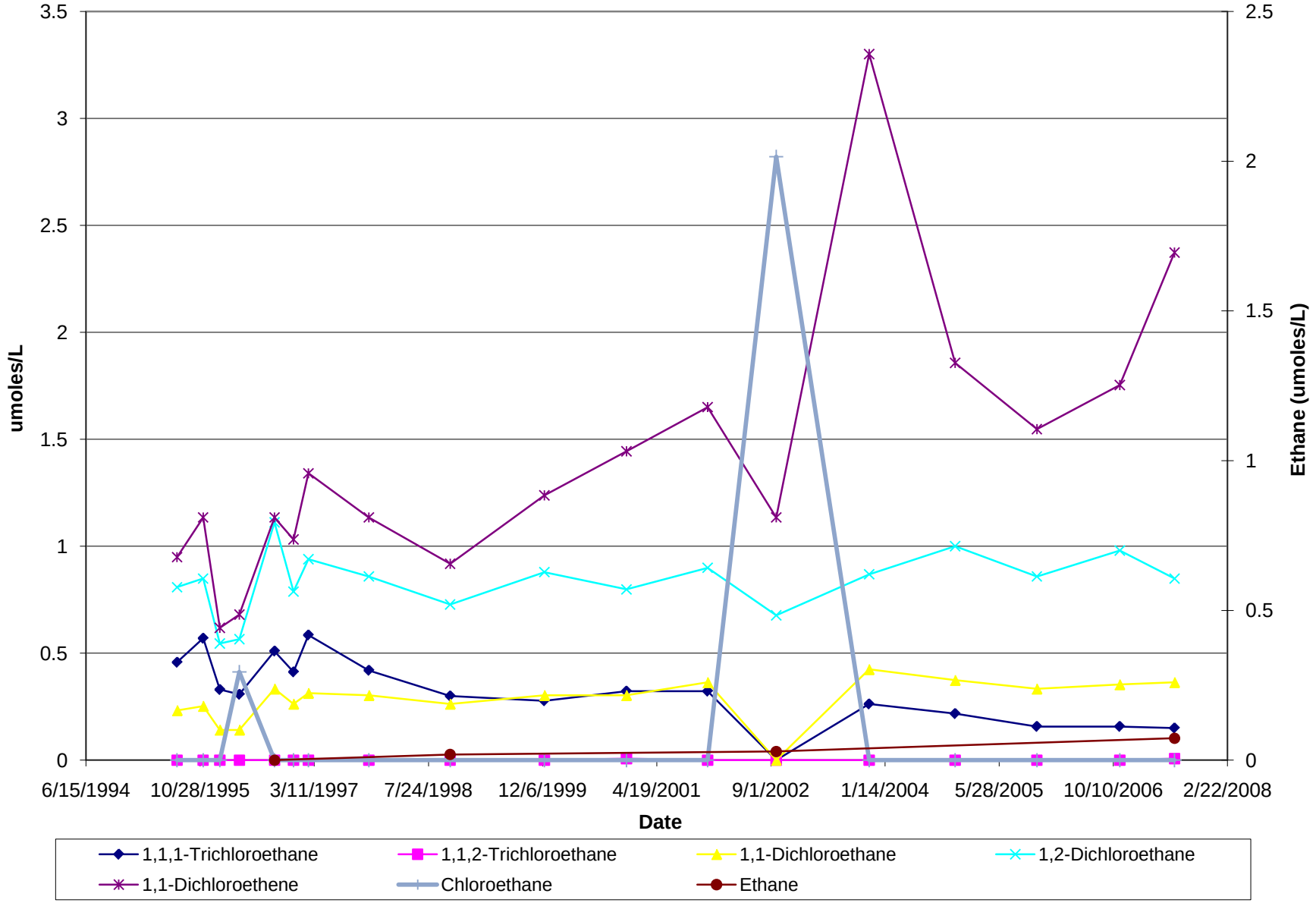
Data Record for MW-23R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



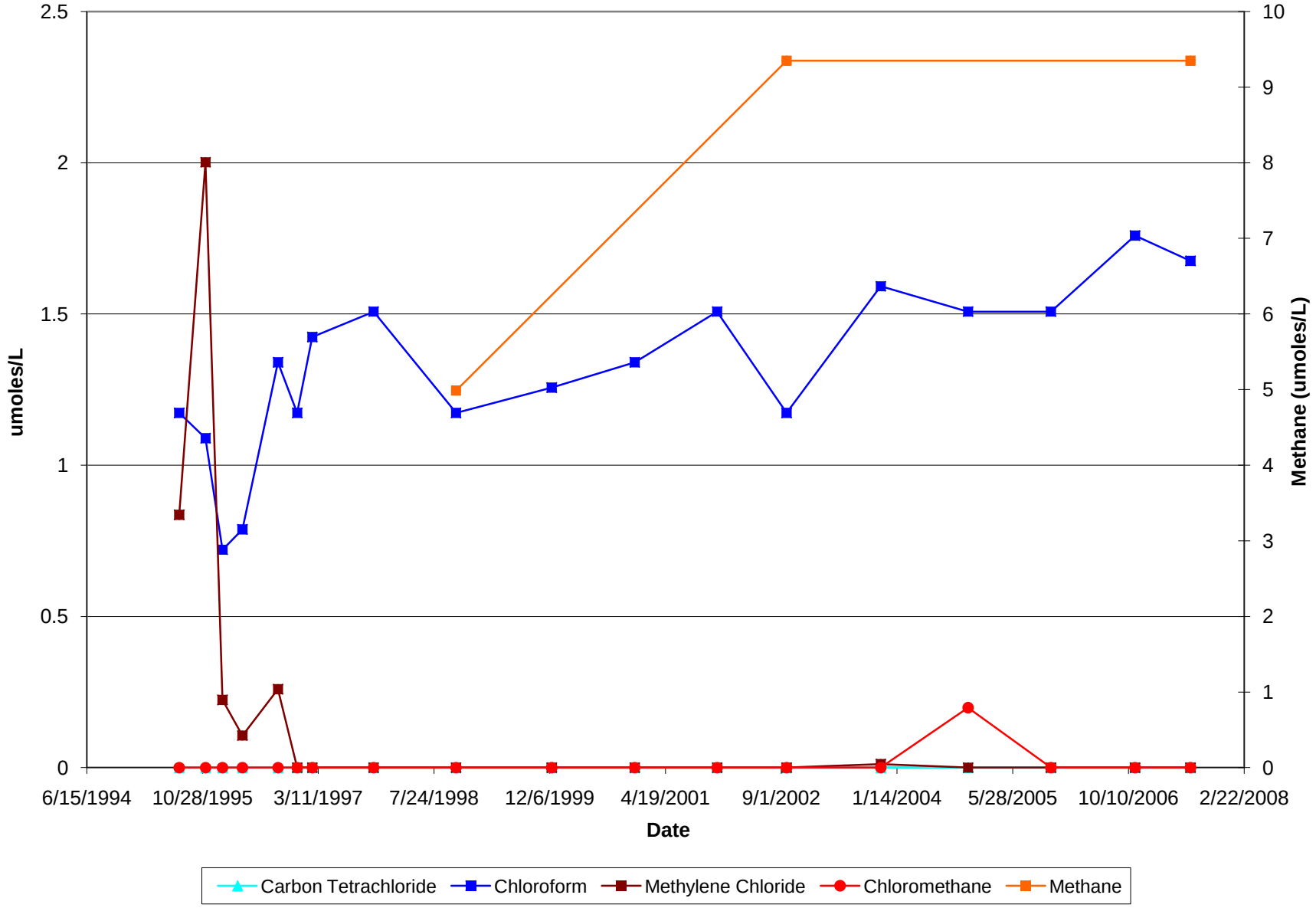
Data Record for Molar MW-5D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



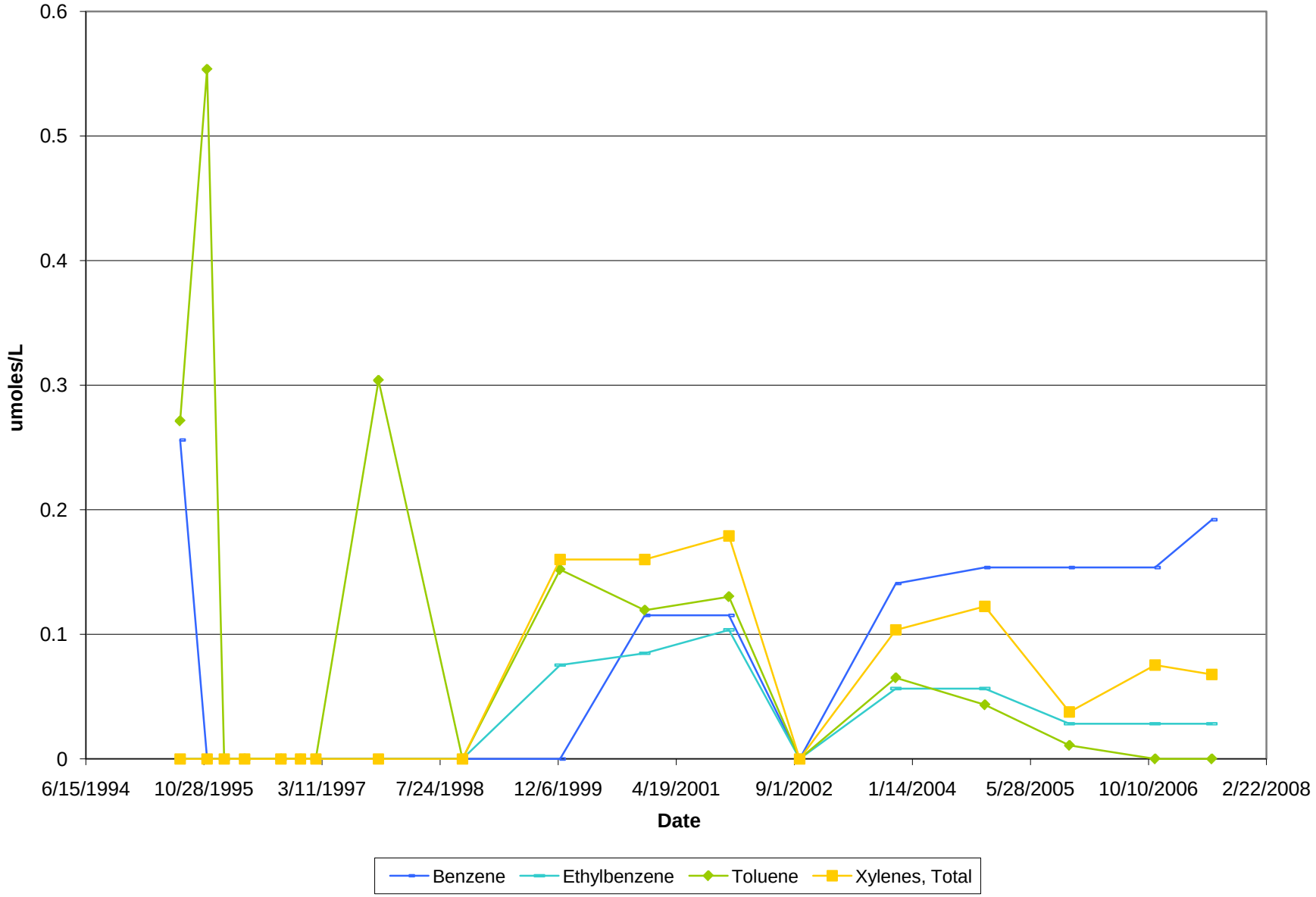
Data Record for Molar MW-5D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



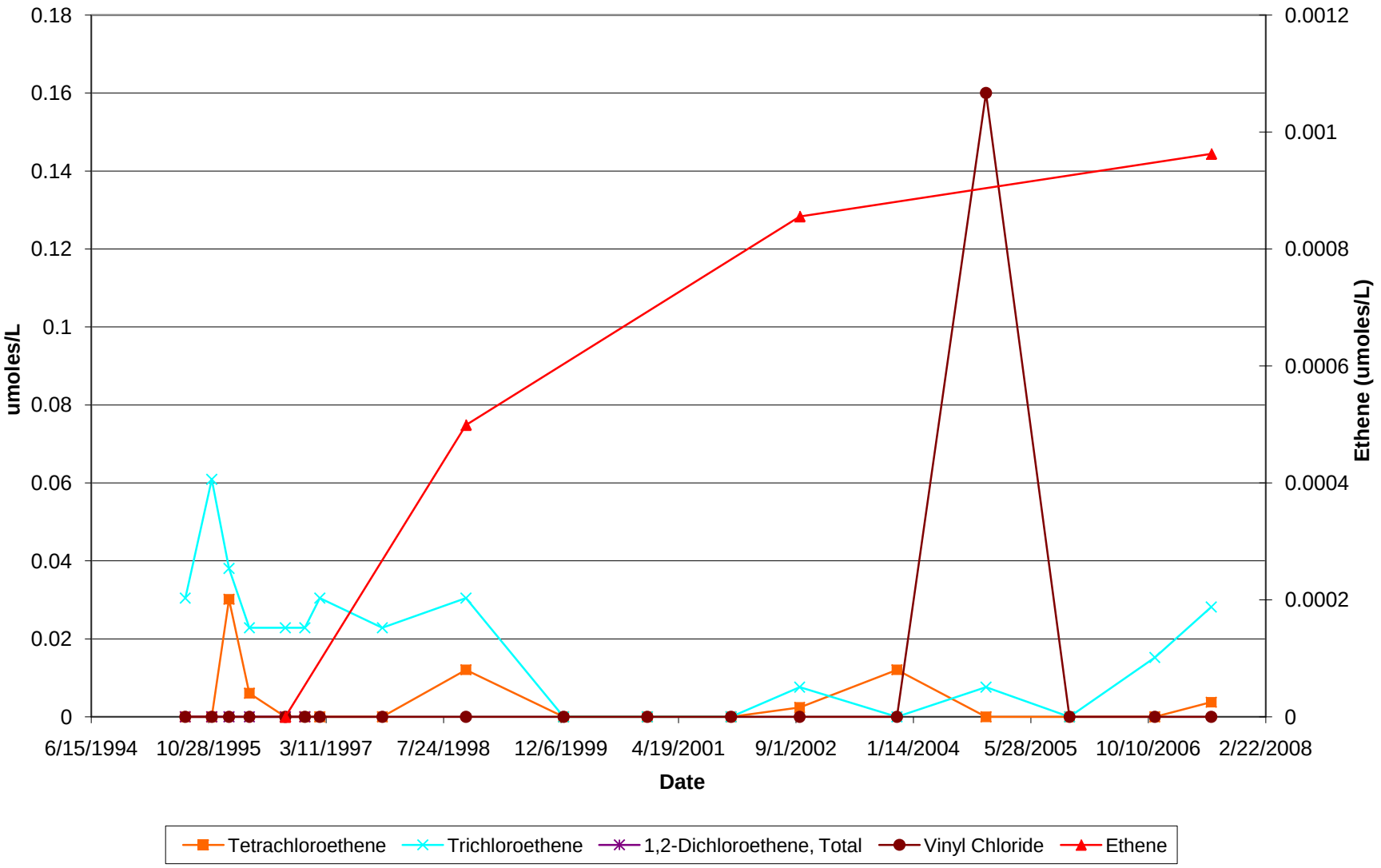
Data Record for Molar MW-5D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



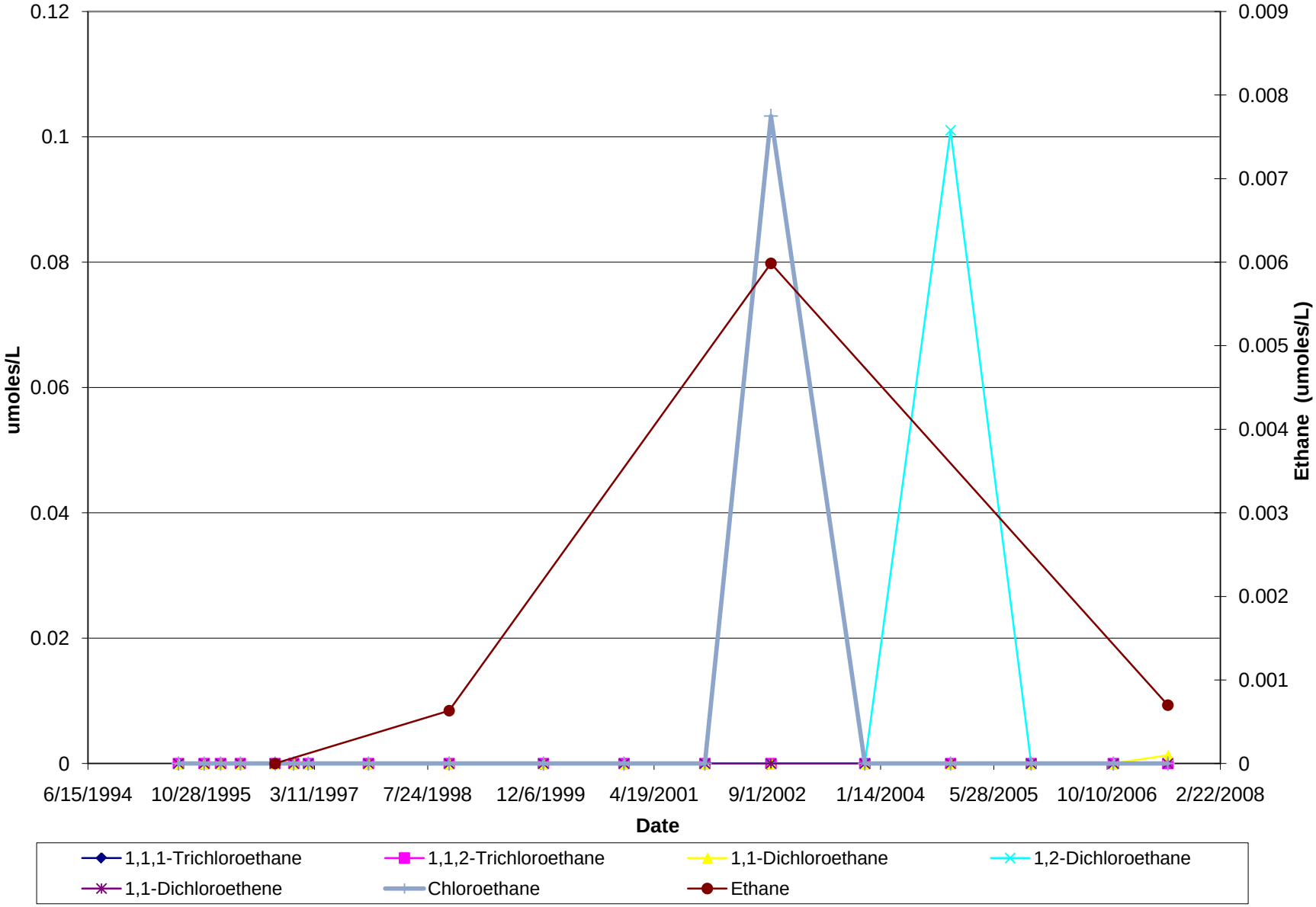
Data Record for Molar MW-5D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



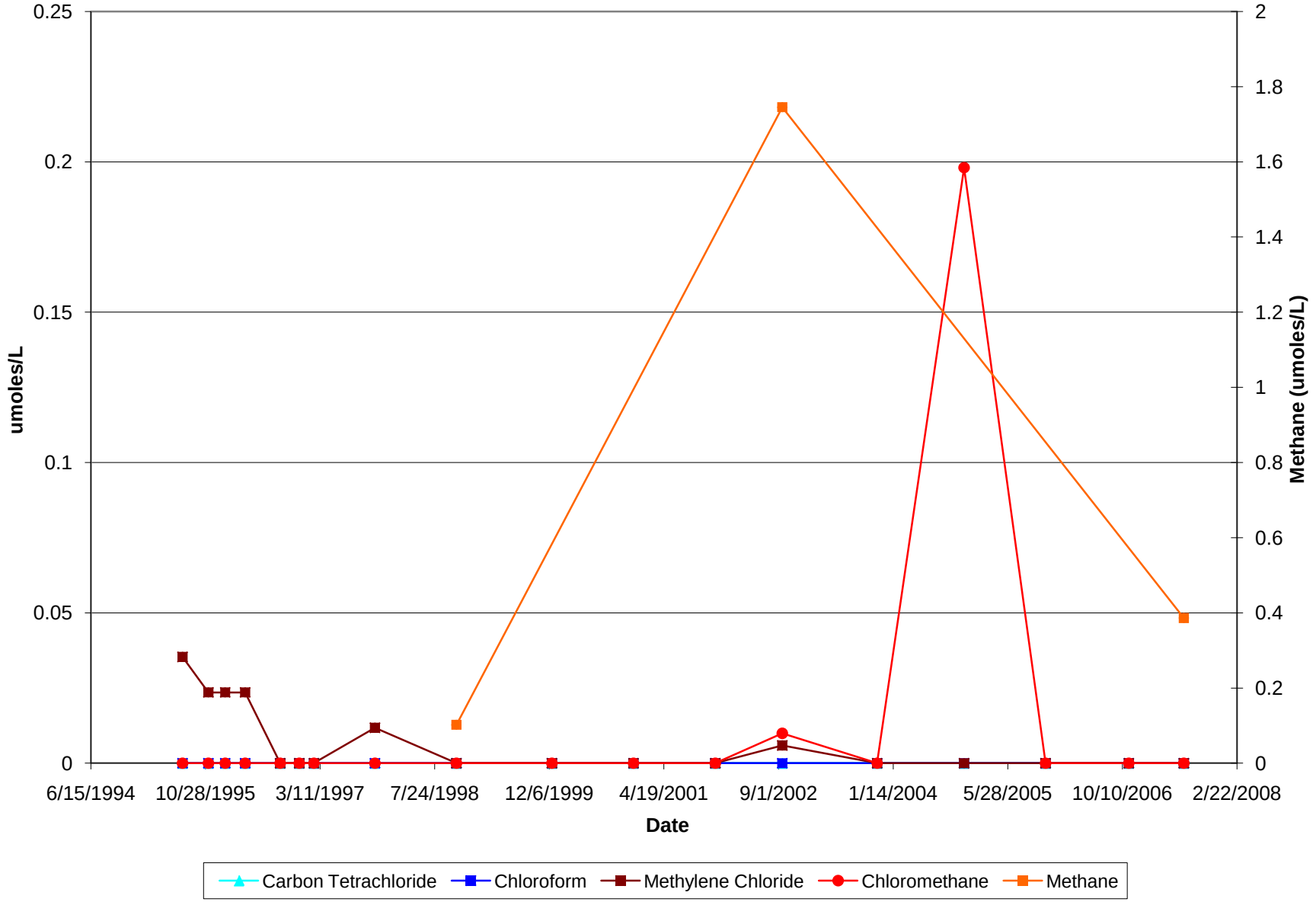
Data Record for Molar MW-7D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



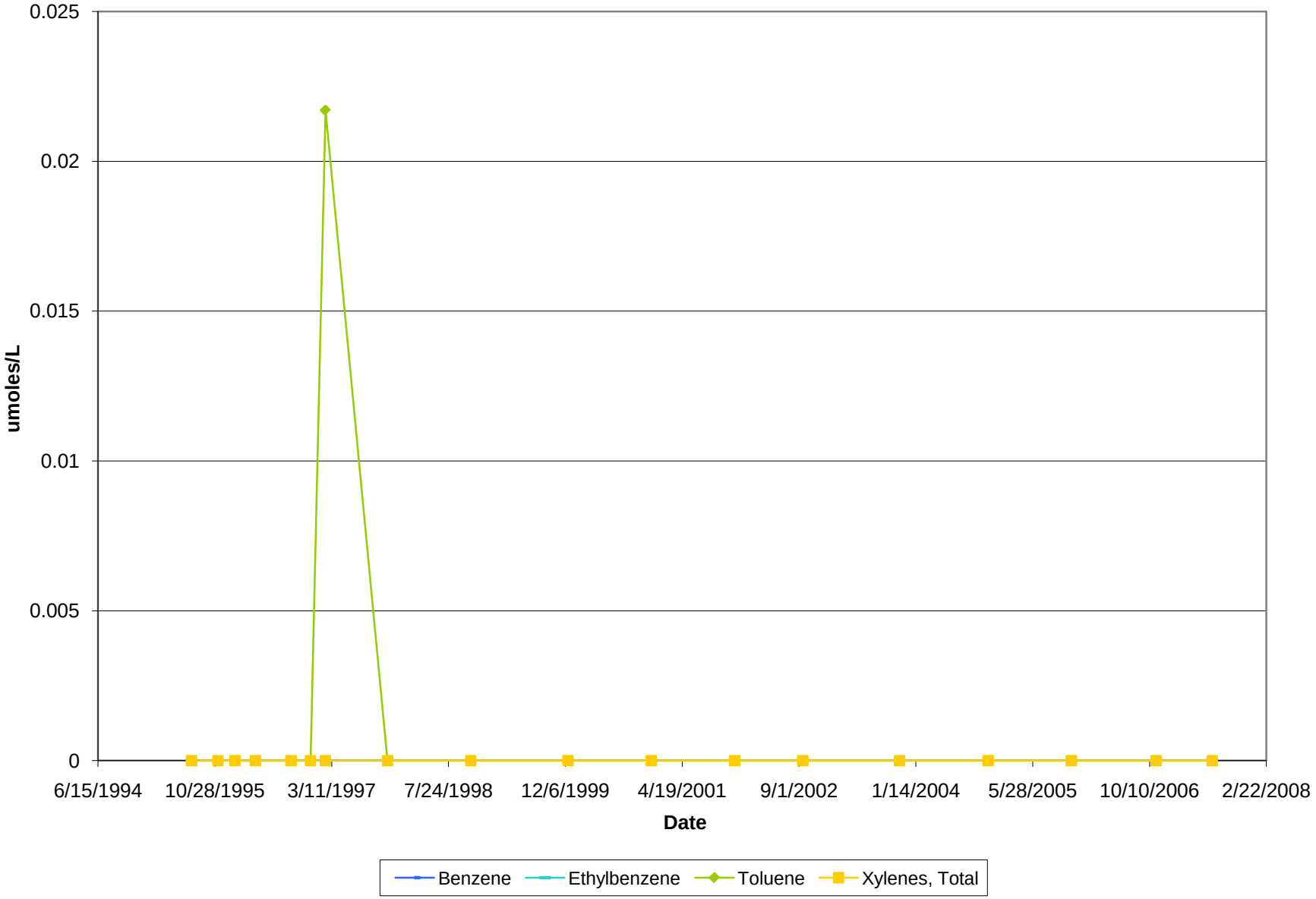
Data Record for Molar MW-7D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



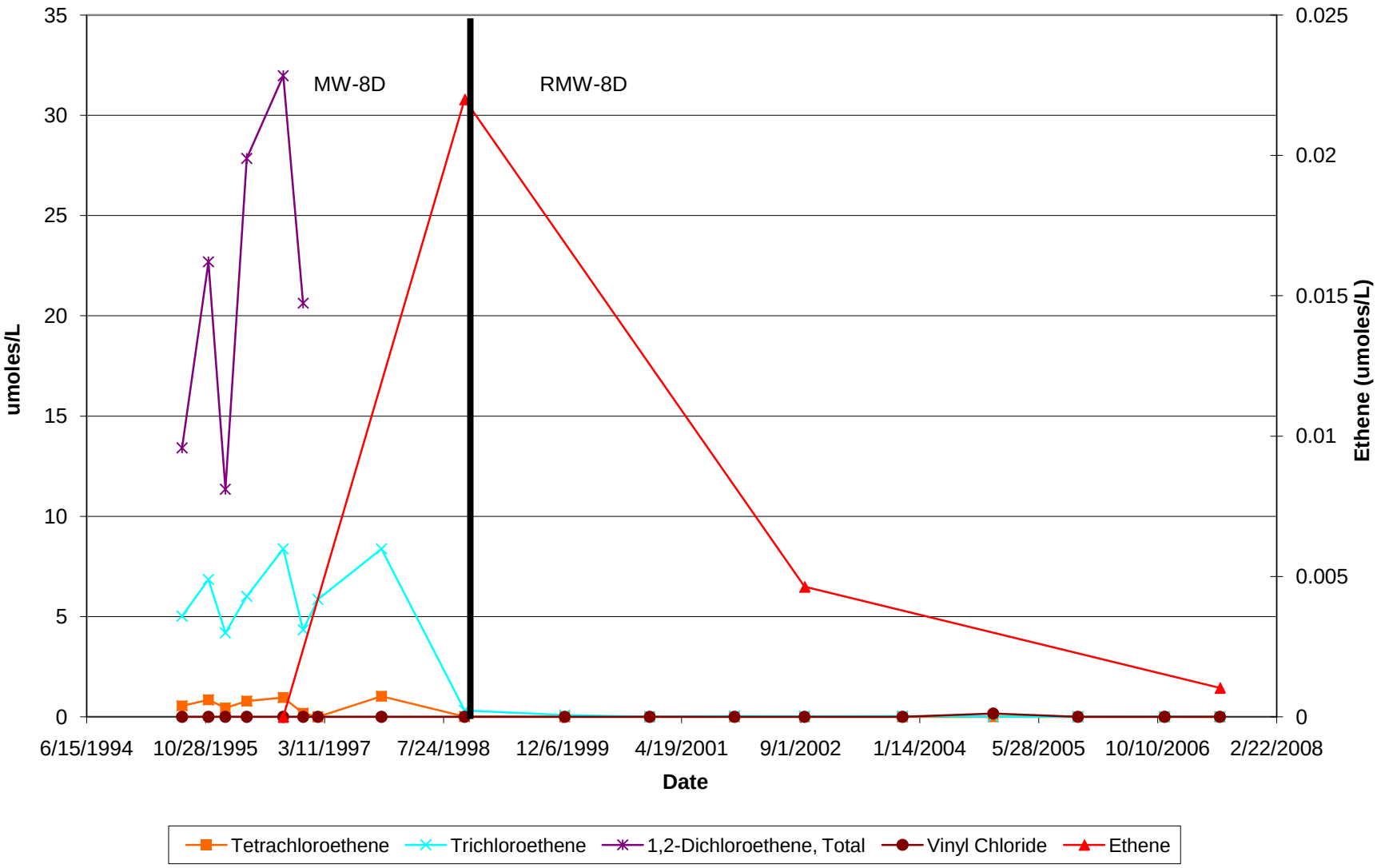
Data Record for Molar MW-7D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



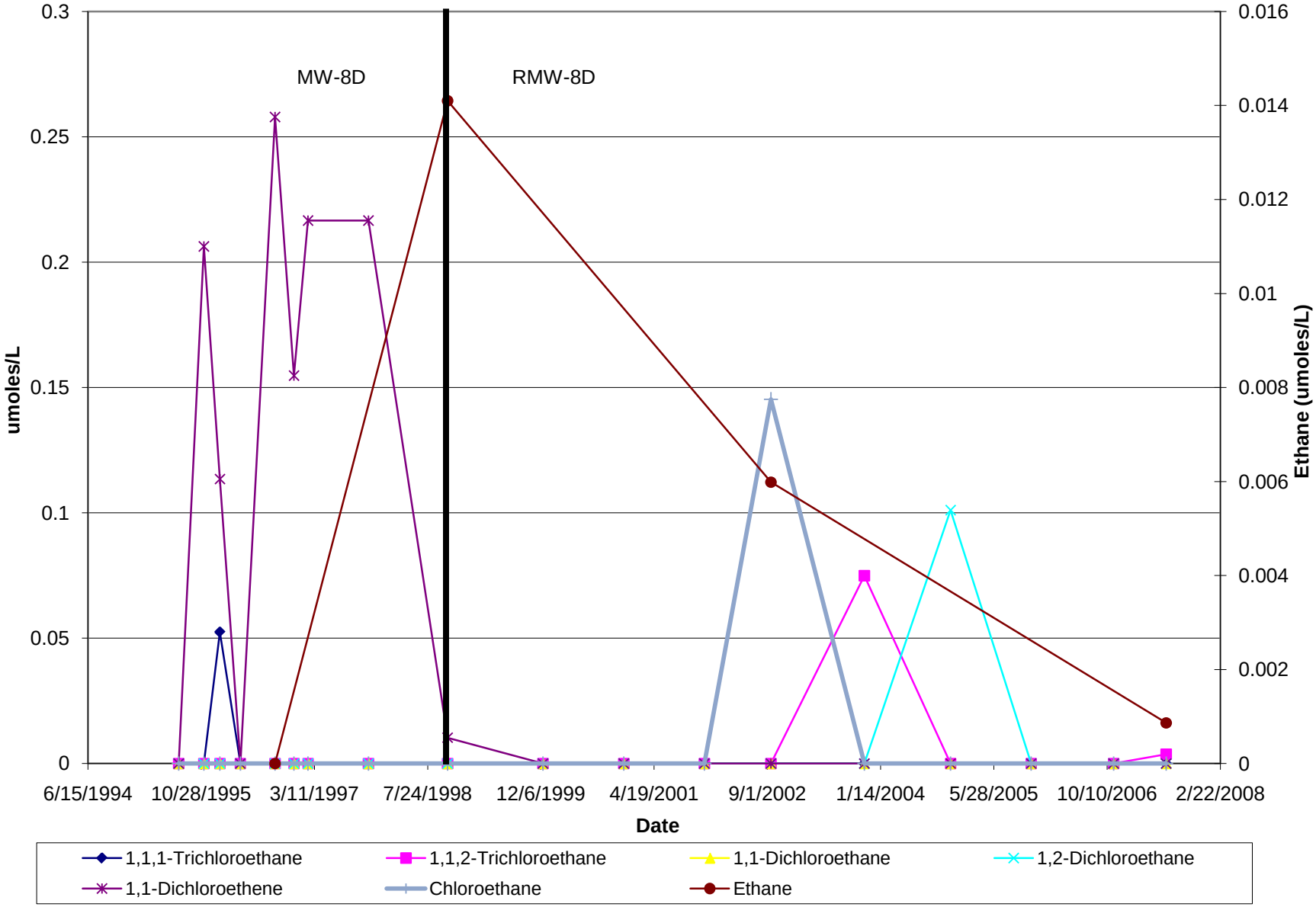
Data Record for Molar MW-7D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



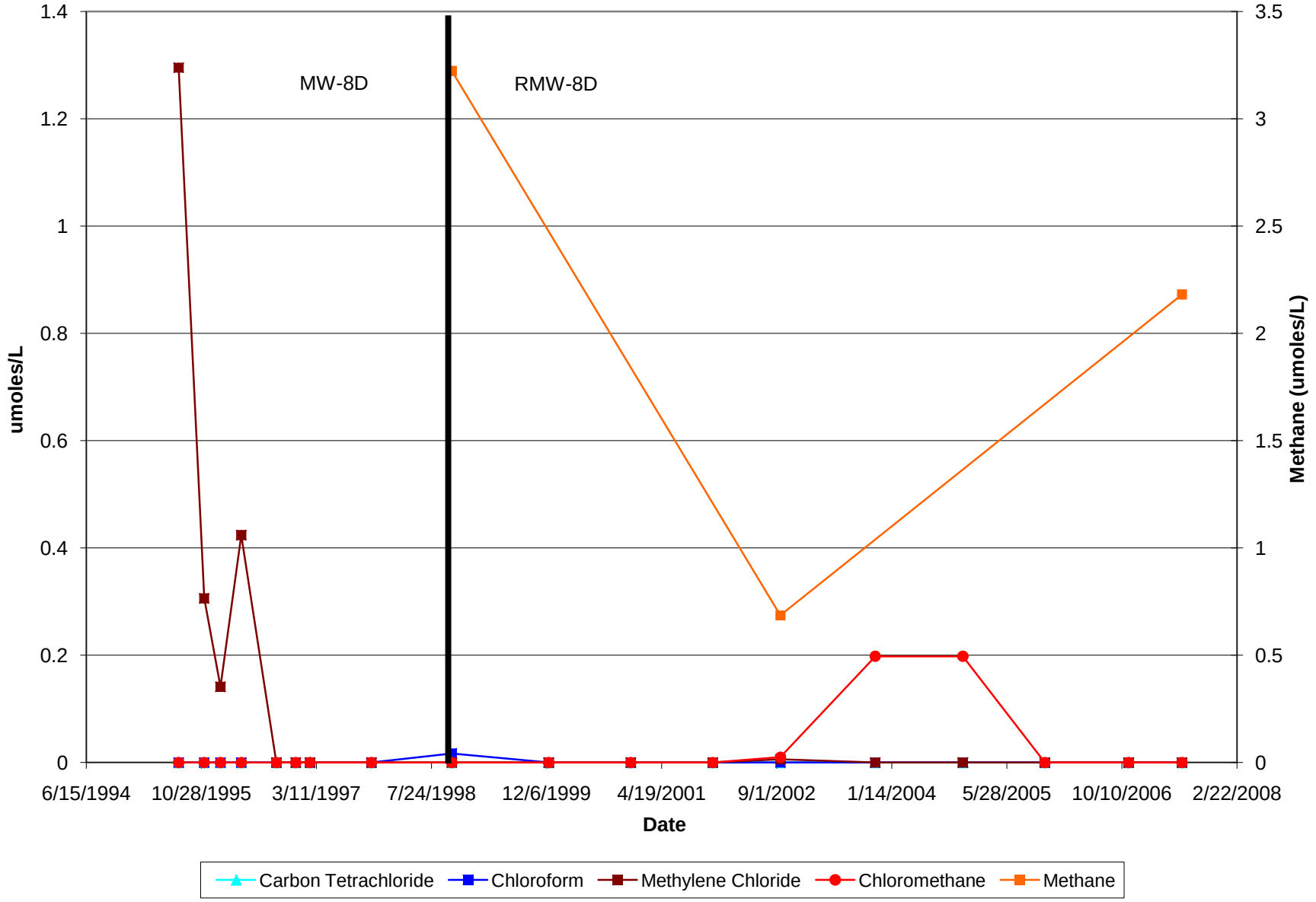
Data Record for Molar RMW-8D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



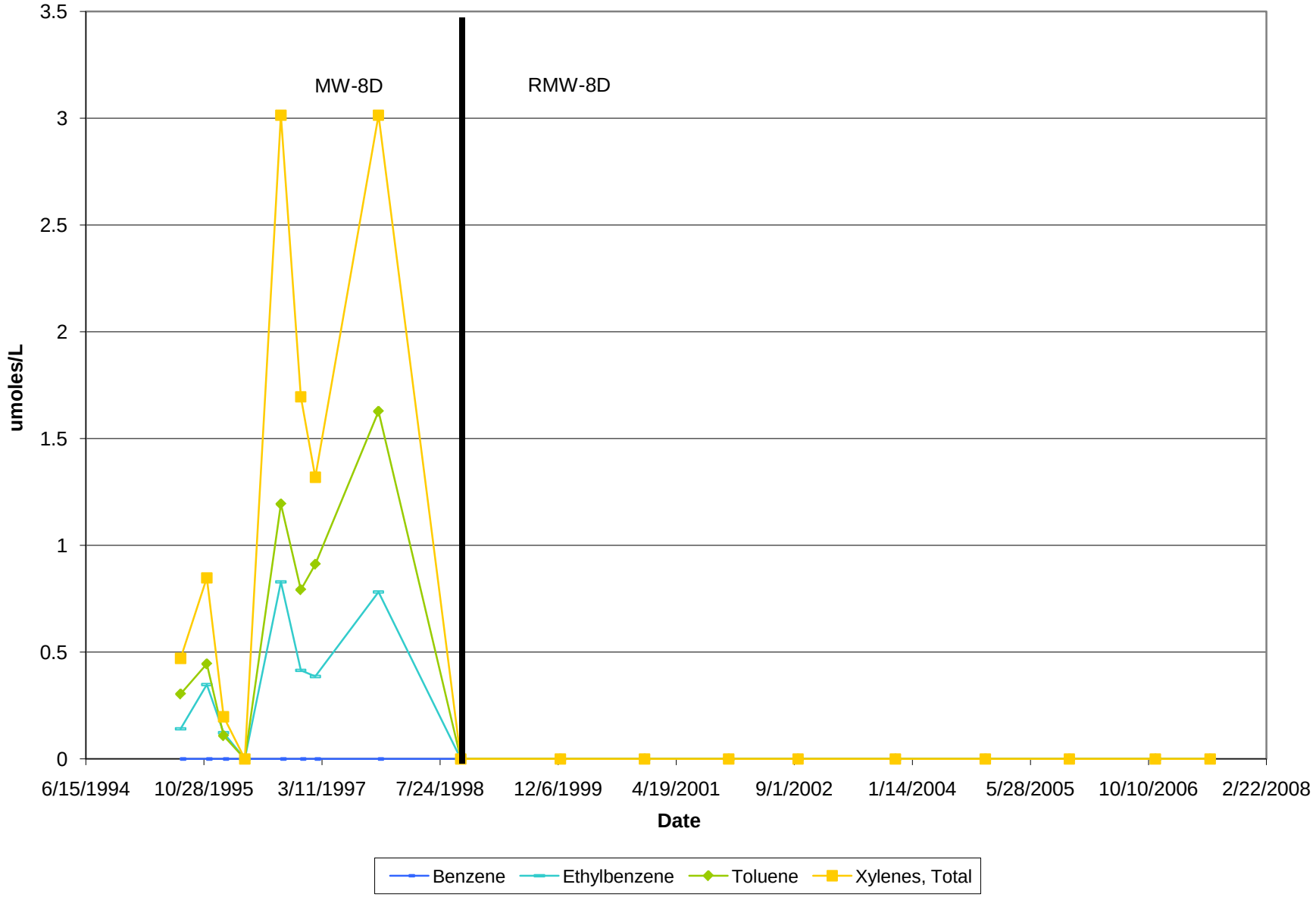
Data Record for Molar RMW-8D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



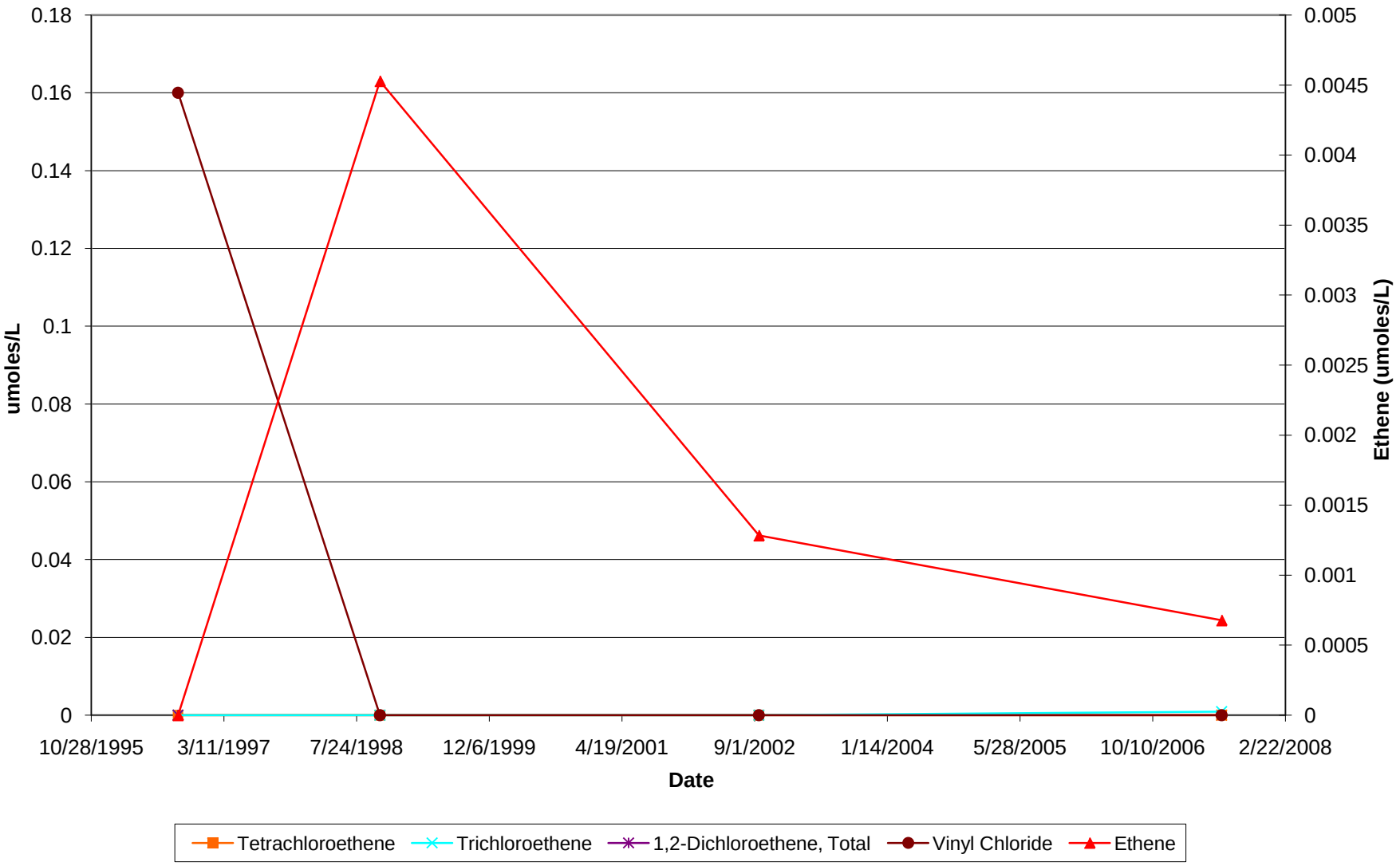
Data Record for Molar RMW-8D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



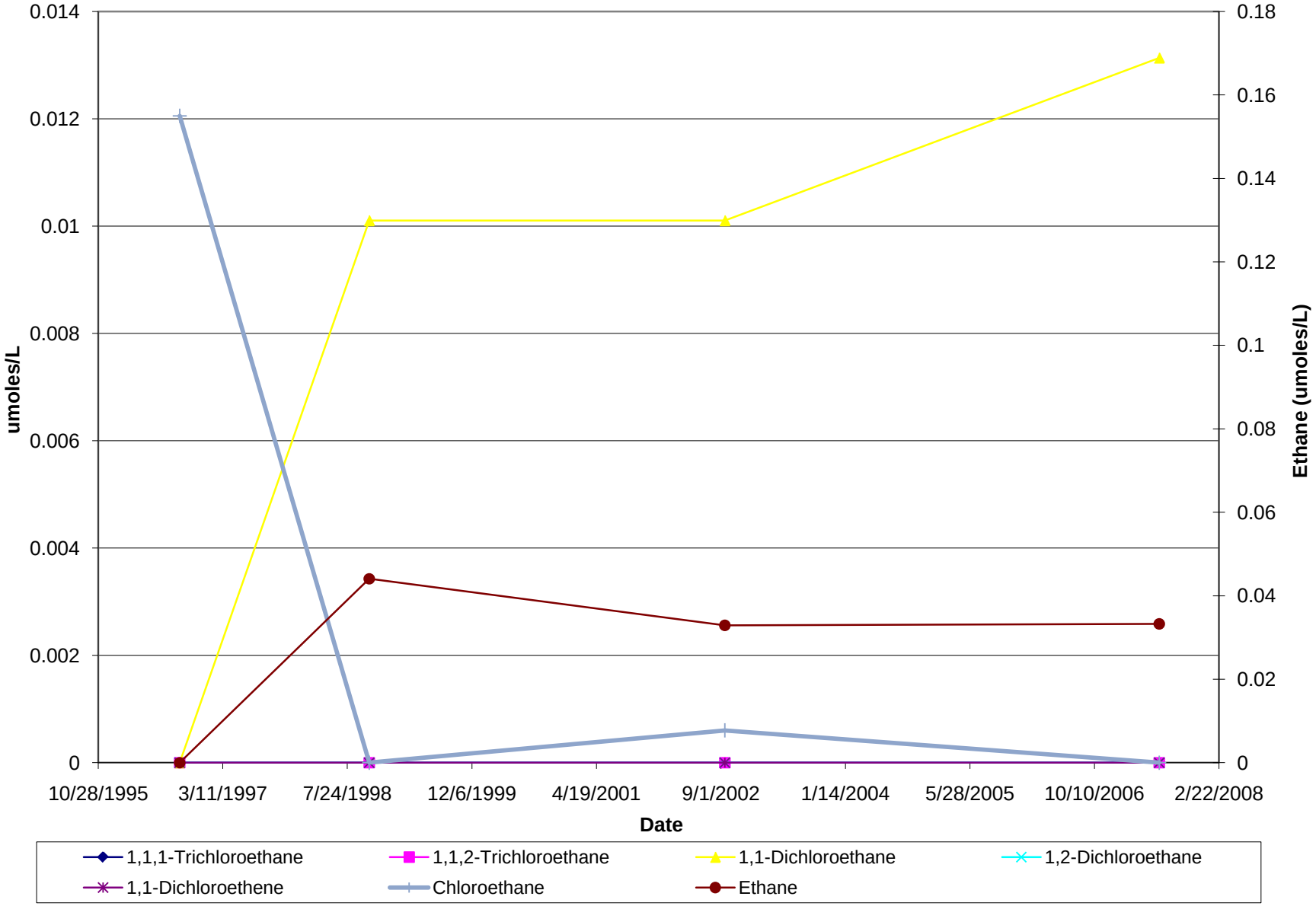
Data Record for Molar RMW-8D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for Molar MW-8R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



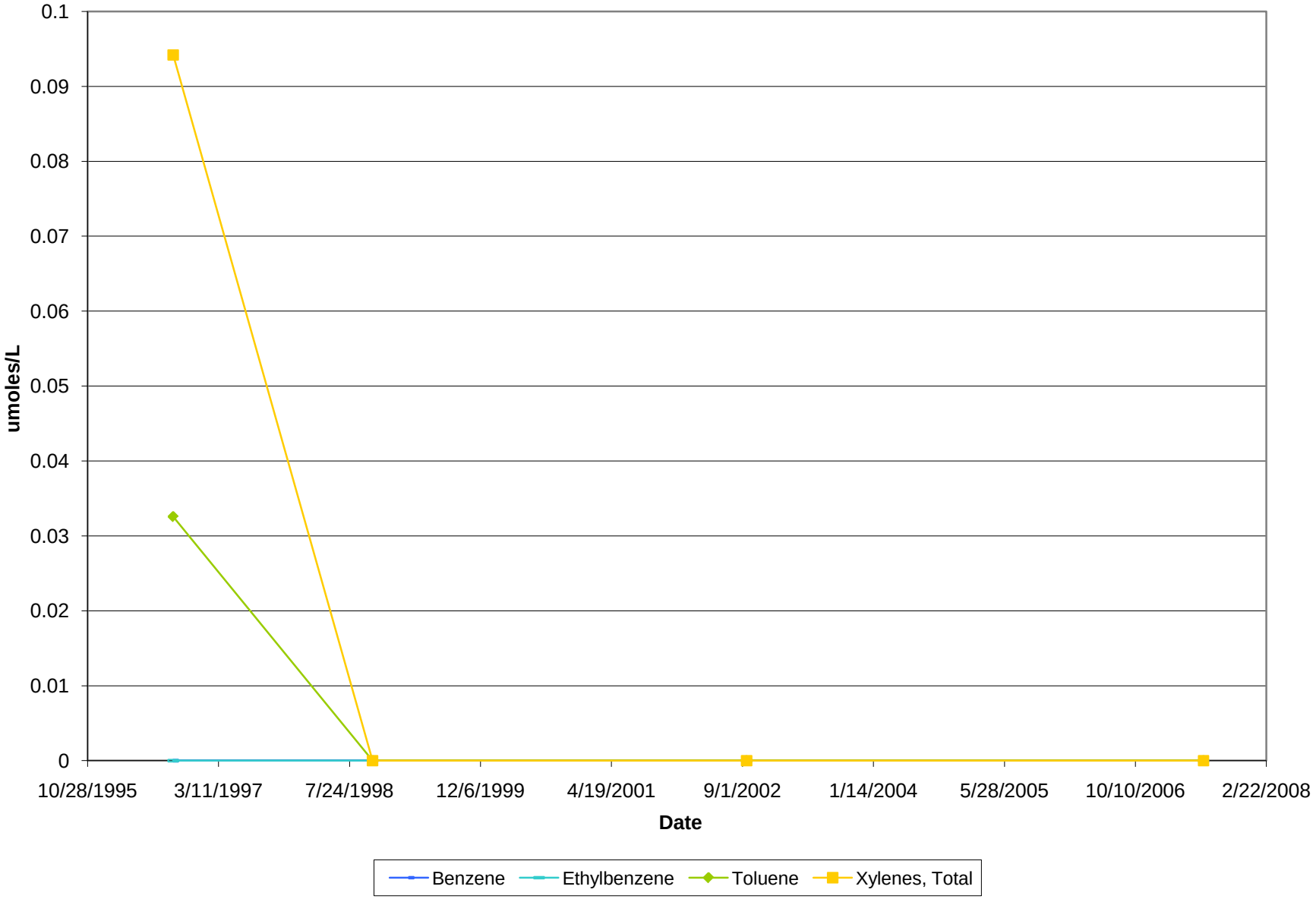
Data Record for Molar MW-8R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



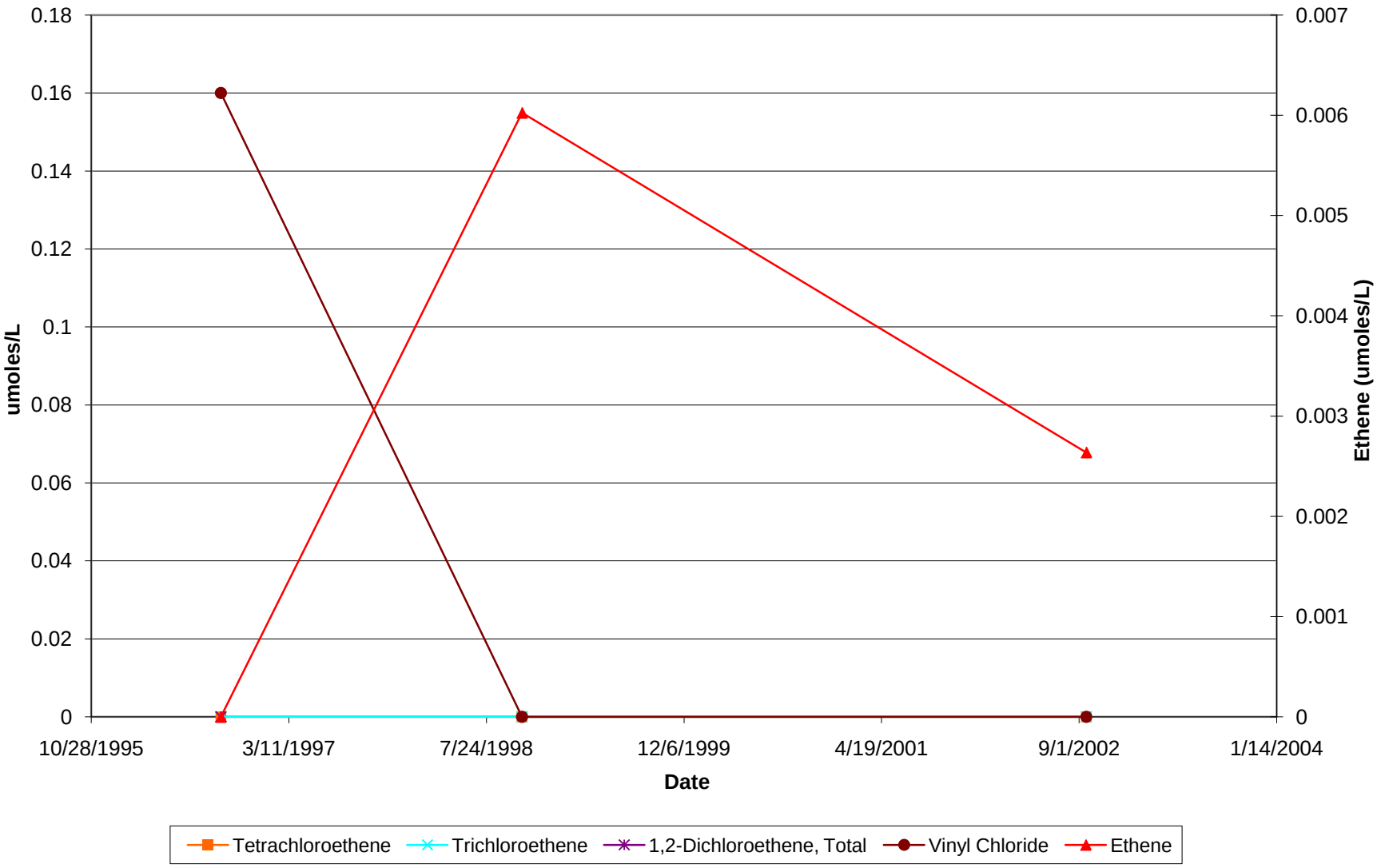
Data Record for Molar MW-8R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

Golder Associates

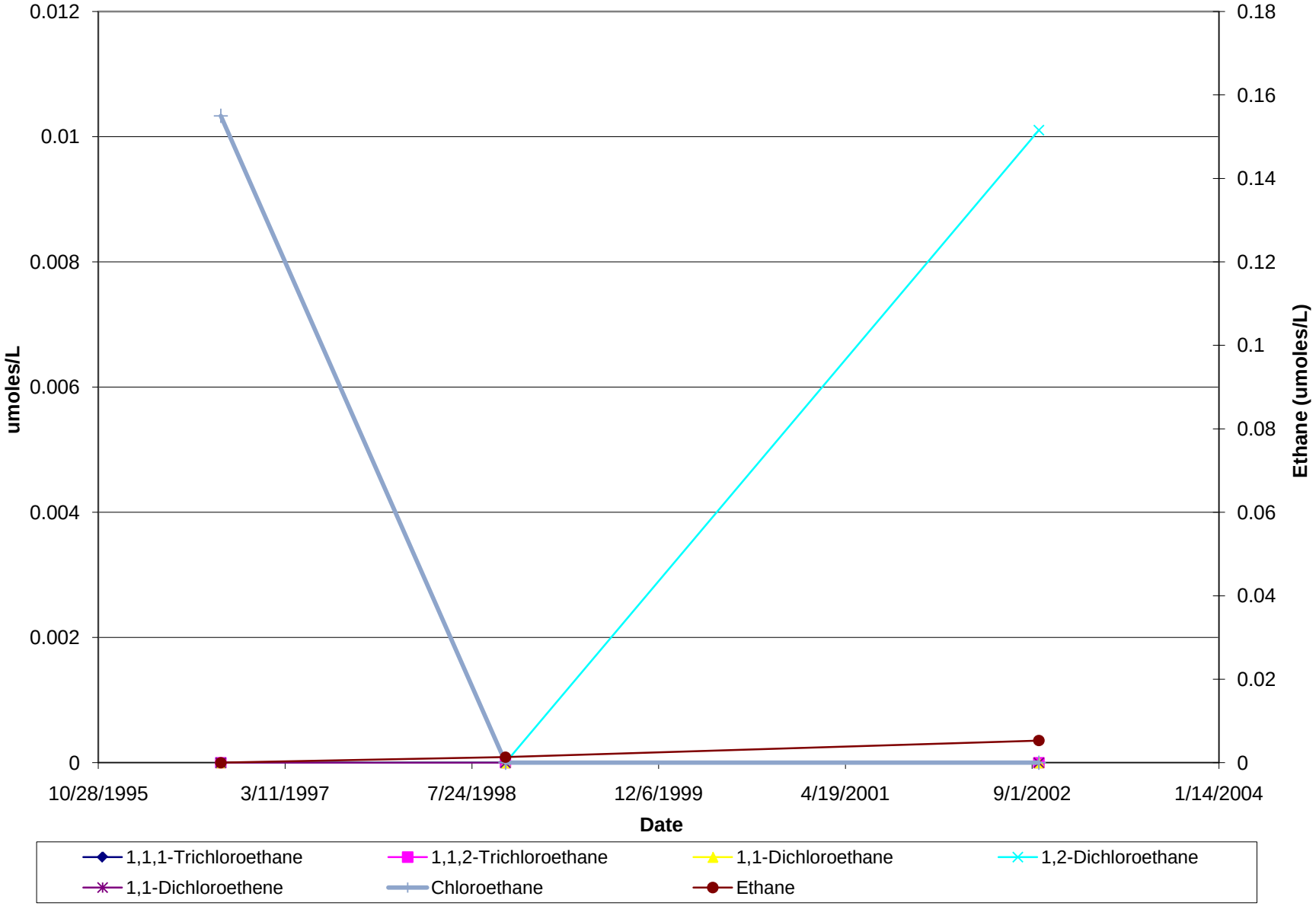
Data Record for Molar MW-8R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for Molar MW-10R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

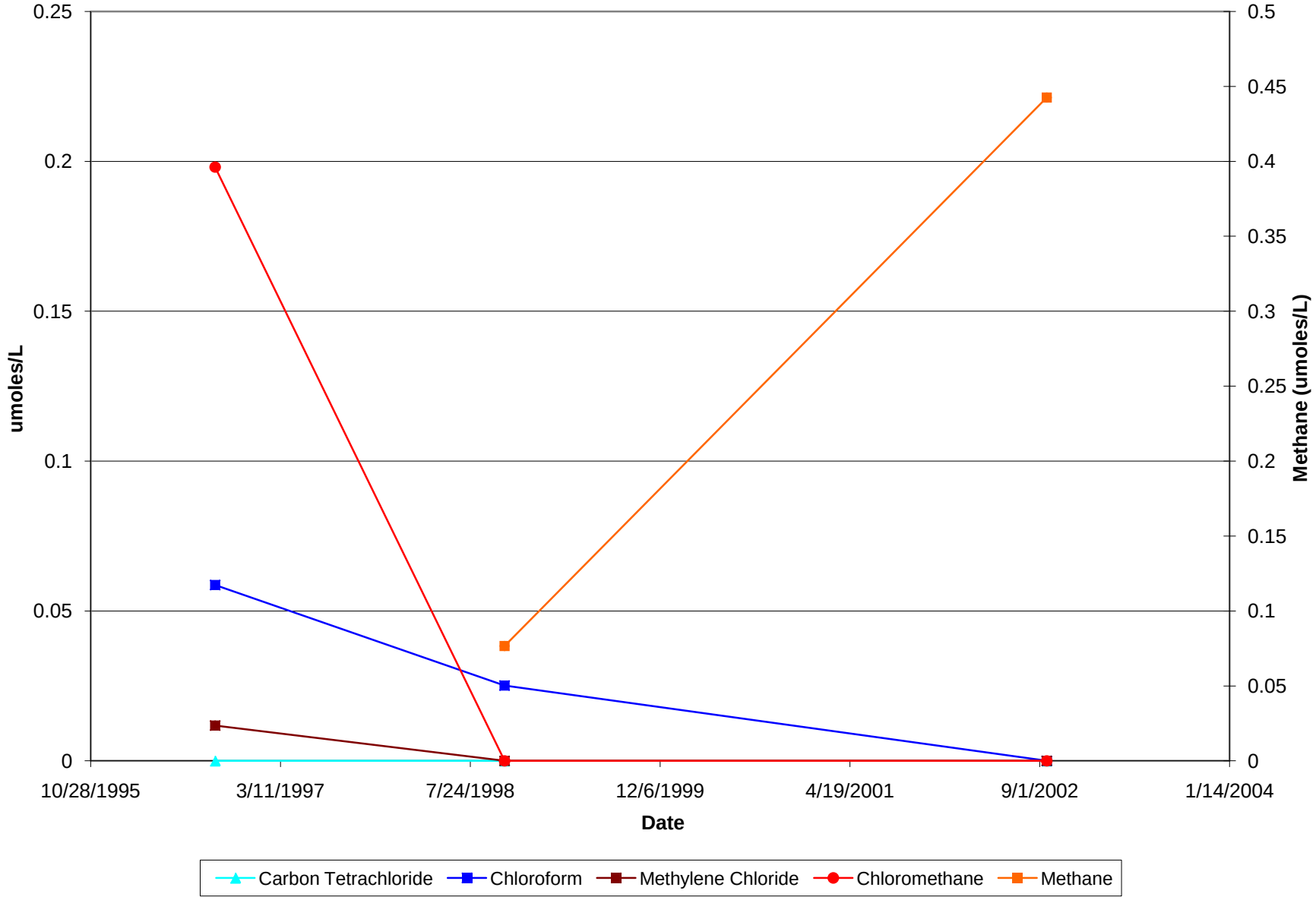


Data Record for Molar MW-10R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

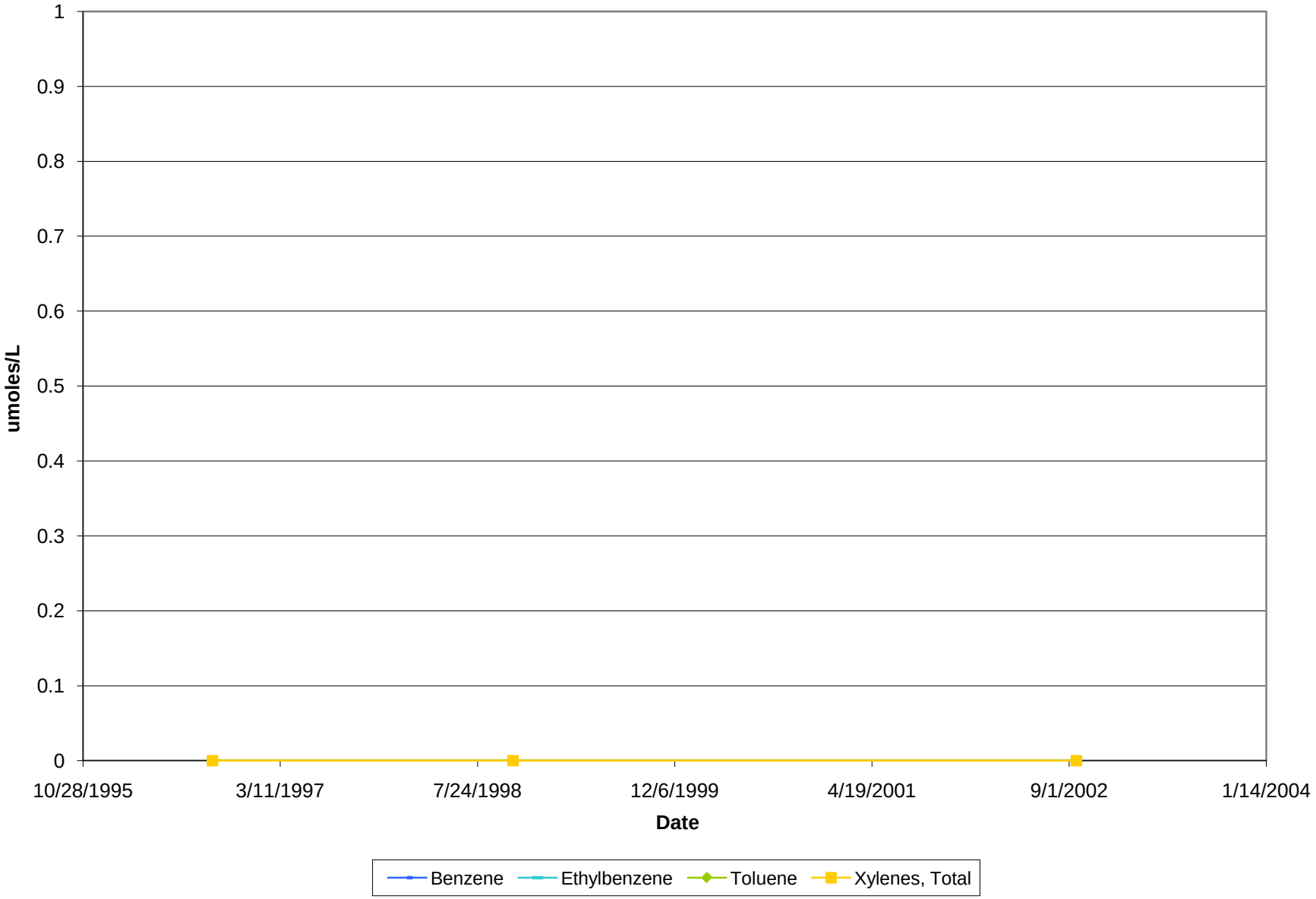


Golder Associates

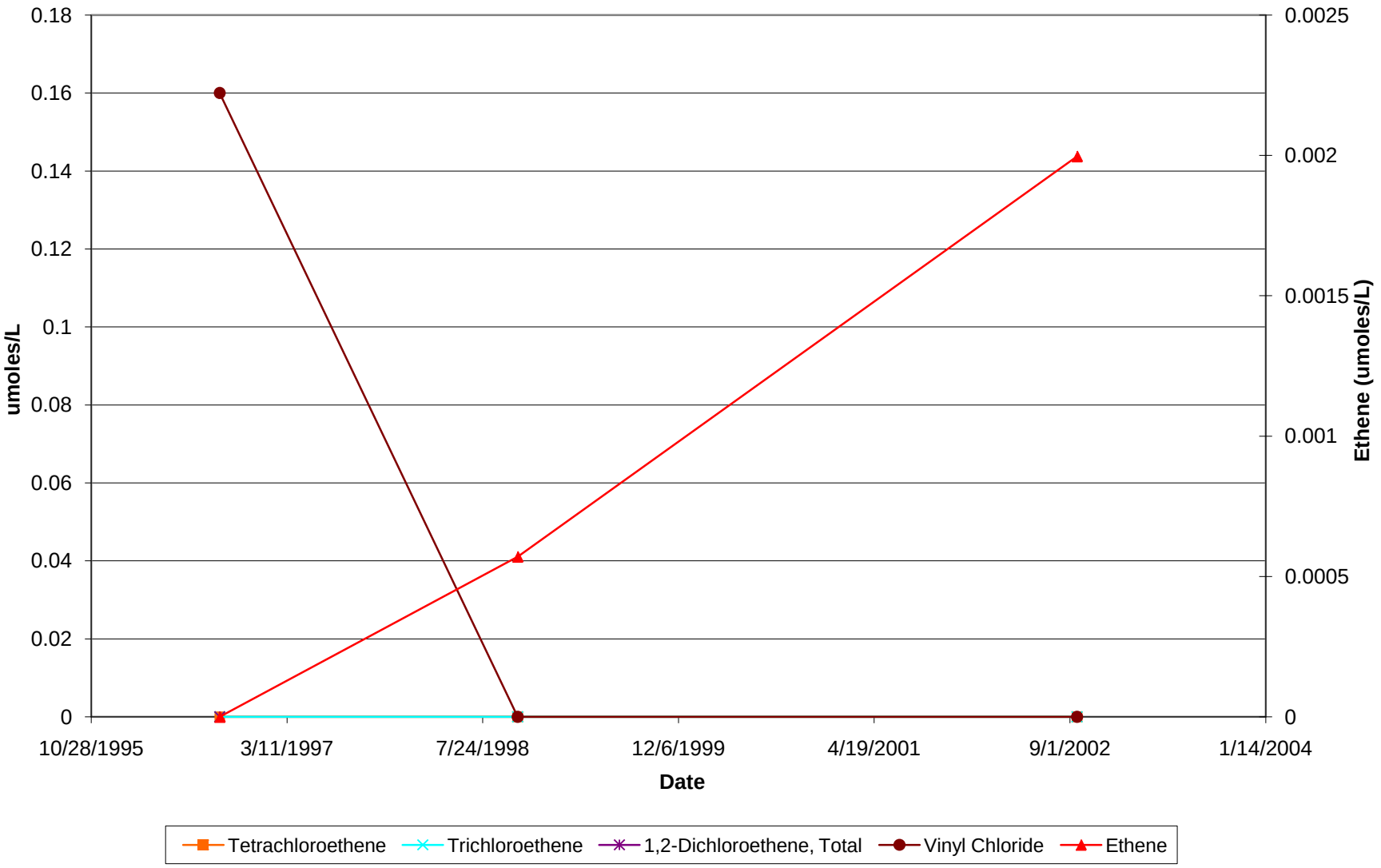
Data Record for Molar MW-10R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



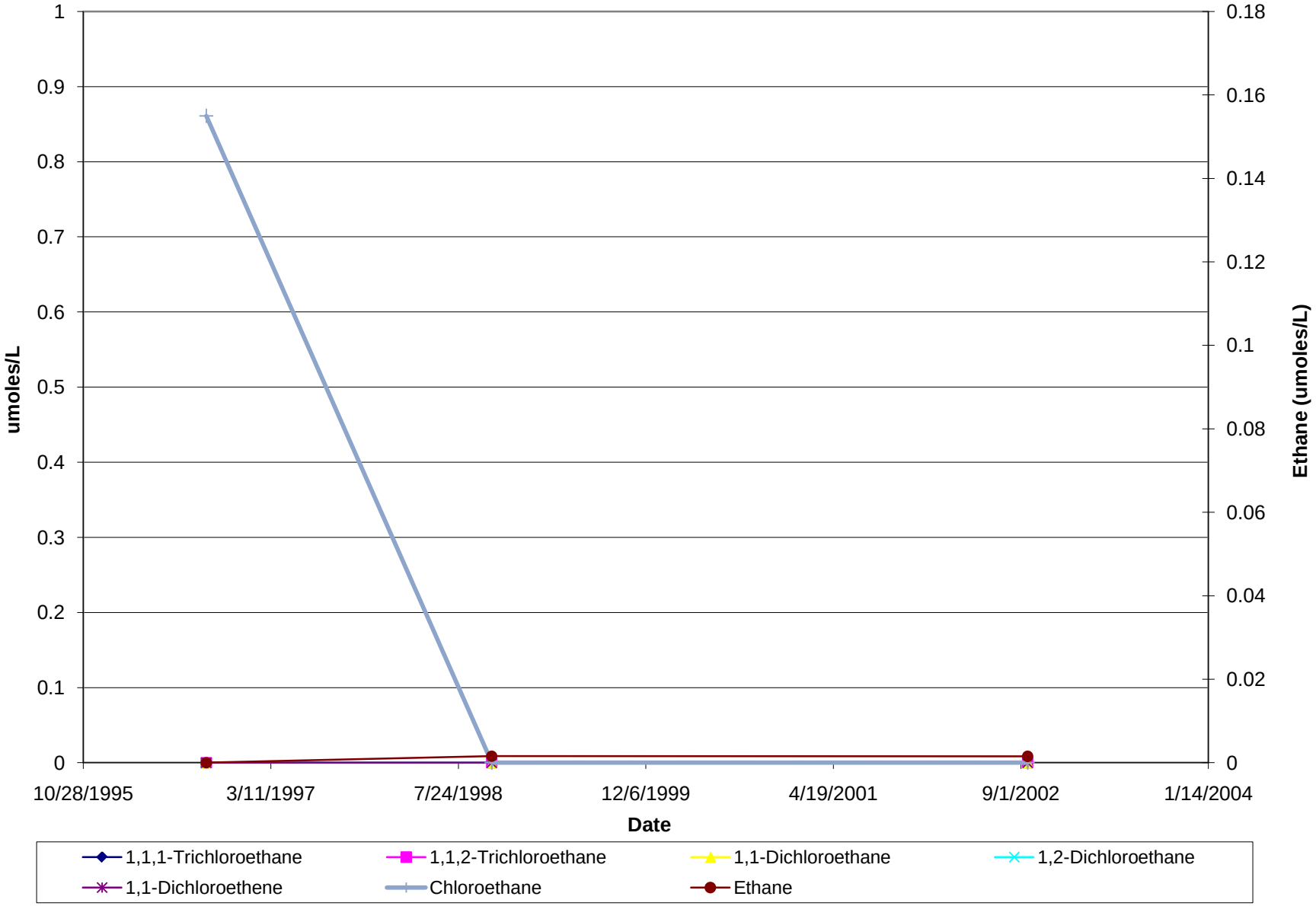
Data Record for Molar MW-10R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



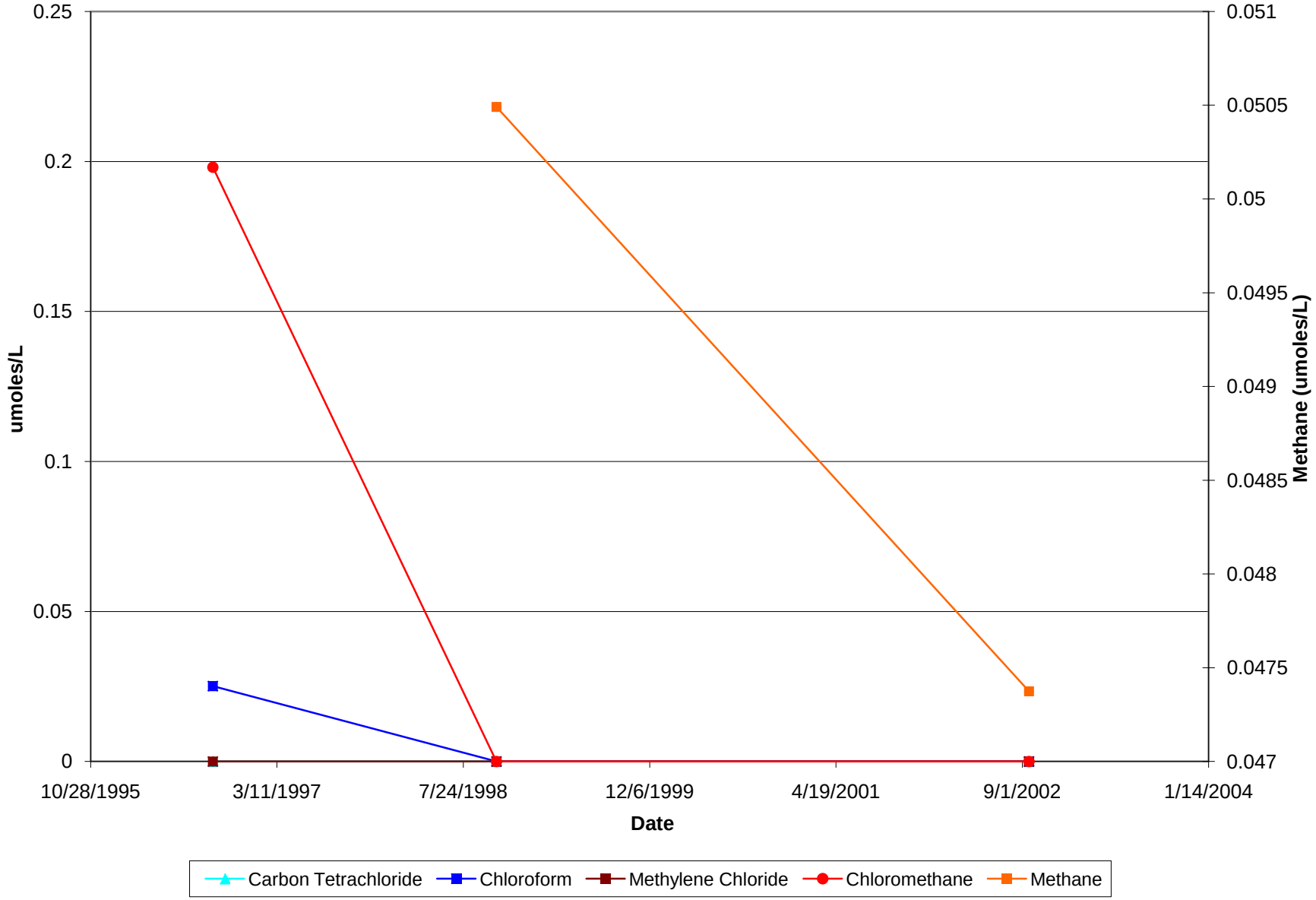
Data Record for Molar MW-10D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



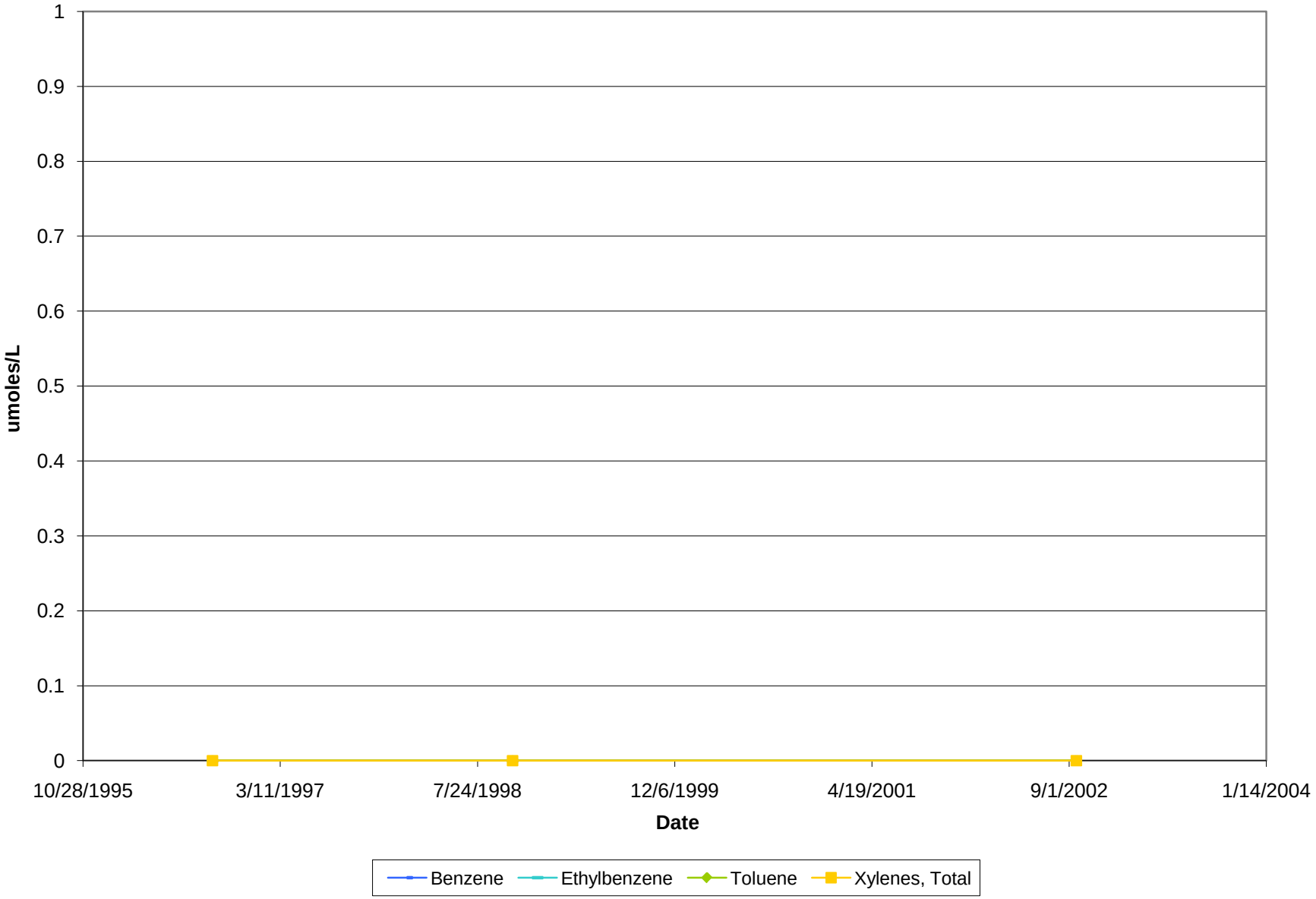
Data Record for Molar MW-10D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



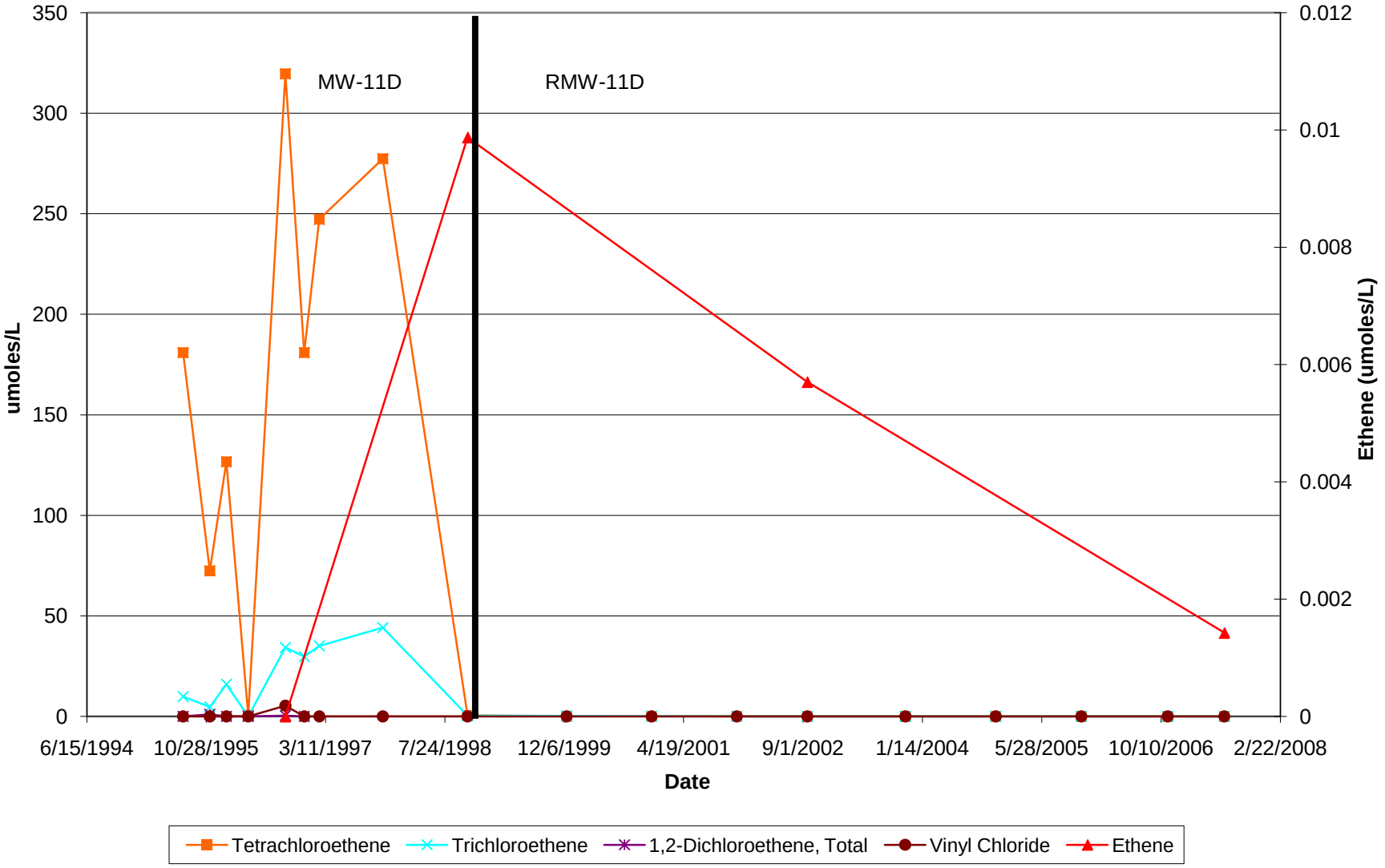
Data Record for Molar MW-10D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



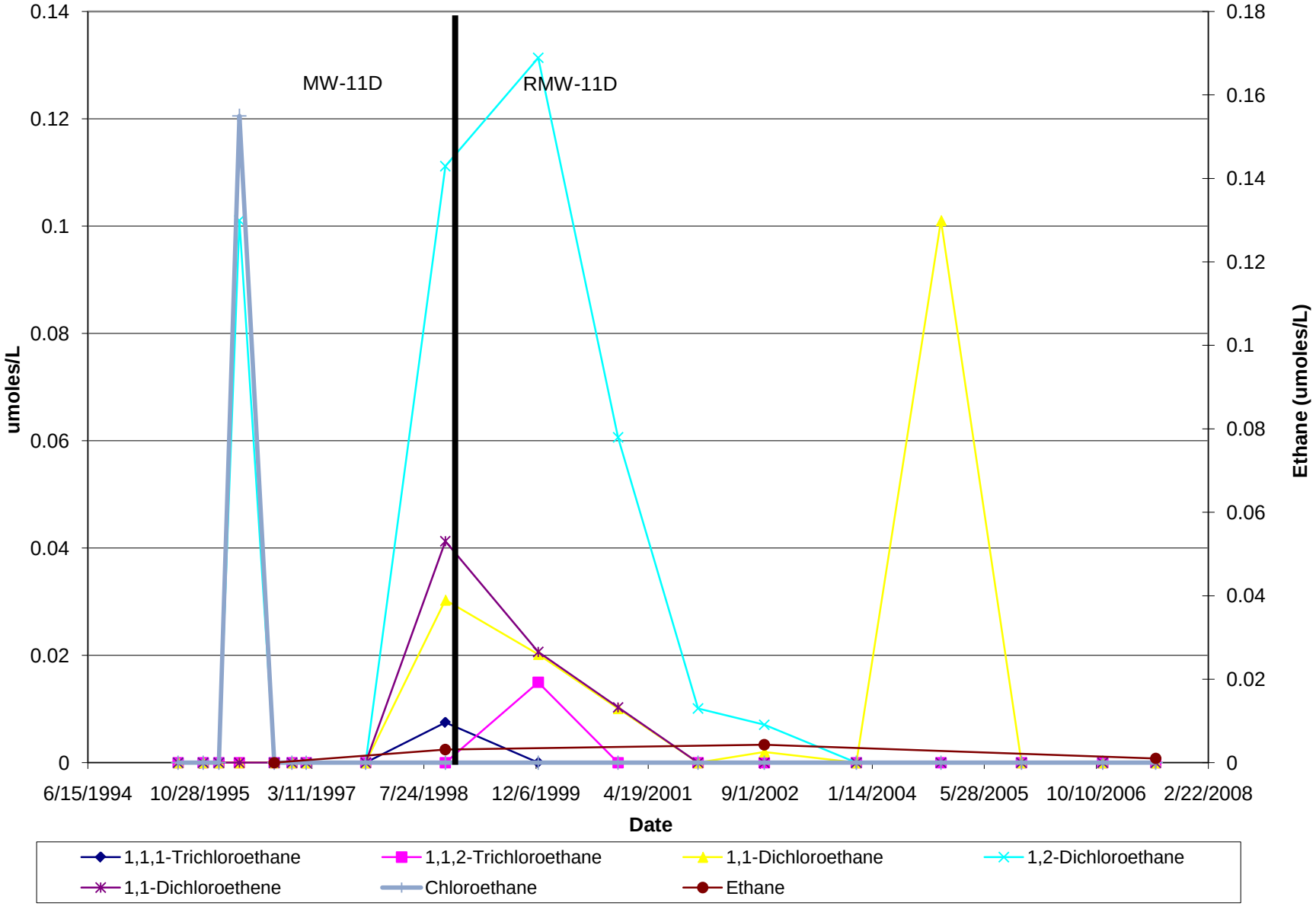
Data Record for Molar MW-10D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



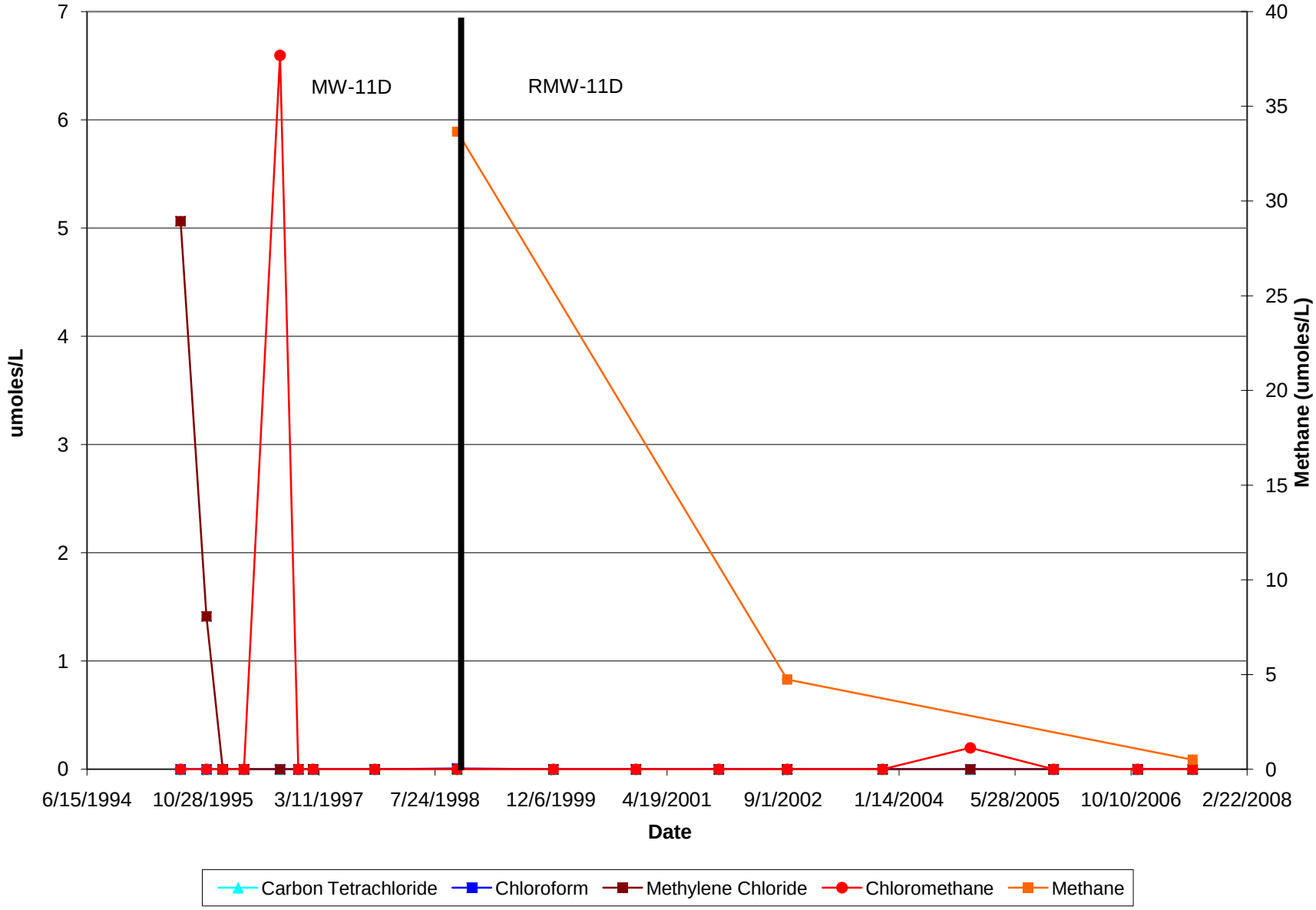
Data Record for Molar RMW-11D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



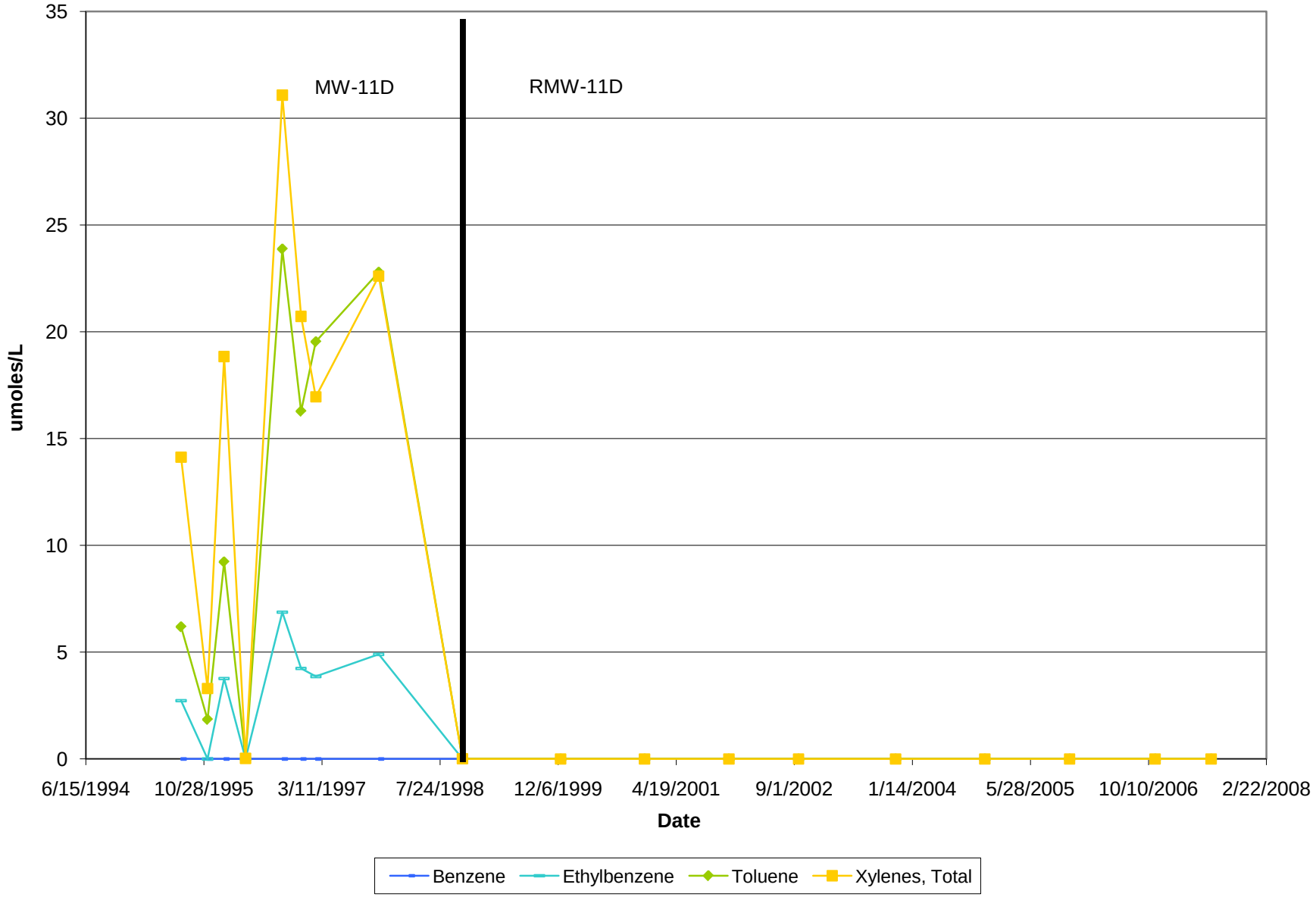
Data Record for Molar RMW-11D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



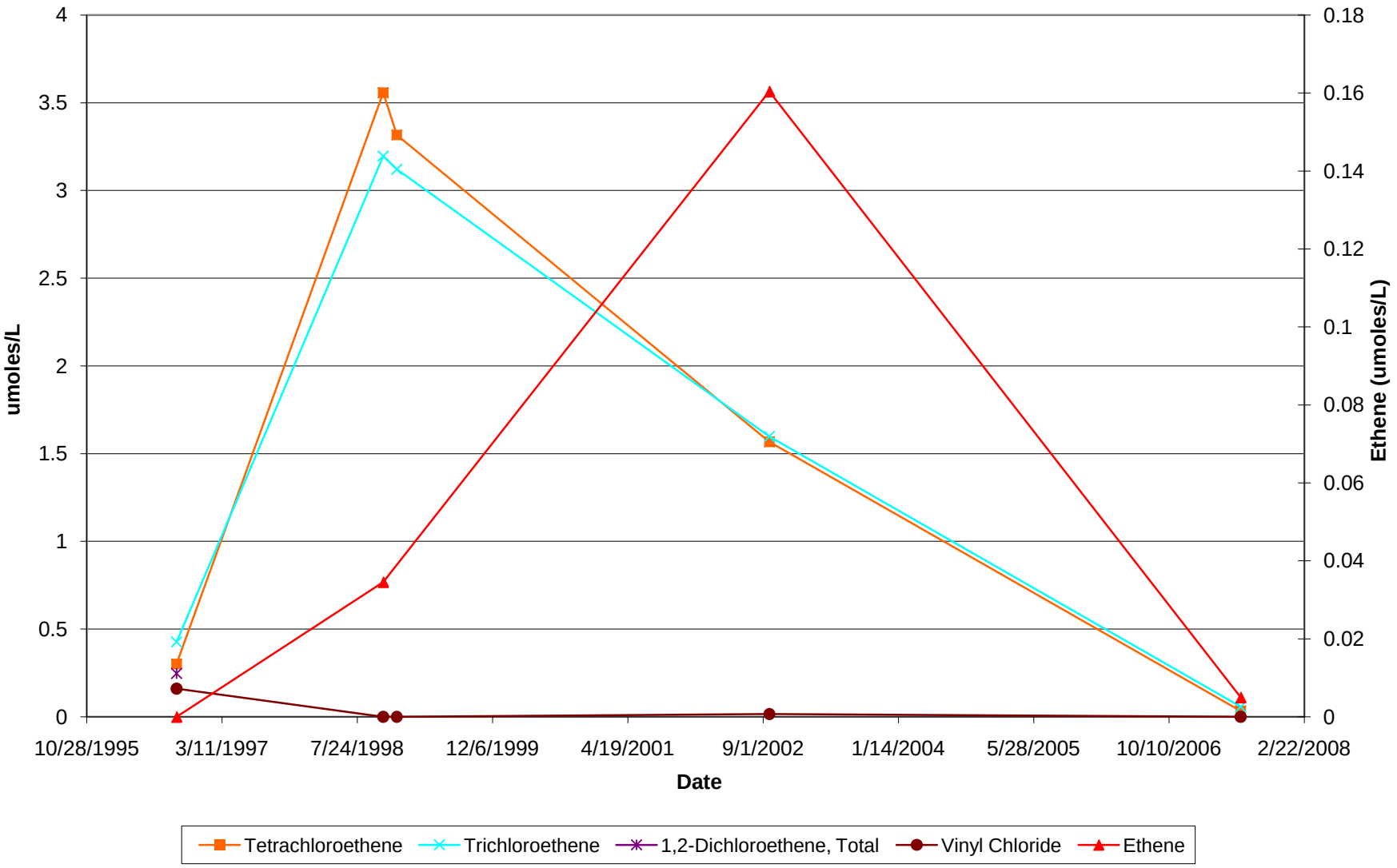
Data Record for Molar RMW-11D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



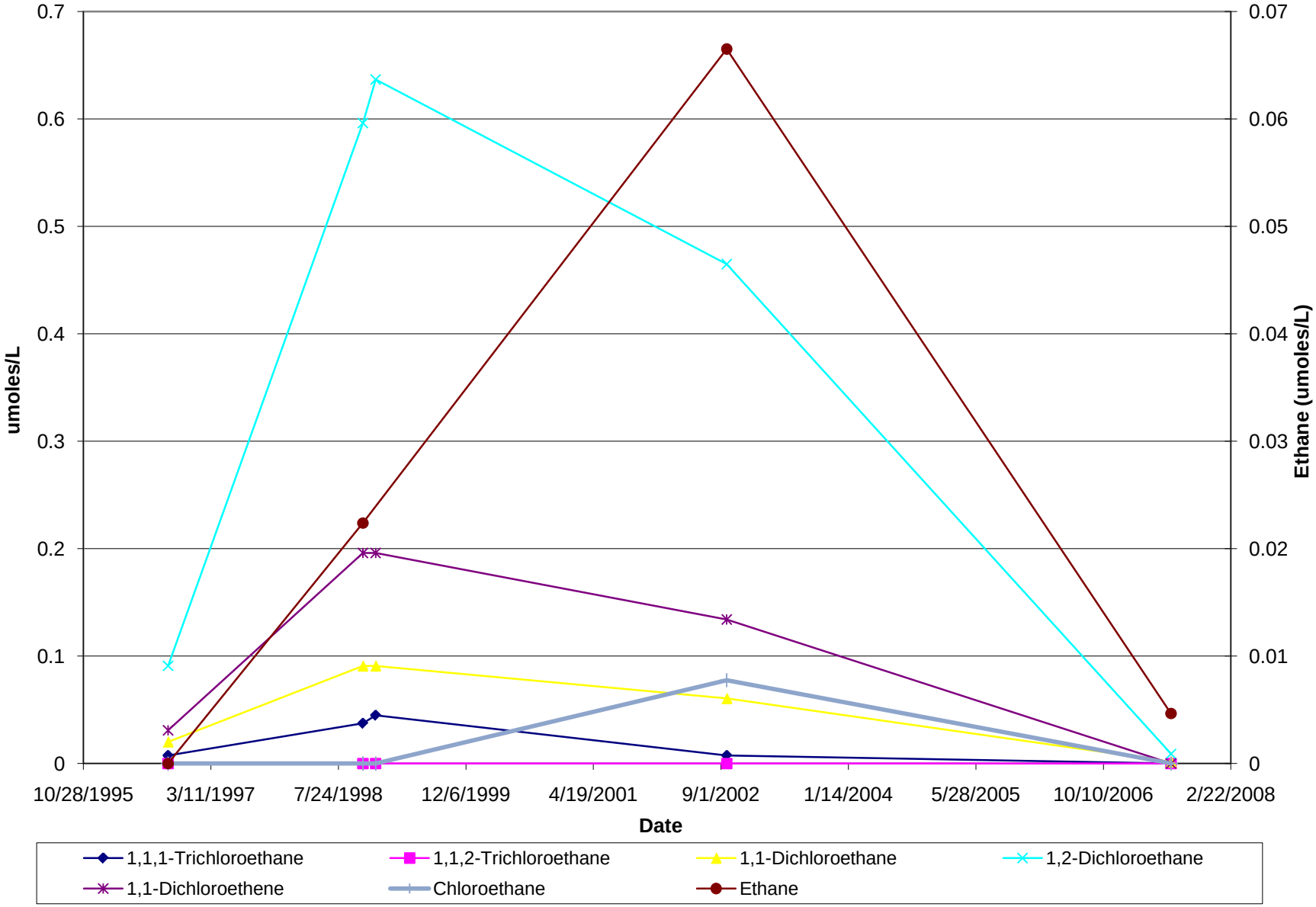
Data Record for Molar RMW-11D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



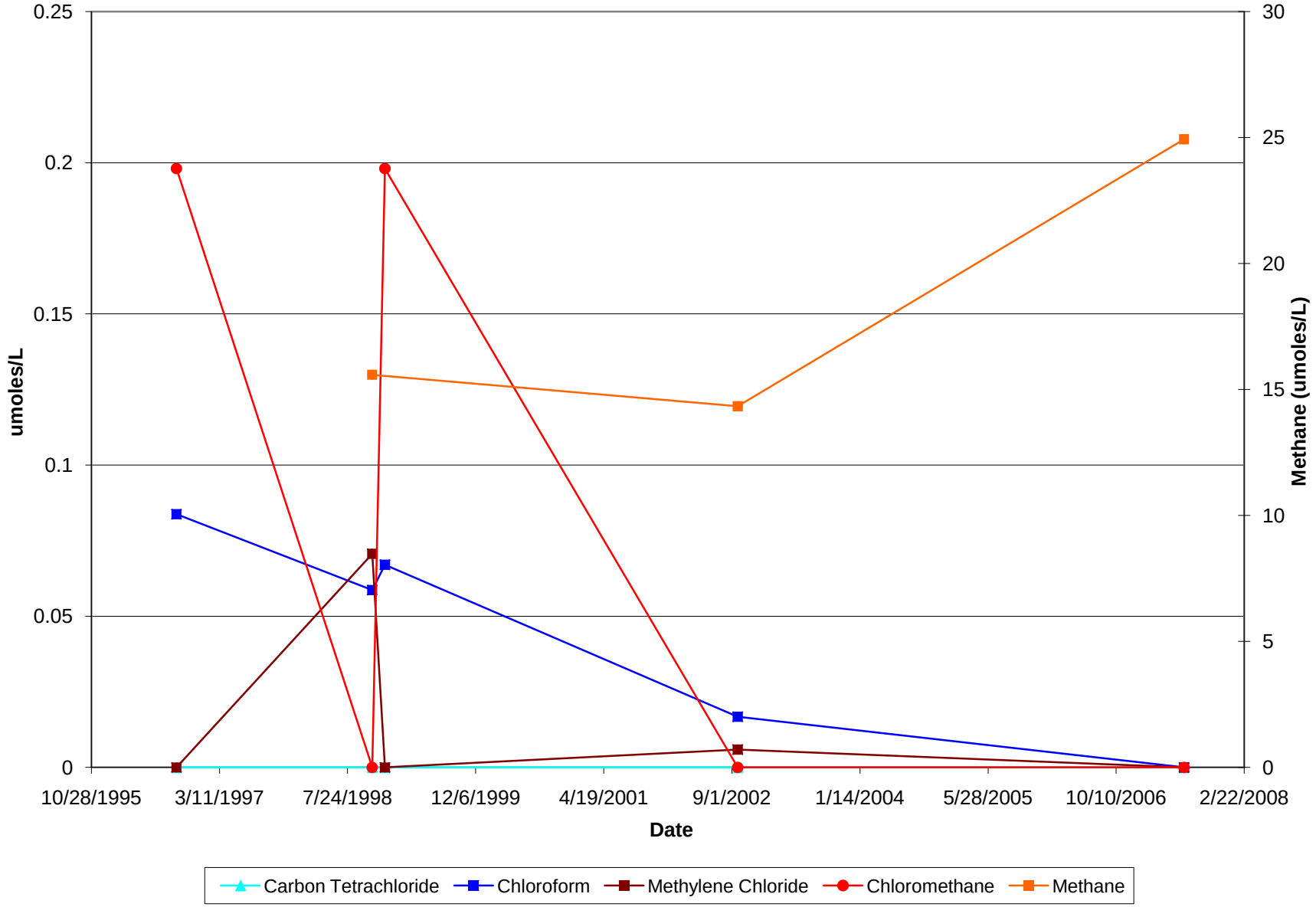
Data Record for Molar MW-11R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



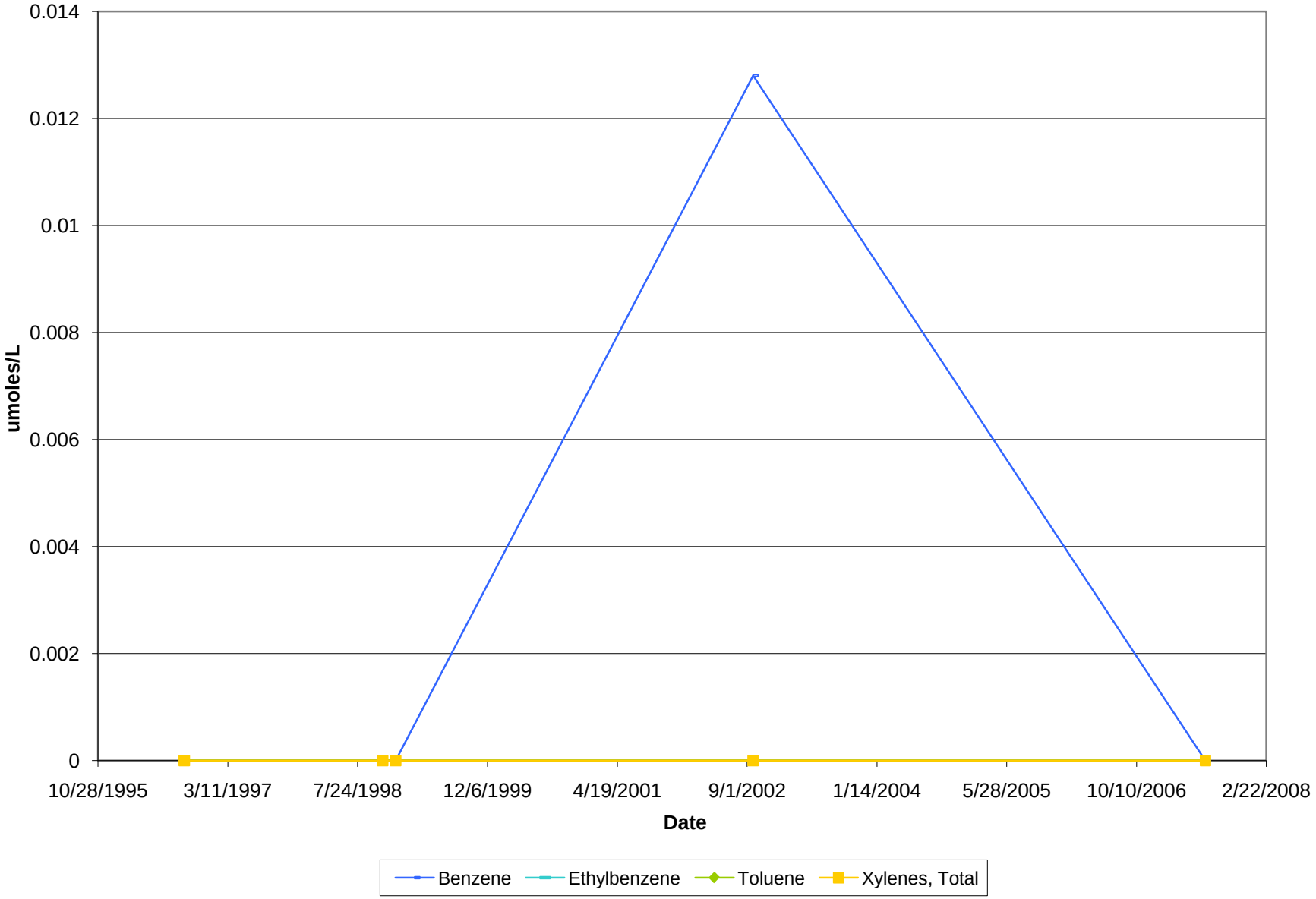
Data Record for Molar MW-11R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



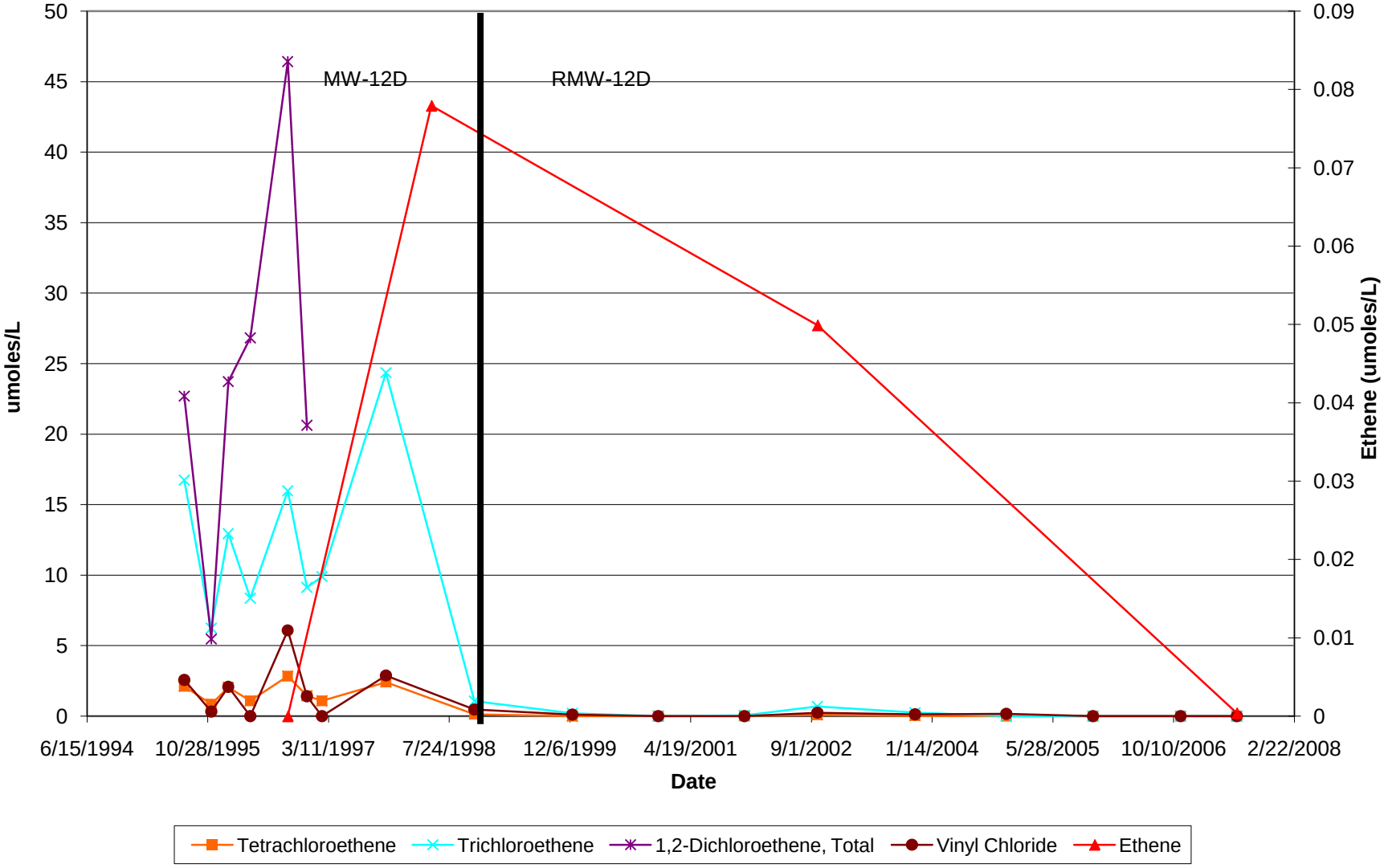
Data Record for Molar MW-11R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



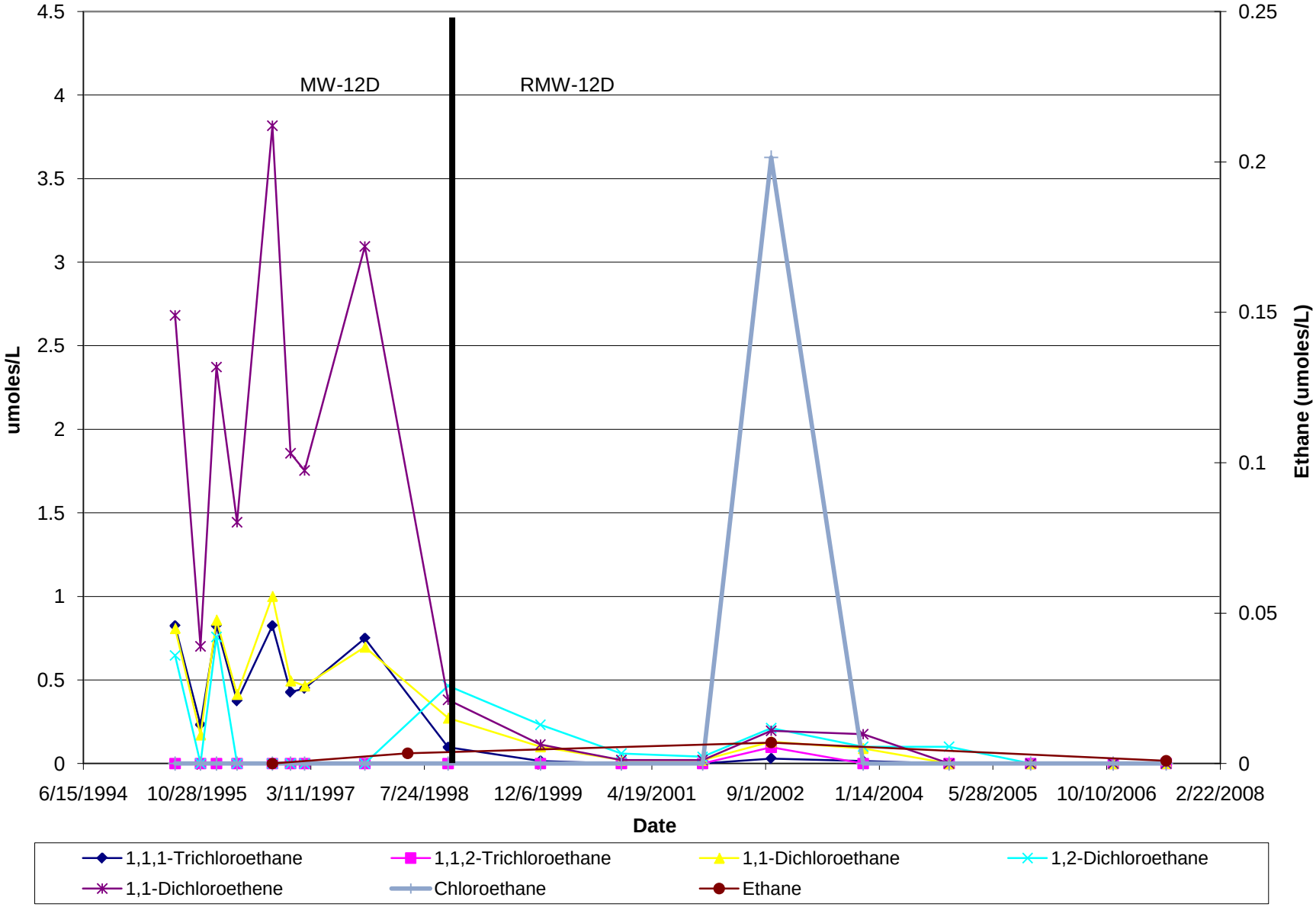
Data Record for Molar MW-11R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for Molar RMW-12D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

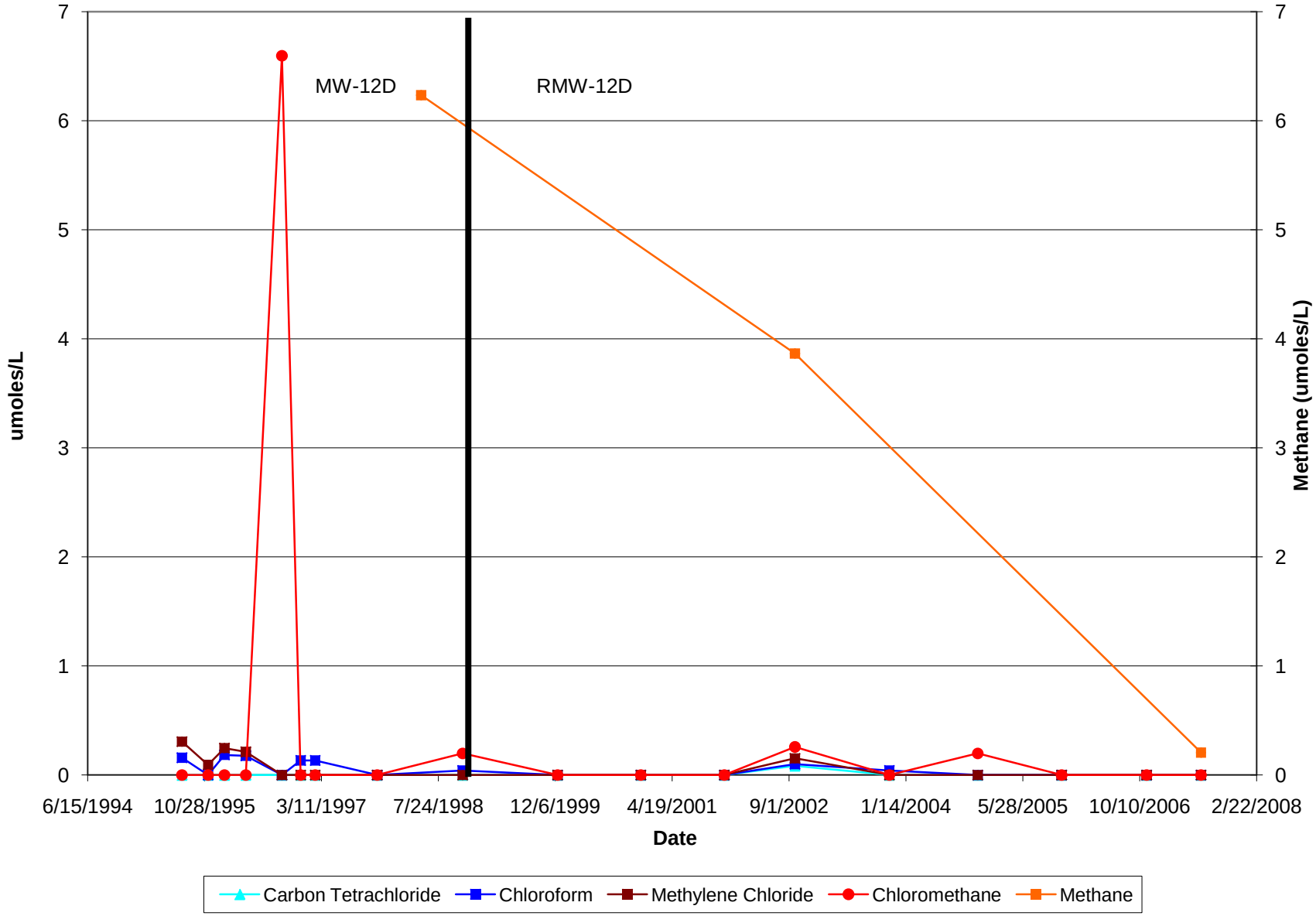


Data Record for Molar RMW-12D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

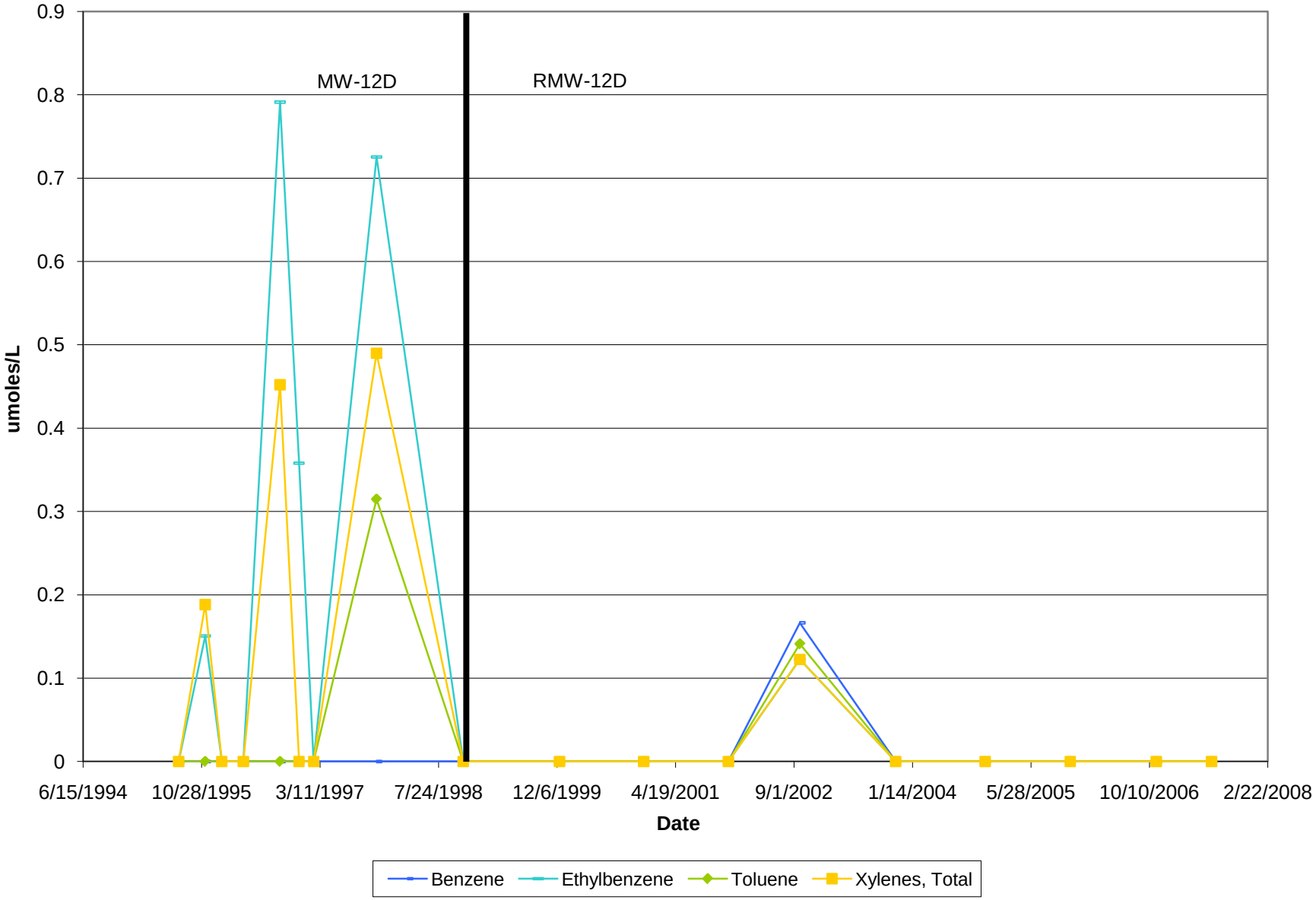


Golder Associates

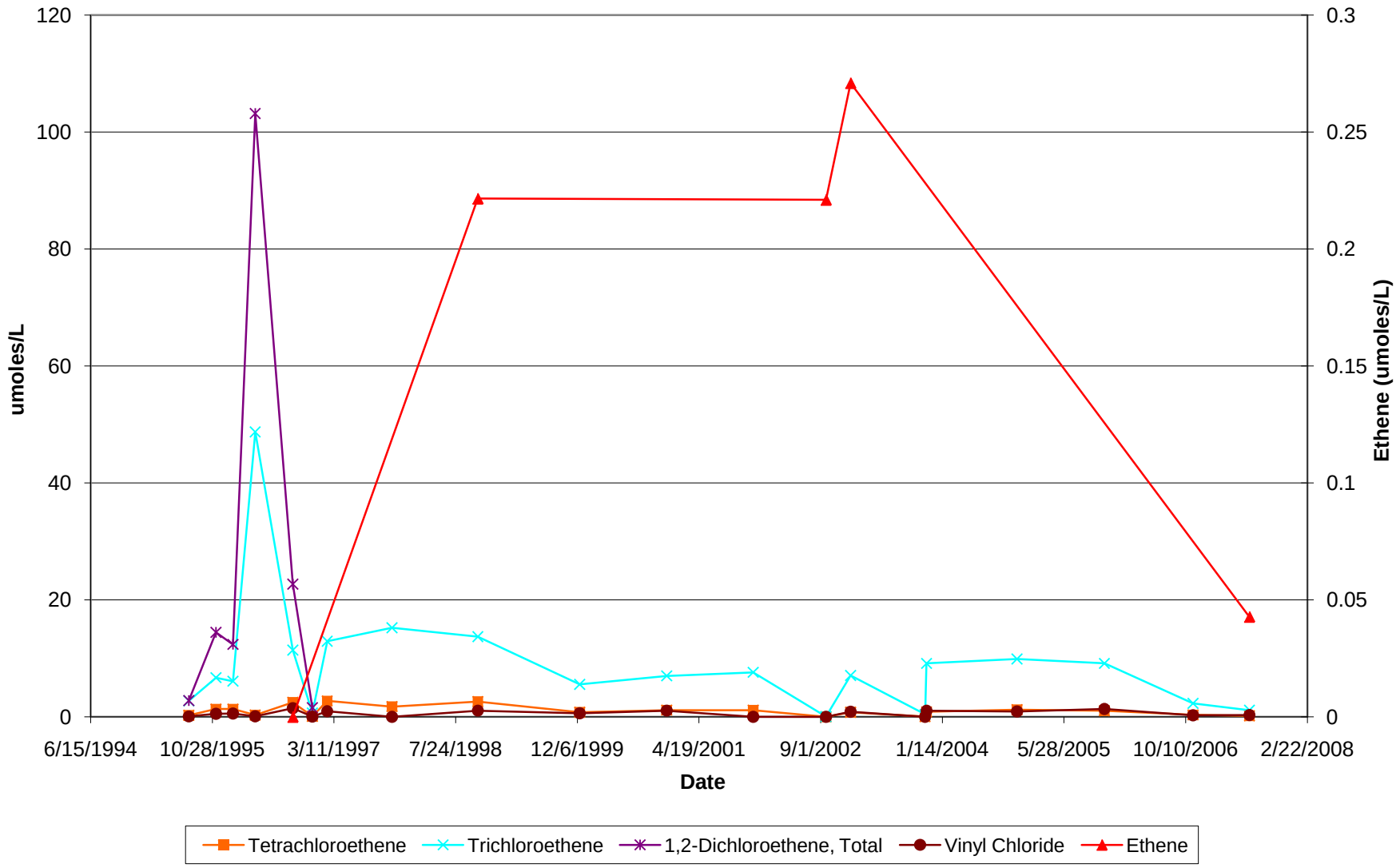
Data Record for Molar RMW-12D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



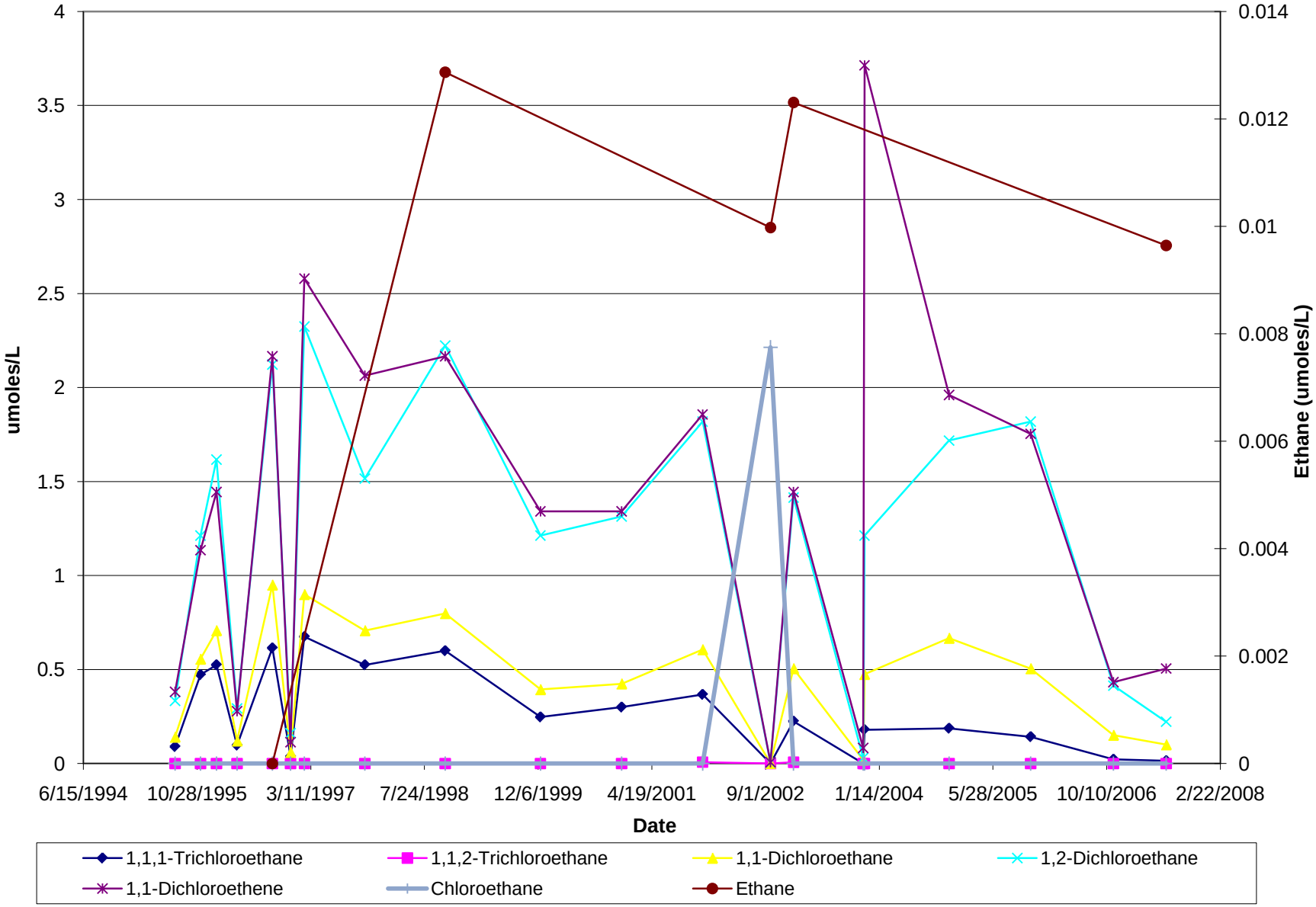
Data Record for Molar RMW-12D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



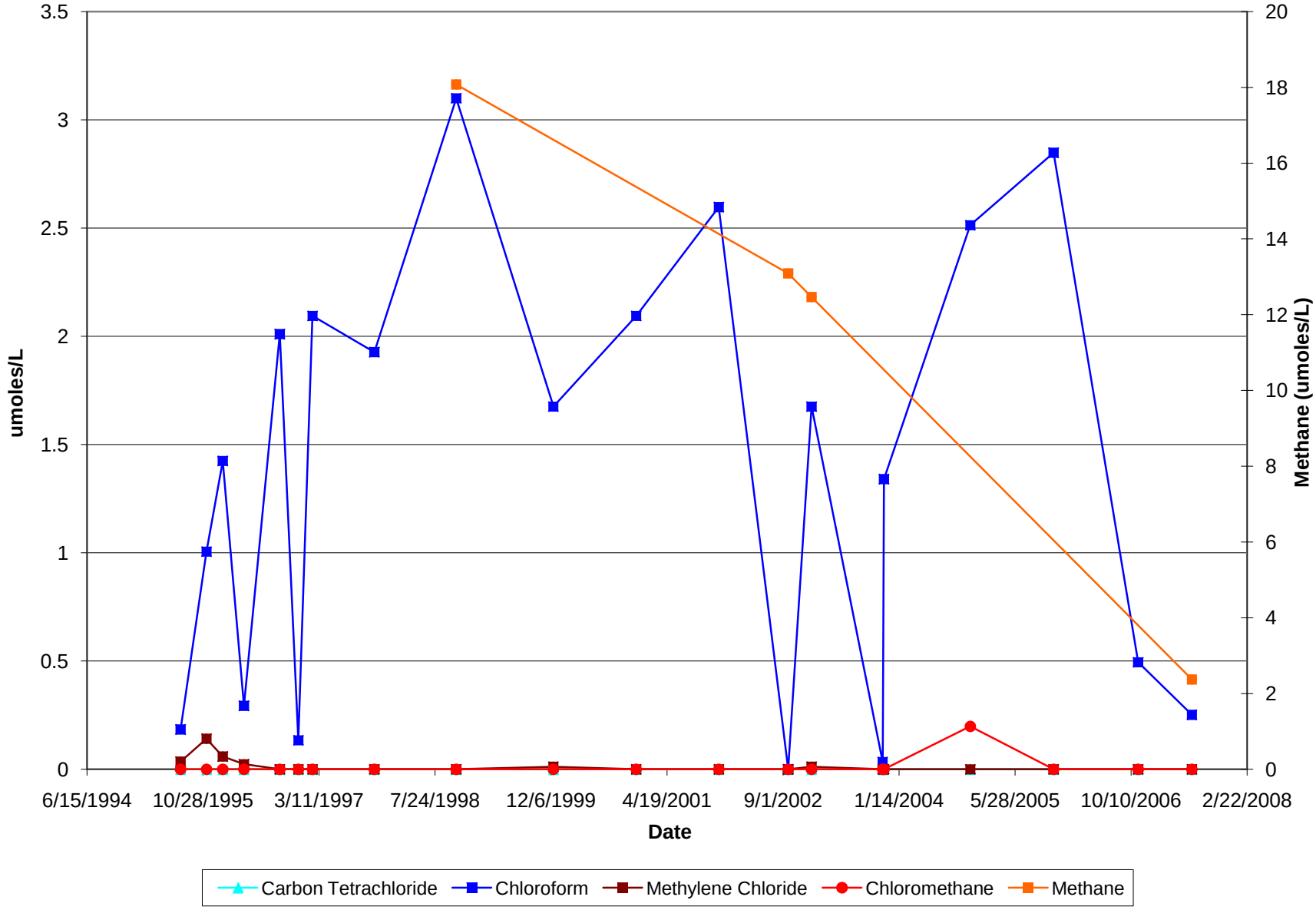
Data Record for Molar RMW-13D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



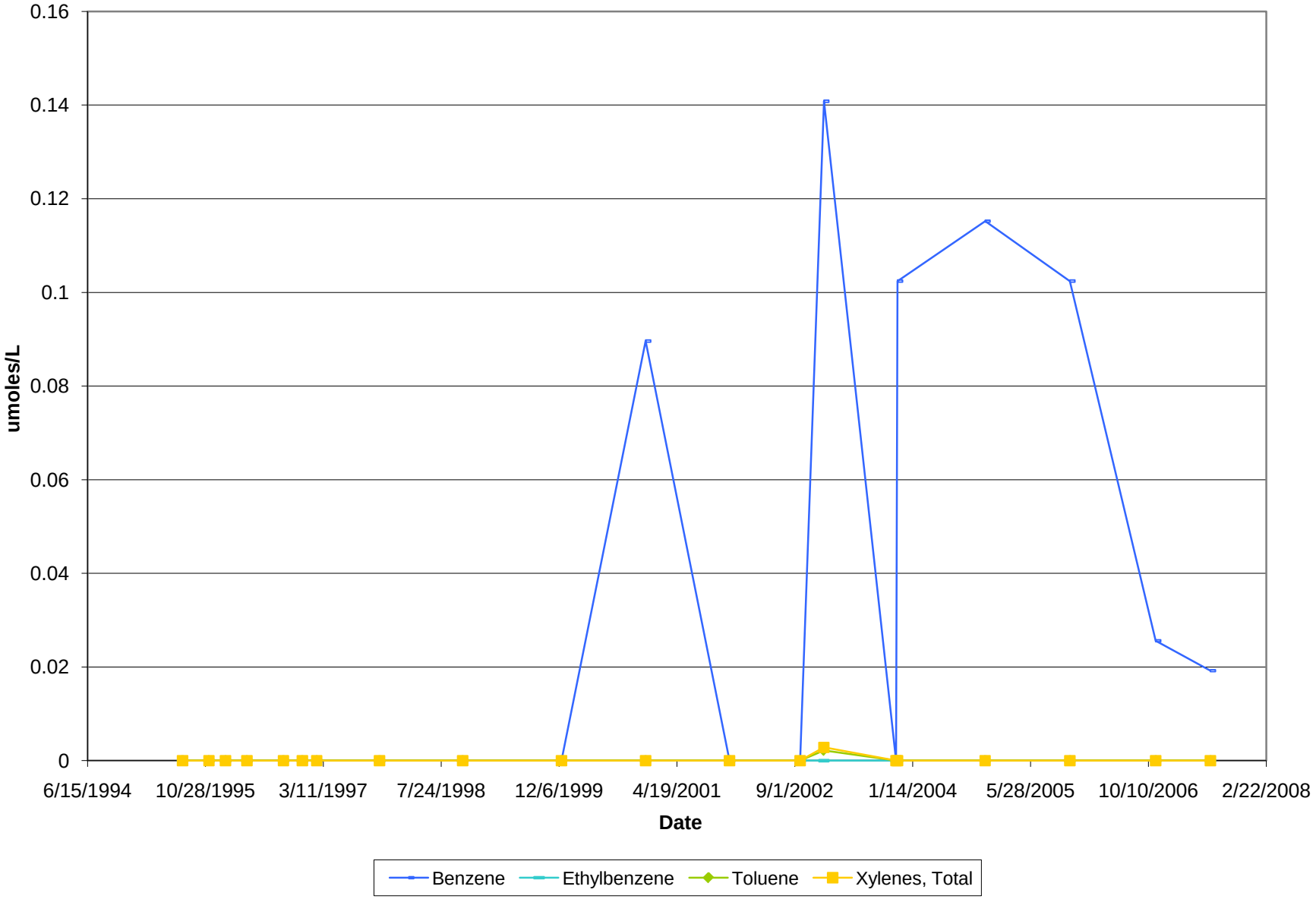
Data Record for Molar RMW-13D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



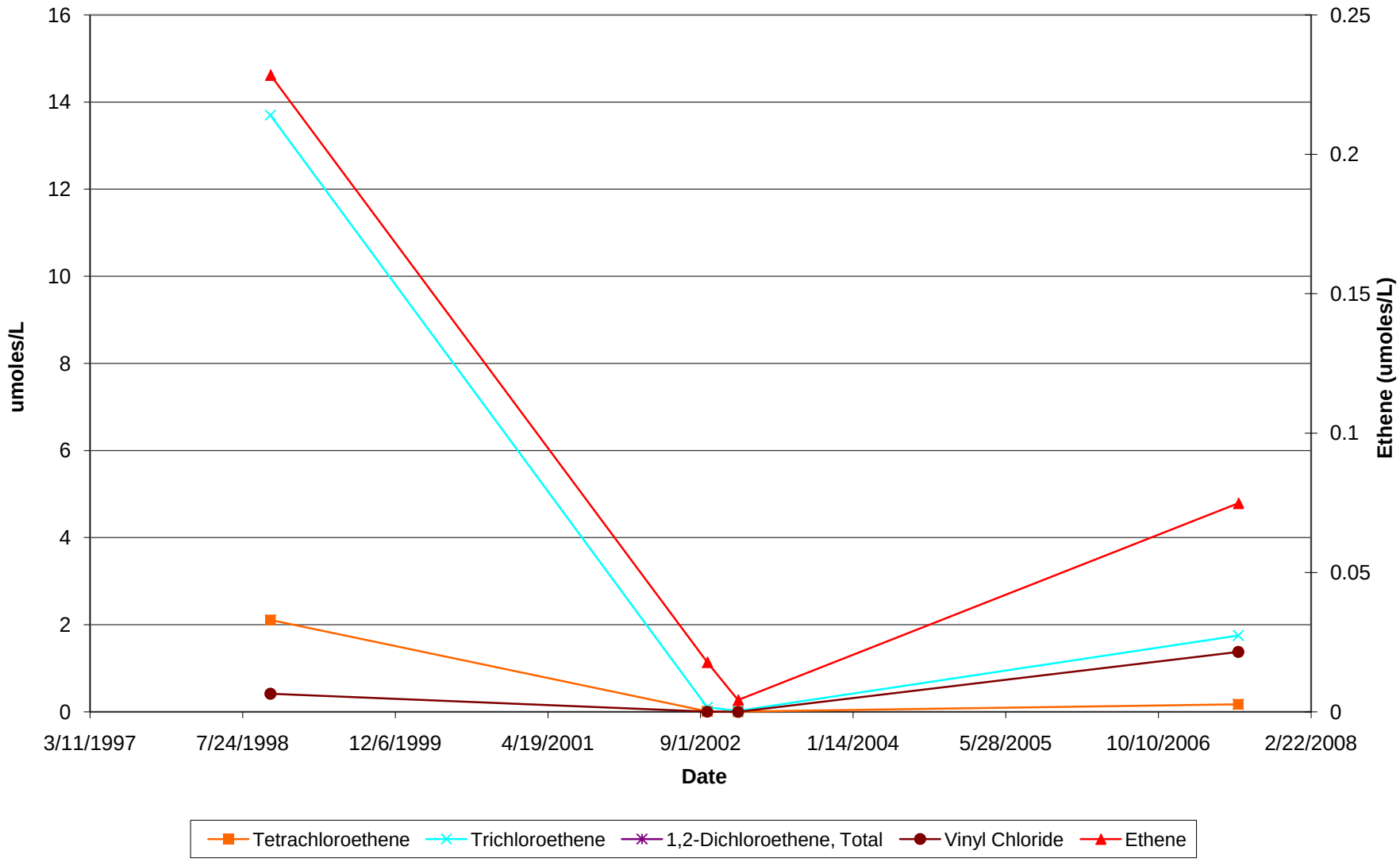
Data Record for Molar RMW-13D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



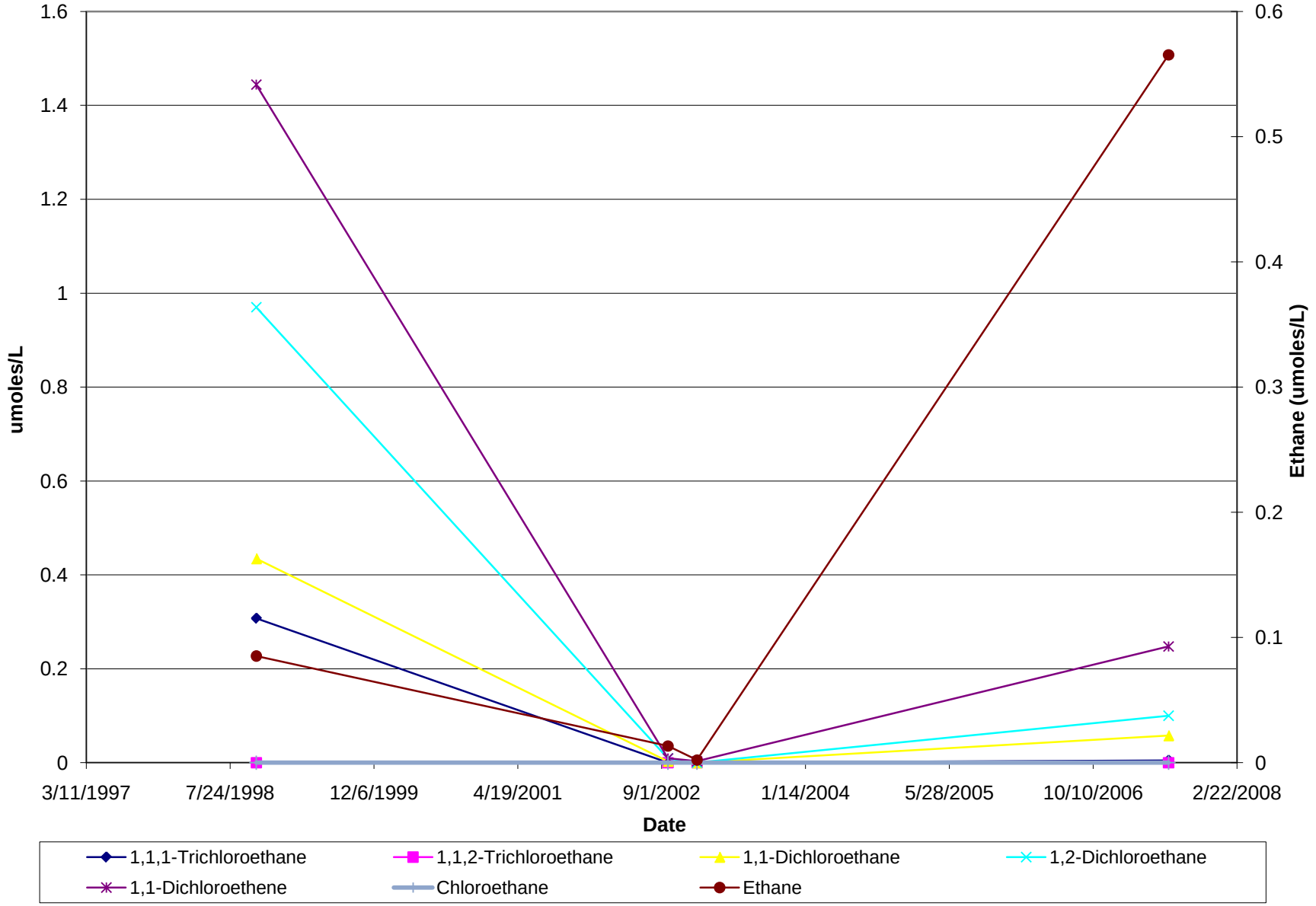
Data Record for Molar RMW-13D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



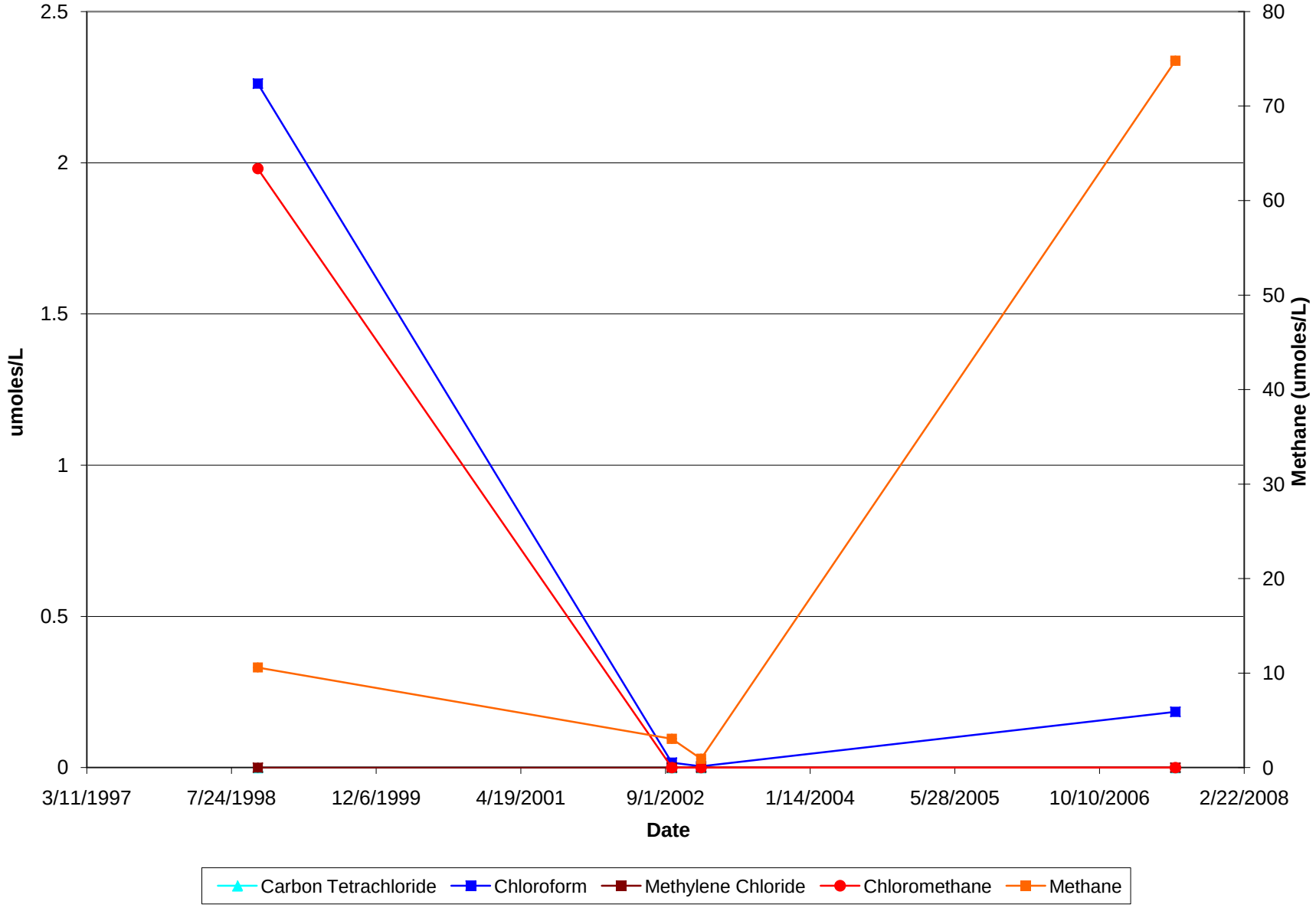
Data Record for Molar MW-13R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



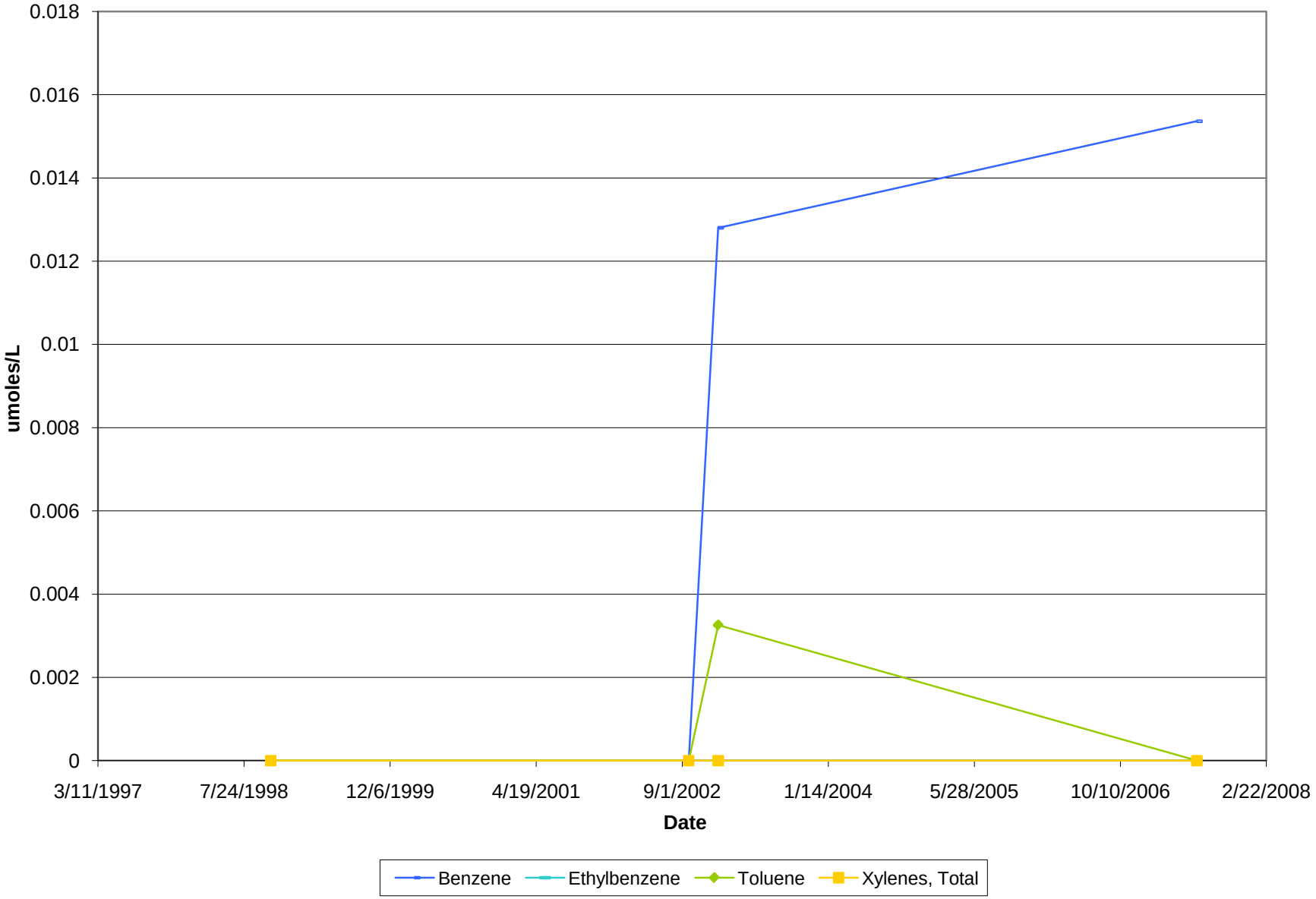
Data Record for Molar MW-13R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



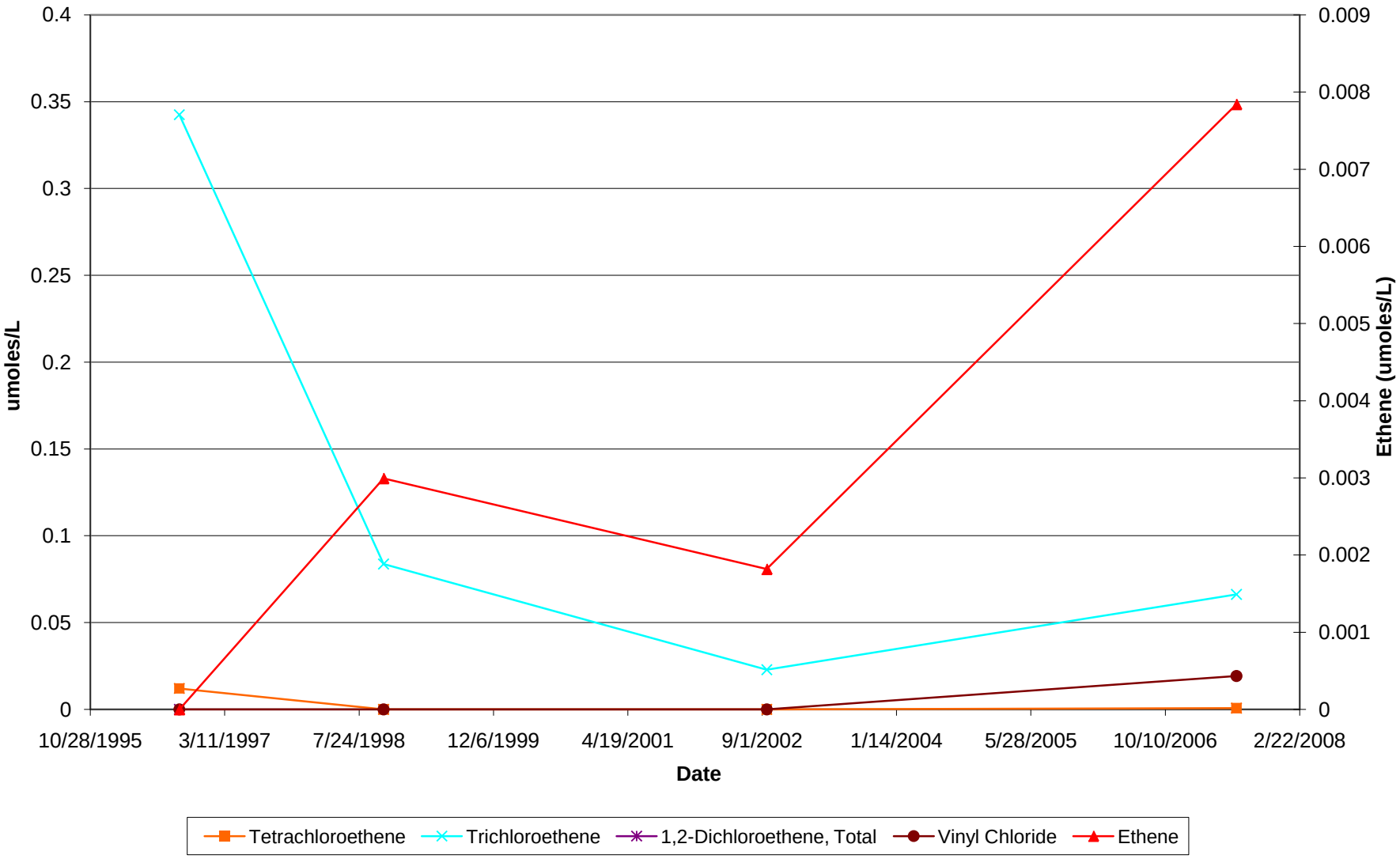
Data Record for Molar MW-13R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



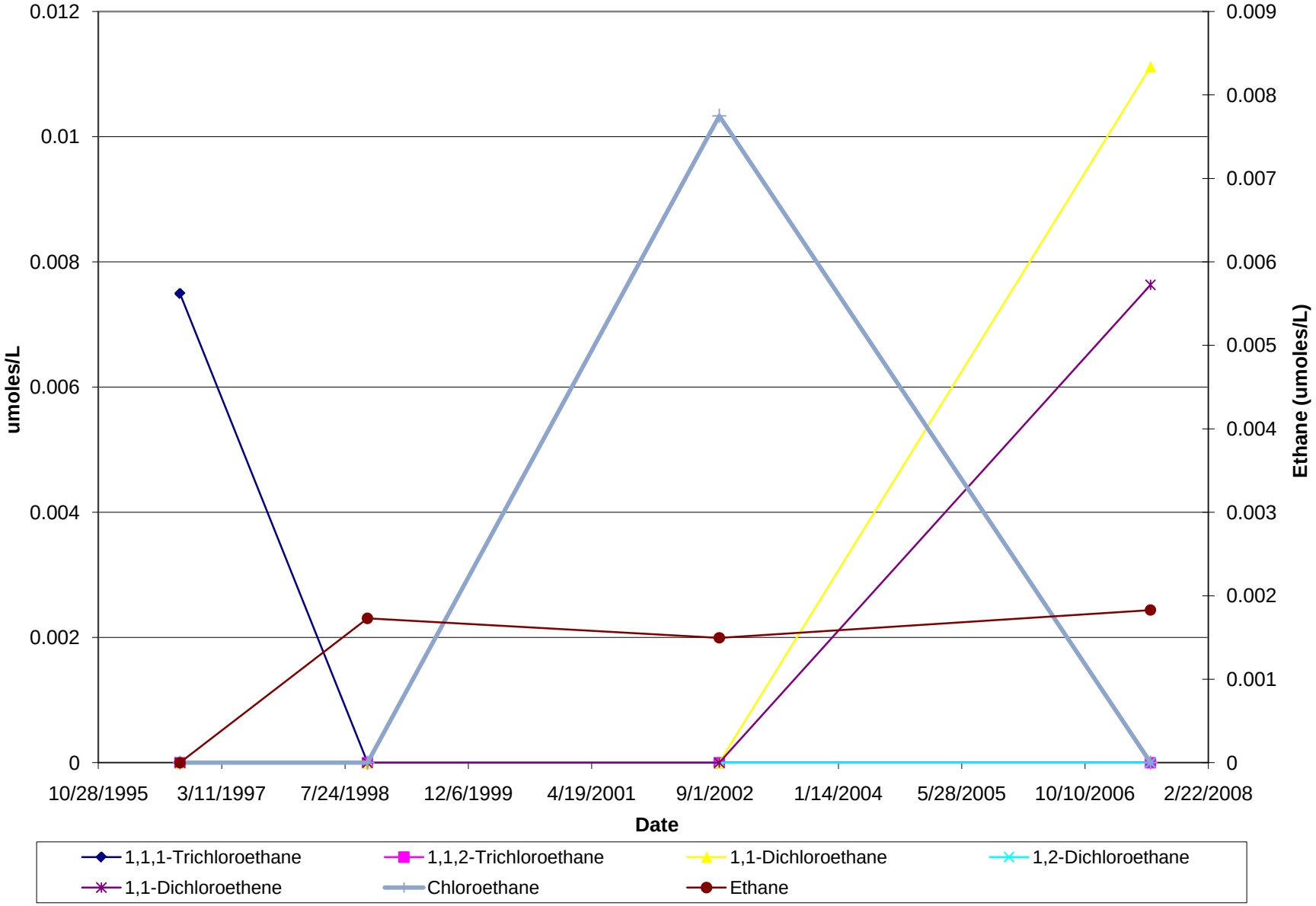
Data Record for Molar MW-13R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



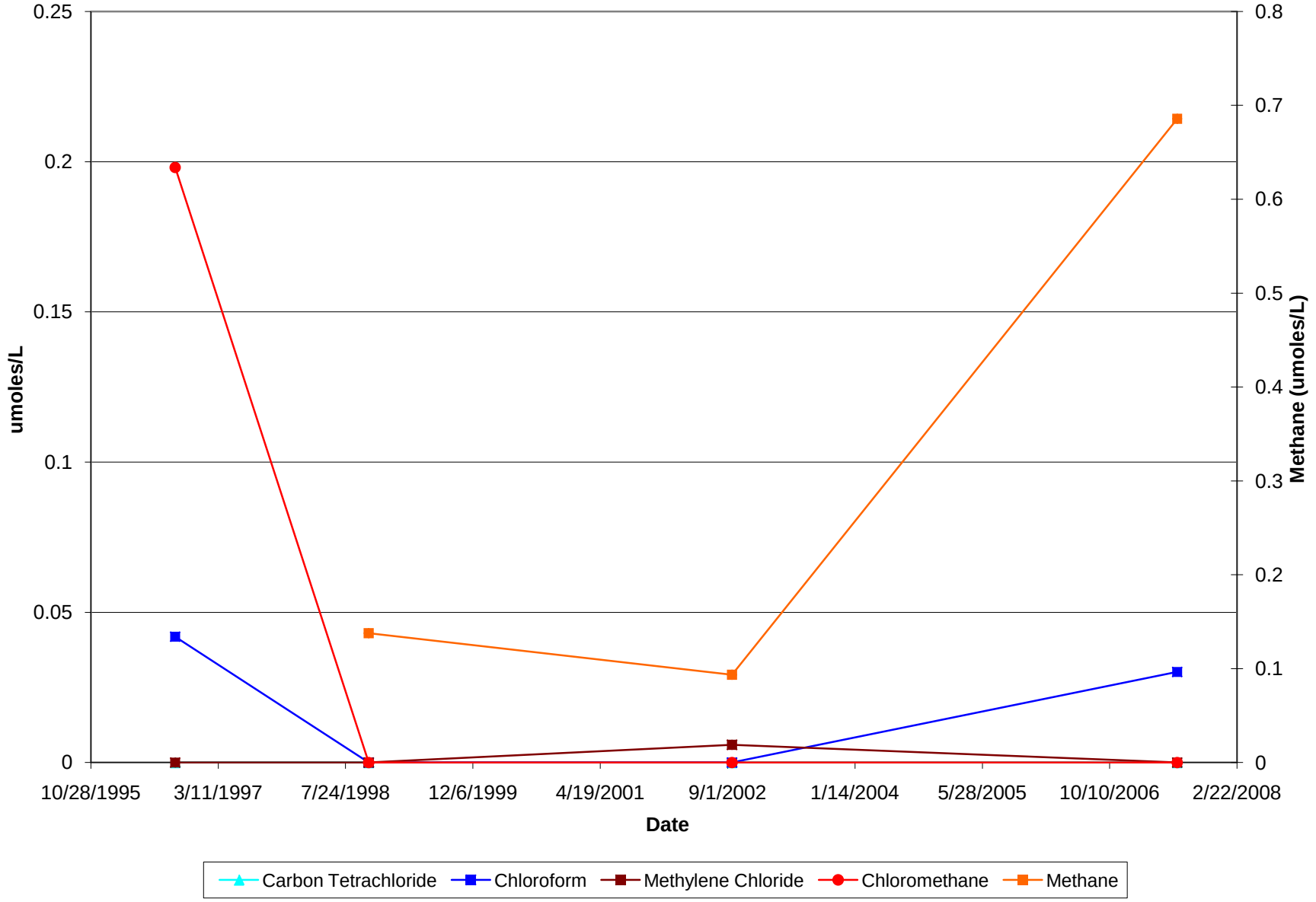
Data Record for Molar MW-14D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



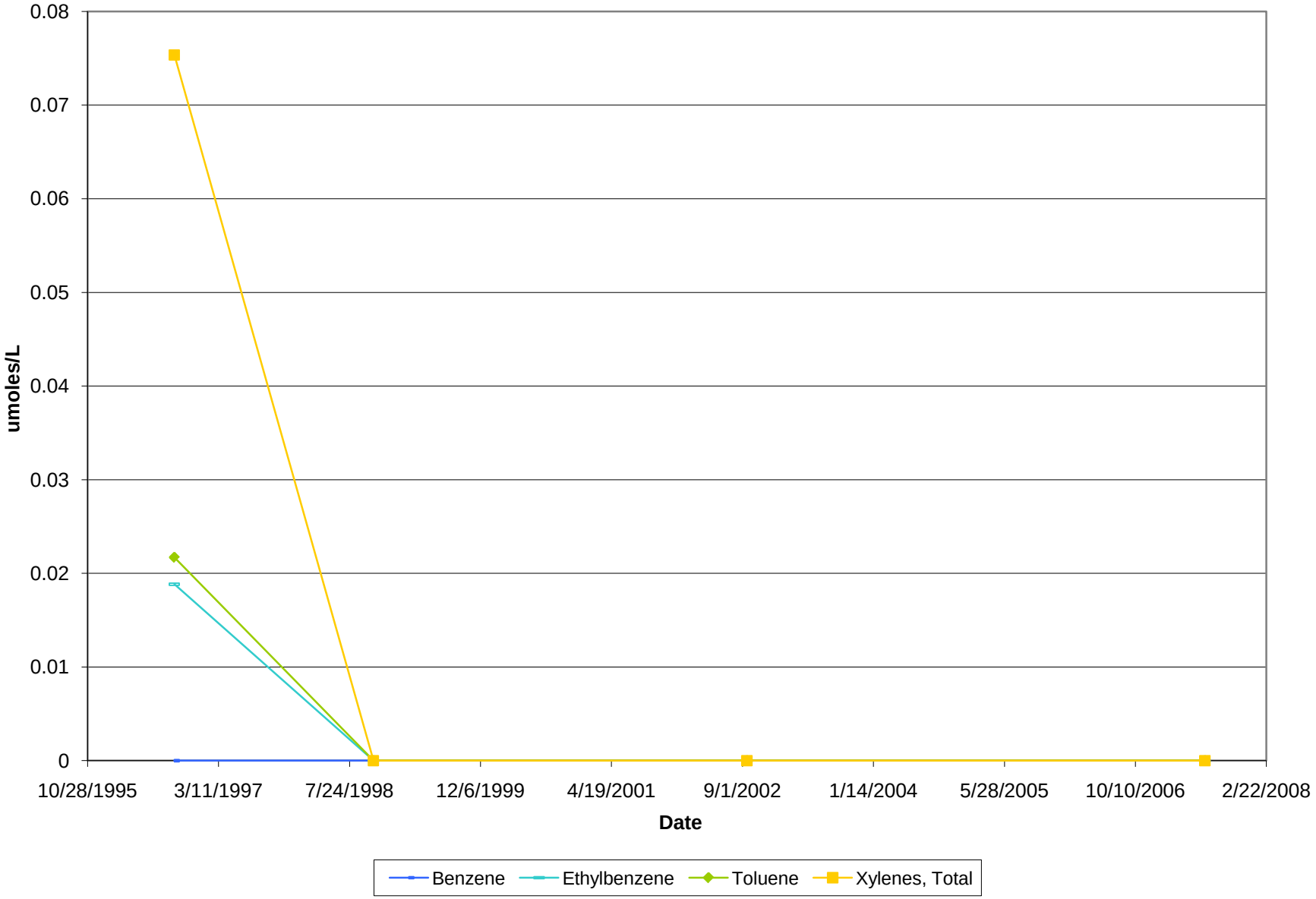
Data Record for Molar MW-14D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



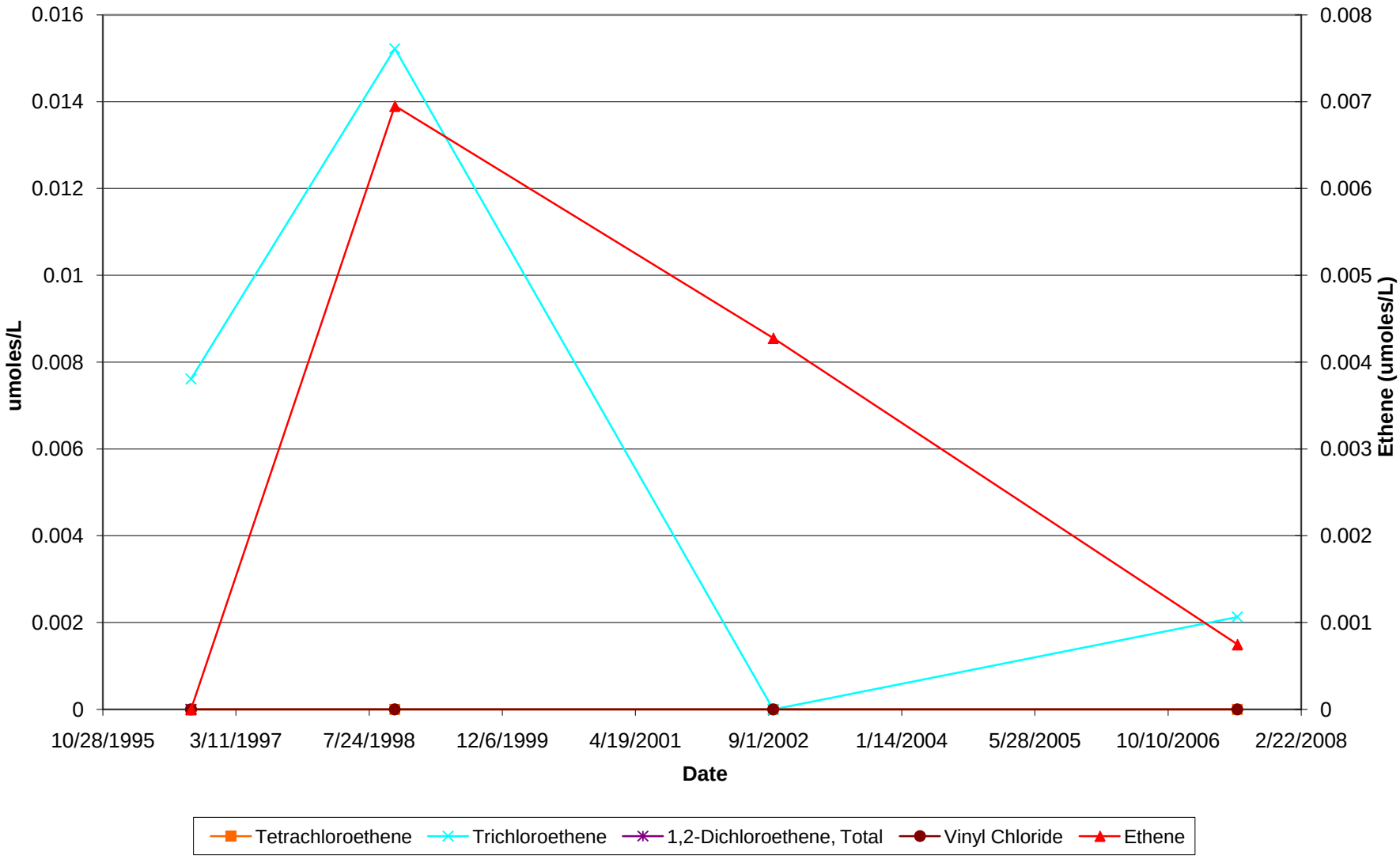
Data Record for Molar MW-14D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for Molar MW-14D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey

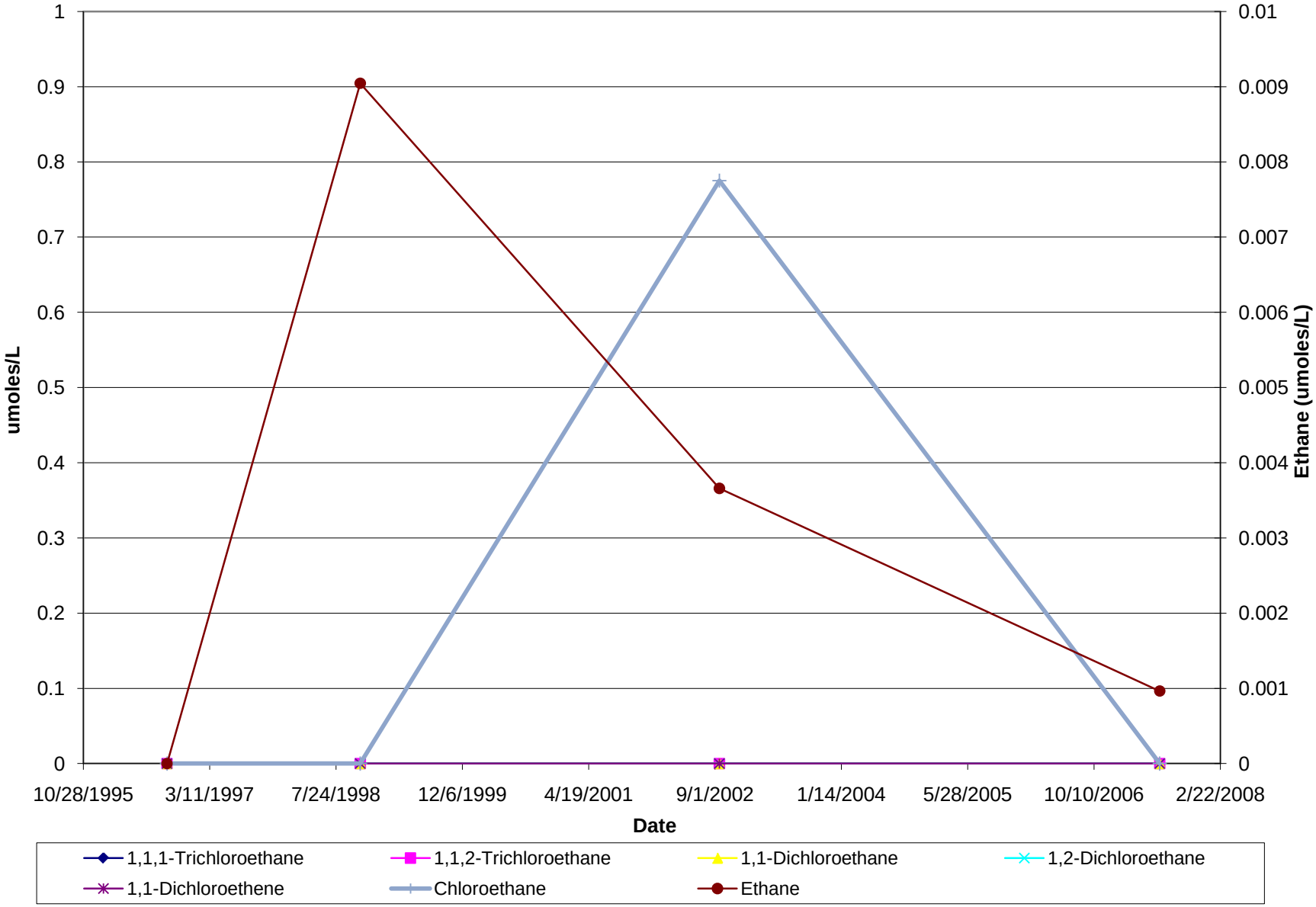


Data Record for Molar MW-14R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

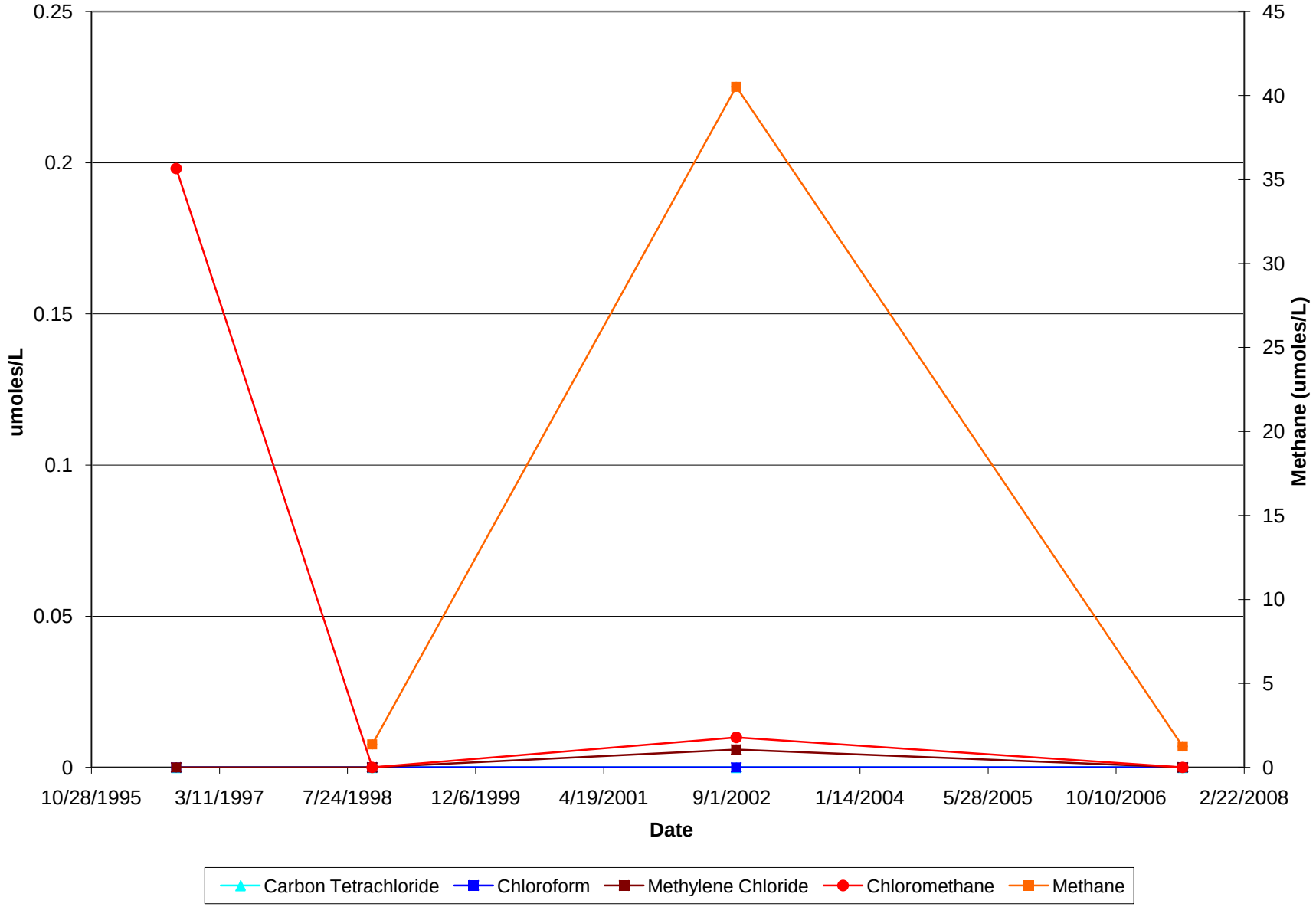


Golder Associates

Data Record for Molar MW-14R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

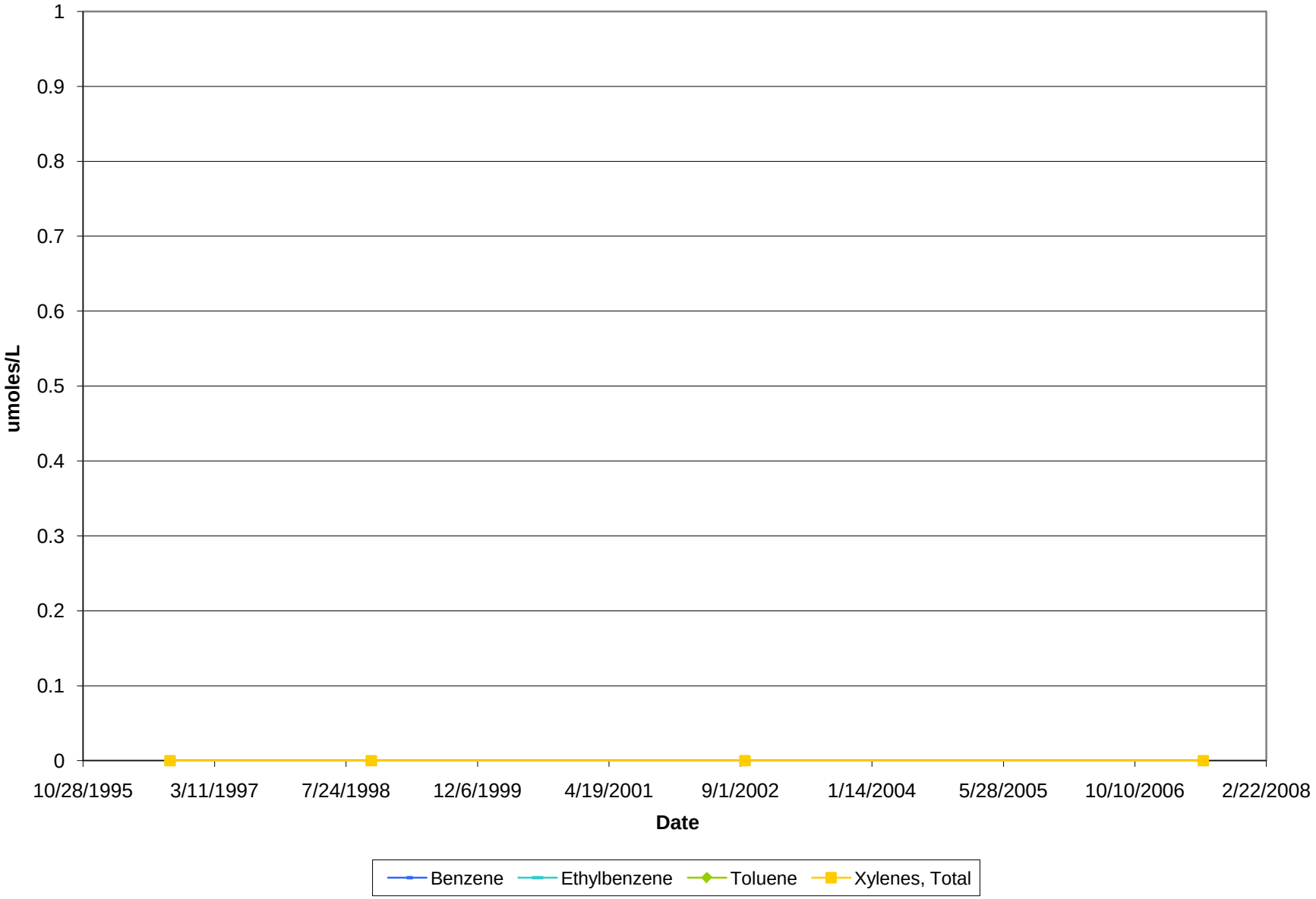


Data Record for Molar MW-14R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey

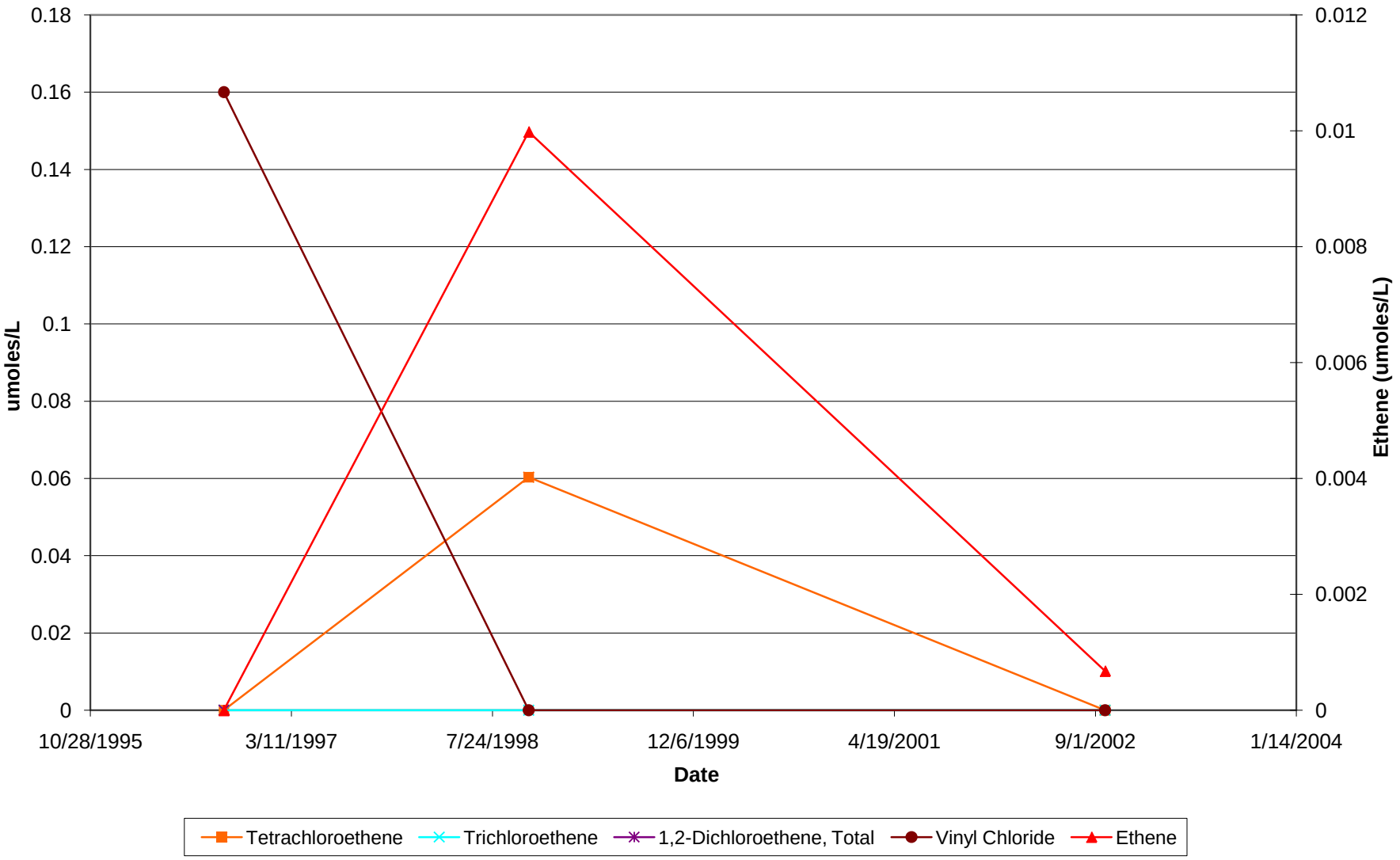


Golder Associates

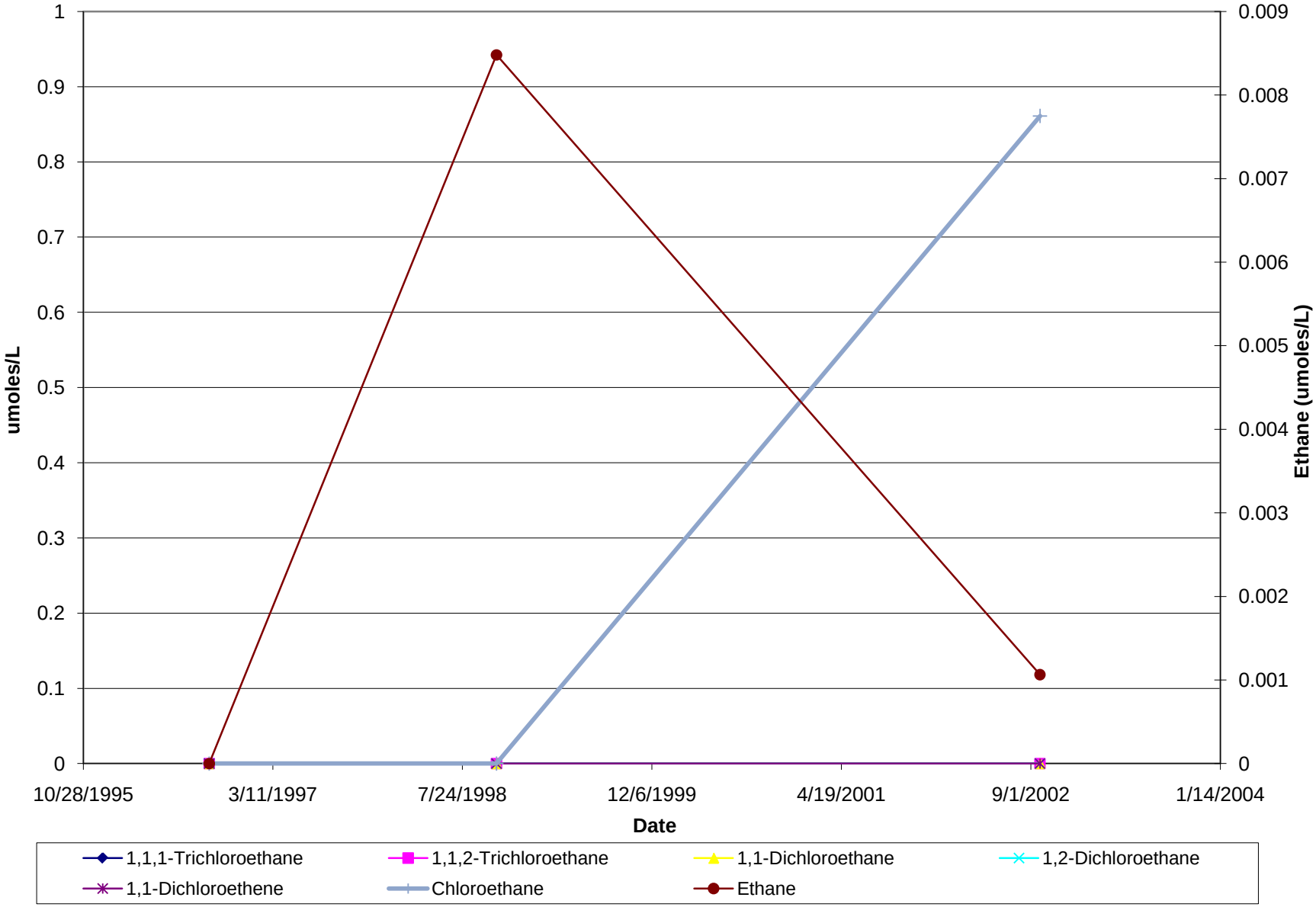
Data Record for Molar MW-14R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



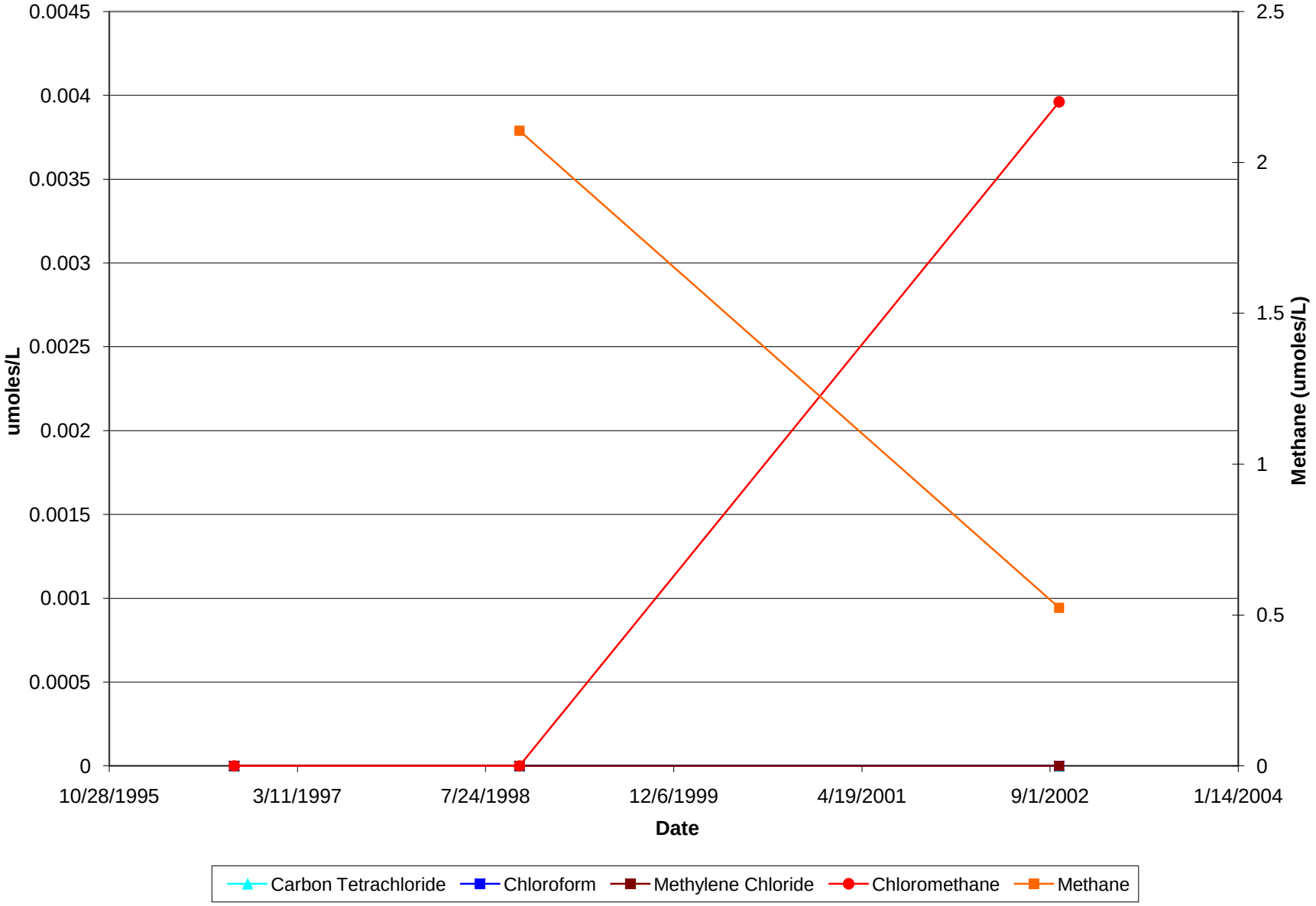
Data Record for Molar MW-15D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



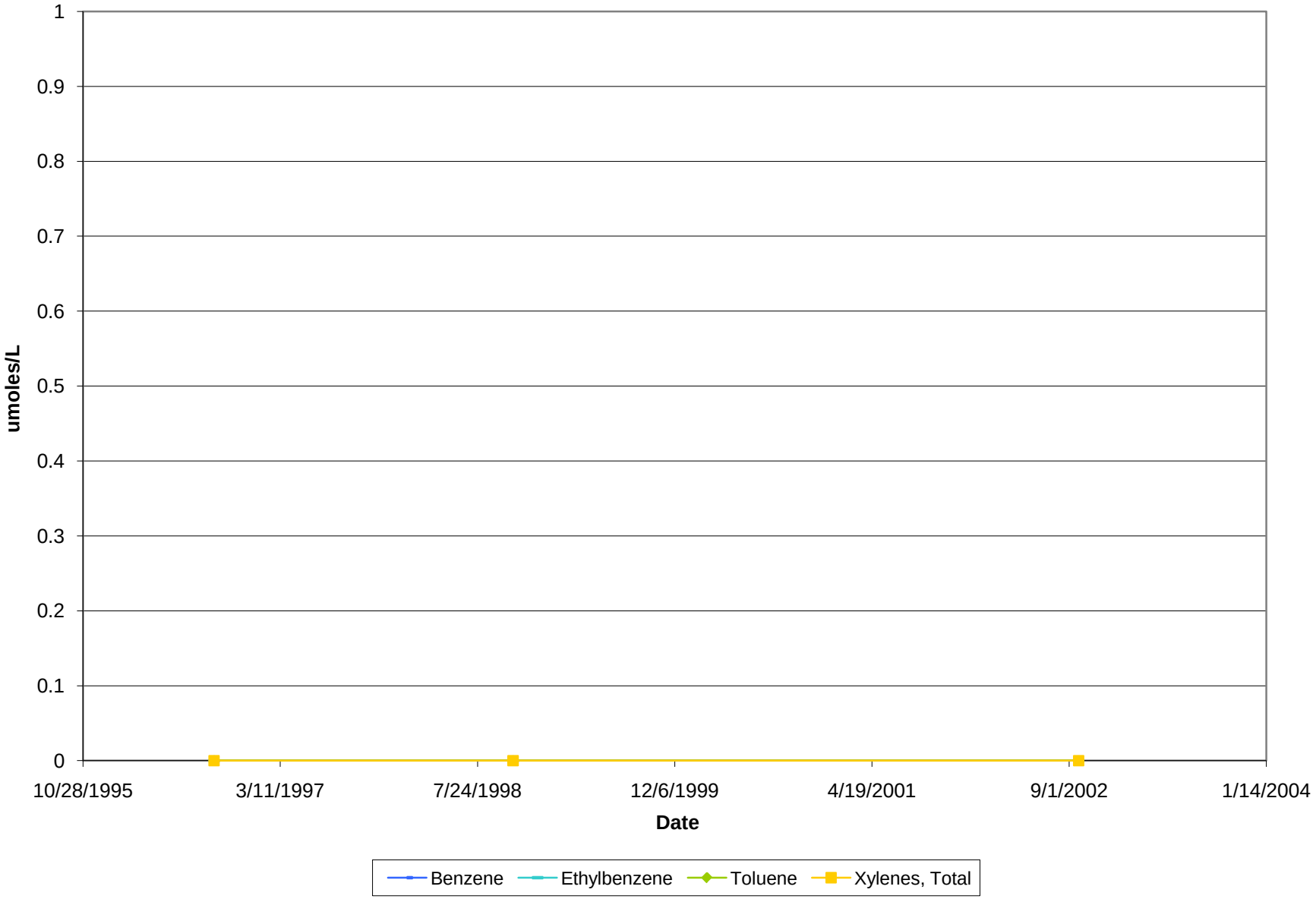
Data Record for Molar MW-15D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



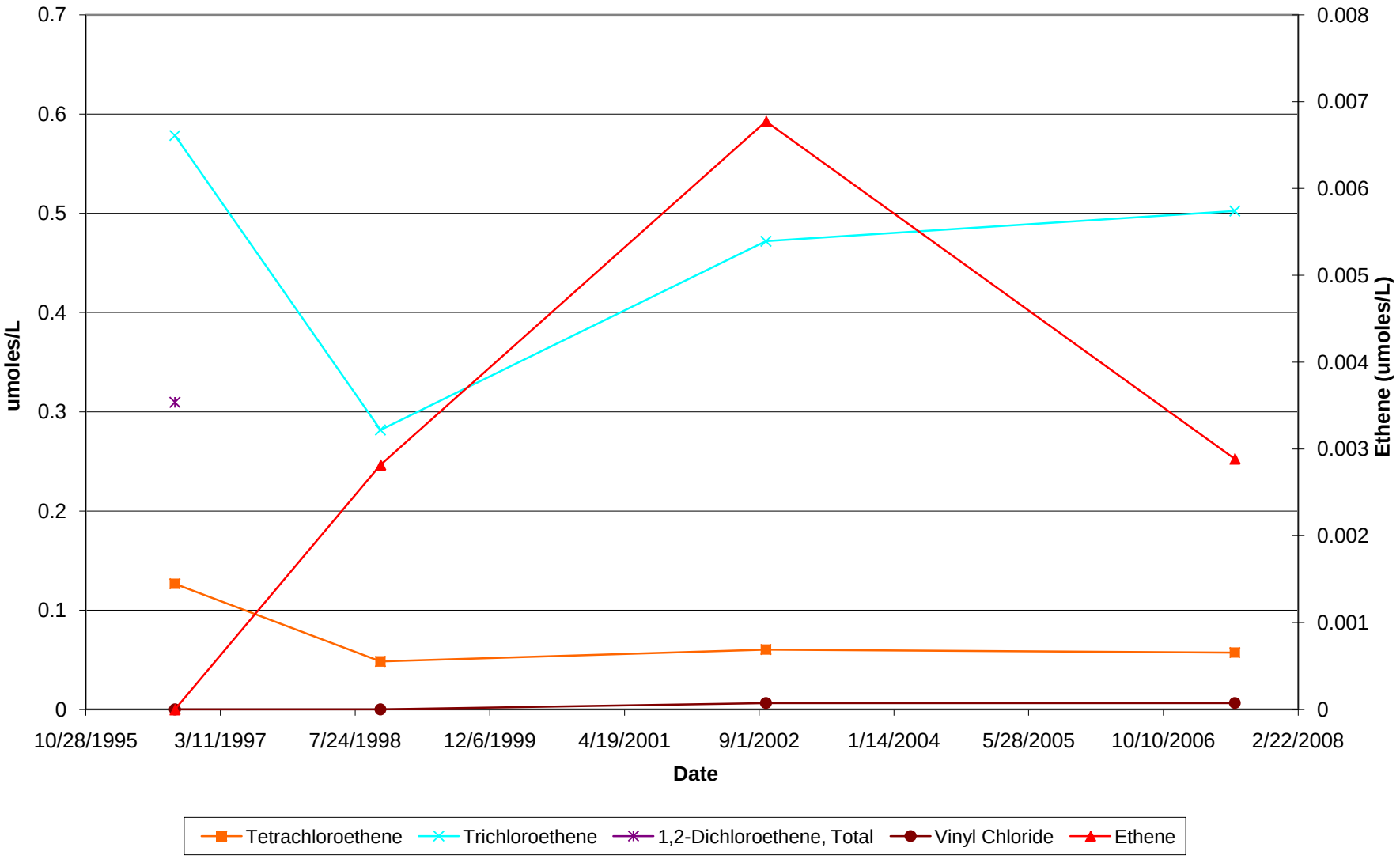
Data Record for Molar MW-15D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



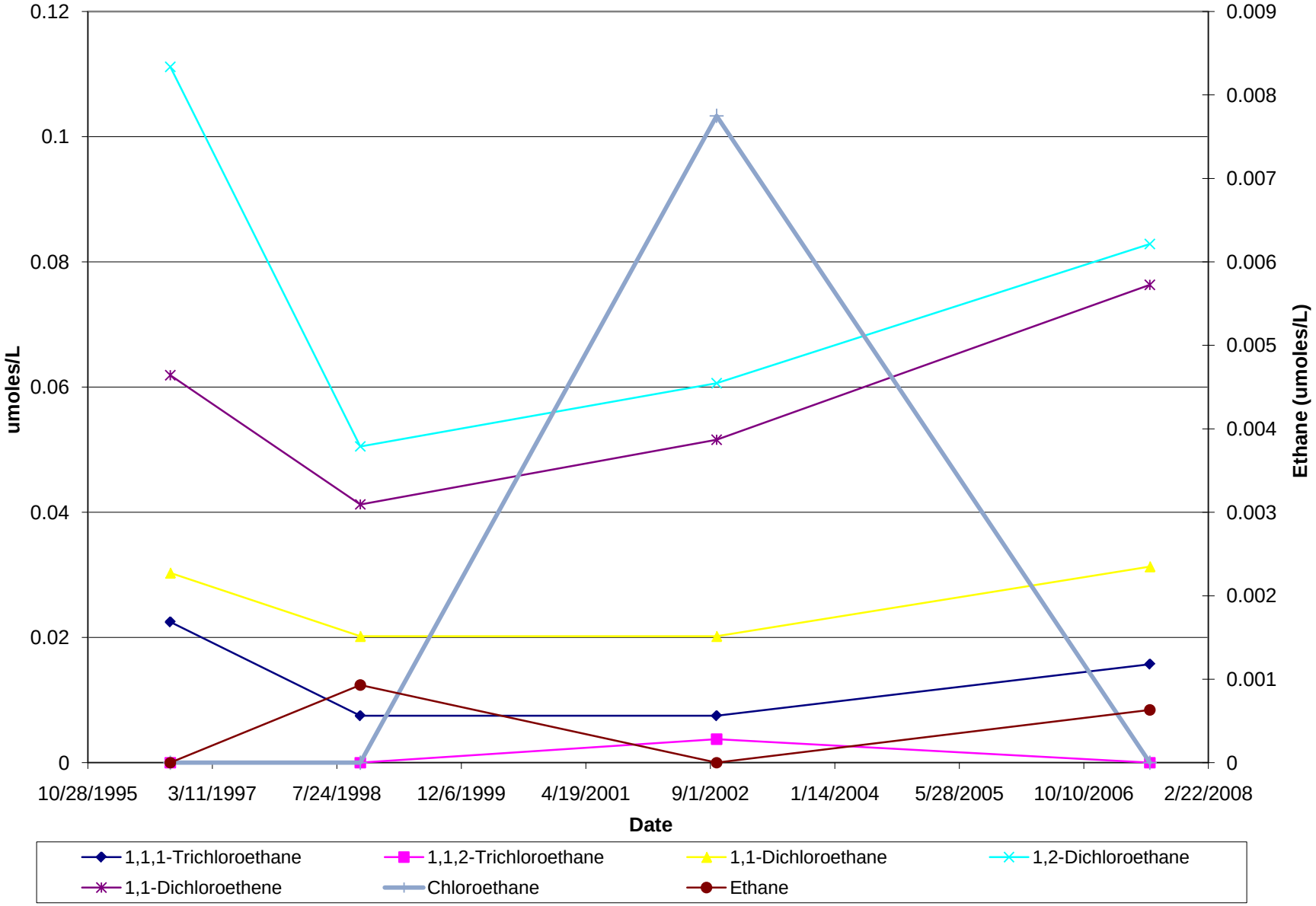
Data Record for Molar MW-15D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



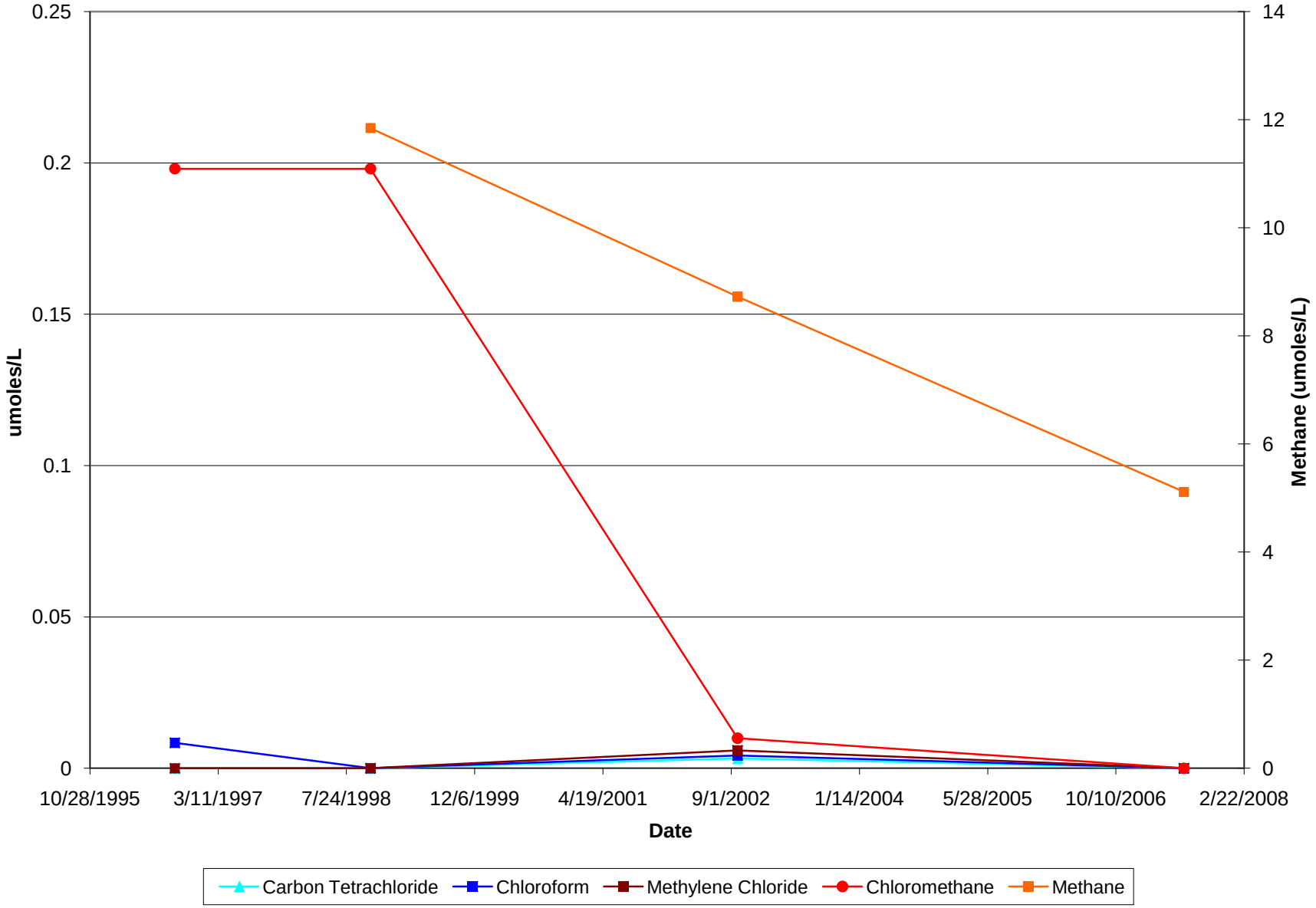
Data Record for Molar MW-16D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



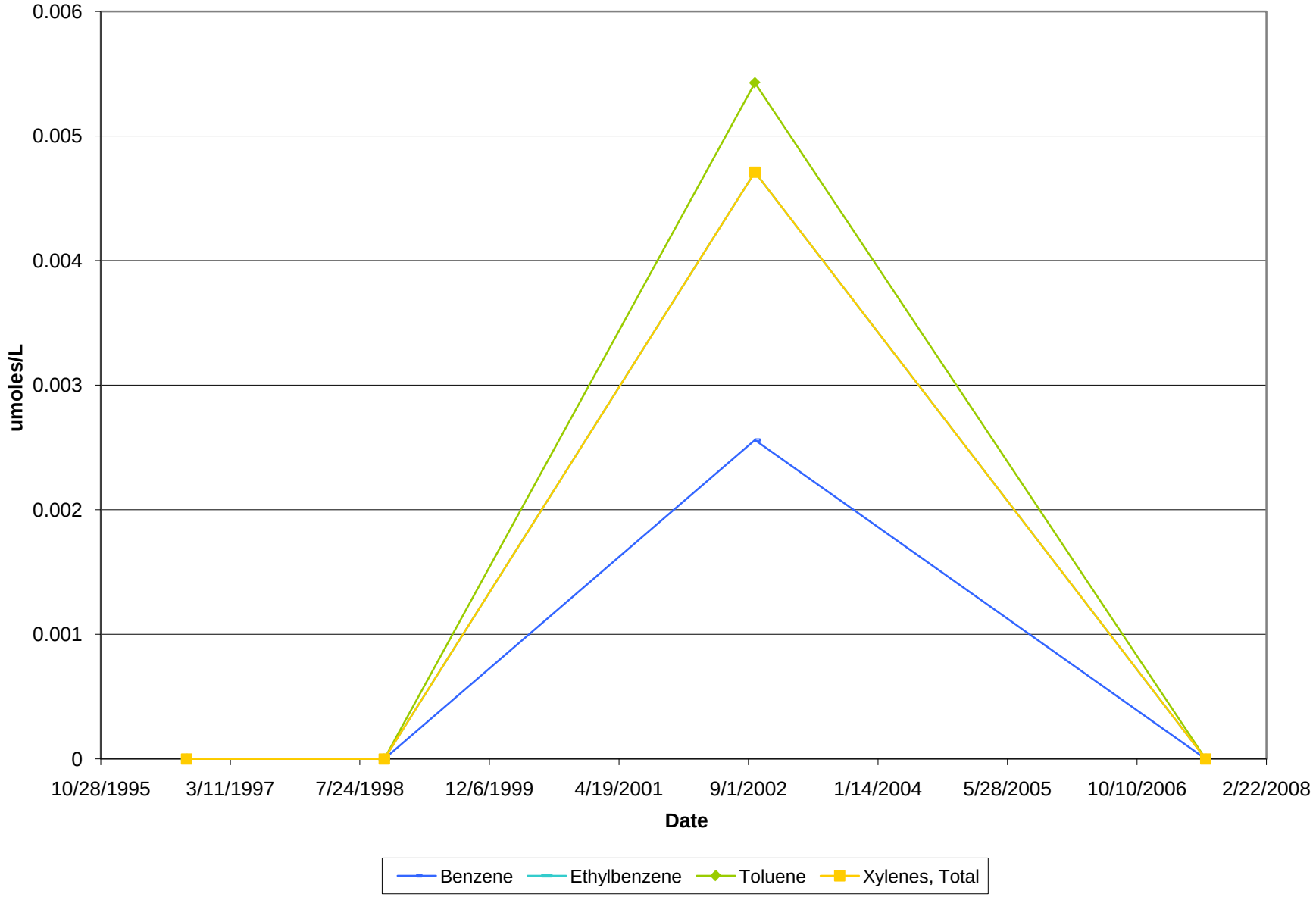
Data Record for Molar MW-16D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



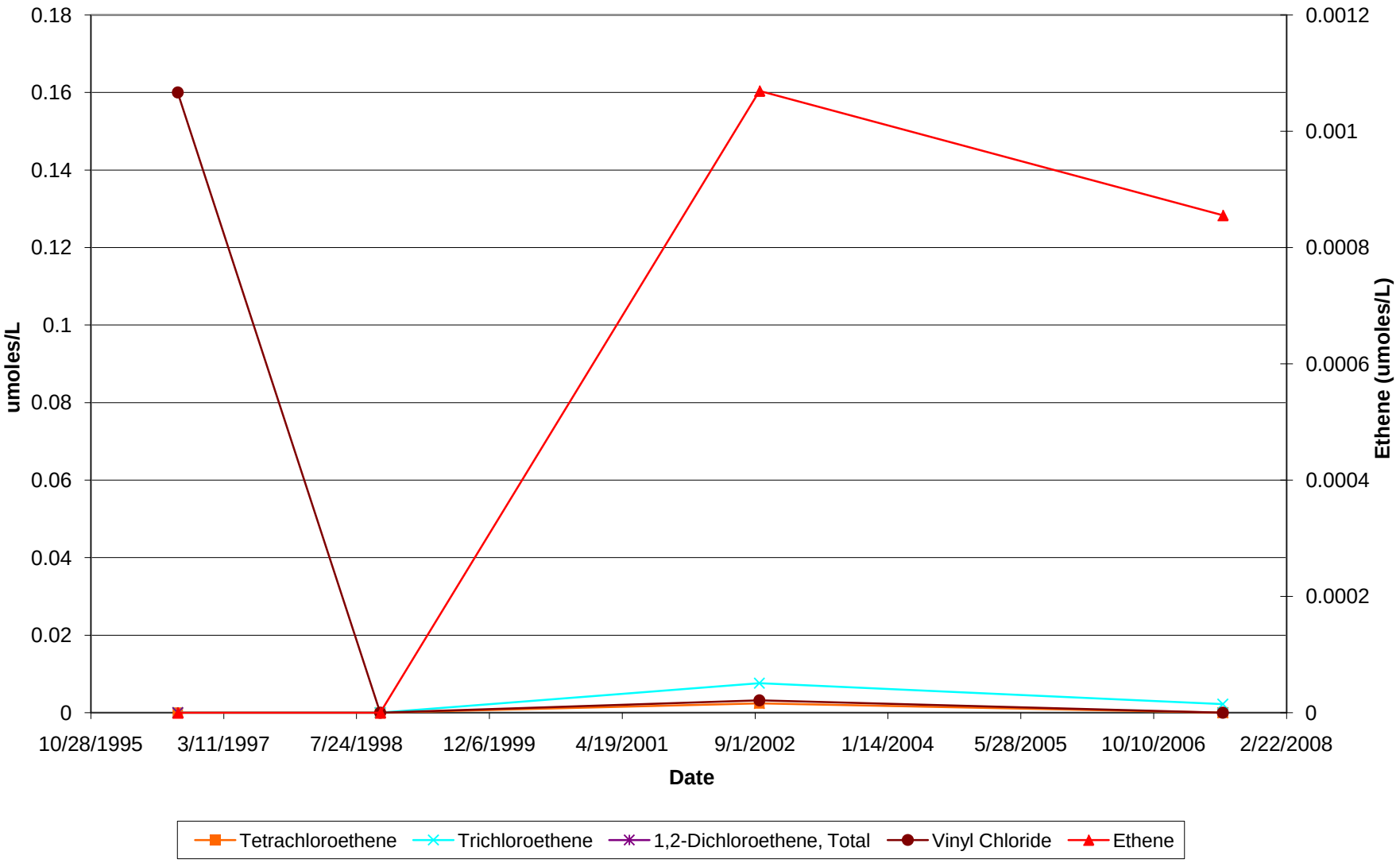
Data Record for Molar MW-16D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



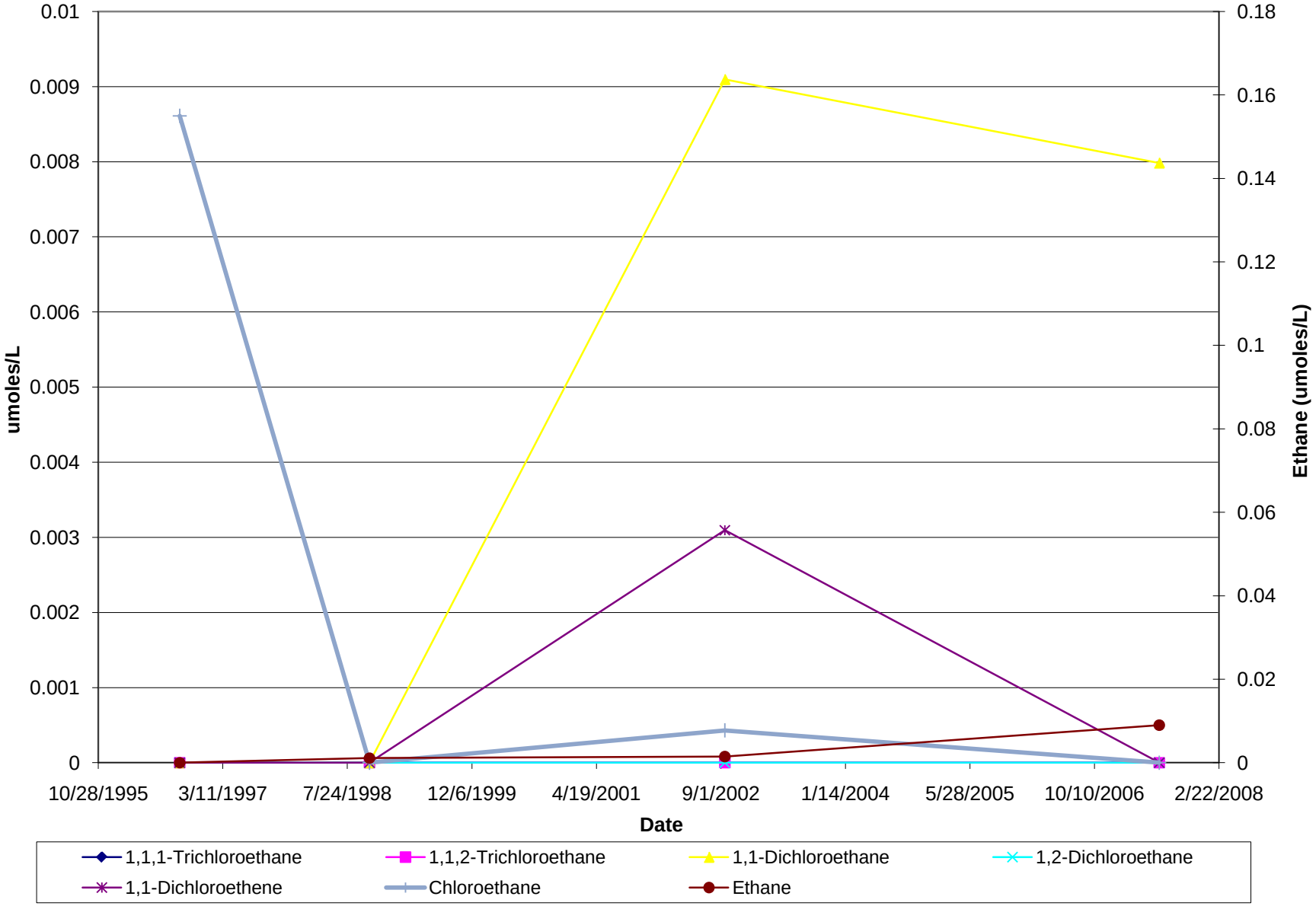
Data Record for Molar MW-16D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



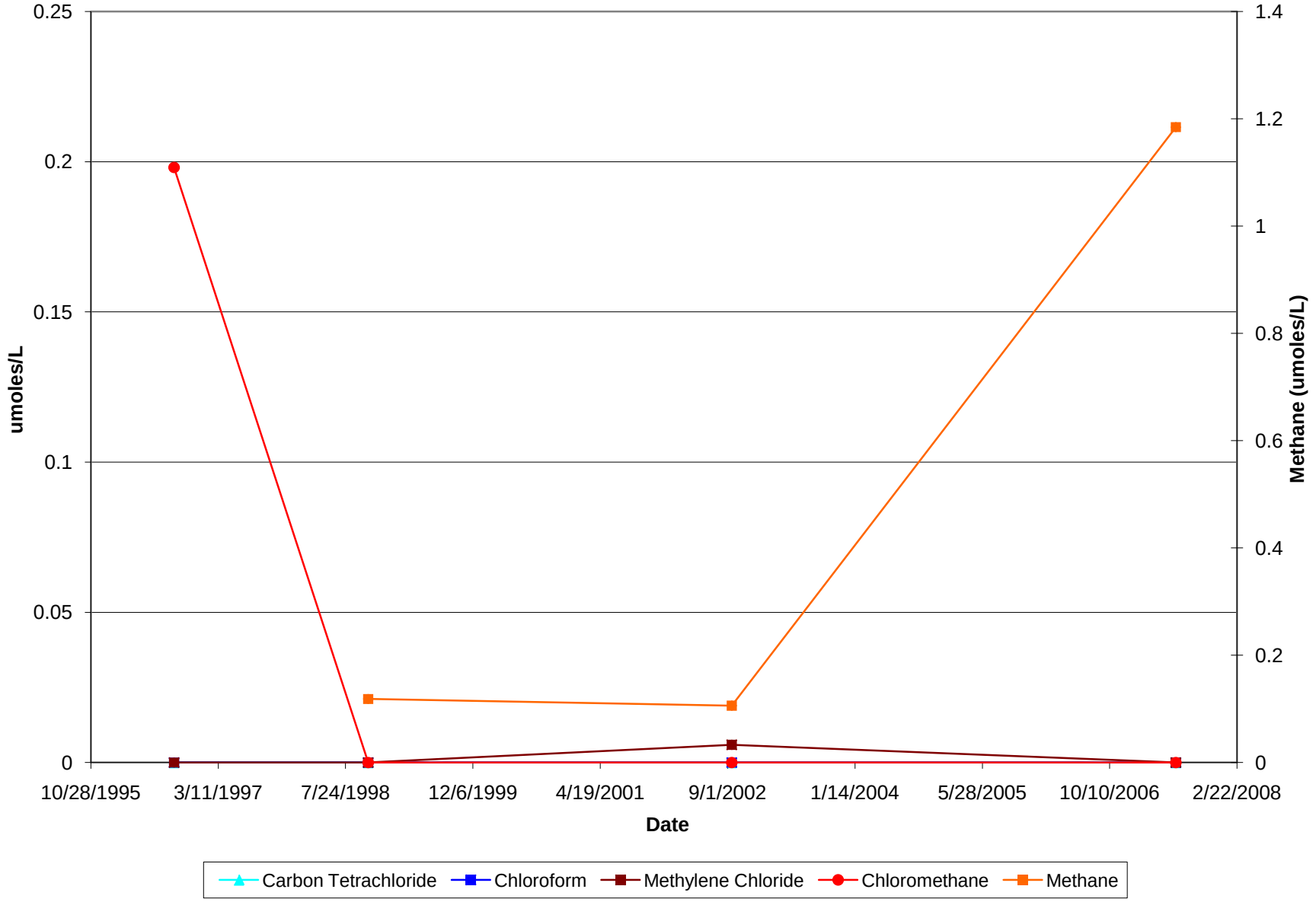
Data Record for Molar MW-17D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



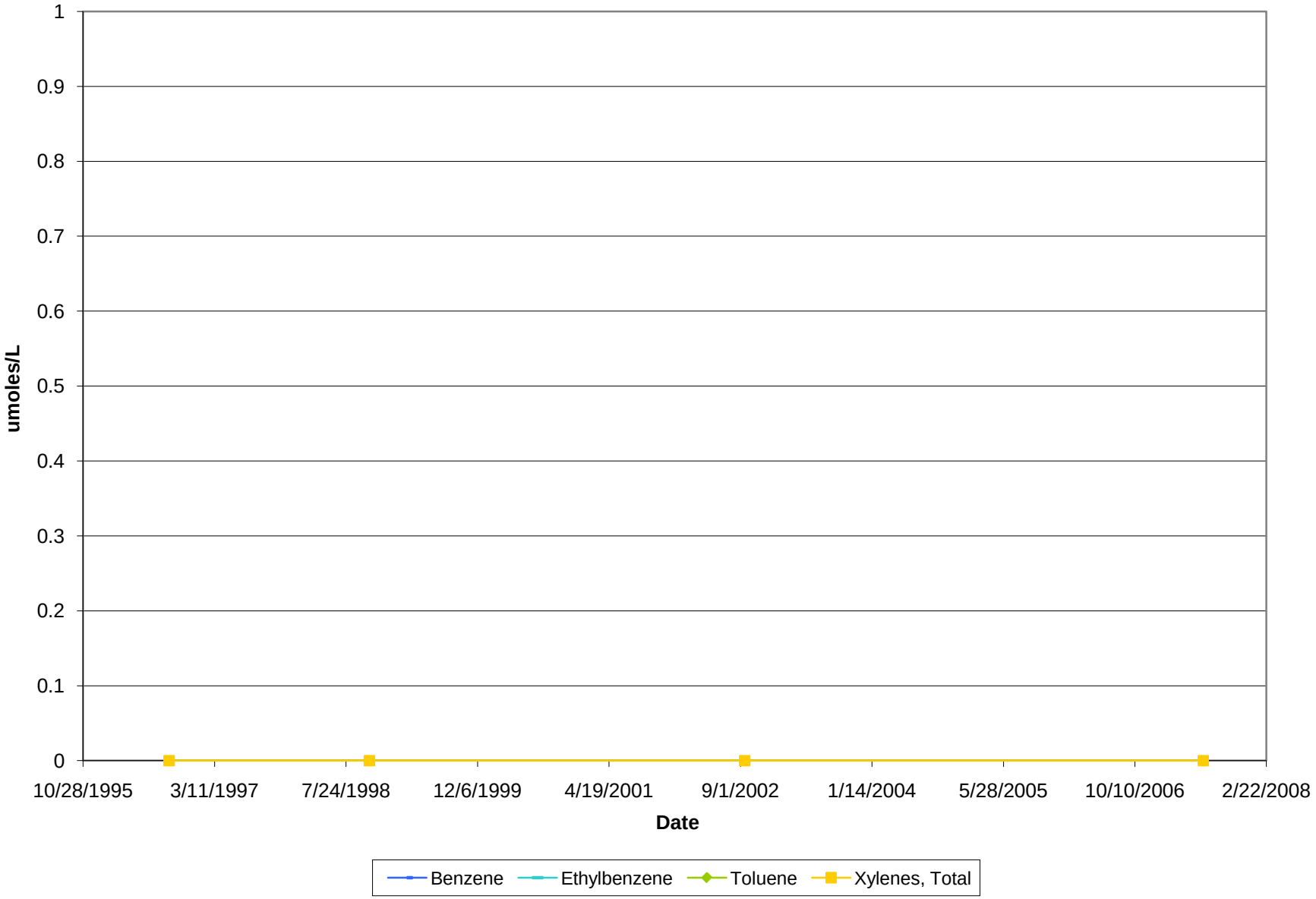
Data Record for Molar MW-17D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



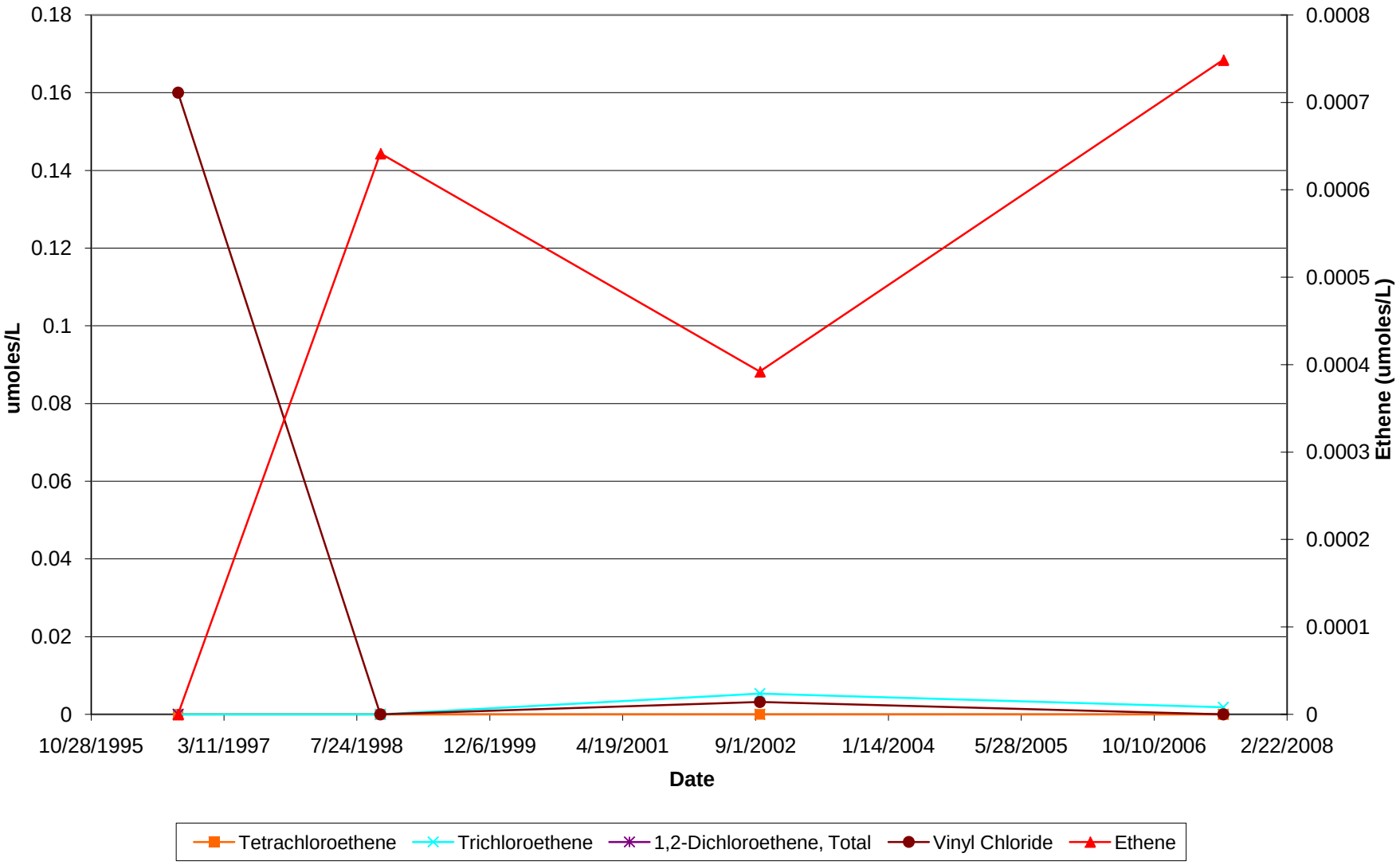
Data Record for Molar MW-17D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



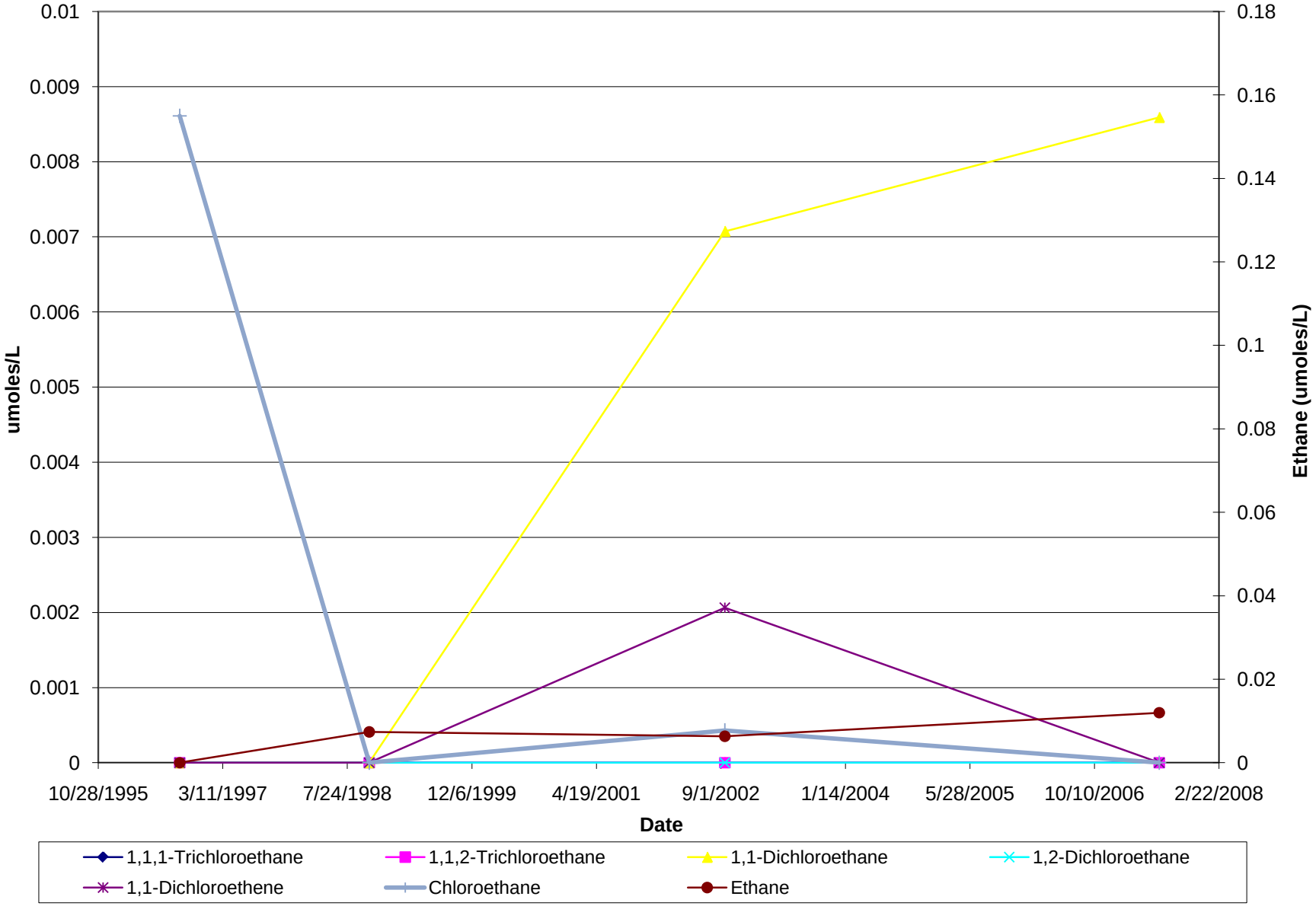
Data Record for Molar MW-17D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



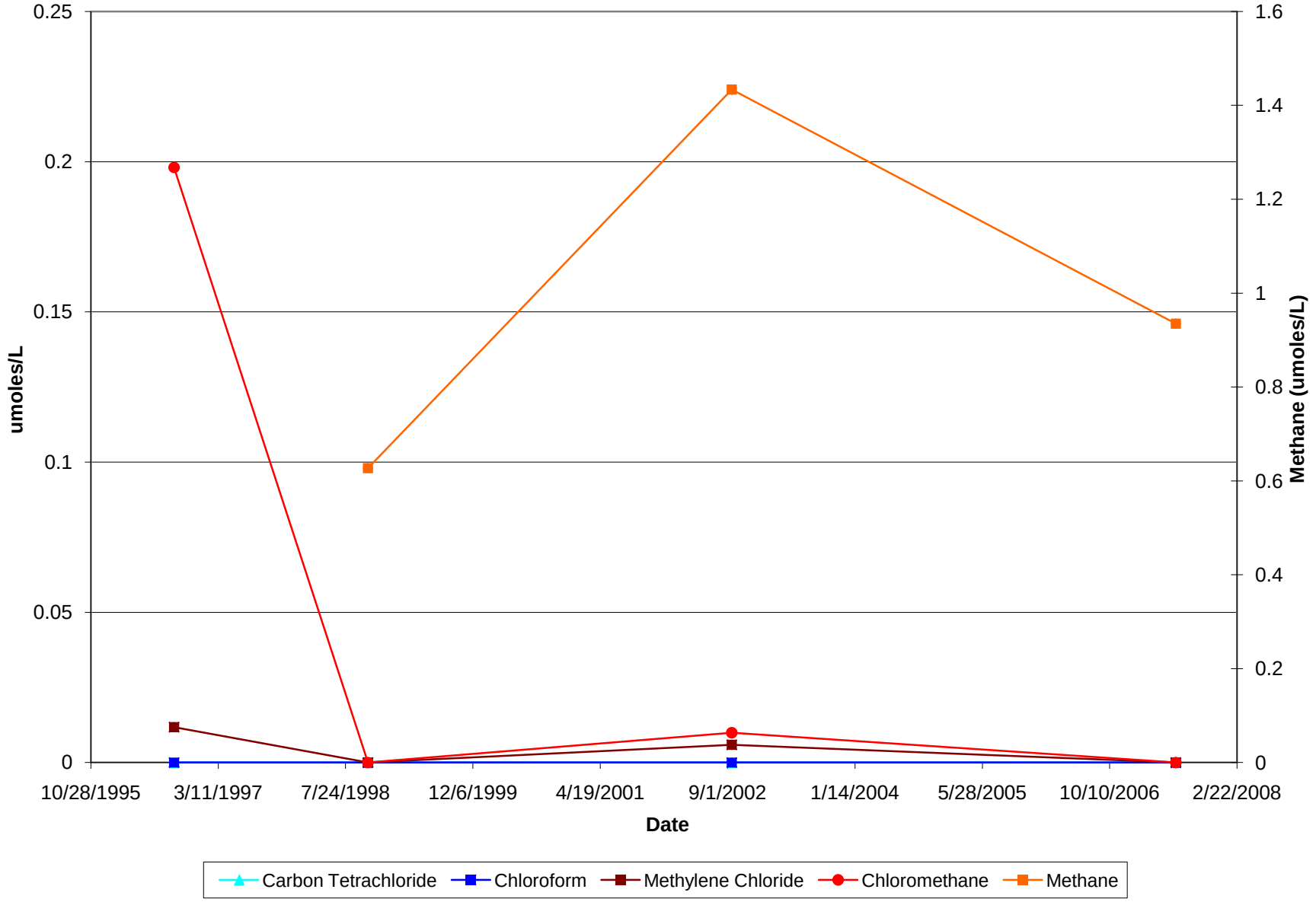
Data Record for Molar MW-18D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



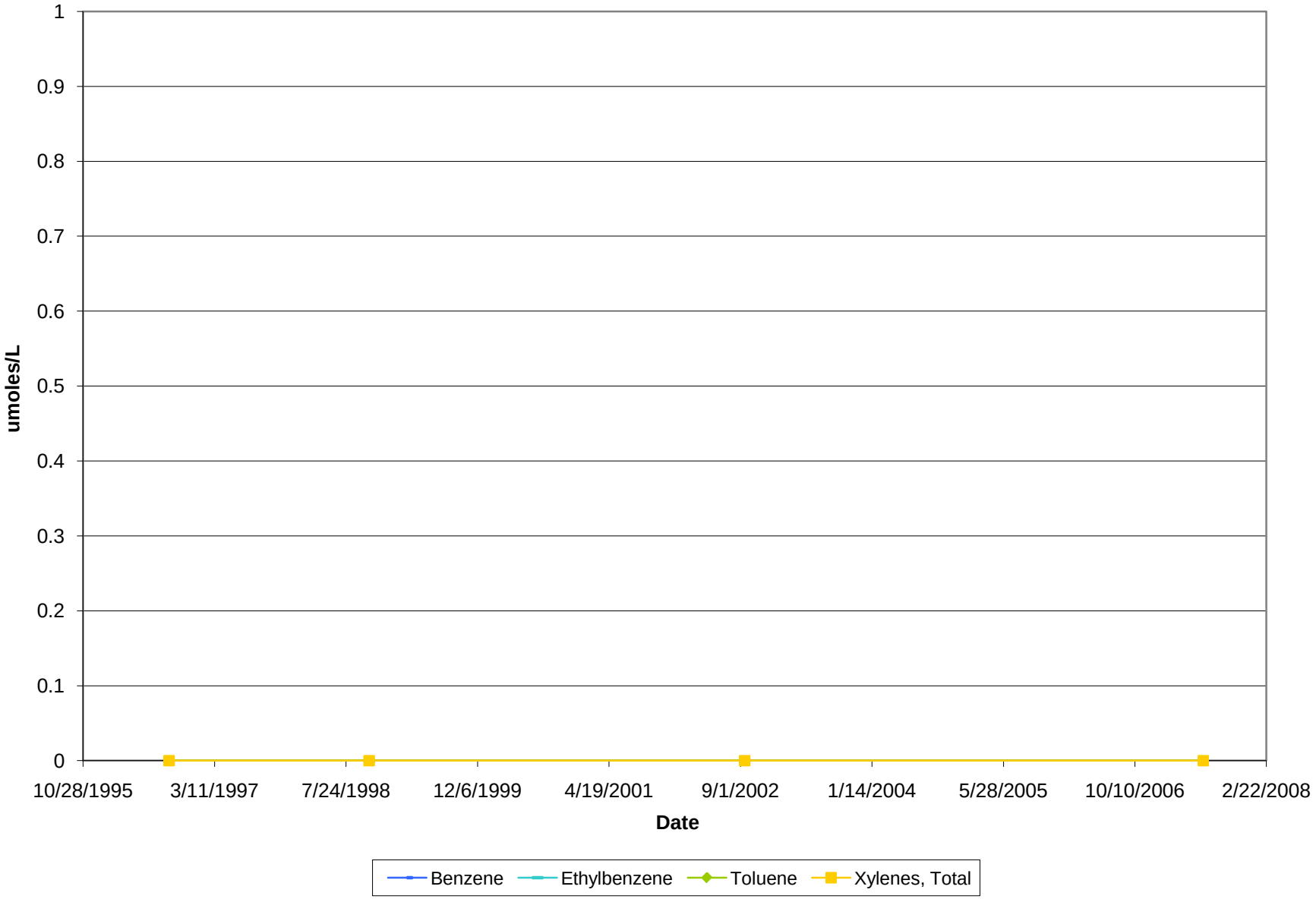
Data Record for Molar MW-18D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



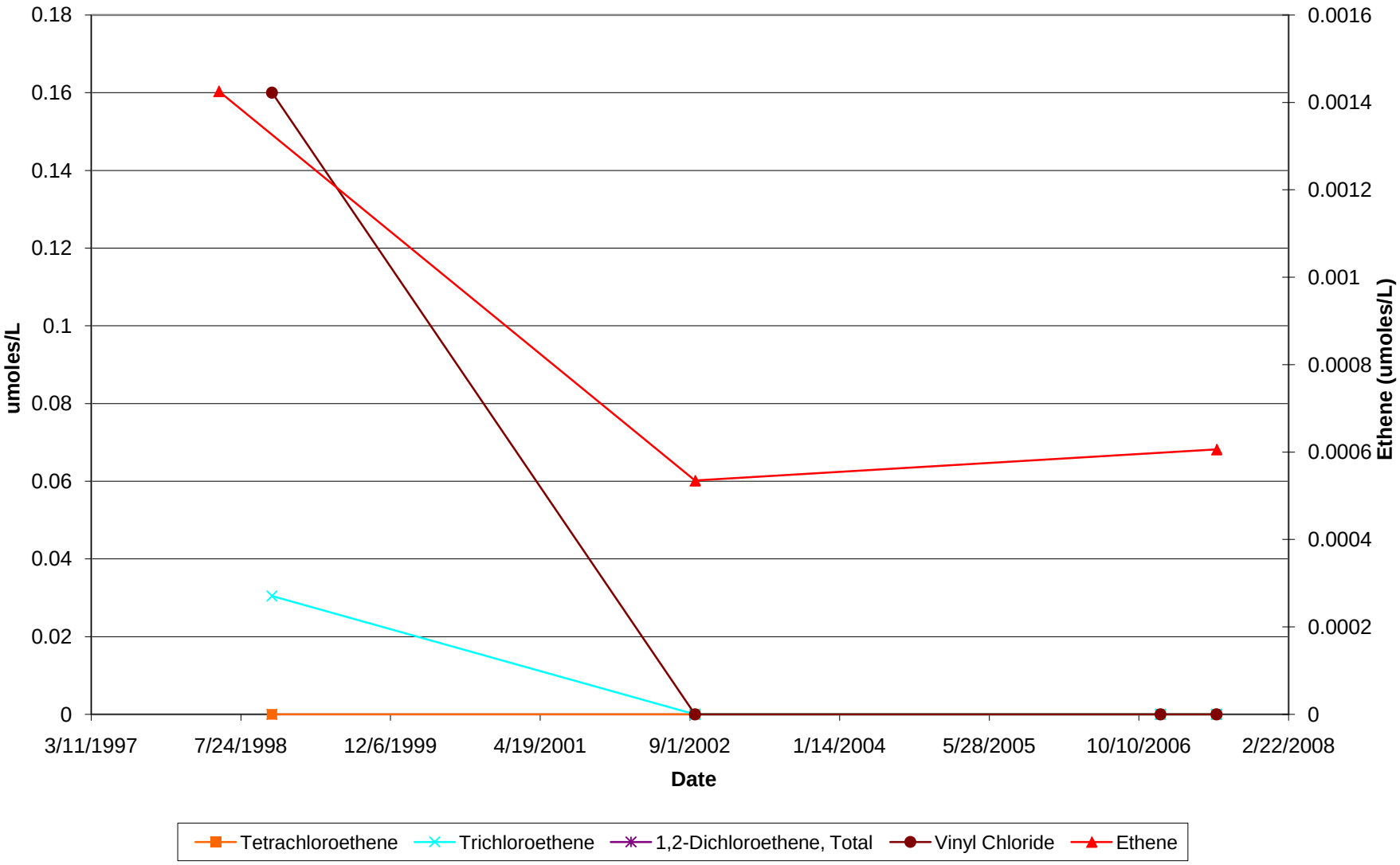
Data Record for Molar MW-18D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



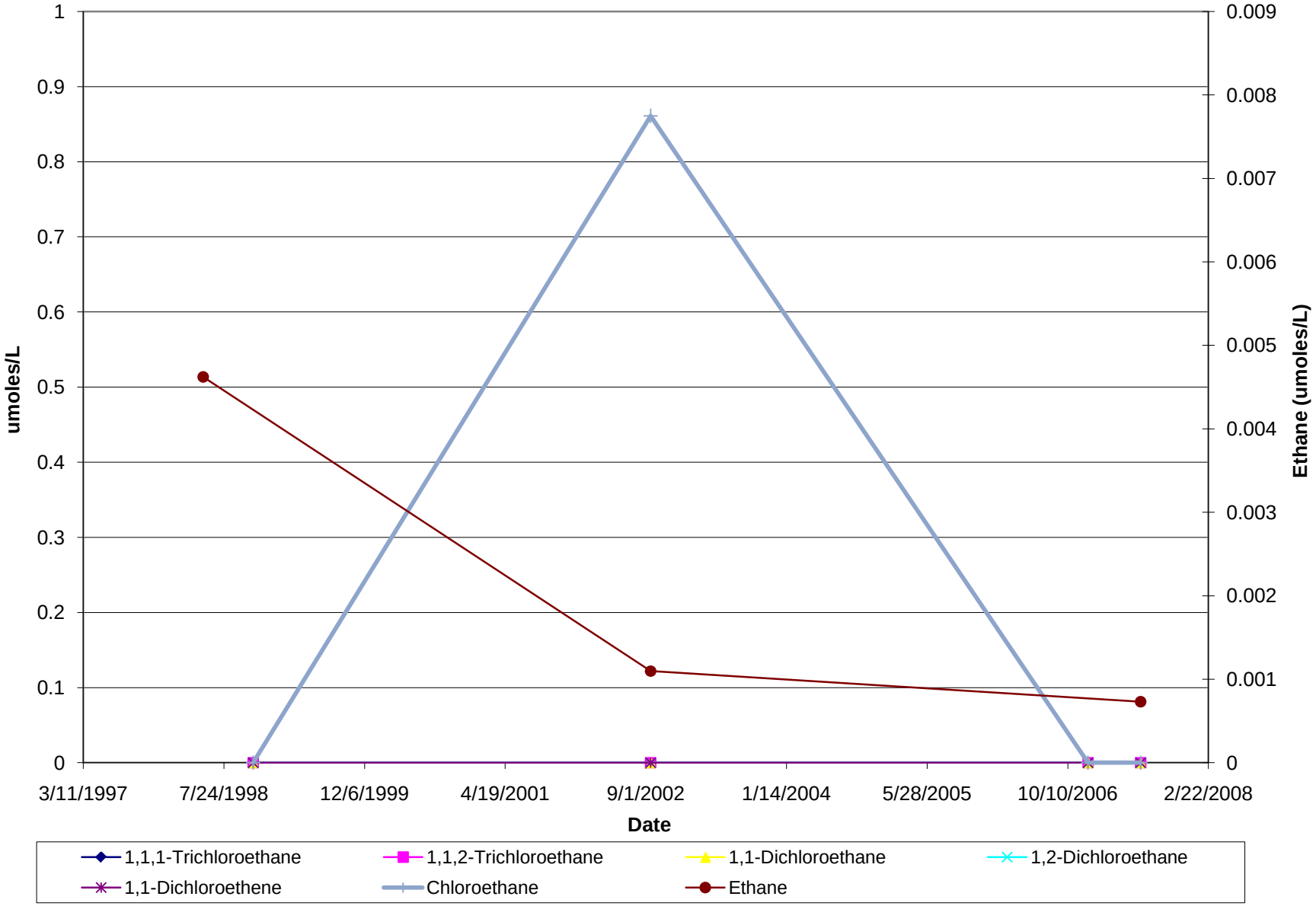
Data Record for Molar MW-18D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



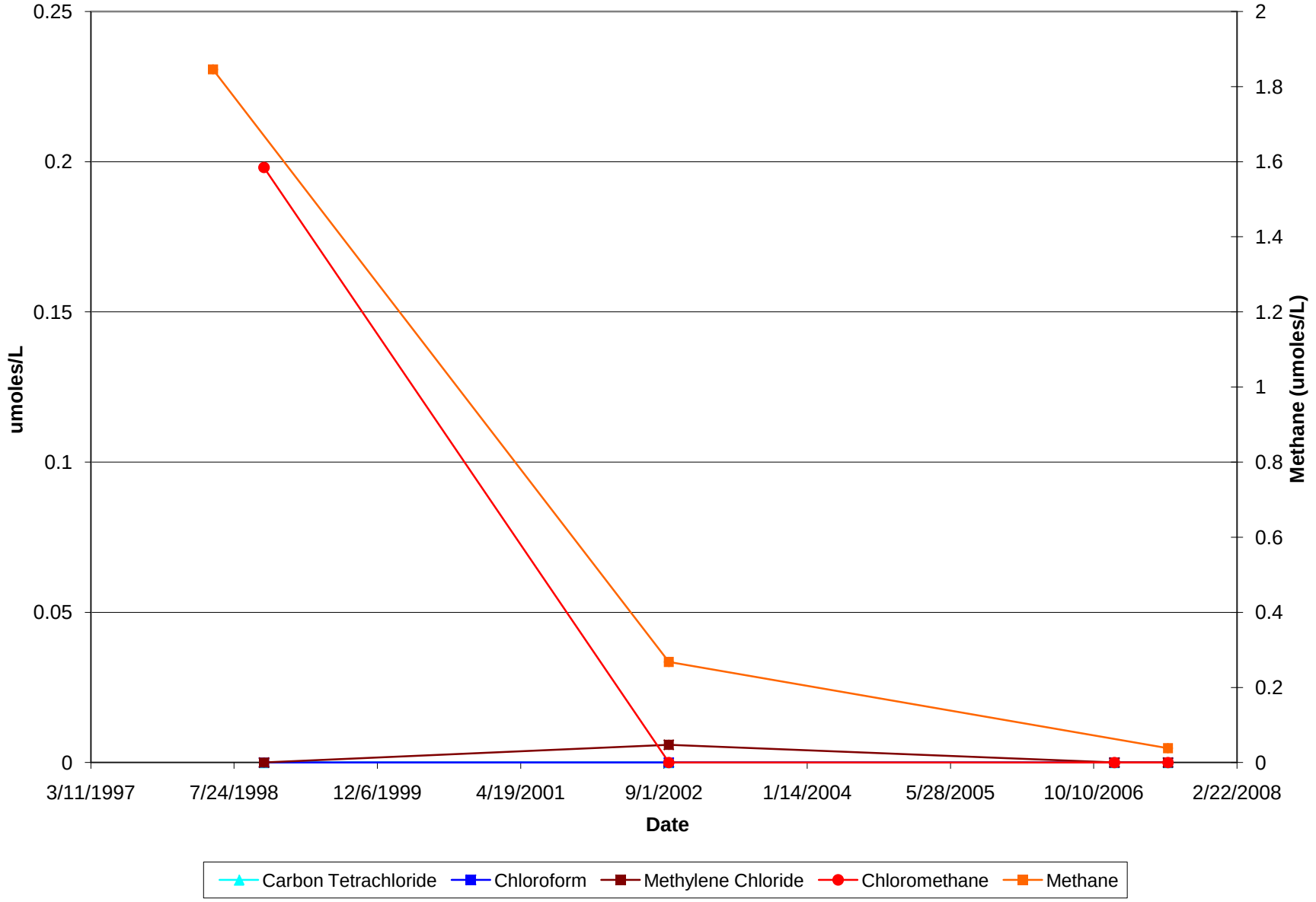
Data Record for Molar MW-19D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



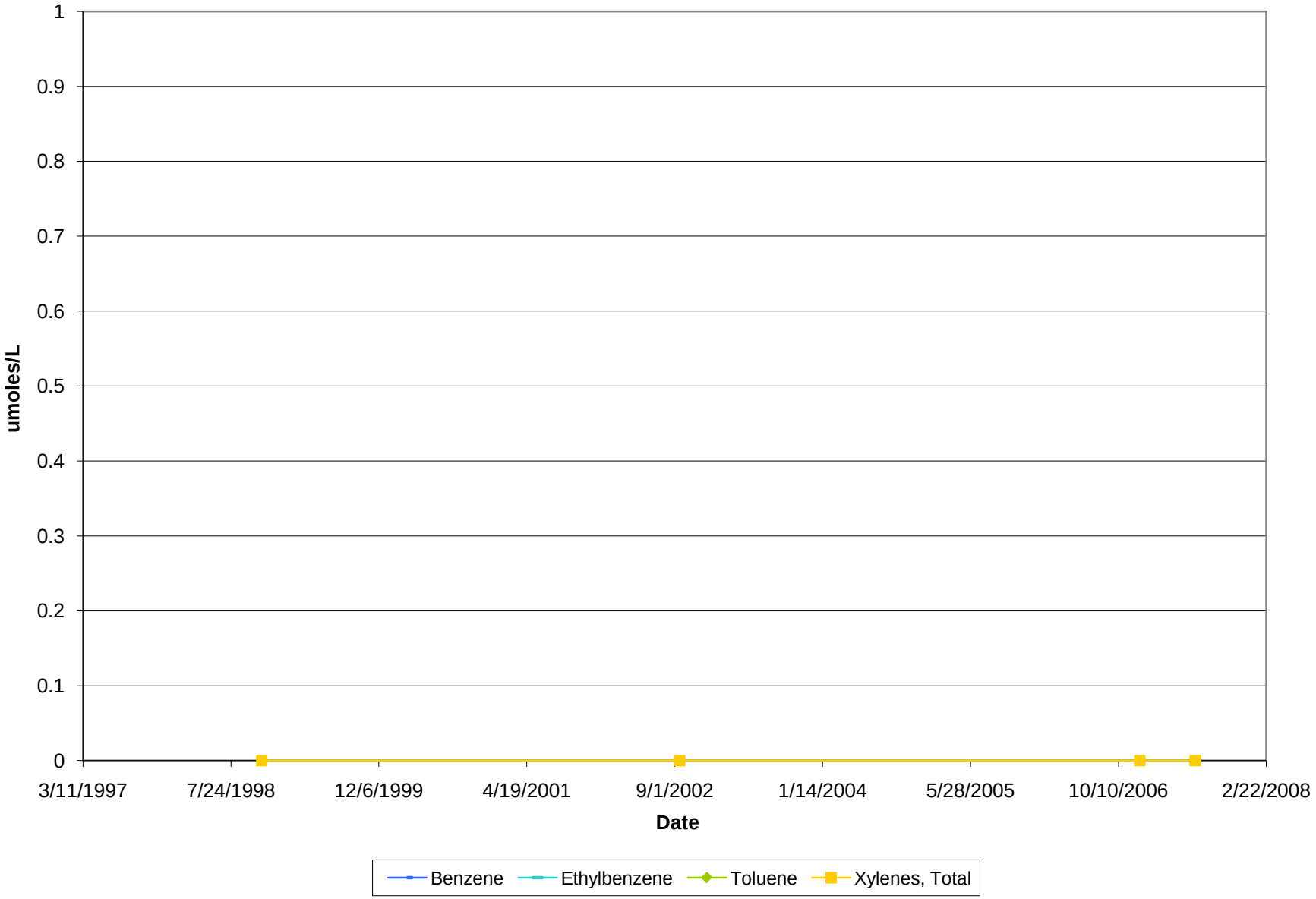
Data Record for Molar MW-19D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



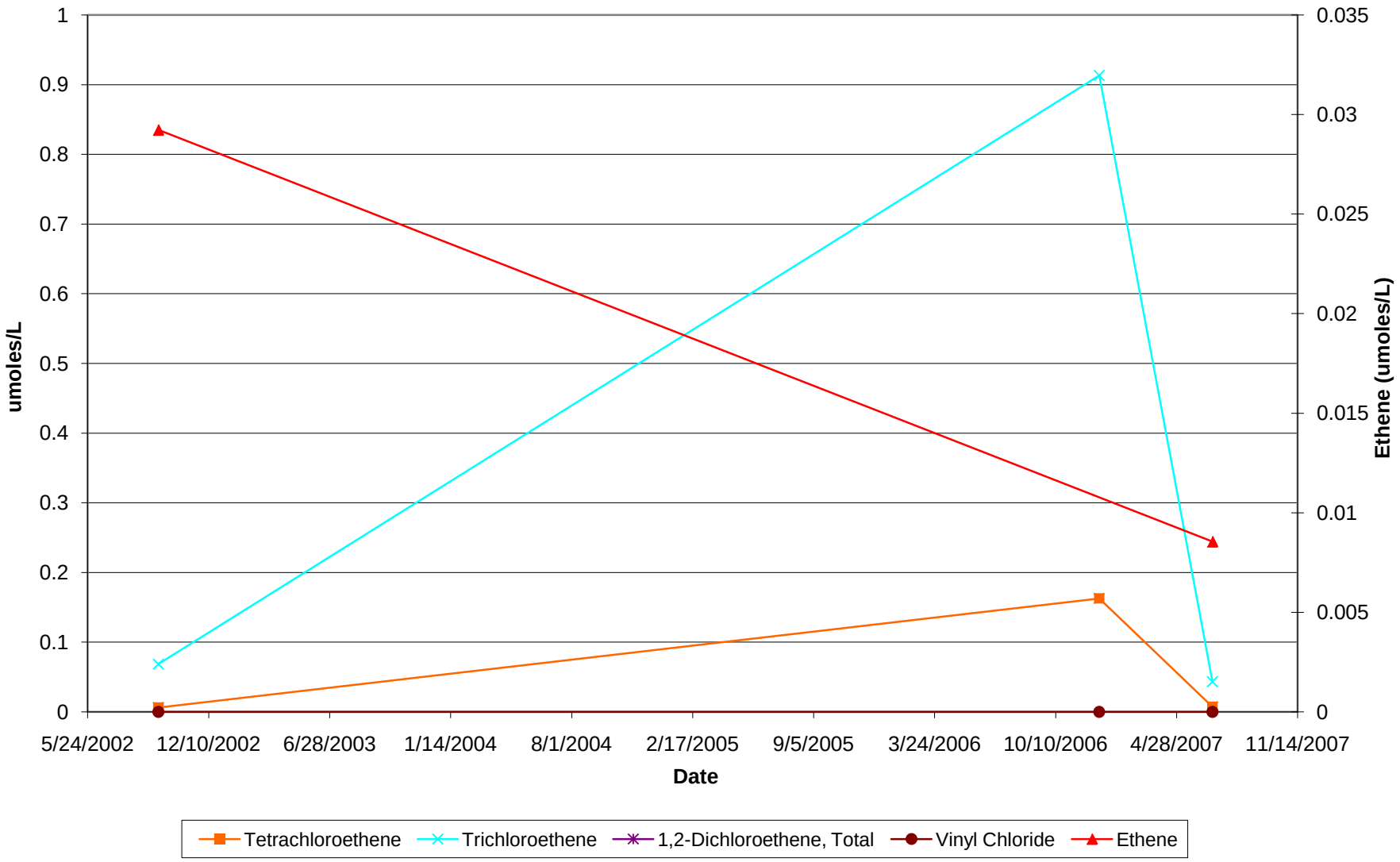
Data Record for Molar MW-19D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



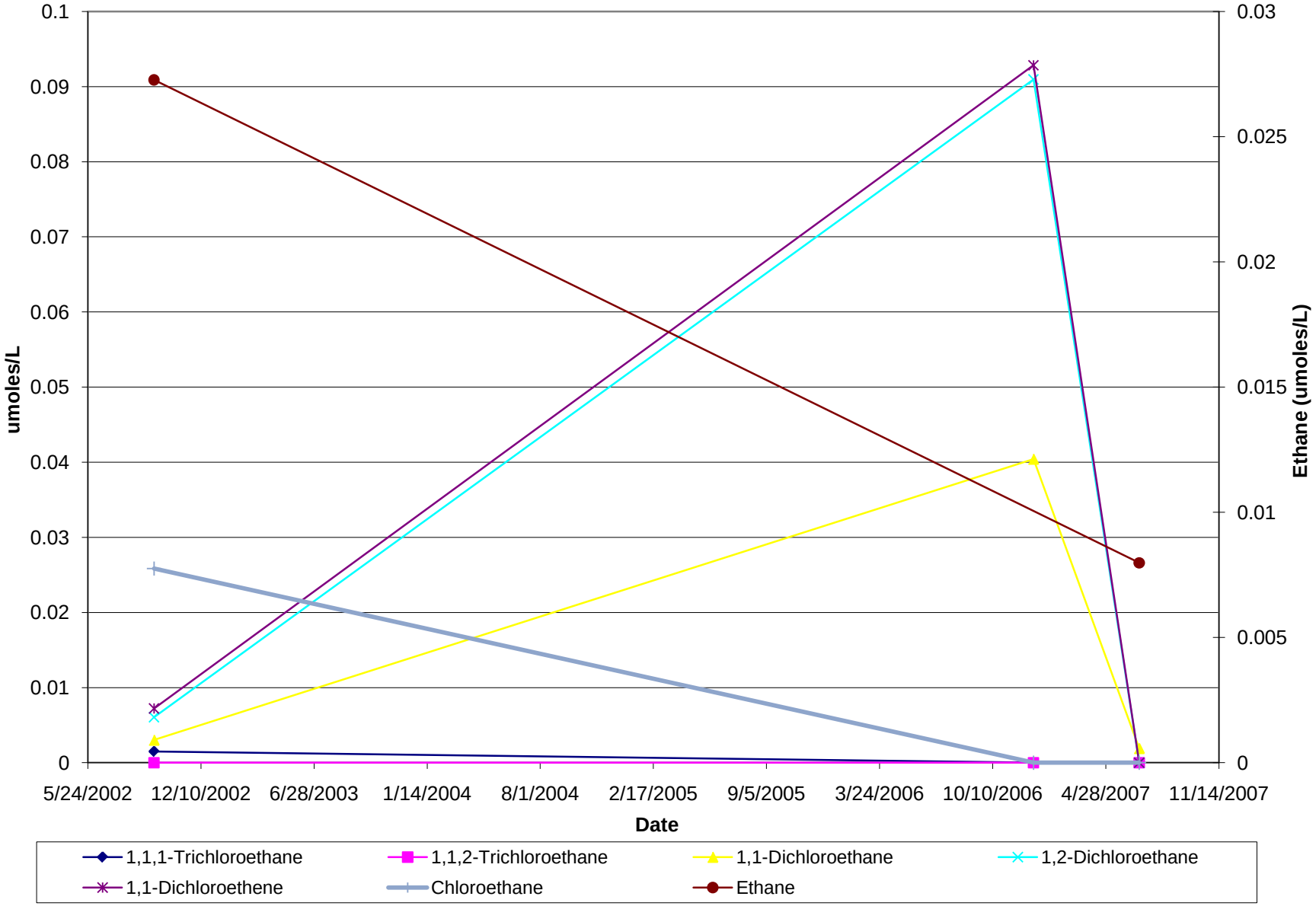
Data Record for Molar MW-19D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



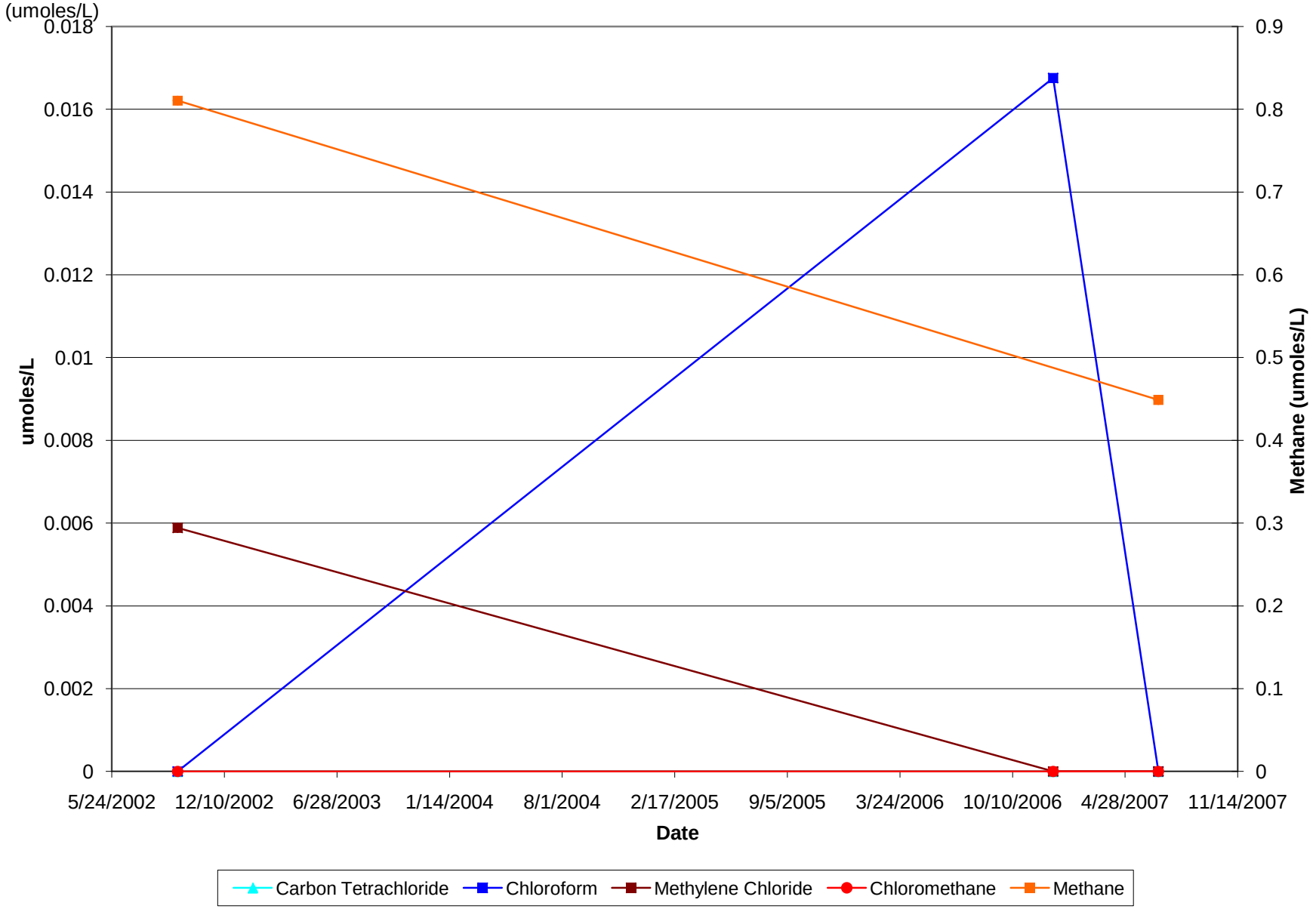
Data Record for Molar MW-19R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



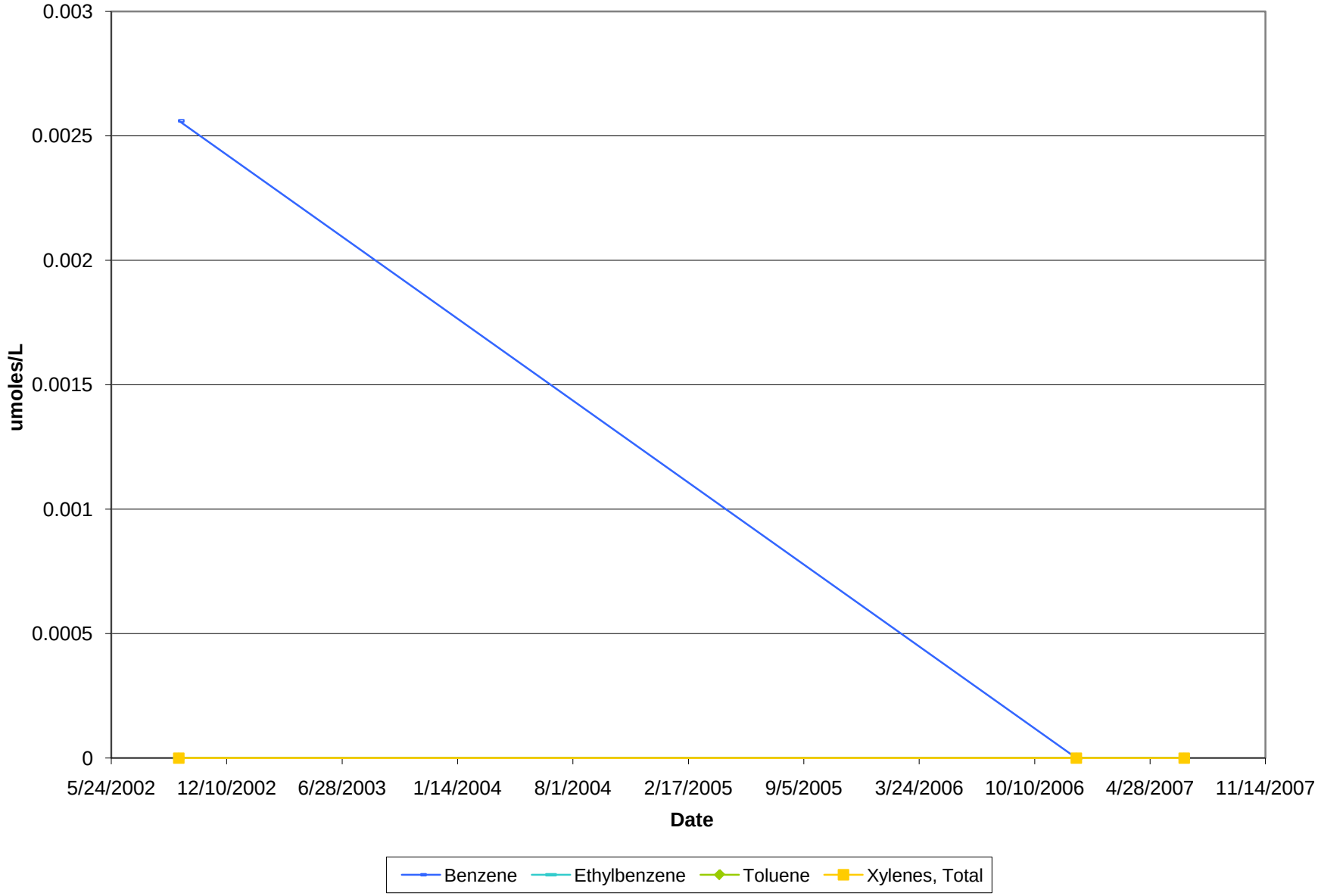
Data Record for Molar MW-19R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



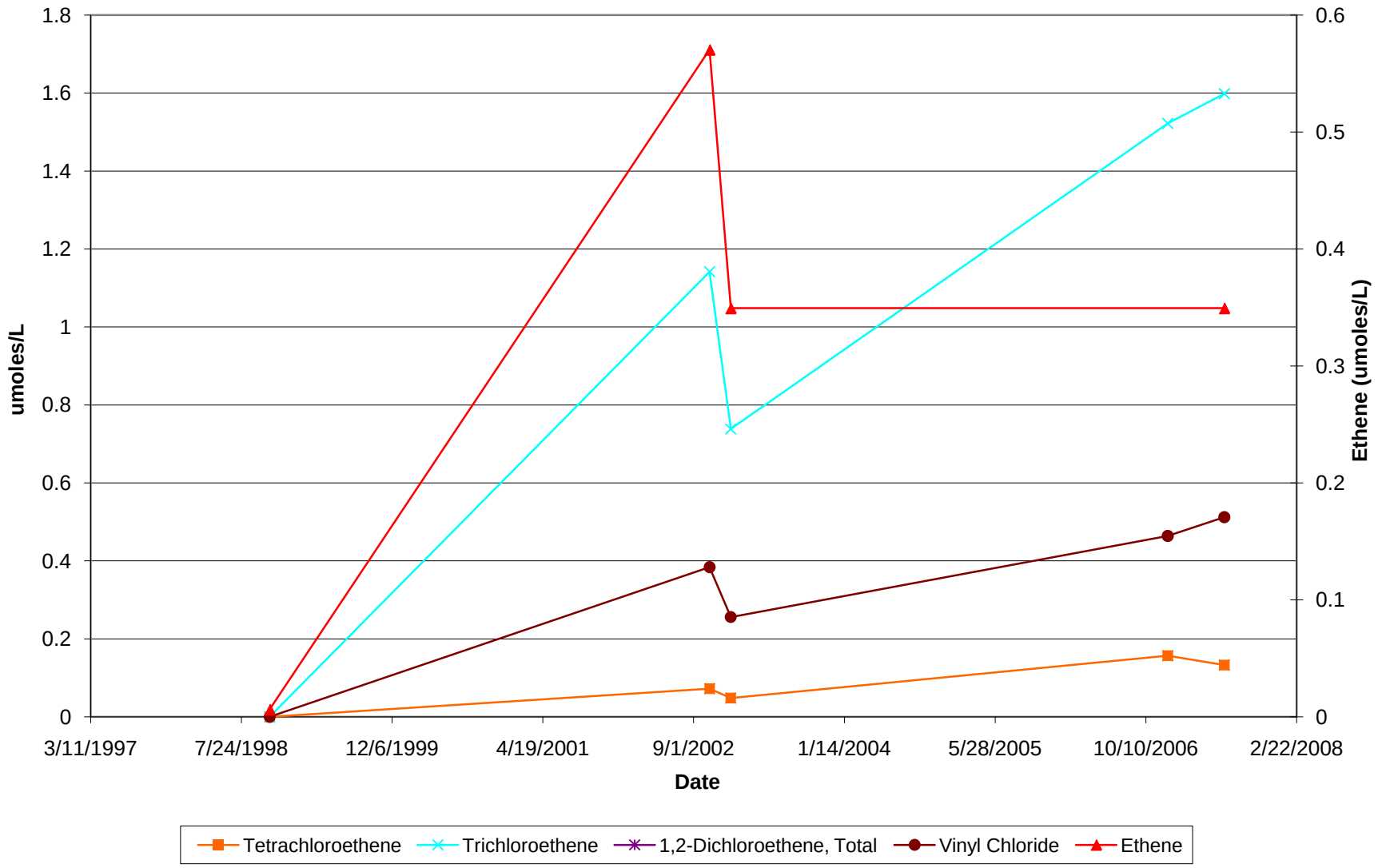
Data Record for Molar MW-19R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



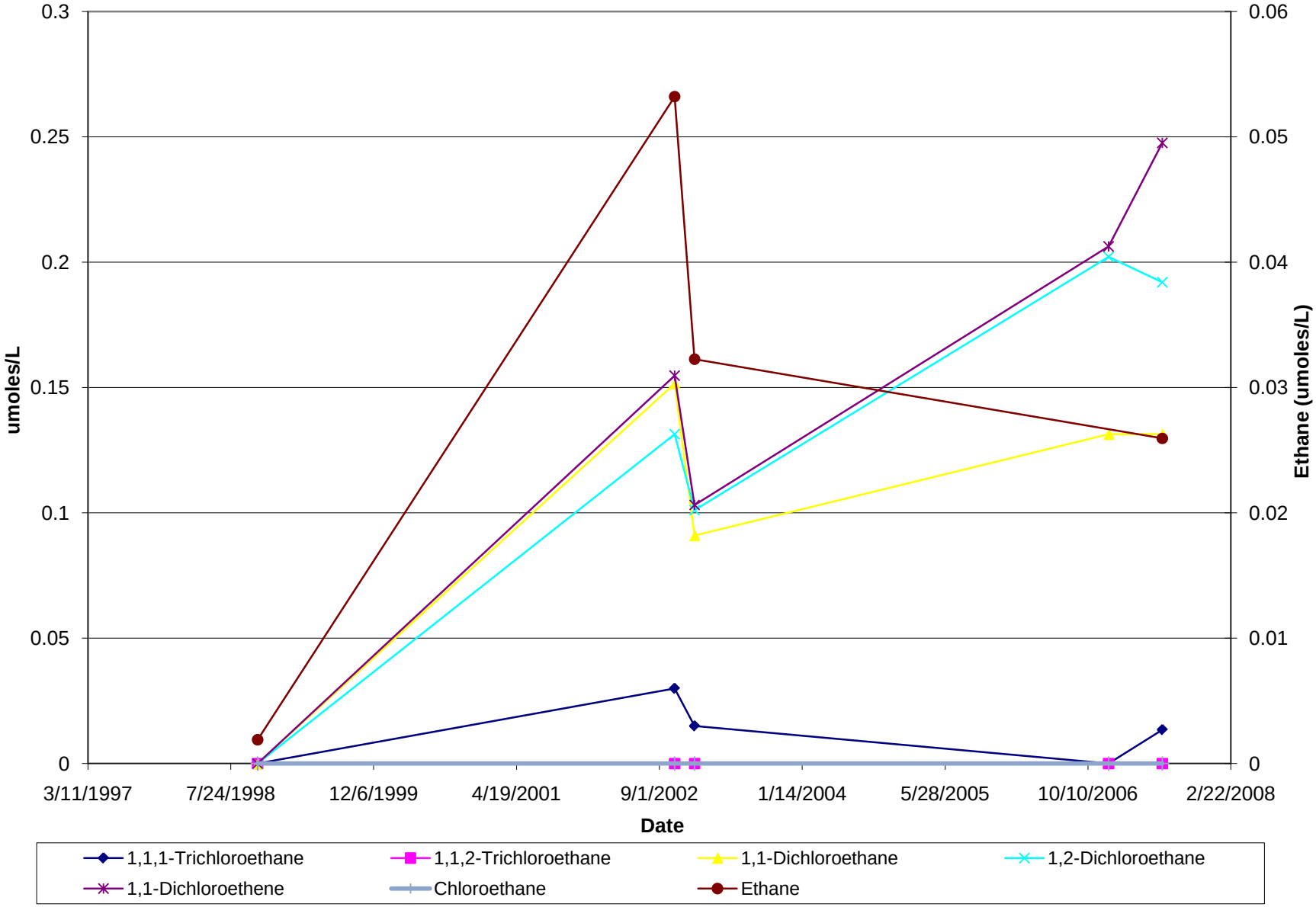
Data Record for Molar MW-19R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



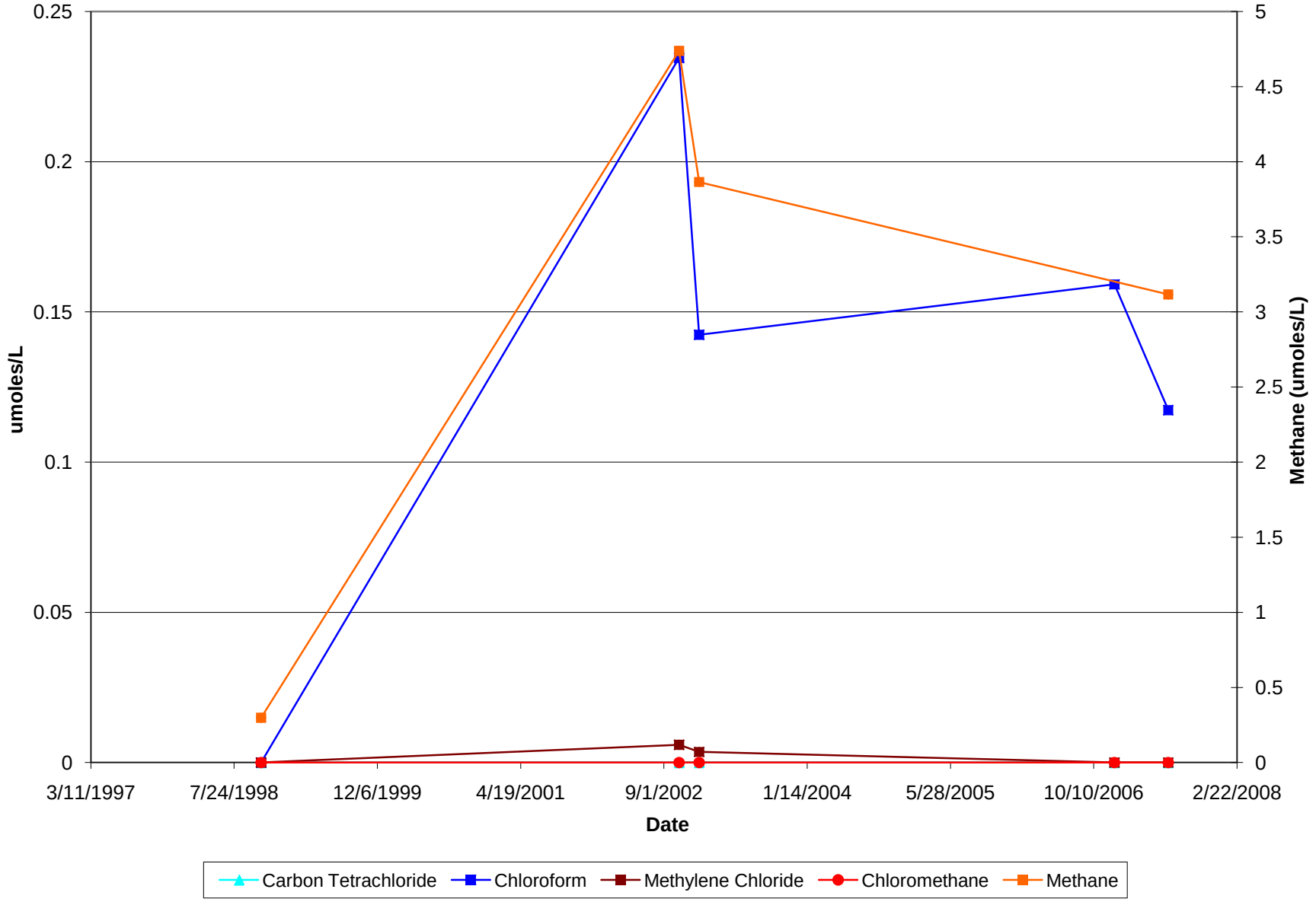
Data Record for Molar MW-20D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



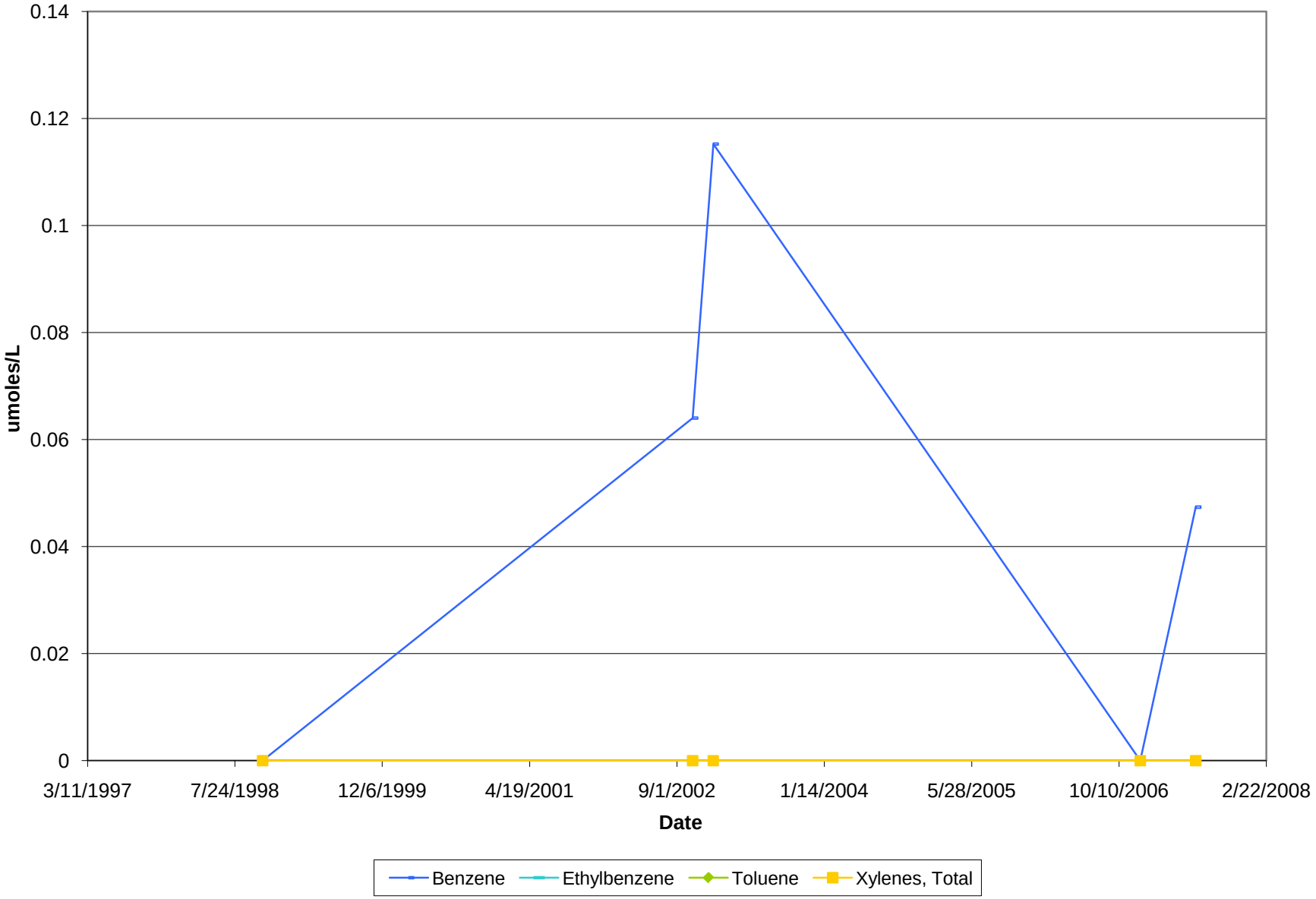
Data Record for Molar MW-20D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



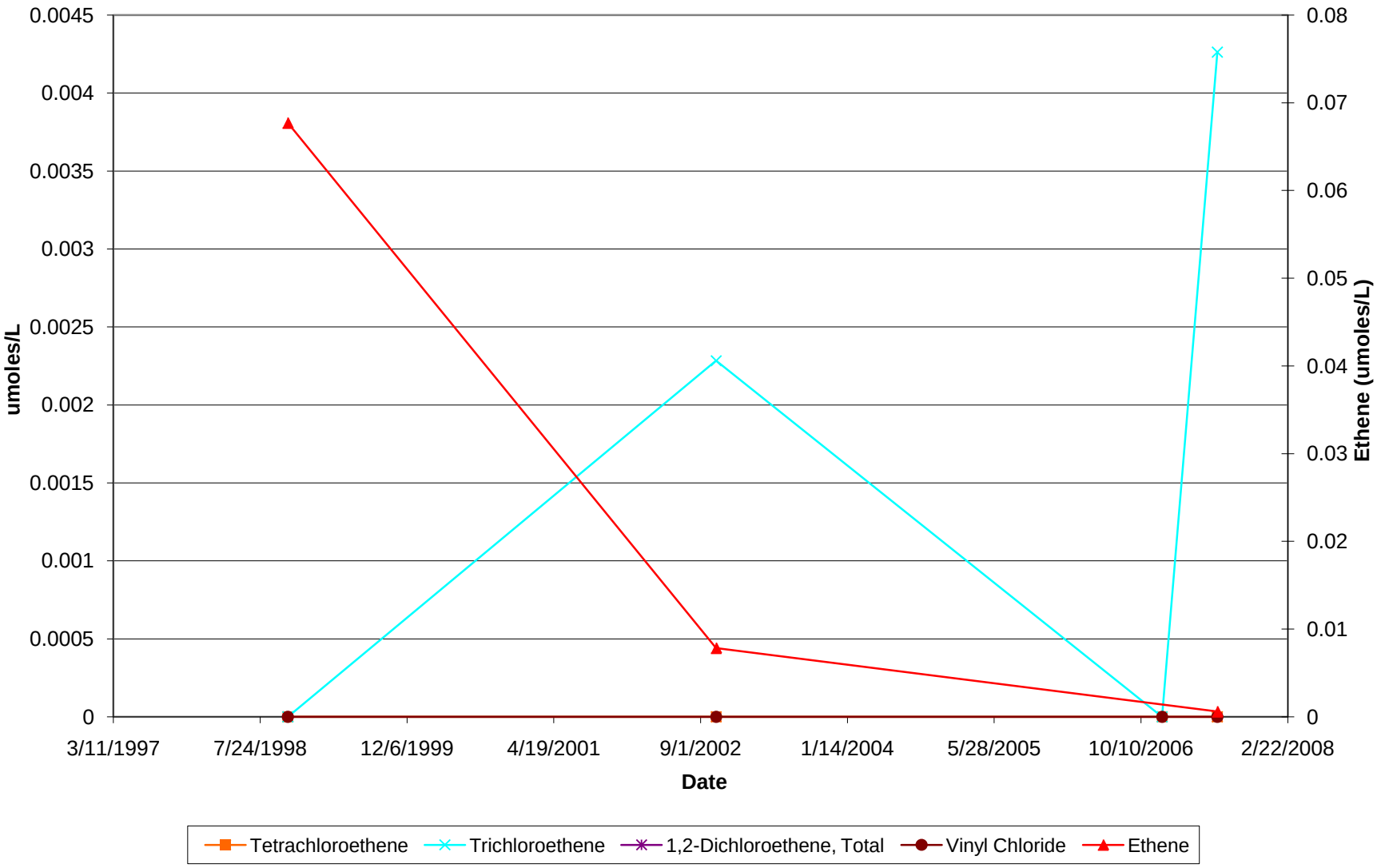
Data Record for Molar MW-20D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



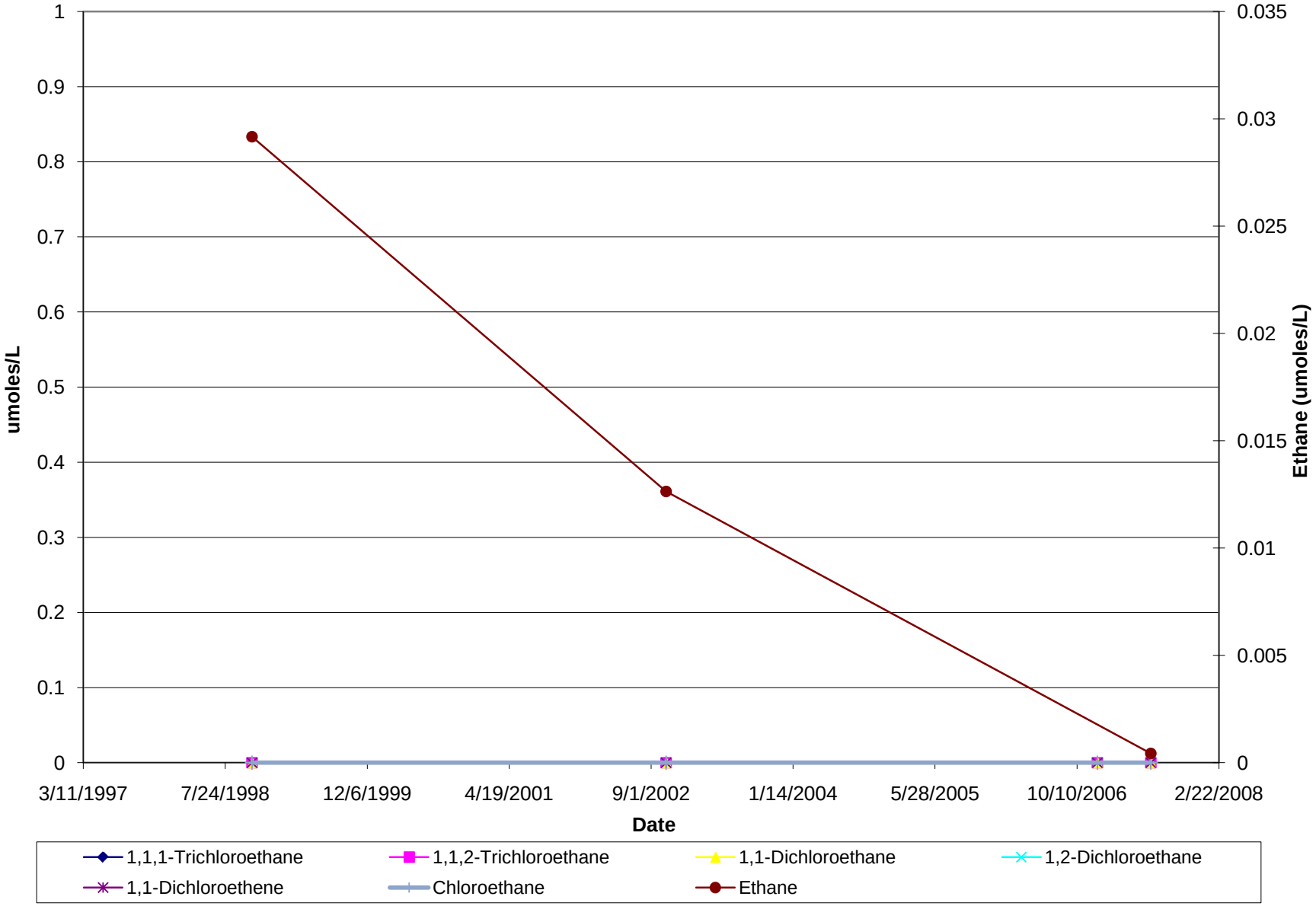
Data Record for Molar MW-20D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



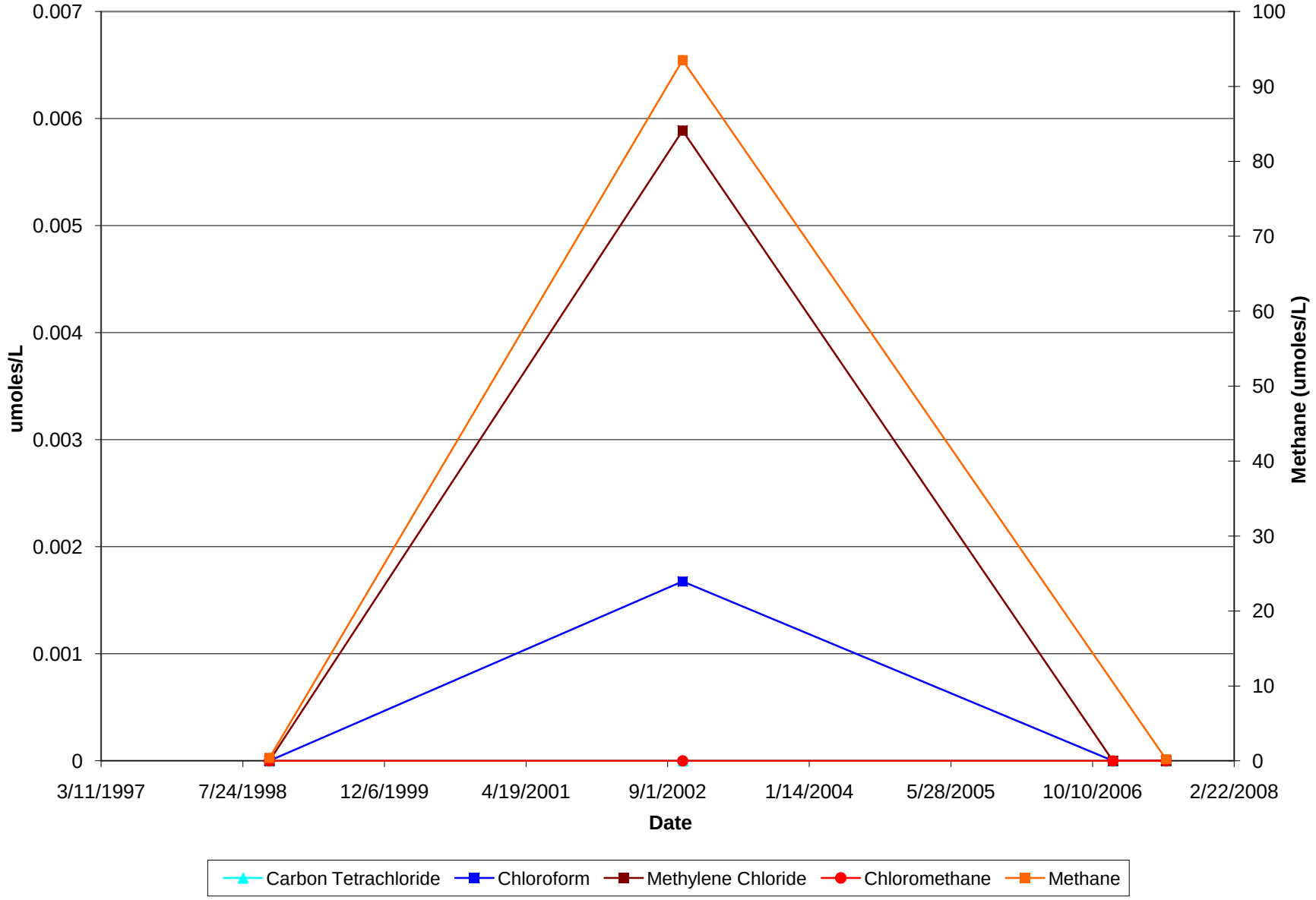
Data Record for Molar MW-20R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



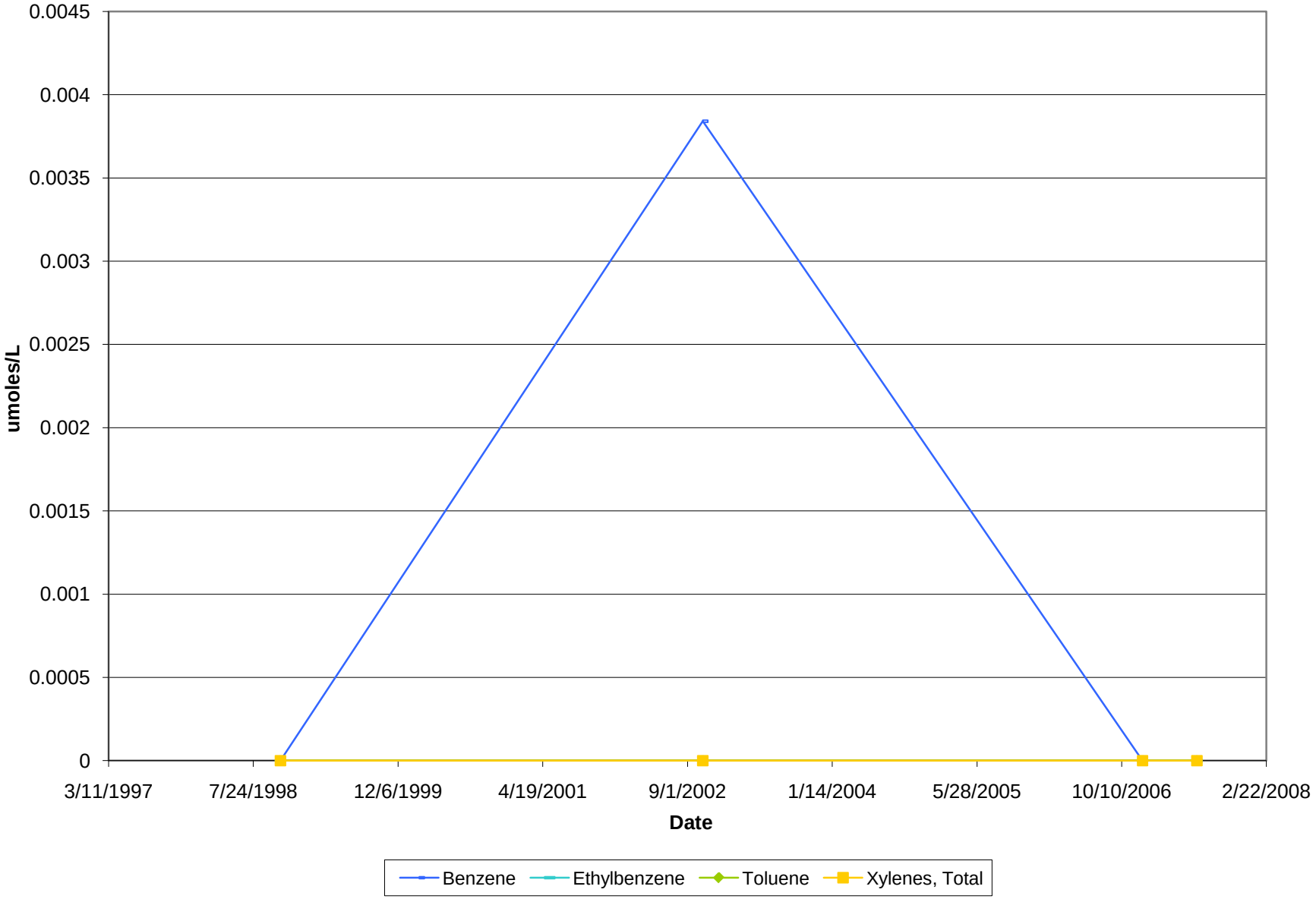
Data Record for Molar MW-20R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



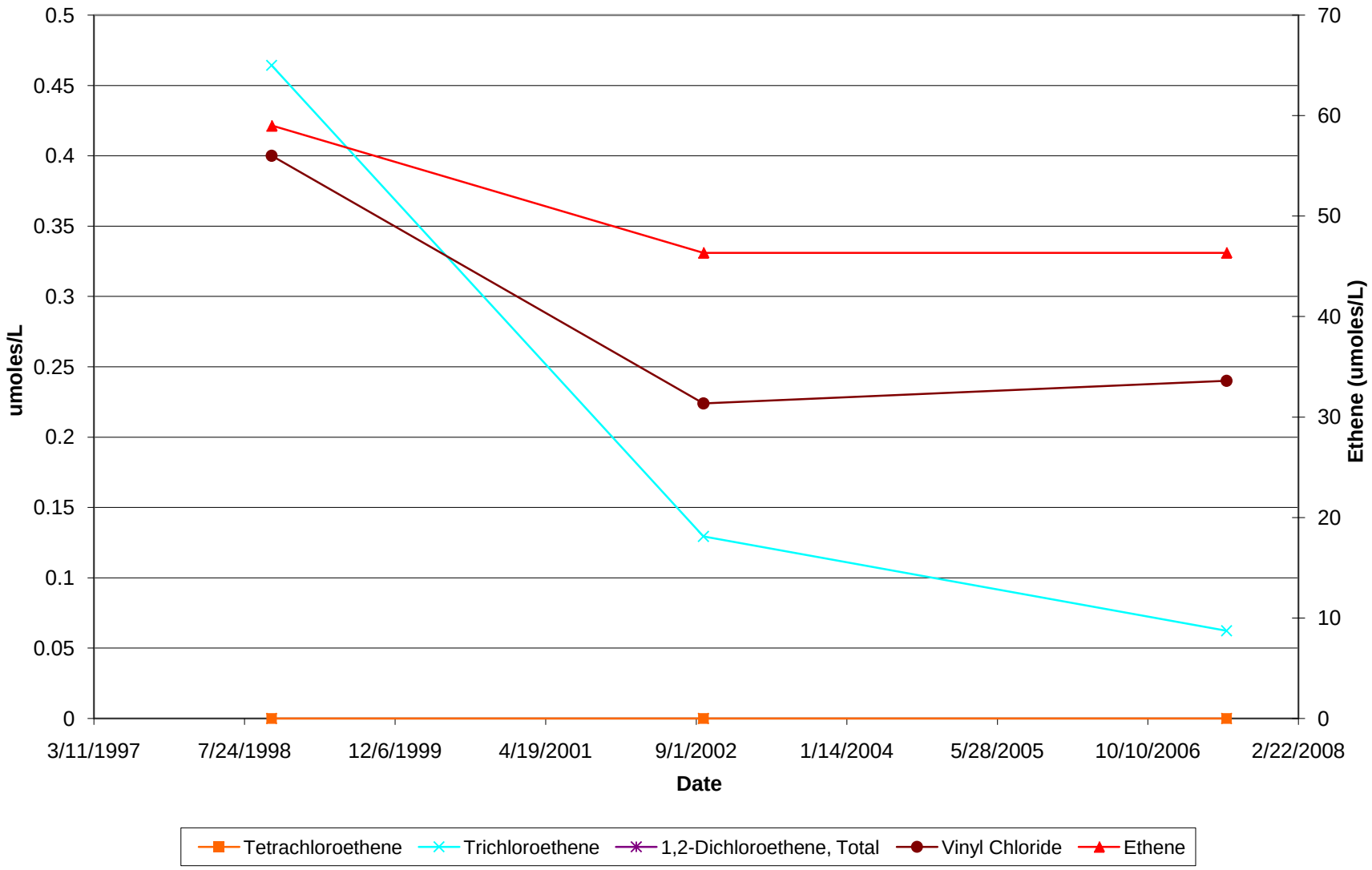
Data Record for Molar MW-20R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



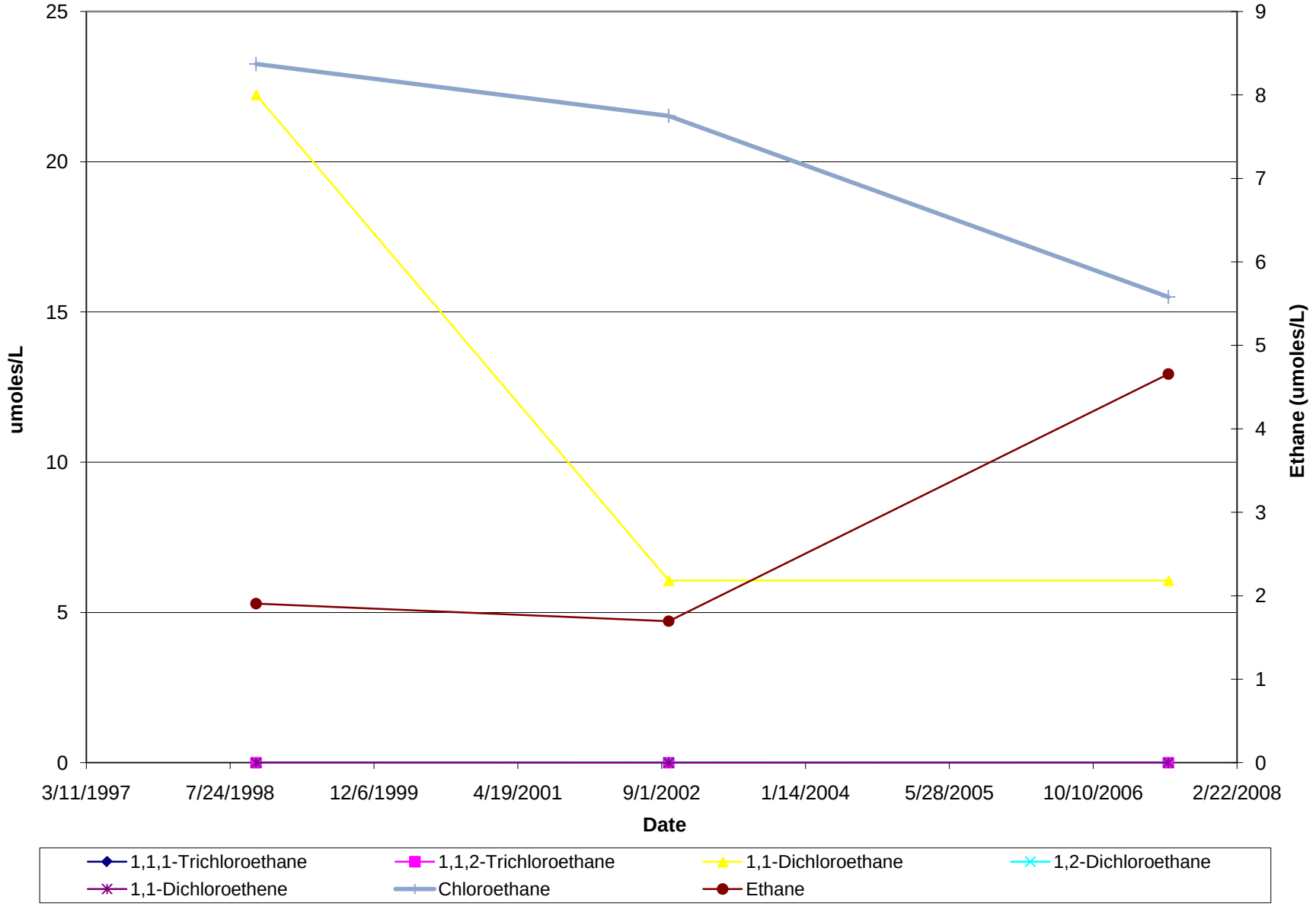
Data Record for Molar MW-20R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



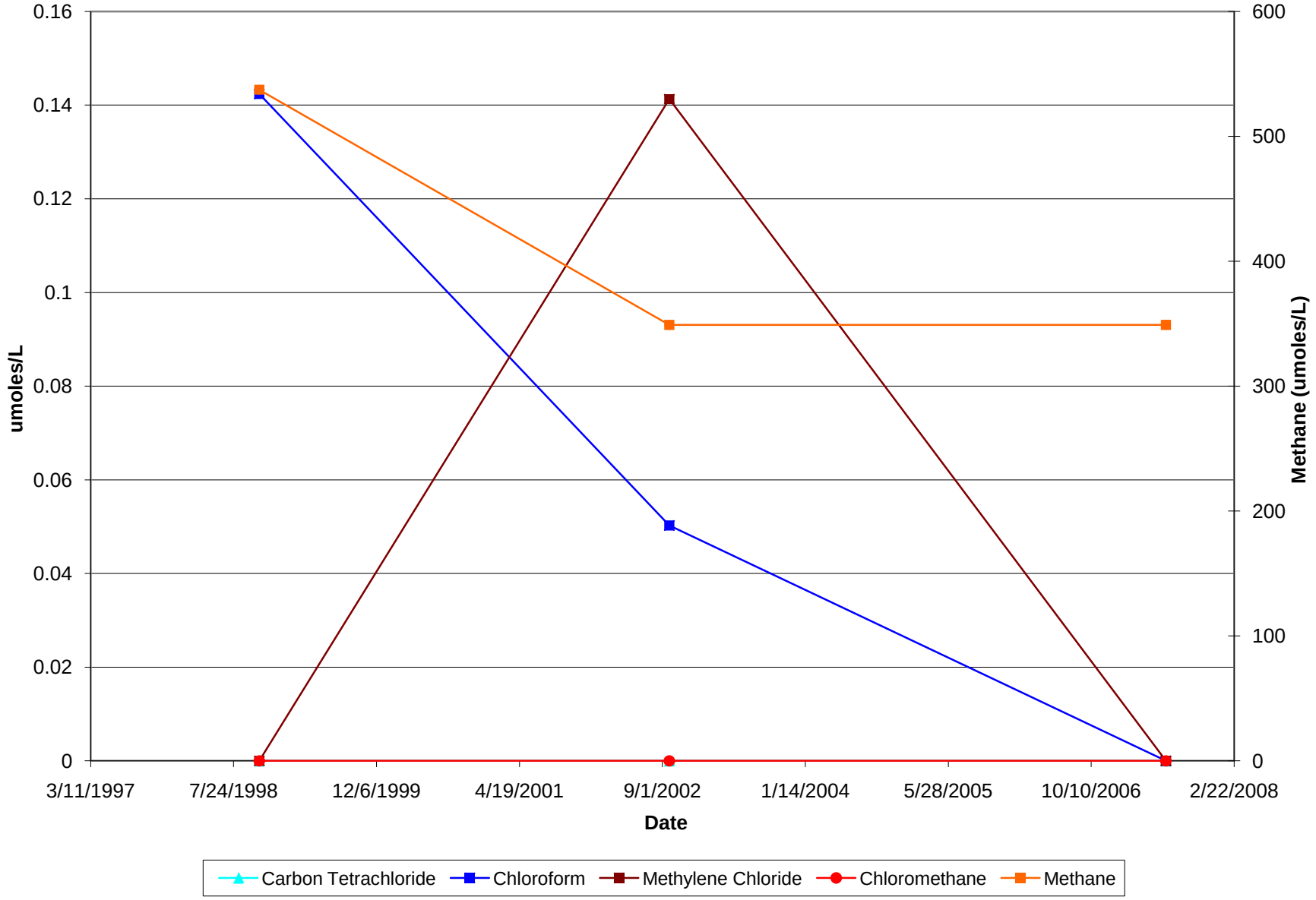
Data Record for Molar MW-21D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



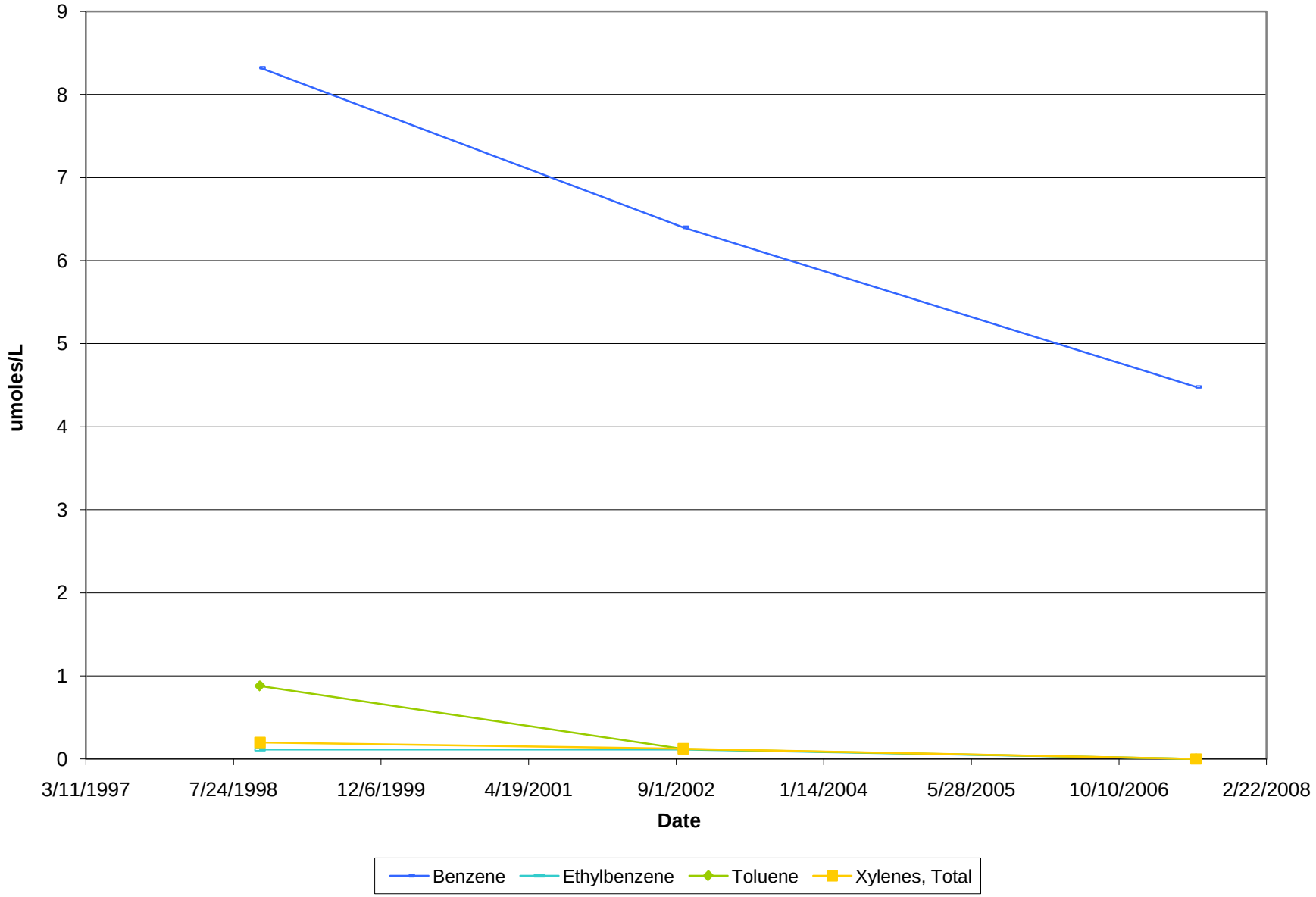
Data Record for Molar MW-21D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



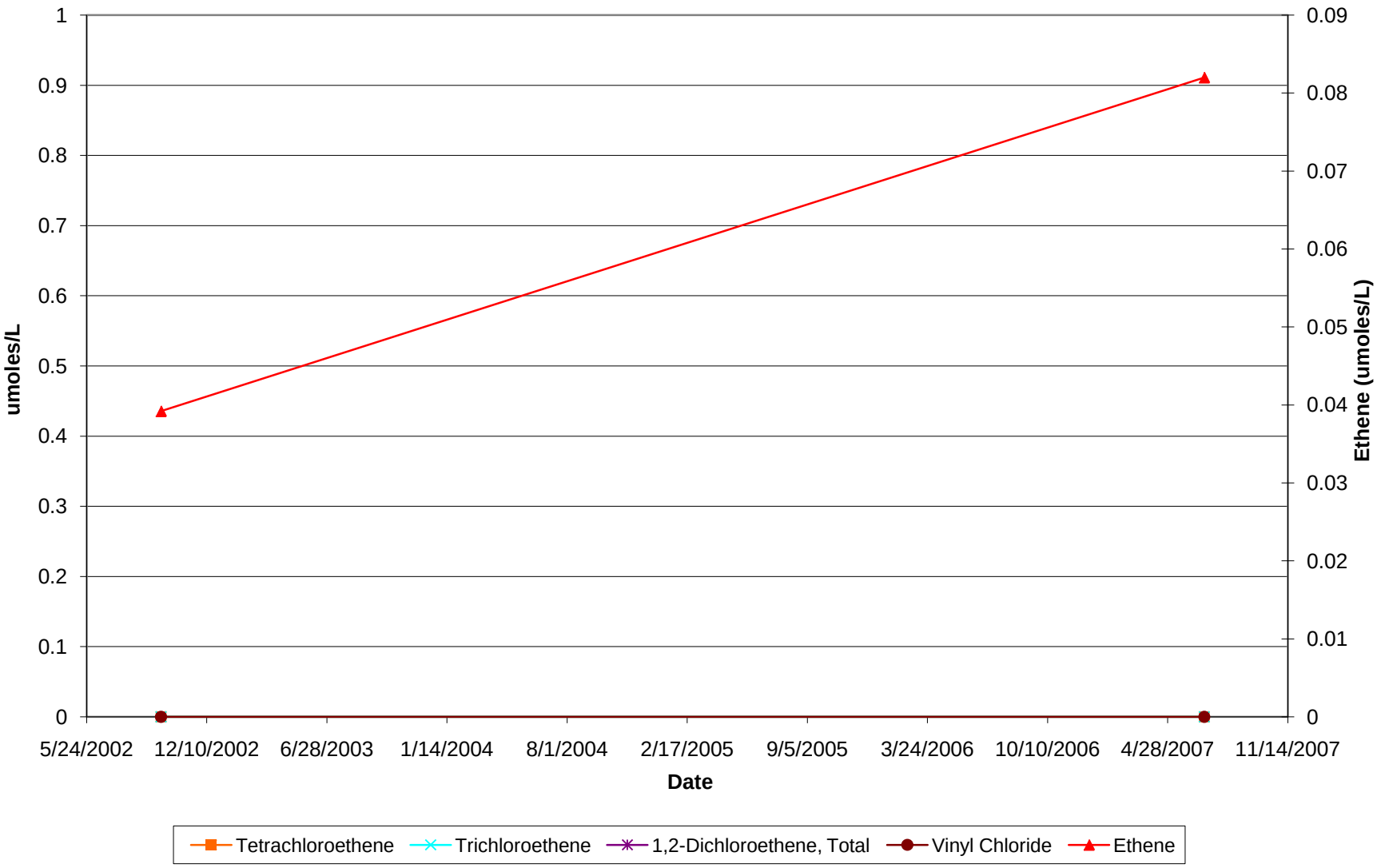
Data Record for Molar MW-21D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



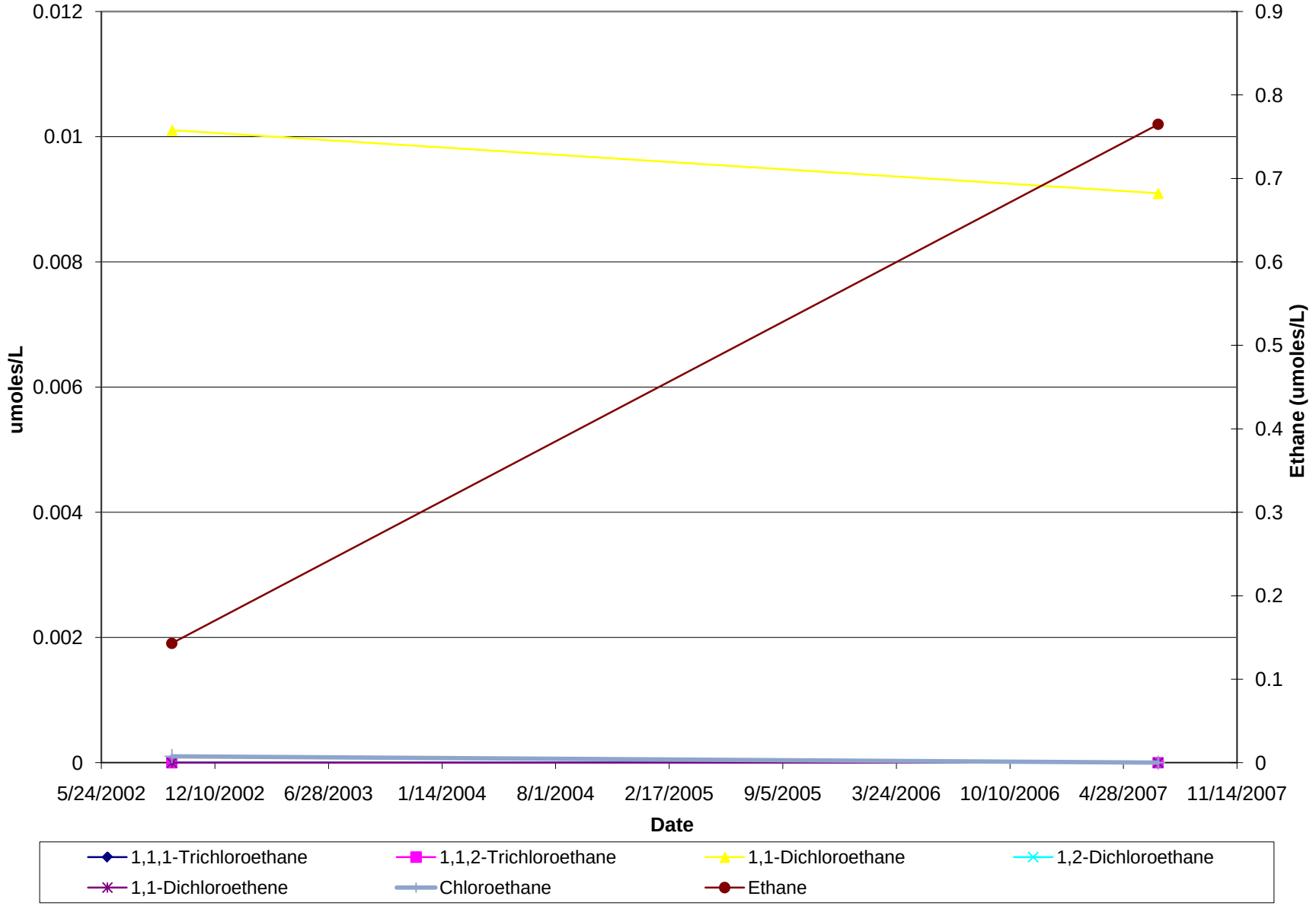
Data Record for Molar MW-21D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



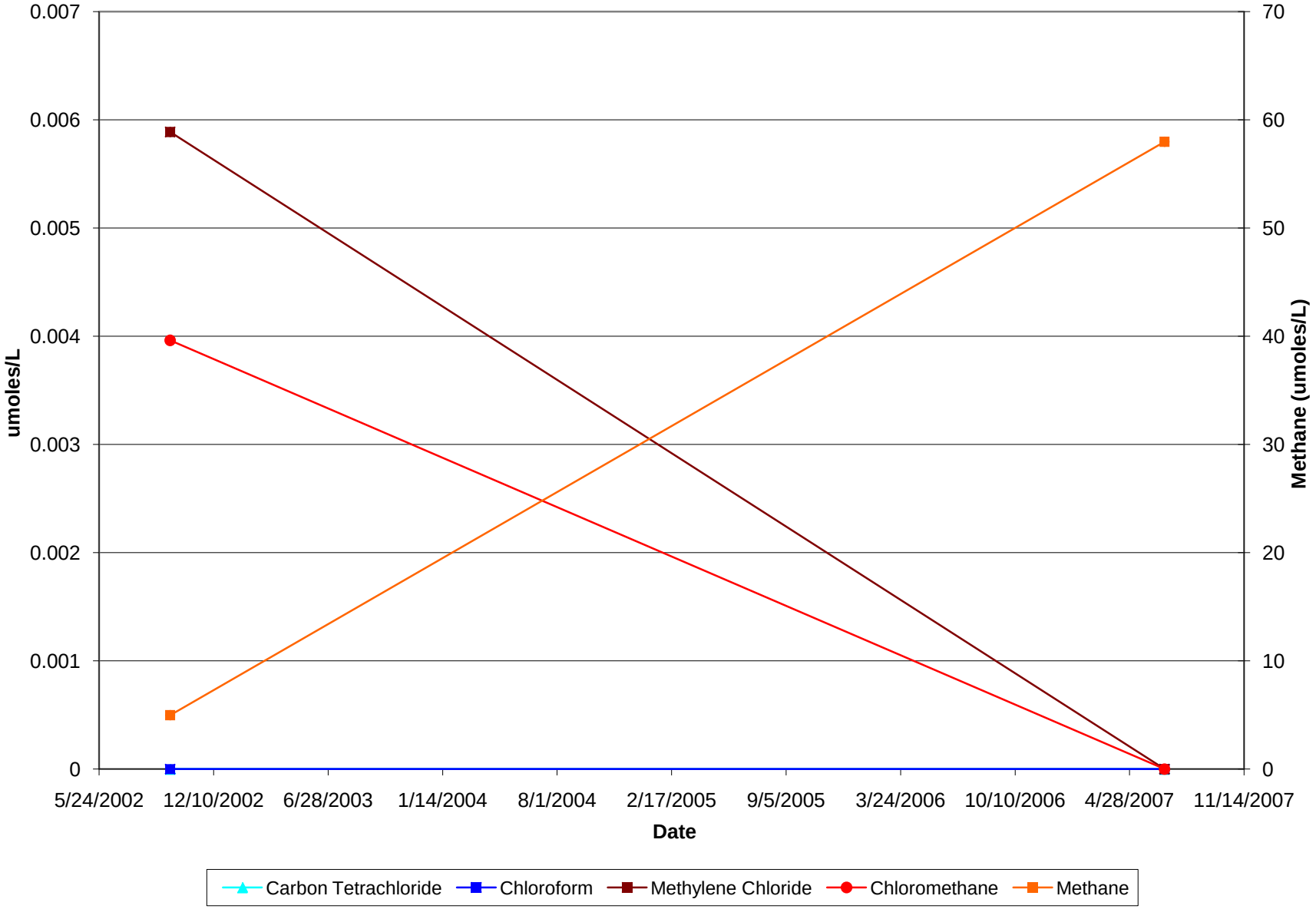
Data Record for Molar MW-22D PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



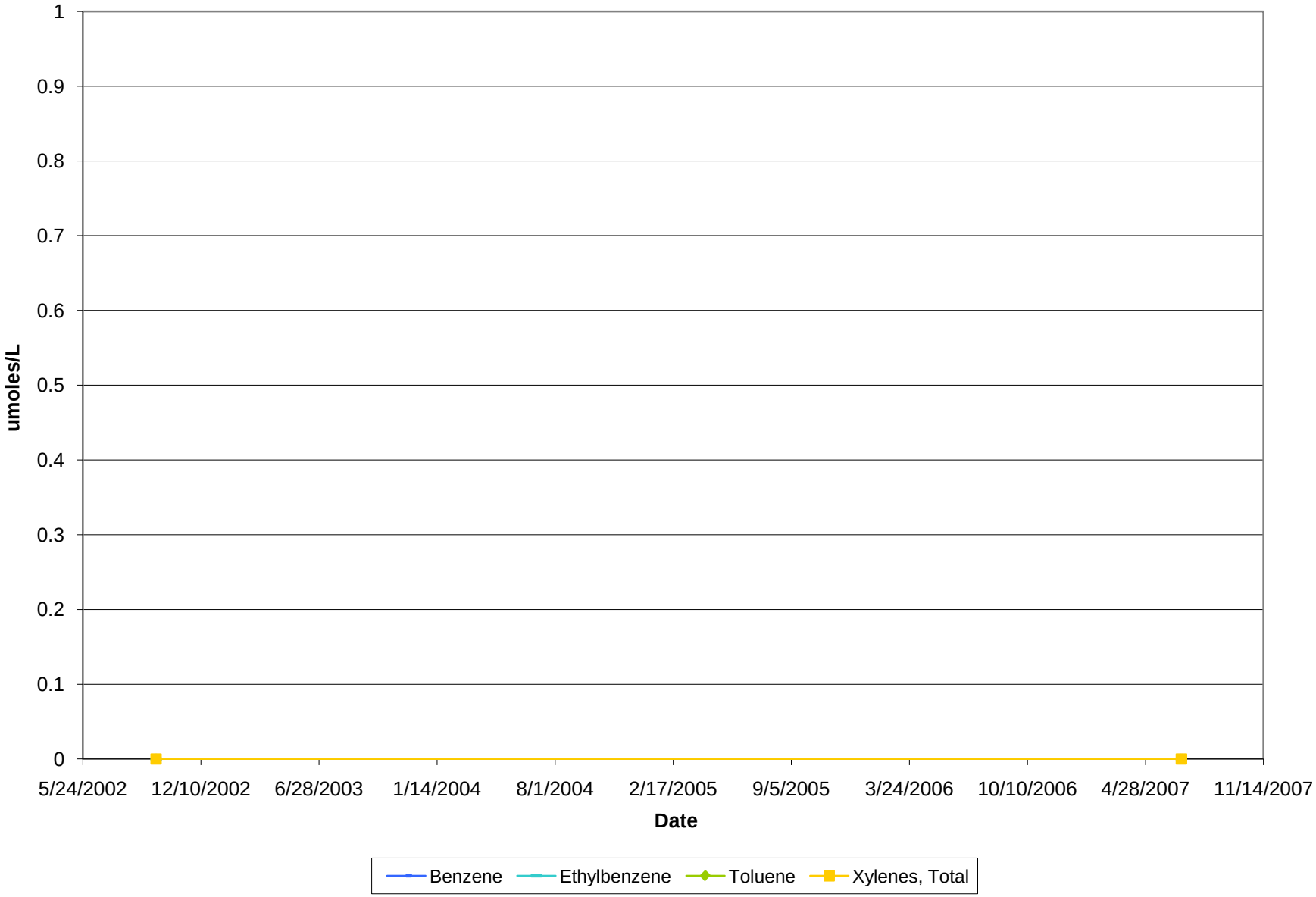
Data Record for Molar MW-22D TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



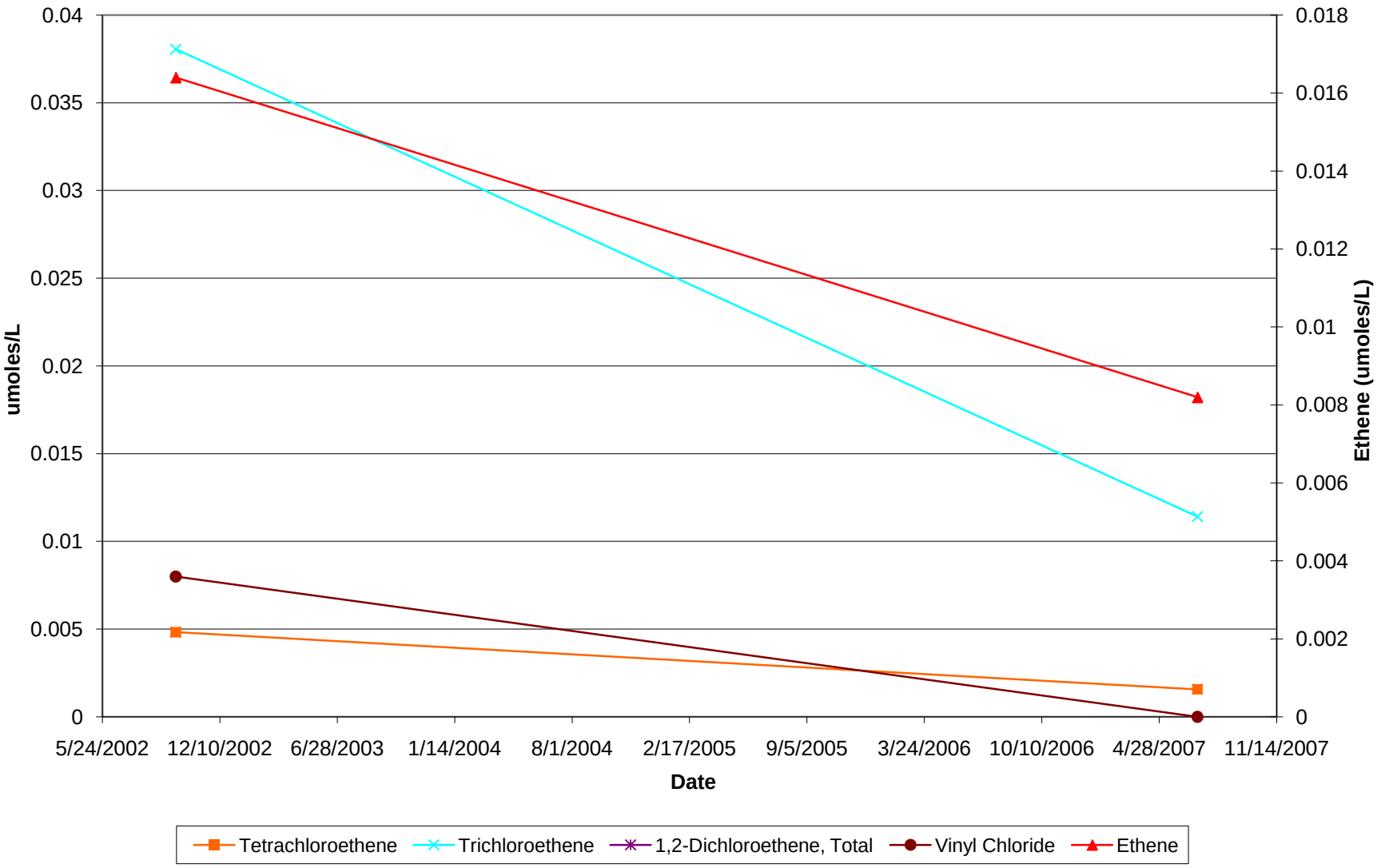
Data Record for Molar MW-22D CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



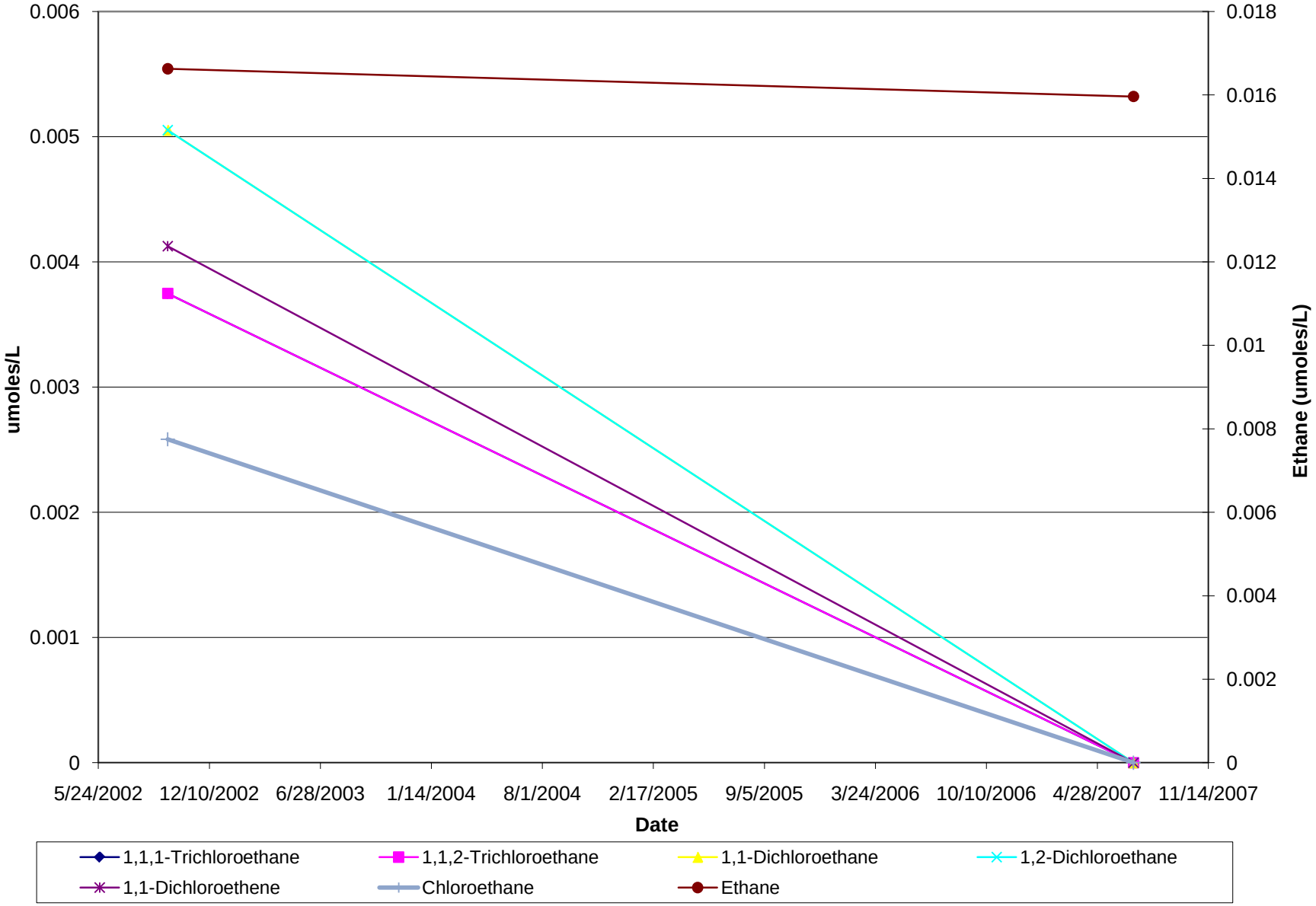
Data Record for Molar MW-22D BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



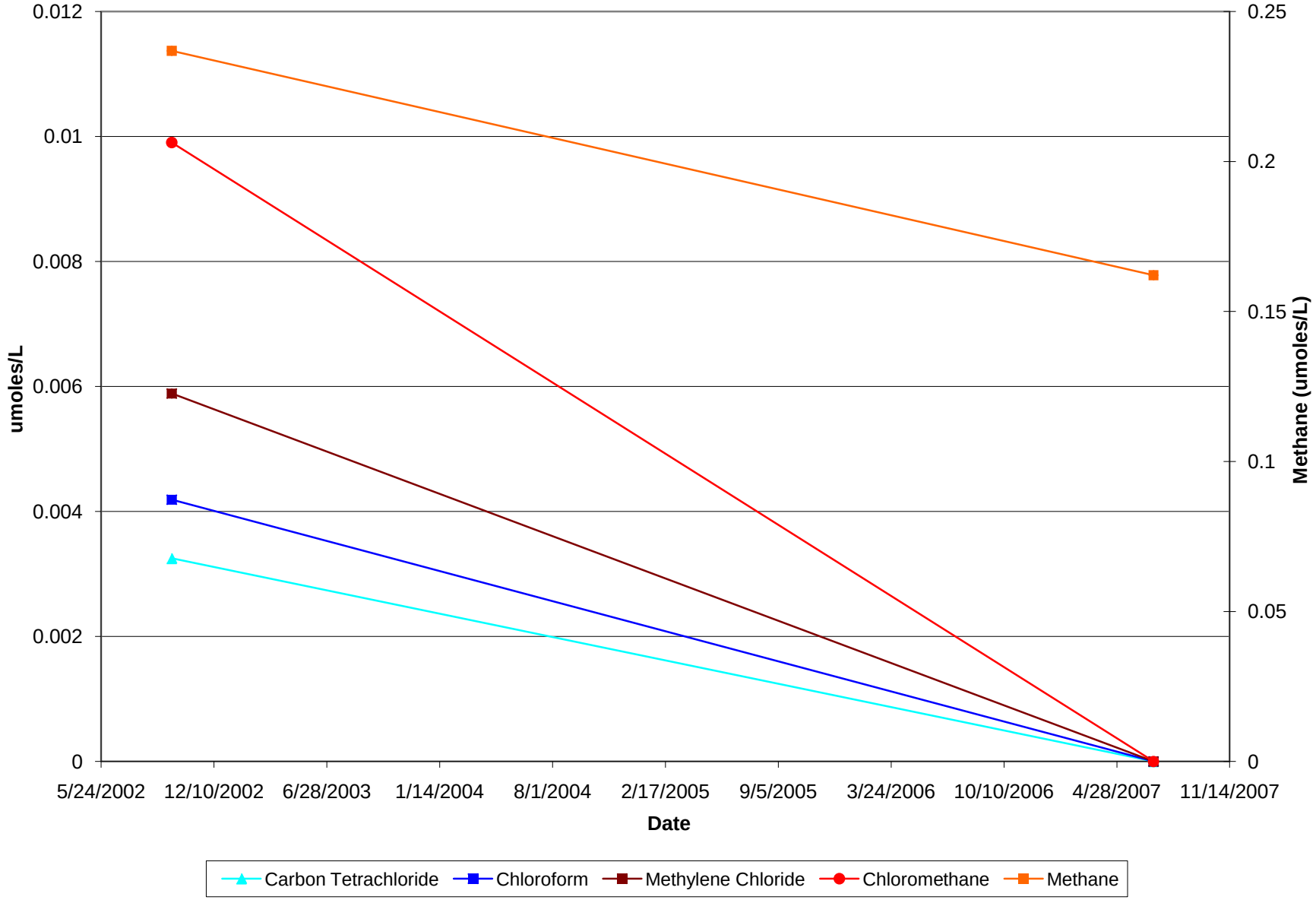
Data Record for Molar MW-23R PCE Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



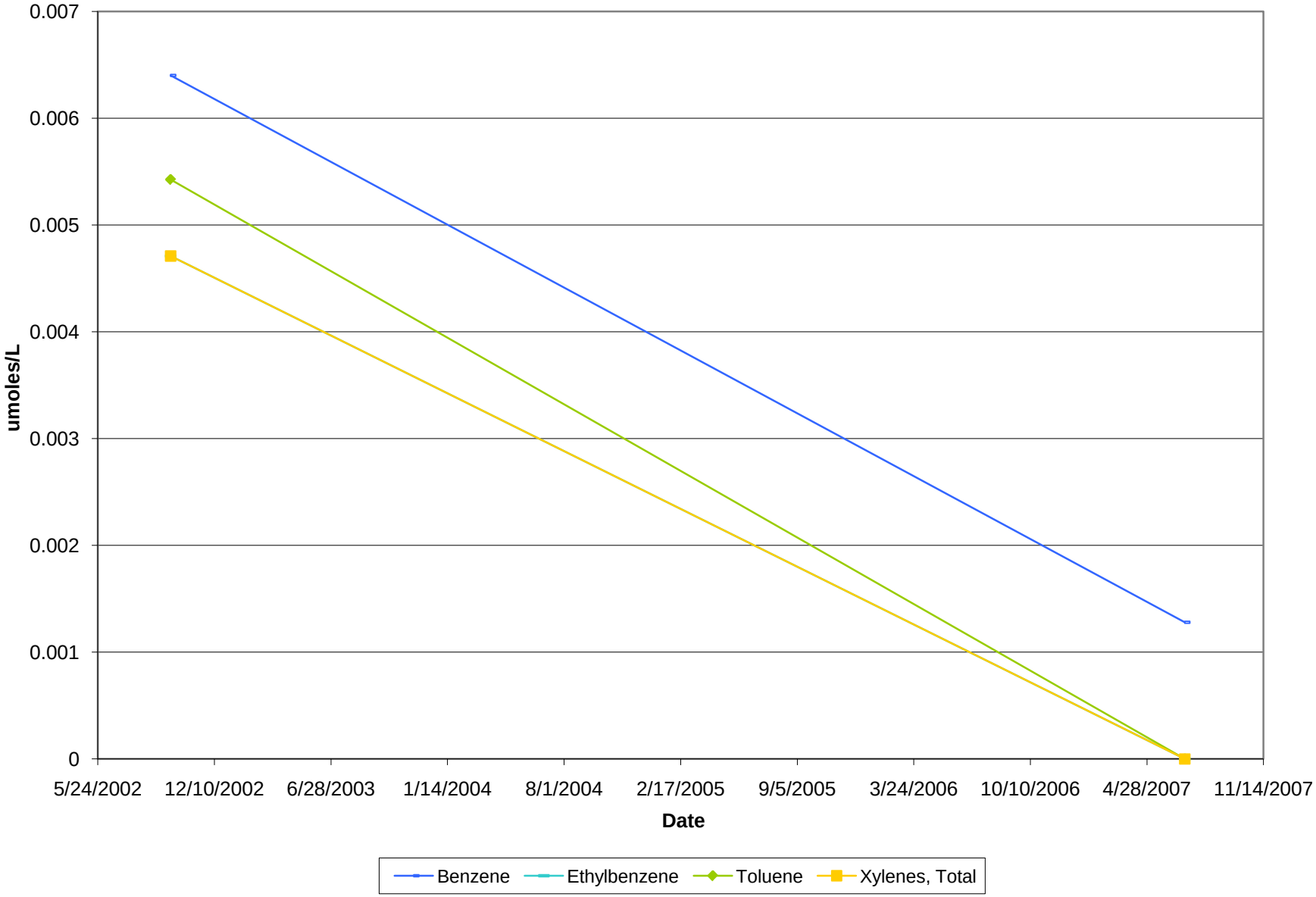
Data Record for Molar MW-23R TCA Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for Molar MW-23R CCl4 Chain
216 Paterson Plank Road Site
Carlstadt, New Jersey



Data Record for Molar MW-23R BTEX
216 Paterson Plank Road Site
Carlstadt, New Jersey



APPENDIX G

INTERIM REMEDY GROUNDWATER MONITORING RESULTS

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S		
		Sample Date:	07/21/1995			11/09/1995			01/22/1996			04/18/1996			09/18/1996			12/11/1996			02/11/1997			04/16/1997			07/30/1997		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	57		10	6	JB	10	36		10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70		NA			NA			NA			NA			NA			NA		< 10	U	10	< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dibromo-3-chloropropane	ug/l	0.02		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichlorobenzene	ug/l	600		NA			NA			NA		< 10	U	10	< 10	U	10		NA			NA			NA			NA	
1,3-Dichlorobenzene	ug/l	600		NA			NA			NA		< 10	U	10	< 10	U	10		NA			NA			NA			NA	
1,4-Dichlorobenzene	ug/l	75		NA			NA			NA		< 10	U	10	< 10	U	10		NA			NA			NA			NA	
Dichlorodifluoromethane	ug/l	1000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS	2	J	10	1	J	10	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10		NA			NA			NA	
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Acetate	ug/l	7000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	ug/l	70		NA			NA			NA			NA			NA			NA			NA			NA			NA	
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	**5**	BJ	10	2	JB	10	1	J	10	2	J	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10	1	J	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100		NA			NA			NA			NA			NA			NA		< 10	U	10	< 10	U	10	2	J	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9		NA			NA			NA		< 10	U	10	< 10	U	10		NA			NA			NA			NA	
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	**2**	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Ethene	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S		
		Sample Date:	11/05/1997			03/03/1998			04/29/1998			07/15/1998			10/20/1998			04/14/1999			07/22/1999			09/28/1999			12/16/1999		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	40		10	< 10	U	10	10		10	10		10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dibromo-3-chloropropane	ug/l	0.02		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichlorobenzene	ug/l	600	< 10	U	10		NA			NA			NA		< 10	U	10		NA			NA			NA		< 10	U	10
1,3-Dichlorobenzene	ug/l	600	< 10	U	10		NA			NA			NA		< 10	U	10		NA			NA			NA		< 10	U	10
1,4-Dichlorobenzene	ug/l	75	< 10	U	10		NA			NA			NA		< 10	U	10		NA			NA			NA			NA	
Dichlorodifluoromethane	ug/l	1000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Acetate	ug/l	7000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	ug/l	70		NA			NA			NA			NA			NA			NA			NA			NA			NA	
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 10	U	10	1	J	10	**5**	J	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	< 10	U	10		NA			NA			NA		< 10	U	10		NA			NA			NA			NA	
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Ethene	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S		
		Sample Date:	12/05/2000			03/14/2001			03/14/2001			11/27/2001			09/17/2002			11/03/2003			11/18/2004			11/09/2005			11/09/2006		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			FD			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	0.5		0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	UJ	10	< 10	UJ	10	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70	9	J	10	< 10	U	10	< 10	U	10	< 10	U	10	0.2	J	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/l	0.02	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/l	600	< 10	U	10	NA			NA			< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,3-Dichlorobenzene	ug/l	600	< 10	U	10	NA			NA			< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,4-Dichlorobenzene	ug/l	75	< 10	U	10	NA			NA			< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dichlorodifluoromethane	ug/l	1000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/l	50	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	**7**	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	**1**	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	UJ	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Acetate	ug/l	7000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-Butyl Ether	ug/l	70	NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	**11**		10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	0.2	J	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	< 10	U	10	NA			NA			< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	NA			NA			NA		
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	**16**		10	**7**	J	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethene	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-8S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S		
		Sample Date:	06/29/2007			07/21/1995			11/09/1995			01/19/1996			04/18/1996			09/19/1996			12/11/1996			02/11/1997			04/16/1997		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	11		10	< 10	U	10	46		10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	22	B	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 5	U	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70	0.29	J	0.5		NA			NA			NA			NA			NA			NA		< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dibromo-3-chloropropane	ug/l	0.02	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
Dibromochloromethane	ug/l	1	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichlorobenzene	ug/l	600	< 0.5	U	0.5		NA			NA			NA		< 10	U	10	< 10	U	10		NA			NA			NA	
1,3-Dichlorobenzene	ug/l	600	< 0.5	U	0.5		NA			NA			NA		< 10	U	10	< 10	U	10		NA			NA			NA	
1,4-Dichlorobenzene	ug/l	75	< 0.5	U	0.5		NA			NA			NA		< 10	U	10	< 10	U	10		NA			NA			NA	
Dichlorodifluoromethane	ug/l	1000	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
1,1-Dichloroethane	ug/l	50	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS		NA		< 10	U	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10		NA			NA	
Ethylbenzene	ug/l	700	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
2-Hexanone	ug/l	NS	< 5	U	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Acetate	ug/l	7000	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	ug/l	NS	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	ug/l	70	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
4-Methyl-2-pentanone	ug/l	NS	< 5	U	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 0.5	U	0.5	**3**	BJ	10	2	JB	10	1	JB	10	2	J	10	< 10	U	10	< 10	U	10	1	J	10	< 10	U	10
Styrene	ug/l	100	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	0.11	J	0.5		NA			NA			NA			NA			NA			NA		< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	< 0.5	U	0.5		NA			NA			NA		< 10	U	10	< 10	U	10		NA			NA			NA	
1,1,1-Trichloroethane	ug/l	30	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	ug/l	1	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Ethene	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S		
		Sample Date:	07/30/1997			11/05/1997			03/03/1998			03/03/1998			04/29/1998			04/29/1998			07/15/1998			10/22/1998			04/14/1999		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			FD			N			FD			N			N			N			FD		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	8	J	10	< 10	U	10	< 10	U	10	6	J	10	4	J	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/l	0.02	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/l	600	NA			< 10	U	10	NA			NA			NA			NA			NA			< 10	U	10	NA		
1,3-Dichlorobenzene	ug/l	600	NA			< 10	U	10	NA			NA			NA			NA			NA			< 10	U	10	NA		
1,4-Dichlorobenzene	ug/l	75	NA			< 10	U	10	NA			NA			NA			NA			NA			< 10	U	10	NA		
Dichlorodifluoromethane	ug/l	1000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Acetate	ug/l	7000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-Butyl Ether	ug/l	70	NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	1	J	10	**3**	J	10	2	J	10	2	J	10	< 10	U	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	NA			< 10	U	10	NA			NA			NA			NA			NA			< 10	U	10	NA		
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethene	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S		
		Sample Date:	04/14/1999			07/22/1999			09/28/1999			12/15/1999			12/05/2000			11/27/2001			09/17/2002			11/03/2003			11/18/2004		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	1	J	10	< 10	U	10	< 10	U	10	< 10	UJ	10	4	J	10	< 10	UJ	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	UJ	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	UJ	10	< 10	UJ	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	0.2	J	0.5	< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/l	0.02	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/l	600	NA			NA			NA			< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,3-Dichlorobenzene	ug/l	600	NA			NA			NA			< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,4-Dichlorobenzene	ug/l	75	NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Dichlorodifluoromethane	ug/l	1000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	UJ	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	UJ	10
1,2-Dichloroethene, Total	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	UJ	10	< 10	UJ	10
Isopropylbenzene	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Acetate	ug/l	7000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-Butyl Ether	ug/l	70	NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	UJ	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	UJ	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	0.9	J	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	NA		
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	UJ	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Ethane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethene	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-9S			MW-9S			MW-9S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S		
		Sample Date:	11/09/2005			11/09/2006			06/28/2007			07/21/1995			11/09/1995			01/19/1996			01/19/1996			04/18/1996			09/20/1996		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			FD			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	8	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	0.14	J	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 5	U	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	UJ	10		NA			NA			NA			NA			NA			NA	
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS		NA			NA		< 0.5	UJ	0.5		NA			NA			NA			NA			NA			NA	
1,2-Dibromo-3-chloropropane	ug/l	0.02		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
1,2-Dichlorobenzene	ug/l	600	< 10	U	10	< 10	U	10	< 0.5	U	0.5		NA			NA			NA			NA		< 10	U	10	< 10	U	10
1,3-Dichlorobenzene	ug/l	600	< 10	U	10	< 10	U	10	< 0.5	U	0.5		NA			NA			NA			NA		< 10	U	10	< 10	U	10
1,4-Dichlorobenzene	ug/l	75	< 10	U	10	< 10	U	10	< 0.5	U	0.5		NA			NA			NA			NA		< 10	U	10	< 10	U	10
Dichlorodifluoromethane	ug/l	1000		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	0.12	J	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS		NA			NA			NA		< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 5	U	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
Methyl Acetate	ug/l	7000		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	ug/l	NS		NA			NA		< 10	UJ	10		NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	ug/l	70		NA			NA		0.24	J	0.5		NA			NA			NA			NA			NA			NA	
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 0.5	U	0.5	**4**	JB	10	2	JB	10	< 10	U	10	< 10	U	10	2	J	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	UJ	10		NA			NA			NA			NA			NA			NA	
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA		< 10	U	10	< 10	U	10
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Ethene	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S		
		Sample Date:	12/11/1996			02/11/1997			04/16/1997			07/30/1997			11/04/1997			03/03/1998			04/29/1998			07/15/1998			10/21/1998		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	7	J	10	< 10	U	10	< 10	U	10	33		10	12		10	< 10	U	10	2	J	10	9	J	10	< 10	U	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70		NA		< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dibromo-3-chloropropane	ug/l	0.02		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichlorobenzene	ug/l	600		NA			NA			NA			NA		< 10	U	10		NA			NA			NA		< 10	U	10
1,3-Dichlorobenzene	ug/l	600		NA			NA			NA			NA		< 10	U	10		NA			NA			NA		< 10	U	10
1,4-Dichlorobenzene	ug/l	75		NA			NA			NA			NA		< 10	U	10		NA			NA			NA		< 10	U	10
Dichlorodifluoromethane	ug/l	1000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS	< 10	U	10		NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Acetate	ug/l	7000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	ug/l	70		NA			NA			NA			NA			NA			NA			NA			NA			NA	
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	2	J	10	< 10	U	10	2	J	10	**3**	J	10	2	J	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100		NA		< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9		NA			NA			NA			NA		< 10	U	10		NA			NA			NA		< 10	U	10
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Ethene	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S		
		Sample Date:	03/25/1999			07/22/1999			09/28/1999			12/15/1999			12/05/2000			11/27/2001			09/19/2002			11/03/2003			11/16/2004		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	UJ	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	0.3	J	0.5	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	1	J	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	UJ	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	UJ	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	UJ	10	< 10	UJ	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	0.2	J	0.5	< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/l	0.02	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/l	600	NA			NA			NA			< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
1,3-Dichlorobenzene	ug/l	600	NA			NA			NA			< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
1,4-Dichlorobenzene	ug/l	75	NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Dichlorodifluoromethane	ug/l	1000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	UJ	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	UJ	10
1,2-Dichloroethene, Total	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	UJ	10	< 10	UJ	10
Isopropylbenzene	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Acetate	ug/l	7000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-Butyl Ether	ug/l	70	NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	UJ	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	**2**	J	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	NA		
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	UJ	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	**4**	J	10
Trichlorofluoromethane	ug/l	2000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	UJ	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5	< 10	U	10	< 10	U	10
Ethane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethene	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-10S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S		
		Sample Date:	11/09/2005			07/23/1995			11/12/1995			01/21/1996			04/21/1996			09/24/1996			12/12/1996			02/12/1997			04/16/1997		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	17		10	< 10	U	10	< 10	U	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	NA			NA			NA			NA			NA			NA			< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/l	0.02	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/l	600	< 10	U	10	NA			NA			NA			< 10	U	10	< 10	U	10	NA			NA			NA		
1,3-Dichlorobenzene	ug/l	600	< 10	U	10	NA			NA			NA			< 10	U	10	< 10	U	10	NA			NA			NA		
1,4-Dichlorobenzene	ug/l	75	< 10	U	10	NA			NA			NA			< 10	U	10	< 10	U	10	NA			NA			NA		
Dichlorodifluoromethane	ug/l	1000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS	NA			< 10	U	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	NA			NA		
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Acetate	ug/l	7000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-Butyl Ether	ug/l	70	NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 10	U	10	**3**	JB	10	1	JB	10	1	J	10	2	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	NA			NA			NA			NA			NA			NA			< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	NA			NA			NA			NA			< 10	U	10	< 10	U	10	NA			NA			NA		
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	**1**	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethene	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S		
		Sample Date:	07/30/1997			11/06/1997			03/03/1998			04/29/1998			07/15/1998			07/15/1998			10/27/1998			03/25/1999			07/22/1999		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			FD			N			N			N			FD		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	30		10	11		10	< 10	U	10	14		10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	3	J	10	< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dibromo-3-chloropropane	ug/l	0.02		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,2-Dichlorobenzene	ug/l	600		NA		< 10	U	10		NA			NA			NA			NA		< 10	U	10		NA			NA	
1,3-Dichlorobenzene	ug/l	600		NA		< 10	U	10		NA			NA			NA			NA		< 10	U	10		NA			NA	
1,4-Dichlorobenzene	ug/l	75		NA		< 10	U	10		NA			NA			NA			NA		< 10	U	10		NA			NA	
Dichlorodifluoromethane	ug/l	1000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Acetate	ug/l	7000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	ug/l	70		NA			NA			NA			NA			NA			NA			NA			NA			NA	
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	2	J	10	**4**	J	10	**3**	J	10	2	J	10	< 10	U	10	< 10	U	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9		NA		< 10	U	10		NA			NA			NA			NA		< 10	U	10		NA			NA	
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	**1**	J	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Ethene	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	
Methane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA			NA			NA	

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S		
		Sample Date:	07/22/1999			09/28/1999			09/28/1999			12/16/1999			12/06/2000			11/28/2001			09/19/2002			11/04/2003			11/16/2004		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			FD			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	6	J	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	4	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	UJ	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	1	J	10	< 0.5	U	0.5	< 10	U	10	2	J	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/l	0.02	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/l	600	NA			NA			NA			< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,3-Dichlorobenzene	ug/l	600	NA			NA			NA			< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,4-Dichlorobenzene	ug/l	75	NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Dichlorodifluoromethane	ug/l	1000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	UJ	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Acetate	ug/l	7000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-Butyl Ether	ug/l	70	NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	0.9	J	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	3	J	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	NA		
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	**1**	J	10
Trichlorofluoromethane	ug/l	2000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10
Ethane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethene	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-11S			MW-11S			MW-11S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	11/10/2005			11/07/2006			07/02/2007			07/23/1995			11/12/1995			01/21/1996			04/21/1996			09/23/1996			12/12/1996		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	5	JB	10	< 10	U	10	< 10	U	10	< 10	UJ	10	18		10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 5	U	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
1,2-Dibromo-3-chloropropane	ug/l	0.02		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
1,2-Dichlorobenzene	ug/l	600	< 10	U	10	< 10	U	10	< 0.5	U	0.5		NA			NA			NA		< 10	U	10	< 10	U	10		NA	
1,3-Dichlorobenzene	ug/l	600	< 10	U	10	< 10	U	10	< 0.5	U	0.5		NA			NA			NA		< 10	U	10	< 10	U	10		NA	
1,4-Dichlorobenzene	ug/l	75	< 10	U	10	< 10	U	10	< 0.5	U	0.5		NA			NA			NA		< 10	U	10	< 10	U	10		NA	
Dichlorodifluoromethane	ug/l	1000		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS		NA			NA			NA		< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 5	U	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
Methyl Acetate	ug/l	7000		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
Methyl Cyclohexane	ug/l	NS		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
Methyl tert-Butyl Ether	ug/l	70		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 5	U	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 0.5	U	0.5	**5**	JB	10	1	JB	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9		NA			NA		< 0.5	U	0.5		NA			NA			NA		< 10	U	10	< 10	U	10		NA	
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000		NA			NA		< 0.5	U	0.5		NA			NA			NA			NA			NA			NA	
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 0.5	U	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS		NA			NA		0.007	J	0.025		NA			NA			NA			NA			NA			NA	
Ethene	ug/l	NS		NA			NA		0.028		0.025		NA			NA			NA			NA			NA			NA	
Methane	ug/l	NS		NA			NA		24		0.1		NA			NA			NA			NA			NA			NA	

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	02/12/1997			04/16/1997			04/16/1997			07/30/1997			07/30/1997			11/04/1997			03/03/1998			04/29/1998			07/15/1998		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			FD			N			FD			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	8	JB	10	< 10	U	10	19		10	18		10	< 10	U	10	< 10	U	10	4	J	10	8	J	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/l	0.02	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dibromoethane	ug/l	0.03	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/l	600	NA			NA			NA			NA			NA			< 10	U	10	NA			NA			NA		
1,3-Dichlorobenzene	ug/l	600	NA			NA			NA			NA			NA			< 10	U	10	NA			NA			NA		
1,4-Dichlorobenzene	ug/l	75	NA			NA			NA			NA			NA			< 10	U	10	NA			NA			NA		
Dichlorodifluoromethane	ug/l	1000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2-Dichloroethene, Total	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Freon 113	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isopropylbenzene	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Acetate	ug/l	7000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-Butyl Ether	ug/l	70	NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	2	J	10	2	J	10	< 10	U	10	1	J	10	**4**	J	10	2	J	10
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,2,4-Trichlorobenzene	ug/l	9	NA			NA			NA			NA			NA			< 10	U	10	NA			NA			NA		
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Ethane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethene	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	10/26/1998			03/25/1999			03/25/1999			07/21/1999			09/28/1999			12/16/1999			12/06/2000			11/28/2001			09/26/2002		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			FD			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Benzene	ug/l	1	**1**	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Chloromethane	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	0.8	J	10	< 0.5	UJ	0.5
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dibromo-3-chloropropane	ug/l	0.02	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,2-Dibromoethane	ug/l	0.03	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	ug/l	600	< 10	U	10	NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,3-Dichlorobenzene	ug/l	600	< 10	U	10	NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,4-Dichlorobenzene	ug/l	75	< 10	U	10	NA			NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Dichlorodifluoromethane	ug/l	1000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,2-Dichloroethene, Total	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Freon 113	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Isopropylbenzene	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Acetate	ug/l	7000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl Cyclohexane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methyl tert-Butyl Ether	ug/l	70	NA			NA			NA			NA			NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Toluene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,2,4-Trichlorobenzene	ug/l	9	< 10	U	10	NA			NA			NA			NA			NA			< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Trichlorofluoromethane	ug/l	2000	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	UJ	0.5
Ethane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Ethene	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Methane	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Volatile Organic Validated Analytical Results

		Location ID:	MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	11/04/2003			11/04/2003			11/16/2004			11/16/2004			11/10/2005			11/08/2006			06/29/2007		
Sample Type (N= Primary Sample, FD = Field Duplicate):			FD			N			FD			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acetone	ug/l	6000	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Bromodichloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Bromoform	ug/l	4	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Bromomethane	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
2-Butanone	ug/l	300	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 5	U	5
Carbon Disulfide	ug/l	700	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Carbon Tetrachloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Chlorobenzene	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Chloroethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Chloroform	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Chloromethane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
cis-1,2-Dichloroethene	ug/l	70	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
cis-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
1,2-Dibromo-3-chloropropane	ug/l	0.02		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
Dibromochloromethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,2-Dibromoethane	ug/l	0.03		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
1,2-Dichlorobenzene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,3-Dichlorobenzene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,4-Dichlorobenzene	ug/l	75	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Dichlorodifluoromethane	ug/l	1000		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
1,1-Dichloroethane	ug/l	50	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,2-Dichloroethane	ug/l	2	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,1-Dichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,2-Dichloropropane	ug/l	1	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,2-Dichloroethene, Total	ug/l	NS		NA			NA			NA			NA			NA			NA			NA	
Ethylbenzene	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Freon 113	ug/l	NS		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
2-Hexanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Isopropylbenzene	ug/l	700		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
Methyl Acetate	ug/l	7000		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
Methyl Cyclohexane	ug/l	NS		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
Methyl tert-Butyl Ether	ug/l	70		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
4-Methyl-2-pentanone	ug/l	NS	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Methylene Chloride	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	**3**	J	10	< 10	U	10	< 0.5	U	0.5
Styrene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,1,2,2-Tetrachloroethane	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Tetrachloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Toluene	ug/l	600	1	J	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
trans-1,2-Dichloroethene	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
trans-1,3-Dichloropropene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,2,4-Trichlorobenzene	ug/l	9	< 10	U	10	< 10	U	10		NA			NA			NA			NA		< 0.5	U	0.5
1,1,1-Trichloroethane	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
1,1,2-Trichloroethane	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Trichloroethene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Trichlorofluoromethane	ug/l	2000		NA			NA			NA			NA			NA			NA		< 0.5	U	0.5
Vinyl Chloride	ug/l	1	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Xylenes, Total	ug/l	1000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 0.5	U	0.5
Ethane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA	
Ethene	ug/l	NS		NA			NA			NA			NA			NA			NA			NA	
Methane	ug/l	NS		NA			NA			NA			NA			NA			NA			NA	

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Semivolatile Organic Validated Analytical Results

		Location ID:	MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S		
		Sample Date:	04/18/1996			09/18/1996			11/05/1997			10/20/1998			12/16/1999			12/05/2000			11/27/2001			09/17/2002		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	ug/l	400	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acetophenone	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Atrazine	ug/l	3	NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Biphenyl	ug/l	400	NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	**5**	J	10	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Caprolactum	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluorene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Phenol	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Semivolatile Organic Validated Analytical Results

		Location ID:	MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-9S			MW-9S			MW-9S		
		Sample Date:	11/03/2003			11/18/2004			11/09/2005			11/09/2006			06/29/2007			04/18/1996			09/19/1996			11/05/1997		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	ug/l	400	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	5	J	10	21		10	14		10
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acetophenone	ug/l	700		NA			NA		< 10	U	10		NA			NA			NA			NA			NA	
Anthracene	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	2	J	10	< 10	U	10
Atrazine	ug/l	3		NA			NA		< 10	U	10		NA			NA			NA			NA			NA	
Benzaldehyde	ug/l	NS		NA			NA		< 10	U	10		NA			NA			NA			NA			NA	
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Biphenyl	ug/l	400		NA			NA		< 10	U	10		NA			NA			NA			NA			NA	
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	U	10	< 10	U	10	**4**	J	10	< 10	UJ	10	< 10	U	10	**7**	J	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Caprolactum	ug/l	NS		NA			NA		< 10	U	10		NA			NA			NA			NA			NA	
Carbazole	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	4	J	10	17		10	9	J	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	0.7	J	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	UJ	25	< 26	U	26	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	UJ	25	< 25	U	25	< 26	U	26	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	0.8	J	10	1	J	10	0.7	J	10
Fluorene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	4	J	10	19		10	11		10
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	4	J	10	19		10	13		10
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 26	U	26	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 26	U	26	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	UJ	25	< 25	U	25	< 26	U	26	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	UJ	25	< 26	U	26	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	U	25	< 26	U	26	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	5	J	10	18		10	7	J	10
Phenol	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	0.5	J	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	U	25	< 26	U	26	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Semivolatile Organic Validated Analytical Results

		Location ID:	MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S		
		Sample Date:	10/22/1998			12/15/1999			12/05/2000			11/27/2001			09/17/2002			11/03/2003			11/18/2004			11/09/2005		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	ug/l	400	18		10	16.4		10	12		10	15		10	23		10	19		10	23		10	12		10
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acetophenone	ug/l	700	NA			NA			NA			NA			NA			NA			NA			< 10	U	10
Anthracene	ug/l	2000	1	J	10	1.2	J	10	1	J	10	1	J	10	2	J	10	< 10	U	10	2	J	10	< 10	U	10
Atrazine	ug/l	3	NA			NA			NA			NA			NA			NA			NA			< 10	U	10
Benzaldehyde	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			< 10	U	10
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Biphenyl	ug/l	400	NA			NA			NA			NA			NA			NA			NA			< 10	U	10
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	U	10	< 10	U	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Caprolactum	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			< 10	U	10
Carbazole	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	15		10	11.9		10	10		10	11		10	19		10	15		10	16		10	7	J	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25	< 25	UJ	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	1	J	10	1.2	J	10	1	J	10	2	J	10	2	J	10	2	J	10	2	J	10	< 10	U	10
Fluorene	ug/l	300	14		10	13.6		10	9	J	10	14		10	20		10	17		10	19		10	9	J	10
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	20		10	7.8	J	10	8	J	10	12		10	17		10	14		10	13		10	7	J	10
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25	< 25	U	25	< 25	UJ	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	15		10	12.6		10	6	J	10	13		10	19		10	16		10	22		10	9	J	10
Phenol	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 10	U	10	< 10	U	10	< 10	U	10	0.9	J	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Semivolatile Organic Validated Analytical Results

		Location ID:	MW-9S			MW-9S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S		
		Sample Date:	11/09/2006			06/28/2007			04/18/1996			09/20/1996			11/04/1997			10/21/1998			12/15/1999			12/05/2000		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	ug/l	400	5	J	10	15		10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acenaphthylene	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acetophenone	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/l	2000	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Atrazine	ug/l	3	NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/l	0.1	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Biphenyl	ug/l	400	NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	UJ	10	< 10	U	10	1	J	10	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10	2	J	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Caprolactum	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	4	J	10	10		10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	UJ	10	< 10	U	10	< 10	U	10	1	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluorene	ug/l	300	5	J	10	14		10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	UJ	10	9	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylphenol	ug/l	NS	< 10	UJ	10	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	UJ	10	< 10	U	10	4	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 10	UJ	10	10		10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Phenol	ug/l	2000	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Semivolatile Organic Validated Analytical Results

		Location ID:	MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-11S			MW-11S			MW-11S		
		Sample Date:	11/27/2001			09/19/2002			11/03/2003			11/16/2004			11/09/2005			04/21/1996			09/24/1996			11/06/1997		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	ug/l	400	< 10	U	10	0.4	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acetophenone	ug/l	700	NA			NA			NA			NA			< 10	U	10	NA			NA			NA		
Anthracene	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Atrazine	ug/l	3	NA			NA			NA			NA			< 10	U	10	NA			NA			NA		
Benzaldehyde	ug/l	NS	NA			NA			NA			NA			< 10	U	10	NA			NA			NA		
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Biphenyl	ug/l	400	NA			NA			NA			NA			< 10	U	10	NA			NA			NA		
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	U	10	0.9	J	10	< 10	U	10	< 10	U	10	< 10	U	10	1	J	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Caprolactum	ug/l	NS	NA			NA			NA			NA			< 10	U	10	NA			NA			NA		
Carbazole	ug/l	NS	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	U	25	< 25	U	25	< 25	UJ	25	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 10	U	10	0.2	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluorene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	1	JN	10	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	UJ	25	< 25	U	25	< 25	UJ	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Phenol	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	2	J	10	2	J	10
Pyrene	ug/l	200	0.2	J	10	0.2	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Semivolatile Organic Validated Analytical Results

		Location ID:	MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S		
		Sample Date:	10/27/1998			12/16/1999			12/06/2000			11/28/2001			09/19/2002			11/04/2003			11/16/2004			11/10/2005		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	ug/l	400	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Acetophenone	ug/l	700	NA			NA			NA			NA			NA			NA			NA			< 11	U	11
Anthracene	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Atrazine	ug/l	3	NA			NA			NA			NA			NA			NA			NA			< 11	U	11
Benzaldehyde	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			< 11	U	11
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	U	10	< 10	U	10	**0.2**	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Biphenyl	ug/l	400	NA			NA			NA			NA			NA			NA			NA			< 11	U	11
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 11	U	11
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	0.2	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Caprolactum	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			< 11	U	11
Carbazole	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Chrysene	ug/l	5	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Dibenzofuran	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	3	J	10	< 11	U	11
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25	< 26	U	26
2,4-Dinitrophenol	ug/l	40	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25	< 25	UJ	25	< 25	UJ	25	< 26	U	26
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 11	U	11
Fluoranthene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	0.5	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Fluorene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Hexachloroethane	ug/l	7	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Isophorone	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 11	U	11
2-Methylnaphthalene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Naphthalene	ug/l	300	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 26	U	26
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 26	U	26
4-Nitroaniline	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25	< 25	U	25	< 26	U	26
Nitrobenzene	ug/l	6	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 11	U	11
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 26	U	26
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	UJ	25	< 26	U	26
Phenanthrene	ug/l	NS	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Phenol	ug/l	2000	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
Pyrene	ug/l	200	< 10	U	10	< 10	U	10	< 10	U	10	0.3	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 26	U	26
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 11	U	11

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Semivolatile Organic Validated Analytical Results

		Location ID:	MW-11S			MW-11S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	11/07/2006			07/02/2007			04/21/1996			09/23/1996			11/04/1997			10/26/1998			12/16/1999			12/06/2000		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	ug/l	400	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acenaphthylene	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acetophenone	ug/l	700	NA			NA			NA			NA			NA			NA			NA			NA		
Anthracene	ug/l	2000	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Atrazine	ug/l	3	NA			NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	ug/l	0.1	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Biphenyl	ug/l	400	NA			NA			NA			NA			NA			NA			NA			NA		
Bis(2-chloroethoxy)methane	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 11	U	11	< 10	U	10	2	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Caprolactum	ug/l	NS	NA			NA			NA			NA			NA			NA			NA			NA		
Carbazole	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 27	U	27	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 27	U	27	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluorene	ug/l	300	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylphenol	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 27	U	27	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 27	U	27	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 27	U	27	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 27	U	27	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 27	U	27	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Phenol	ug/l	2000	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 27	U	27	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 11	U	11	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Semivolatile Organic Validated Analytical Results

		Location ID:	MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	11/28/2001			09/26/2002			11/04/2003			11/04/2003			11/16/2004			11/16/2004			11/10/2005			11/08/2006		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			FD			N			FD			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	ug/l	400	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acenaphthylene	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Acetophenone	ug/l	700	NA			NA			NA			NA			NA			NA			< 10	U	10	NA		
Anthracene	ug/l	2000	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Atrazine	ug/l	3	NA			NA			NA			NA			NA			NA			< 10	U	10	NA		
Benzaldehyde	ug/l	NS	NA			NA			NA			NA			NA			NA			< 10	U	10	NA		
Benzo[a]anthracene	ug/l	0.1	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Biphenyl	ug/l	400	NA			NA			NA			NA			NA			NA			< 10	U	10	NA		
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Caprolactum	ug/l	NS	NA			NA			NA			NA			NA			NA			< 10	U	10	NA		
Carbazole	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Chrysene	ug/l	5	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dibenzofuran	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25	< 25	UJ	25	< 25	U	25	< 26	U	26	< 25	UJ	25	< 25	UJ	25	< 25	U	25	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	U	25	25	R	25	< 25	UJ	25	< 26	UJ	26	< 25	UJ	25	< 25	UJ	25	< 25	U	25	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	UJ	10	< 10	U	10	< 10	U	10
Fluoranthene	ug/l	300	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Fluorene	ug/l	300	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10	10	R	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Isophorone	ug/l	40	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	UJ	10	< 10	U	10	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Methylphenol	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25	< 25	UJ	25	< 25	U	25	< 26	U	26	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25	< 25	UJ	25	< 25	U	25	< 26	U	26	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	U	25	< 25	UJ	25	< 25	UJ	25	< 26	UJ	26	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	UJ	10	< 10	U	10	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25	< 25	UJ	25	< 25	U	25	< 26	U	26	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25	< 25	UJ	25	< 25	U	25	< 26	U	26	< 25	UJ	25	< 25	UJ	25	< 25	U	25	< 25	U	25
Phenanthrene	ug/l	NS	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Phenol	ug/l	2000	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Pyrene	ug/l	200	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25	< 25	UJ	25	< 25	U	25	< 26	U	26	< 25	U	25	< 25	U	25	< 25	U	25	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Semivolatile Organic Validated Analytical Results

		Location ID:	MW-12S		
		Sample Date:	06/29/2007		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**
Acenaphthene	ug/l	400	< 10	U	10
Acenaphthylene	ug/l	NS	< 10	U	10
Acetophenone	ug/l	700	NA		
Anthracene	ug/l	2000	< 10	U	10
Atrazine	ug/l	3	NA		
Benzaldehyde	ug/l	NS	NA		
Benzo[a]anthracene	ug/l	0.1	< 10	U	10
Benzo[a]pyrene	ug/l	0.1	< 10	U	10
Benzo[b]fluoranthene	ug/l	0.2	< 10	U	10
Benzo[g,h,i]perylene	ug/l	NS	< 10	U	10
Benzo[k]fluoranthene	ug/l	0.5	< 10	U	10
Biphenyl	ug/l	400	NA		
Bis(2-chloroethoxy)methane	ug/l	NS	< 10	U	10
Bis(2-chloroethyl) Ether	ug/l	7	< 10	U	10
Bis(2-chloroisopropyl) Ether	ug/l	300	< 10	U	10
Bis(2-ethylhexyl) Phthalate	ug/l	3	**4**	J	10
4-Bromophenyl Phenyl Ether	ug/l	NS	< 10	U	10
Butylbenzyl Phthalate	ug/l	100	< 10	U	10
Caprolactum	ug/l	NS	NA		
Carbazole	ug/l	NS	< 10	U	10
4-Chloro-3-methylphenol	ug/l	NS	< 10	U	10
4-Chloroaniline	ug/l	30	< 10	U	10
2-Chloronaphthalene	ug/l	600	< 10	U	10
2-Chlorophenol	ug/l	40	< 10	U	10
4-Chlorophenyl-phenylether	ug/l	NS	< 10	U	10
Chrysene	ug/l	5	< 10	U	10
Dibenzo[a,h]anthracene	ug/l	0.3	< 10	U	10
Dibenzofuran	ug/l	NS	< 10	U	10
3,3'-Dichlorobenzidine	ug/l	30	< 10	U	10
2,4-Dichlorophenol	ug/l	20	< 10	U	10
Diethyl Phthalate	ug/l	6000	< 10	U	10
Dimethyl Phthalate	ug/l	NS	< 10	U	10
2,4-Dimethylphenol	ug/l	100	< 10	U	10
Di-n-Butyl Phthalate	ug/l	700	< 10	U	10
4,6-Dinitro-2-methylphenol	ug/l	NS	< 25	U	25
2,4-Dinitrophenol	ug/l	40	< 25	U	25
2,4-Dinitrotoluene	ug/l	NS	< 10	U	10
2,6-Dinitrotoluene	ug/l	NS	< 10	U	10
Di-n-octyl Phthalate	ug/l	100	< 10	U	10
Fluoranthene	ug/l	300	< 10	U	10
Fluorene	ug/l	300	< 10	U	10
Hexachlorobenzene	ug/l	0.02	< 10	U	10
Hexachlorobutadiene	ug/l	1	< 10	U	10
Hexachlorocyclopentadiene	ug/l	40	< 10	U	10
Hexachloroethane	ug/l	7	< 10	U	10
Indeno[1,2,3-cd]pyrene	ug/l	0.2	< 10	U	10
Isophorone	ug/l	40	< 10	U	10
2-Methylnaphthalene	ug/l	NS	< 10	U	10
2-Methylphenol	ug/l	NS	< 10	U	10
4-Methylphenol	ug/l	NS	< 10	U	10
Naphthalene	ug/l	300	< 10	U	10
2-Nitroaniline	ug/l	NS	< 25	U	25
3-Nitroaniline	ug/l	NS	< 25	U	25
4-Nitroaniline	ug/l	NS	< 25	U	25
Nitrobenzene	ug/l	6	< 10	U	10
2-Nitrophenol	ug/l	NS	< 10	U	10
4-Nitrophenol	ug/l	NS	< 25	U	25
N-Nitroso-di-n-propylamine	ug/l	10	< 10	U	10
N-Nitrosodiphenylamine	ug/l	10	< 10	U	10
Pentachlorophenol	ug/l	0.3	< 25	U	25
Phenanthrene	ug/l	NS	< 10	U	10
Phenol	ug/l	2000	< 10	U	10
Pyrene	ug/l	200	< 10	U	10
2,4,5-Trichlorophenol	ug/l	700	< 25	U	25
2,4,6-Trichlorophenol	ug/l	20	< 10	U	10

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Pesticide/PCB Analytical Results

		Location ID:	MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S		
		Sample Date:	04/18/1996			09/18/1996			11/05/1997			10/20/1998			12/16/1999			12/05/2000			11/27/2001			09/17/2002		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.051	U	0.051	< 0.05	U	0.05	< 0.05	U	0.05
alpha-BHC	ug/l	0.02	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.051	U	0.051	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.037	R	0.05	< 0.005	U	0.005	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Endosulfan	ug/l	40	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.051	U	0.051	< 0.05	U	0.05	< 0.05	U	0.05
Aroclor 1016	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1221	ug/l	NS	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2.1	U	2.1	< 2	U	2	< 2	U	2
Aroclor 1232	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1242	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1248	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1254	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1260	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
beta-BHC	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	**0.044**	J	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.051	U	0.051	**0.061**	J	0.05	< 0.05	U	0.05
beta-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.051	U	0.051	< 0.05	U	0.05	< 0.05	U	0.05
beta-Endosulfan	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDD	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.016	R	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDE	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.022		0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDT	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.0099		0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
delta-BHC	ug/l	NS	0.023		0.05	< 0.05	U	0.05	0.028		0.05	0.056	J	0.05	< 0.05	U	0.05	< 0.051	U	0.051	< 0.05	U	0.05	< 0.05	U	0.05
Dieldrin	ug/l	0.03	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endosulfan Sulfate	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin	ug/l	2	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Aldehyde	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Ketone	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
gamma-BHC	ug/l	0.03	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.051	U	0.051	< 0.05	U	0.05	< 0.05	U	0.05
Heptachlor	ug/l	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.051	U	0.051	< 0.05	U	0.05	< 0.05	U	0.05
Heptachlor Epoxide	ug/l	0.2	0.0066		0.05	< 0.05	U	0.05	0.048	J	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.051	U	0.051	< 0.05	U	0.05	< 0.05	U	0.05
Methoxychlor	ug/l	40	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.11	R	0.5	< 0.51	U	0.51	< 0.5	U	0.5	< 0.5	U	0.5
Toxaphene	ug/l	2	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5.1	U	5.1	< 5	U	5	< 5	U	5

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Pesticide/PCB Analytical Results

		Location ID:	MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-9S			MW-9S			MW-9S		
		Sample Date:	11/03/2003			11/18/2004			11/09/2005			11/09/2006			06/29/2007			04/18/1996			09/19/1996			11/05/1997		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-BHC	ug/l	0.02	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.008		0.05
alpha-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	0.02	JP	0.056	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Endosulfan	ug/l	40	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.0054	J	0.05
Aroclor 1016	ug/l	NS	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1221	ug/l	NS	< 2	U	2	< 2	U	2	< 2.2	U	2.2	< 2	UJ	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
Aroclor 1232	ug/l	NS	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1242	ug/l	NS	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1248	ug/l	NS	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1254	ug/l	NS	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1260	ug/l	NS	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
beta-BHC	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Endosulfan	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDD	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	UJ	0.1	0.021	J	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDE	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDT	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
delta-BHC	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	0.068	P	0.056	< 0.05	UJ	0.05	< 0.05	U	0.05	0.0036		0.05	< 0.05	U	0.05	0.025		0.05
Dieldrin	ug/l	0.03	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endosulfan Sulfate	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin	ug/l	2	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Aldehyde	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Ketone	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
gamma-BHC	ug/l	0.03	< 0.05	U	0.05	< 0.05	U	0.05	**0.03**	JP	0.056	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.0024		0.05
Heptachlor	ug/l	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	UJ	0.05	0.027	J	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Heptachlor Epoxide	ug/l	0.2	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Methoxychlor	ug/l	40	< 0.5	U	0.5	< 0.5	U	0.5	< 0.56	U	0.56	< 0.5	UJ	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.014		0.5
Toxaphene	ug/l	2	< 5	U	5	< 5	U	5	< 5.6	U	5.6	< 5	UJ	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Pesticide/PCB Analytical Results

		Location ID:	MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S		
		Sample Date:	10/22/1998			12/15/1999			12/05/2000			11/27/2001			09/17/2002			11/03/2003			11/18/2004			11/09/2005		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-BHC	ug/l	0.02	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.005	U	0.005	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Endosulfan	ug/l	40	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Aroclor 1016	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1221	ug/l	NS	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2.2	U	2.2	< 2	U	2	< 2	U	2	< 2	U	2
Aroclor 1232	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1242	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1248	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1254	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1260	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1	< 1	U	1	< 1	U	1	< 1	U	1
beta-BHC	ug/l	0.04	0.1	R	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Endosulfan	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDD	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDE	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDT	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
delta-BHC	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	0.022	J	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Dieldrin	ug/l	0.03	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endosulfan Sulfate	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin	ug/l	2	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Aldehyde	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Ketone	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
gamma-BHC	ug/l	0.03	< 0.05	U	0.05	0.015	R	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	U	0.05	< 0.05	U	0.05	0.013	JP	0.05
Heptachlor	ug/l	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Heptachlor Epoxide	ug/l	0.2	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.056	U	0.056	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Methoxychlor	ug/l	40	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.56	U	0.56	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Toxaphene	ug/l	2	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5.6	U	5.6	< 5	U	5	< 5	U	5	< 5	U	5

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Pesticide/PCB Analytical Results

		Location ID:	MW-9S			MW-9S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S		
		Sample Date:	11/09/2006			06/28/2007			04/18/1996			09/20/1996			11/04/1997			10/21/1998			12/15/1999			12/05/2000		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-BHC	ug/l	0.02	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.0052	JN	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Chlordane	ug/l	NS	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Endosulfan	ug/l	40	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Aroclor 1016	ug/l	NS	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1221	ug/l	NS	< 2	UJ	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
Aroclor 1232	ug/l	NS	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1242	ug/l	NS	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1248	ug/l	NS	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1254	ug/l	NS	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1260	ug/l	NS	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
beta-BHC	ug/l	0.04	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Chlordane	ug/l	NS	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Endosulfan	ug/l	40	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDD	ug/l	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDE	ug/l	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDT	ug/l	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
delta-BHC	ug/l	NS	< 0.05	UJ	0.05	< 0.05	U	0.05	0.0026		0.05	0.0027	R	0.05	0.015		0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Dieldrin	ug/l	0.03	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endosulfan Sulfate	ug/l	40	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin	ug/l	2	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.029	J	0.1	< 0.1	U	0.1
Endrin Aldehyde	ug/l	NS	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.013	R	0.1	< 0.1	U	0.1
Endrin Ketone	ug/l	NS	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
gamma-BHC	ug/l	0.03	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.064	R	0.05	< 0.05	U	0.05
Heptachlor	ug/l	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Heptachlor Epoxide	ug/l	0.2	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Methoxychlor	ug/l	40	< 0.5	UJ	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Toxaphene	ug/l	2	< 5	UJ	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Pesticide/PCB Analytical Results

		Location ID:	MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-11S			MW-11S			MW-11S		
		Sample Date:	11/27/2001			09/19/2002			11/03/2003			11/16/2004			11/09/2005			04/21/1996			09/24/1996			11/06/1997		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.003	J	0.05	< 0.05	U	0.05
alpha-BHC	ug/l	0.02	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Endosulfan	ug/l	40	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Aroclor 1016	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1221	ug/l	NS	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
Aroclor 1232	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1242	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1248	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1254	ug/l	NS	< 1	U	1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1260	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
beta-BHC	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
beta-Endosulfan	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDD	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDE	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.0062		0.1
4,4-DDT	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.0068	R	0.1	< 0.1	U	0.1
delta-BHC	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.022	JN	0.05
Dieldrin	ug/l	0.03	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.0026		0.1
Endosulfan Sulfate	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin	ug/l	2	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.005		0.1
Endrin Aldehyde	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Ketone	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
gamma-BHC	ug/l	0.03	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Heptachlor	ug/l	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.0047	J	0.05	< 0.05	U	0.05
Heptachlor Epoxide	ug/l	0.2	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Methoxychlor	ug/l	40	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5
Toxaphene	ug/l	2	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Pesticide/PCB Analytical Results

		Location ID:	MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S		
		Sample Date:	10/27/1998			12/16/1999			12/06/2000			11/28/2001			09/19/2002			11/04/2003			11/16/2004			11/10/2005		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
alpha-BHC	ug/l	0.02	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
alpha-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
alpha-Endosulfan	ug/l	40	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Aroclor 1016	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1221	ug/l	NS	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2.1	U	2.1
Aroclor 1232	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1242	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1248	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1254	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1260	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
beta-BHC	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
beta-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
beta-Endosulfan	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
4,4-DDD	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
4,4-DDE	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
4,4-DDT	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
delta-BHC	ug/l	NS	< 0.05	U	0.05	0.02	JB	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Dieldrin	ug/l	0.03	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
Endosulfan Sulfate	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
Endrin	ug/l	2	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
Endrin Aldehyde	ug/l	NS	< 0.1	U	0.1	0.012	J	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
Endrin Ketone	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
gamma-BHC	ug/l	0.03	< 0.05	U	0.05	0.0062	R	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Heptachlor	ug/l	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Heptachlor Epoxide	ug/l	0.2	< 0.05	U	0.05	0.005	R	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Methoxychlor	ug/l	40	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.53	U	0.53
Toxaphene	ug/l	2	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5.3	U	5.3

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Pesticide/PCB Analytical Results

		Location ID:	MW-11S			MW-11S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	11/07/2006			07/02/2007			04/21/1996			09/23/1996			11/04/1997			10/26/1998			12/16/1999			12/06/2000		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-BHC	ug/l	0.02	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
alpha-Endosulfan	ug/l	40	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Aroclor 1016	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1221	ug/l	NS	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2
Aroclor 1232	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1242	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1248	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1254	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
Aroclor 1260	ug/l	NS	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1
beta-BHC	ug/l	0.04	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.03	R	0.05	< 0.05	U	0.05
beta-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.0064	J	0.05	< 0.05	U	0.05
beta-Endosulfan	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDD	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDE	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.01	J	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
4,4-DDT	ug/l	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
delta-BHC	ug/l	NS	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.021	J	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Dieldrin	ug/l	0.03	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.0044	JN	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endosulfan Sulfate	ug/l	40	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin	ug/l	2	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Aldehyde	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
Endrin Ketone	ug/l	NS	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	0.0079	JN	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1
gamma-BHC	ug/l	0.03	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.0077	R	0.05	< 0.05	U	0.05
Heptachlor	ug/l	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05
Heptachlor Epoxide	ug/l	0.2	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	0.0066	R	0.05	< 0.05	U	0.05
Methoxychlor	ug/l	40	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	0.018	R	0.5	< 0.5	U	0.5
Toxaphene	ug/l	2	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Pesticide/PCB Analytical Results

		Location ID:	MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	11/28/2001			09/26/2002			11/04/2003			11/04/2003			11/16/2004			11/16/2004			11/10/2005			11/08/2006		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			FD			N			FD			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
alpha-BHC	ug/l	0.02	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
alpha-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
alpha-Endosulfan	ug/l	40	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Aroclor 1016	ug/l	NS	< 1	U	1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1221	ug/l	NS	< 2	U	2	< 2	UJ	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2	U	2	< 2.1	U	2.1
Aroclor 1232	ug/l	NS	< 1	U	1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1242	ug/l	NS	< 1	U	1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1248	ug/l	NS	< 1	U	1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1254	ug/l	NS	< 1	U	1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
Aroclor 1260	ug/l	NS	< 1	U	1	< 1	UJ	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1	U	1	< 1.1	U	1.1
beta-BHC	ug/l	0.04	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
beta-Chlordane	ug/l	NS	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
beta-Endosulfan	ug/l	40	< 0.1	U	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
4,4-DDD	ug/l	0.1	< 0.1	U	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
4,4-DDE	ug/l	0.1	< 0.1	U	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
4,4-DDT	ug/l	0.1	< 0.1	U	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
delta-BHC	ug/l	NS	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Dieldrin	ug/l	0.03	< 0.1	U	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
Endosulfan Sulfate	ug/l	40	< 0.1	U	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
Endrin	ug/l	2	< 0.1	U	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
Endrin Aldehyde	ug/l	NS	< 0.1	U	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
Endrin Ketone	ug/l	NS	< 0.1	U	0.1	< 0.1	UJ	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.1	U	0.1	< 0.11	U	0.11
gamma-BHC	ug/l	0.03	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Heptachlor	ug/l	0.05	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Heptachlor Epoxide	ug/l	0.2	< 0.05	U	0.05	< 0.05	UJ	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.05	U	0.05	< 0.053	U	0.053
Methoxychlor	ug/l	40	< 0.5	U	0.5	< 0.5	UJ	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.5	U	0.5	< 0.53	U	0.53
Toxaphene	ug/l	2	< 5	U	5	< 5	UJ	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5.3	U	5.3

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Organic Analyses
216 Paterson Plank Road Site
Pesticide/PCB Analytical Results

		Location ID:	MW-12S		
		Sample Date:	06/29/2007		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**
Aldrin	ug/l	0.04	< 0.05	U	0.05
alpha-BHC	ug/l	0.02	< 0.05	U	0.05
alpha-Chlordane	ug/l	NS	< 0.05	U	0.05
alpha-Endosulfan	ug/l	40	< 0.05	U	0.05
Aroclor 1016	ug/l	NS	< 1	U	1
Aroclor 1221	ug/l	NS	< 2	U	2
Aroclor 1232	ug/l	NS	< 1	U	1
Aroclor 1242	ug/l	NS	< 1	U	1
Aroclor 1248	ug/l	NS	< 1	U	1
Aroclor 1254	ug/l	NS	< 1	U	1
Aroclor 1260	ug/l	NS	< 1	U	1
beta-BHC	ug/l	0.04	< 0.05	U	0.05
beta-Chlordane	ug/l	NS	< 0.05	U	0.05
beta-Endosulfan	ug/l	40	< 0.1	U	0.1
4,4-DDD	ug/l	0.1	< 0.1	U	0.1
4,4-DDE	ug/l	0.1	< 0.1	U	0.1
4,4-DDT	ug/l	0.1	< 0.1	U	0.1
delta-BHC	ug/l	NS	< 0.05	U	0.05
Dieldrin	ug/l	0.03	< 0.1	U	0.1
Endosulfan Sulfate	ug/l	40	< 0.1	U	0.1
Endrin	ug/l	2	< 0.1	U	0.1
Endrin Aldehyde	ug/l	NS	< 0.1	U	0.1
Endrin Ketone	ug/l	NS	< 0.1	U	0.1
gamma-BHC	ug/l	0.03	< 0.05	U	0.05
Heptachlor	ug/l	0.05	< 0.05	U	0.05
Heptachlor Epoxide	ug/l	0.2	< 0.05	U	0.05
Methoxychlor	ug/l	40	< 0.5	U	0.5
Toxaphene	ug/l	2	< 5	U	5

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Inorganic Analyses
216 Paterson Plank Road Site
Inorganic Validated Analytical Results

		Location ID:	MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-8S		
		Sample Date:	04/18/1996			09/18/1996			11/05/1997			10/20/1998			12/16/1999			12/05/2000			11/27/2001			09/17/2002		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**4510**		200	146	B	200	**350**		200	117	B	200	**26700**		200	**4920**		200	**5630**		200	**2300**		200
Antimony	ug/l	6	< 60	U	60	< 60	U	60	3.8	B	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60
Arsenic	ug/l	3	**20.1**		10	**19.8**		10	**22.3**		10	**44.7**		10	**86.9**		10	**43.4**		10	**46.9**		10	**32.5**		10
Barium	ug/l	6000	399		200	504		200	505		200	585		200	1060		200	431		200	419		200	468		200
Beryllium	ug/l	1	0.74	B	5	< 5	U	5	0.58	B	5	< 5	U	5	0.85	B	5	0.26	B	5	< 5	U	5	< 5	U	5
Cadmium	ug/l	4	2.4	B	5	0.77	B	5	< 5	U	5	2.2	B	5	**12.7**		5	1.8	B	5	2.3	J	5	0.82	B	5
Calcium	ug/l	NS	129000		5000	154000		5000	141000		5000	135000		5000	163000		5000	130000		5000	121000		5000	129000		5000
Chromium	ug/l	70	42.1		10	7.6	B	10	8.4	B	10	50	R	10	**189**		10	**73.5**	J	10	68.6		10	**79.5**		10
Cobalt	ug/l	NS	2.1	B	50	1.7	B	50	2.3	B	50	3.2	B	50	6.7	B	50	3.1	B	50	3.5	J	50	1.1	B	50
Copper	ug/l	1300	91.1		25	7.5	B	25	23.2	B	25	17.5	B	25	509		25	180		25	191		25	199		25
Cyanide	ug/l	100	10	UN	10	< 10	U	10		NA			NA			NA			NA			NA			NA	
Iron	ug/l	300	**19000**		100	**18500**		100	**22900**		100	**27200**		100	**167000**		100	**29600**		100	**17900**		100	**23600**	J	100
Lead	ug/l	5	**22.5**		3	**8.4**		3	**8.4**		3	2.9	B	3	**108**		3	**26.6**		3	**34.8**		3	**21.7**	J	3
Magnesium	ug/l	NS	50000		5000	45700		5000	38400		5000	40400		5000	54100		5000	48000		5000	52000		5000	56900		5000
Manganese	ug/l	50	**3570**		15	**4650**		15	**4180**		15	**4020**		15	**5080**		15	**3360**		15	**2960**		15	**3280**		15
Mercury	ug/l	2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	0.65		0.2	0.31		0.2	0.3		0.2	< 0.2	U	0.2
Nickel	ug/l	100	34.6	B	40	15.5	B	40	10.5	B	40	68.7		40	**111**		40	36.4	B	40	39.5	J	40	26.7	B	40
Potassium	ug/l	NS	24100		5000	23800	J	5000	19100		5000	23700	J	5000	34400		5000	32000	J	5000	38200	J	5000	41700	J	5000
Selenium	ug/l	40	< 5	U	5	< 5	U	5	< 5	U	5	4	B	5	< 5	U	5	< 5	UJ	5	< 5	U	5	2.4	J	5
Silver	ug/l	40	< 10	U	10	< 10	UJ	10	< 10	U	10	7.5	B	10	0.93	B	10	< 10	U	10	< 10	U	10	< 10	U	10
Sodium	ug/l	50000	**258000**		5000	**240000**		5000	**204000**		5000	**238000**		5000	**330000**		5000	**304000**		5000	**344000**		5000	**496000**	J	5000
Thallium	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	**4.9**	B	10	< 10	U	10	**12.1**		10	< 10	U	10	< 10	UJ	10
Vanadium	ug/l	NS	10.5	B	50	1.3	B	50	3.2	B	50	2.9	B	50	61.9		50	13.8	B	50	18.7	J	50	9	B	50
Zinc	ug/l	2000	66.8		20	19.1	J	20	53.3		20	30.4		20	679		20	147		20	121		20	150		20

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Inorganic Analyses
216 Paterson Plank Road Site
Inorganic Validated Analytical Results

		Location ID:	MW-8S			MW-8S			MW-8S			MW-8S			MW-8S			MW-9S			MW-9S			MW-9S		
		Sample Date:	11/03/2003			11/18/2004			11/09/2005			11/09/2006			06/29/2007			04/18/1996			09/19/1996			11/05/1997		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**11700**		200	**2430**		200	**2040**	J	200	< 200	U	200	**316**		200	**1940**		200	140	B	200	**260**		200
Antimony	ug/l	6	**8.5**	B	60	< 60	U	60	2.9	J	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60
Arsenic	ug/l	3	**71.3**		10	**31.8**		10	**32.9**		10	**14.4**		10	**17.9**		10	< 10	U	10	**5.1**	B	10	< 10	U	10
Barium	ug/l	6000	910	J	200	292		200	322		200	307		200	315		200	552		200	752		200	486		200
Beryllium	ug/l	1	0.36	B	5	**1.1**	B	5	< 5	U	5	< 5	U	5	< 5	U	5	0.57	B	5	< 5	U	5	0.54	B	5
Cadmium	ug/l	4	3.8	B	5	0.65	B	5	< 5	U	5	< 5	U	5	< 5	U	5	**4.8**	B	5	1.3	B	5	< 5	U	5
Calcium	ug/l	NS	122000		5000	102000		5000	96400		5000	105000		5000	105000		5000	126000		5000	140000		5000	114000		5000
Chromium	ug/l	70	**208**		10	21.7		10	23.4		10	< 10	U	10	< 10	U	10	20.6		10	11.9		10	38.9		10
Cobalt	ug/l	NS	4.9	B	50	1.3	B	50	2.1	J	50	< 50	U	50	< 50	U	50	< 50	U	50	< 50	U	50	4.1	B	50
Copper	ug/l	1300	**3010**		25	568		25	407		25	< 25	U	25	< 25	U	25	189		25	4.3	B	25	7.8	B	25
Cyanide	ug/l	100		NA			NA			NA			NA			NA		10	UN	10	< 10	U	10		NA	
Iron	ug/l	300	**123000**		100	**17000**		100	**16300**		100	**18600**	J	100	**19400**	J	100	**24500**		100	**25400**		100	**28500**		100
Lead	ug/l	5	**253**		3	**27.7**		3	**28.3**		3	< 3	U	3	4		3	**38.5**		3	< 3	U	3	**5.9**		3
Magnesium	ug/l	NS	56000		5000	41100		5000	32700		5000	35600		5000	39000		5000	55800		5000	62300		5000	53800		5000
Manganese	ug/l	50	**3600**		15	**2390**		15	**2400**		15	**3340**		15	**3170**	J	15	**4930**		15	**5500**		15	**4720**		15
Mercury	ug/l	2	0.3		0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	0.29		0.2	< 0.2	U	0.2	< 0.2	U	0.2
Nickel	ug/l	100	**106**		40	20.7	B	40	18.1	J	40	5.2	J	40	< 40	U	40	14.3	B	40	4.7	B	40	24.9	B	40
Potassium	ug/l	NS	33900	J	5000	26200		5000	24700		5000	23100		5000	26500	J	5000	31400		5000	43200	J	5000	30700		5000
Selenium	ug/l	40	3.4	B	5	< 5	U	5	< 5	UJ	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Silver	ug/l	40	1.6	B	10	< 10	U	10	0.27	J	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10
Sodium	ug/l	50000	**379000**		10000	**303000**		5000	**227000**		5000	**244000**		5000	**248000**		5000	**379000**		5000	**449000**		5000	**381000**		5000
Thallium	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	**3.3**	B	10	< 10	U	10
Vanadium	ug/l	NS	40.2	B	50	12	BJ	50	9.1	J	50	< 50	U	50	< 50	U	50	6.7	B	50	3.4	B	50	3.5	B	50
Zinc	ug/l	2000	1510		20	192		20	266		20	< 20	U	20	20.3		20	190		20	13.9	J	20	44.1		20

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Inorganic Analyses
216 Paterson Plank Road Site
Inorganic Validated Analytical Results

		Location ID:	MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S			MW-9S		
		Sample Date:	10/22/1998			12/15/1999			12/05/2000			11/27/2001			09/17/2002			11/03/2003			11/18/2004			11/09/2005		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	75.7	B	200	**683**		200	**469**		200	**1200**		200	**1530**		200	**721**		200	**451**		200	< 200	U	200
Antimony	ug/l	6	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	2.4	B	60	< 60	U	60	3.6	B	60	< 60	U	60
Arsenic	ug/l	3	**4.2**	B	10	< 10	U	10	**22.4**		10	**13.7**		10	**18.5**		10	**6.9**	B	10	**19**		10	**6.3**	J	10
Barium	ug/l	6000	442		200	442		200	346		200	660		200	558		200	519	J	200	455		200	497		200
Beryllium	ug/l	1	< 5	U	5	< 5	U	5	0.21	B	5	< 5	U	5	< 5	U	5	< 5	U	5	**1**	B	5	< 5	U	5
Cadmium	ug/l	4	1.8	B	5	1.7	B	5	1.8	B	5	**6.5**		5	**4.1**	B	5	1.6	B	5	1.5	B	5	< 5	U	5
Calcium	ug/l	NS	102000		5000	100000		5000	93800		5000	137000		5000	122000		5000	120000		5000	121000		5000	128000		5000
Chromium	ug/l	70	10.8	R	10	8.7	B	10	8	J	10	16.2		10	18.5		10	8.2	B	10	7.9	B	10	4.4	J	10
Cobalt	ug/l	NS	0.95	B	50	< 50	U	50	0.7	B	50	< 50	U	50	0.64	B	50	< 50	U	50	< 50	U	50	< 50	U	50
Copper	ug/l	1300	7.7	B	25	84.8		25	54.9		25	180		25	206		25	118		25	104		25	15.9	J	25
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA			NA			NA	
Iron	ug/l	300	**25000**		100	**25400**		100	**19000**		100	**21200**		100	**24800**	J	100	**28300**		100	**25800**		100	**26300**		100
Lead	ug/l	5	2.5	B	3	**12.4**		3	**9.9**		3	**30.9**		3	**43.7**		3	**20.1**		3	**9.4**		3	< 3	U	3
Magnesium	ug/l	NS	45100		5000	34500		5000	34800		5000	47700		5000	37900		5000	37800		5000	34800		5000	37800		5000
Manganese	ug/l	50	**4340**		15	**4500**		15	**3920**		15	**5330**		15	**4750**		15	**5020**		15	**4940**		15	**4840**		15
Mercury	ug/l	2	< 0.2	U	0.2	0.19	B	0.2	0.15	B	0.2	0.23		0.2	0.25		0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2
Nickel	ug/l	100	4.6	B	40	5.1	B	40	13.8	B	40	13.7	J	40	12.8	B	40	5.4	B	40	12.9	B	40	5.9	J	40
Potassium	ug/l	NS	29500	J	5000	21700		5000	22000	J	5000	30000	J	5000	29200	J	5000	19200	J	5000	15600		5000	20300		5000
Selenium	ug/l	40	4.4	B	5	< 5	U	5	5.2	J	5	< 5	U	5	4.5	J	5	< 5	U	5	< 5	U	5	< 5	UJ	5
Silver	ug/l	40	< 10	U	10	< 10	U	10	0.52	B	10	< 10	U	10	0.99	B	10	0.7	B	10	< 10	U	10	< 10	UJ	10
Sodium	ug/l	50000	**352000**		5000	**231000**		5000	**257000**		5000	**350000**		5000	**314000**	J	5000	**252000**		10000	**229000**		5000	**243000**		5000
Thallium	ug/l	2	**3.4**	B	10	< 10	U	10	**9.2**	B	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10
Vanadium	ug/l	NS	3.4	B	50	4.5	B	50	5.6	B	50	8	J	50	7.9	B	50	4.6	B	50	4.2	BJ	50	< 50	U	50
Zinc	ug/l	2000	10.8	B	20	61.4		20	42.2		20	111		20	109		20	79.2		20	93.6		20	< 20	U	20

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Inorganic Analyses
216 Paterson Plank Road Site
Inorganic Validated Analytical Results

		Location ID:	MW-9S			MW-9S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-10S		
		Sample Date:	11/09/2006			06/28/2007			04/18/1996			09/20/1996			11/04/1997			10/21/1998			12/15/1999			12/05/2000		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**544**		200	**294**		200	**427**		200	**214**		200	**241**		200	62	B	200	**1270**		200	**544**		200
Antimony	ug/l	6	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60
Arsenic	ug/l	3	**16.2**		10	**10.8**		10	< 10	U	10	2.5	B	10	< 10	U	10	2.5	B	10	**11.9**		10	**12.7**		10
Barium	ug/l	6000	289		200	642		200	112	B	200	623		200	711		200	792		200	522		200	504		200
Beryllium	ug/l	1	< 5	U	5	< 5	U	5	0.56	B	5	< 5	U	5	0.63	B	5	< 5	U	5	< 5	U	5	< 5	U	5
Cadmium	ug/l	4	< 5	U	5	< 5	U	5	< 5	U	5	0.46	B	5	< 5	U	5	2.3	B	5	1.3	B	5	0.42	B	5
Calcium	ug/l	NS	76200		5000	135000		5000	321000		5000	356000		5000	235000		5000	213000		5000	195000		5000	194000		5000
Chromium	ug/l	70	< 10	U	10	< 10	U	10	28.6		10	13.9		10	26.4		10	9.9	R	10	**2820**		10	**401**	J	10
Cobalt	ug/l	NS	< 50	U	50	< 50	U	50	1.6	B	50	1.7	B	50	1	B	50	1.9	B	50	6.3	B	50	2.1	B	50
Copper	ug/l	1300	119		25	34.7		25	23.9	B	25	8.6	B	25	6.1	B	25	8.5	B	25	94.4		25	23.2	B	25
Cyanide	ug/l	100		NA			NA		10	UN	10	< 10	U	10		NA			NA			NA			NA	
Iron	ug/l	300	**17500**	J	100	**22100**	J	100	**1260**		100	**3380**		100	**2620**		100	**3160**		100	**4500**		100	**2140**		100
Lead	ug/l	5	**14**		3	**6.8**		3	**5.1**		3	1.7	B	3	**19.7**		3	1.2	B	3	**33.3**		3	**5.2**	J	3
Magnesium	ug/l	NS	22100		5000	43300		5000	94300		5000	143000		5000	95700		5000	80600		5000	67000		5000	69900		5000
Manganese	ug/l	50	**3030**		15	**4560**	J	15	**660**		15	**1650**		15	**1470**		15	**1510**		15	**821**		15	**1080**		15
Mercury	ug/l	2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	0.43		0.2	0.16	B	0.2
Nickel	ug/l	100	7.1	J	40	< 40	U	40	19.1	B	40	15.8	B	40	7.7	B	40	8.1	B	40	**419**		40	91.1		40
Potassium	ug/l	NS	11100		5000	21200	J	5000	47300		5000	81800	J	5000	66300		5000	66700	J	5000	49300		5000	54500	J	5000
Selenium	ug/l	40	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	3.4	B	5	< 5	U	5	< 5	UJ	5
Silver	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Sodium	ug/l	50000	**176000**		5000	**301000**		5000	**380000**		5000	**750000**		5000	**741000**		5000	**698000**		5000	**466000**		5000	**491000**		5000
Thallium	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	**4.2**	B	10	< 10	U	10	< 10	U	10
Vanadium	ug/l	NS	< 50	U	50	< 50	U	50	1.9	B	50	2.2	B	50	2.7	B	50	3	B	50	49.1	B	50	15.3	B	50
Zinc	ug/l	2000	143		20	48.2		20	109		20	24.9	J	20	28.5		20	6.8	B	20	157		20	57.2		20

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Inorganic Analyses
216 Paterson Plank Road Site
Inorganic Validated Analytical Results

		Location ID:	MW-10S			MW-10S			MW-10S			MW-10S			MW-10S			MW-11S			MW-11S			MW-11S		
		Sample Date:	11/27/2001			09/19/2002			11/03/2003			11/16/2004			11/09/2005			04/21/1996			09/24/1996			11/06/1997		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**273**		200	94.4	B	200	117	B	200	< 200	U	200	< 200	U	200	**4560**		200	**235**		200	176	B	200
Antimony	ug/l	6	**11.4**	J	60	4.6	B	60	5.2	B	60	4.8	B	60	3	J	60	< 60	U	60	< 60	U	60	< 60	U	60
Arsenic	ug/l	3	**21.3**		10	**12.4**		10	**6.5**	B	10	**11.8**		10	**4.4**	J	10	< 10	U	10	**6**	B	10	< 10	U	10
Barium	ug/l	6000	434		200	420	J	200	347	J	200	354		200	169	J	200	74.1	B	200	139	B	200	118	B	200
Beryllium	ug/l	1	< 5	U	5	< 5	U	5	< 5	U	5	0.9	B	5	< 5	U	5	< 5	U	5	< 5	U	5	0.59	B	5
Cadmium	ug/l	4	< 5	U	5	< 5	U	5	0.25	B	5	< 5	U	5	< 5	U	5	< 5	U	5	0.74	B	5	< 5	U	5
Calcium	ug/l	NS	192000		5000	129000		5000	265000		5000	200000		5000	240000		5000	86300		5000	265000		5000	168000		5000
Chromium	ug/l	70	**667**		10	11.4		10	**280**		10	**112**		10	10.4		10	**141**		10	10.3		10	12.6		10
Cobalt	ug/l	NS	2.6	J	50	< 50	U	50	2.4	B	50	1.2	B	50	4	J	50	3.8	B	50	3.5	B	50	2.2	B	50
Copper	ug/l	1300	25.5		25	8.2	B	25	24.9	B	25	19.3	B	25	22.1	J	25	27.3		25	10	B	25	8.6	B	25
Cyanide	ug/l	100		NA			NA			NA			NA			NA		10	UN	10	< 10	U	10		NA	
Iron	ug/l	300	**3720**		100	**2860**		100	**2500**		100	**445**		100	**1060**		100	**6510**		100	**14500**		100	**11300**		100
Lead	ug/l	5	**5.8**		3	1.1	J	3	**10.8**		3	4.8		3	< 3	U	3	**22.6**		3	4.8		3	4.6		3
Magnesium	ug/l	NS	62800		5000	45100		5000	75500		5000	67700		5000	50500		5000	10900		5000	30100		5000	23300		5000
Manganese	ug/l	50	**1080**		15	**1040**		15	**842**		15	**718**		15	**650**		15	**585**		15	**5810**		15	**911**		15
Mercury	ug/l	2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	0.37		0.2	< 0.2	U	0.2	< 0.2	U	0.2
Nickel	ug/l	100	**203**		40	8.6	J	40	46.2		40	34.1	B	40	40.7	J	40	34.2	B	40	19.5	B	40	5.6	B	40
Potassium	ug/l	NS	49000	J	5000	38500	J	5000	39600	J	5000	36800		5000	25900		5000	6960		5000	15200	J	5000	16300		5000
Selenium	ug/l	40	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	UJ	5	< 5	U	5	< 5	UJ	5	< 5	U	5
Silver	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	UJ	10	< 10	U	10	< 10	U	10	< 10	U	10
Sodium	ug/l	50000	**474000**		5000	**333000**		5000	**305000**		10000	**378000**		10000	**187000**		5000	30400		5000	**84700**		5000	**56800**		5000
Thallium	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Vanadium	ug/l	NS	32.9	J	50	10.6	J	50	17	B	50	24	BJ	50	7.9	J	50	13.9	B	50	2.7	B	50	3.4	B	50
Zinc	ug/l	2000	45.1		20	4.5	B	20	45.1		20	33.9		20	193		20	73.5		20	60.6	R	20	14.4	B	20

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Inorganic Analyses
216 Paterson Plank Road Site
Inorganic Validated Analytical Results

		Location ID:	MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S			MW-11S		
		Sample Date:	10/27/1998			12/16/1999			12/06/2000			11/28/2001			09/19/2002			11/04/2003			11/16/2004			11/10/2005		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	141	B	200	**3090**		200	**6570**		200	**2950**		200	**1310**		200	**35100**		200	**5920**		200	**693**	J	200
Antimony	ug/l	6	< 60	U	60	4.1	B	60	4.3	B	60	< 60	U	60	< 60	U	60	< 60	U	60	**15.6**	B	60	3.3	J	60
Arsenic	ug/l	3	< 10	U	10	**9.7**	B	10	**17**		10	**5.9**	J	10	**8.1**	B	10	**65.9**		10	**19.9**		10	**5.2**	J	10
Barium	ug/l	6000	132	B	200	102	B	200	146	B	200	281		200	200	B	200	432		200	133	B	200	90.4	J	200
Beryllium	ug/l	1	0.25	B	5	0.22	B	5	0.47	B	5	< 5	U	5	< 5	U	5	**2.1**	B	5	**1.1**	B	5	< 5	U	5
Cadmium	ug/l	4	1.2	B	5	< 5	U	5	0.75	B	5	0.55	J	5	< 5	U	5	3.2	B	5	0.5	B	5	< 5	U	5
Calcium	ug/l	NS	106000		5000	96500		5000	87900		5000	186000		5000	153000		5000	82100		5000	89700		5000	87500		5000
Chromium	ug/l	70	50.8		10	**159**		10	**306**	J	10	**713**		10	**2140**		10	**11200**		10	**851**		10	**105**		10
Cobalt	ug/l	NS	2.6	B	50	3.1	B	50	5.8	B	50	5.4	J	50	4.4	B	50	26.8	B	50	3.9	B	50	0.64	J	50
Copper	ug/l	1300	8.2	B	25	35.6		25	58.2		25	45.1		25	35.7		25	525		25	68.1		25	8.1	J	25
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA			NA			NA	
Iron	ug/l	300	**2860**	J	100	**6060**		100	**12600**		100	**8620**		100	**10300**	J	100	**79200**		100	**7740**		100	**3390**		100
Lead	ug/l	5	3.5		3	**27.8**		3	**48.7**		3	**22.9**		3	**10.3**		3	**228**		3	**34.6**		3	4.9		3
Magnesium	ug/l	NS	12600		5000	12600		5000	12100		5000	23000		5000	18300		5000	15100		5000	11900		5000	11100		5000
Manganese	ug/l	50	**880**		15	**354**		15	**356**		15	**1700**		15	**1200**		15	**988**		15	**224**		15	**363**		15
Mercury	ug/l	2	< 0.2	U	0.2	0.36		0.2	0.86		0.2	0.38		0.2	0.15	B	0.2	**3.6**		0.2	0.47		0.2	< 0.2	U	0.2
Nickel	ug/l	100	34.2	B	40	24.2	B	40	70		40	**399**		40	**320**		40	**976**		40	94.9		40	16.5	J	40
Potassium	ug/l	NS	8650	J	5000	5780		5000	6390	J	5000	17200	J	5000	15300	J	5000	7470		5000	4670	B	5000	6010		5000
Selenium	ug/l	40	< 5	U	5	< 5	U	5	< 5	UJ	5	< 5	U	5	7.4	J	5	2.8	B	5	< 5	U	5	< 5	UJ	5
Silver	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	1.2	B	10	< 10	U	10	< 10	UJ	10
Sodium	ug/l	50000	27800		5000	28600		5000	35500		5000	**394000**		5000	**380000**	J	5000	**82900**		5000	39400		5000	35200		5000
Thallium	ug/l	2	< 10	U	10	< 10	U	10	**13.9**		10	< 10	U	10	< 10	UJ	10	1.7	B	10	< 10	U	10	< 10	U	10
Vanadium	ug/l	NS	1.8	B	50	15	B	50	31.4	B	50	12.7	J	50	16.8	B	50	168		50	25.5	BJ	50	4	J	50
Zinc	ug/l	2000	38.1		20	59.1		20	111		20	59.6		20	53.1		20	532		20	90.1		20	< 20	U	20

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Inorganic Analyses
216 Paterson Plank Road Site
Inorganic Validated Analytical Results

		Location ID:	MW-11S			MW-11S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	11/07/2006			07/02/2007			04/21/1996			09/23/1996			11/04/1997			10/26/1998			12/16/1999			12/06/2000		
		Sample Type (N= Primary Sample, FD = Field Duplicate):	N			N			N			N			N			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**1470**		200	**1100**		200	**5140**		200	118	B	200	169	B	200	70.8	B	200	**8380**		200	**6810**		200
Antimony	ug/l	6	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60	< 60	U	60
Arsenic	ug/l	3	**11**		10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	1.9	B	10	< 10	U	10	**3.5**	B	10
Barium	ug/l	6000	107	J	200	< 200	U	200	56	B	200	33	B	200	40.4	B	200	51.8	B	200	77	B	200	72.8	B	200
Beryllium	ug/l	1	< 5	U	5	< 5	U	5	0.68	B	5	< 5	U	5	0.57	B	5	0.21	B	5	< 5	U	5	0.24	B	5
Cadmium	ug/l	4	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	0.39	B	5
Calcium	ug/l	NS	131000		5000	79200	J	5000	55500		5000	49700		5000	54300		5000	77000		5000	63200		5000	55800		5000
Chromium	ug/l	70	**89.1**		10	**105**		10	43.7		10	< 10	U	10	< 10	U	10	4.2	B	10	45		10	38.3	J	10
Cobalt	ug/l	NS	< 50	U	50	< 50	U	50	3.6	B	50	0.68	B	50	0.95	B	50	0.86	B	50	6.2	B	50	5.5	B	50
Copper	ug/l	1300	13	J	25	27.9		25	46.2	E	25	11.8	B	25	7.5	B	25	10.3	B	25	89.9		25	80.2		25
Cyanide	ug/l	100		NA			NA		< 10	U	10	< 10	U	10		NA			NA			NA			NA	
Iron	ug/l	300	**1510**	J	100	**12700**	J	100	**6850**		100	105		100	**467**		100	452	R	100	**10300**		100	**8630**		100
Lead	ug/l	5	**5.8**		3	**14.2**		3	**28.6**		3	1.5	B	3	4.2		3	2.2	B	3	**37.6**		3	**29**		3
Magnesium	ug/l	NS	16200		5000	9870	J	5000	10100		5000	7270		5000	8720		5000	12600		5000	14400		5000	12100		5000
Manganese	ug/l	50	**167**		15	**495**	J	15	**247**		15	**74.3**		15	**327**		15	**162**		15	**120**		15	**228**		15
Mercury	ug/l	2	< 0.2	U	0.2	< 0.2	U	0.2	0.4		0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	0.89		0.2	0.58		0.2
Nickel	ug/l	100	15.2	J	40	**1200**		40	29.5	B	40	11.1	B	40	< 40	U	40	9	B	40	25.7	B	40	22.1	B	40
Potassium	ug/l	NS	3320	J	5000	< 5000	U	5000	3500	BE	5000	4070	J	5000	4450	B	5000	4960	J	5000	4170	B	5000	3420	J	5000
Selenium	ug/l	40	< 5	U	5	5.4		5	< 5	U	5	< 5	UJ	5	< 5	U	5	< 5	U	5	< 5	U	5	4.8	J	5
Silver	ug/l	40	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Sodium	ug/l	50000	36300		5000	48100		5000	11000		5000	9200		5000	6580		5000	13000		5000	10800		5000	9920		5000
Thallium	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	**6**	B	10
Vanadium	ug/l	NS	5.5	J	50	< 50	U	50	13.1	B	50	3.1	B	50	2.8	B	50	1.5	B	50	19	B	50	17.5	B	50
Zinc	ug/l	2000	< 20	U	20	27.5		20	95		20	99	R	20	13	B	20	27.2		20	145		20	114		20

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

Summary of Inorganic Analyses
216 Paterson Plank Road Site
Inorganic Validated Analytical Results

		Location ID:	MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S			MW-12S		
		Sample Date:	11/28/2001			09/26/2002			11/04/2003			11/04/2003			11/16/2004			11/16/2004			11/10/2005			11/08/2006		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N			N			FD			N			FD			N			N			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**21000**		200	**919**		200	**21300**		200	**5660**		200	**784**		200	**1110**		200	**265**	J	200	**592**		200
Antimony	ug/l	6	< 60	U	60	< 60	U	60	2.9	B	60	< 60	U	60	< 60	U	60	3.7	B	60	< 60	U	60	< 60	U	60
Arsenic	ug/l	3	< 10	U	10	1.4	B	10	**3.4**	B	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Barium	ug/l	6000	167	J	200	36.2	B	200	156	B	200	76.1	B	200	24.7	B	200	26.3	B	200	23.7	J	200	26.8	J	200
Beryllium	ug/l	1	< 5	U	5	< 5	U	5	0.56	B	5	< 5	U	5	0.79	B	5	0.73	B	5	< 5	U	5	< 5	U	5
Cadmium	ug/l	4	2	J	5	< 5	U	5	1.5	B	5	0.26	B	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5
Calcium	ug/l	NS	78600		5000	62700		5000	63200		5000	57500		5000	52500		5000	52500		5000	56700		5000	74300		5000
Chromium	ug/l	70	**171**		10	9.6	B	10	**184**		10	47.6		10	9.3	B	10	15.8		10	2.3	J	10	3.2	J	10
Cobalt	ug/l	NS	17.4	J	50	0.98	B	50	14.3	B	50	3.8	B	50	0.75	B	50	0.83	B	50	0.5	J	50	< 50	U	50
Copper	ug/l	1300	246		25	13.5	B	25	249		25	63.4		25	25.1		25	24.6	B	25	8.3	J	25	< 25	U	25
Cyanide	ug/l	100		NA			NA			NA			NA			NA			NA			NA			NA	
Iron	ug/l	300	**27000**		100	**1180**		100	**25700**		100	**6610**		100	**874**		100	**1260**		100	**633**		100	**745**	J	100
Lead	ug/l	5	**86.6**		3	4.7		3	**97.1**		3	**21.5**		3	**5.1**		3	**5.4**		3	2.4	J	3	2.2	J	3
Magnesium	ug/l	NS	22100		5000	11000		5000	18900		5000	11400		5000	8360		5000	8430		5000	8880		5000	11500		5000
Manganese	ug/l	50	**469**		15	**104**		15	**264**		15	**115**		15	19.9		15	21.9		15	**83.2**		15	24.3		15
Mercury	ug/l	2	1.3		0.2	< 0.2	U	0.2	1.9		0.2	0.5		0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2	< 0.2	U	0.2
Nickel	ug/l	100	**148**		40	9.2	B	40	**156**		40	35.7	B	40	7.1	B	40	8.6	B	40	2.3	J	40	2.4	J	40
Potassium	ug/l	NS	3740	J	5000	2050	B	5000	3050	B	5000	2260	B	5000	1090	B	5000	1130	B	5000	1950	J	5000	1050	J	5000
Selenium	ug/l	40	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	U	5	< 5	UJ	5	< 5	U	5
Silver	ug/l	40	< 10	U	10	< 10	U	10	1.1	B	10	< 10	U	10	< 10	U	10	< 10	U	10	0.27	J	10	< 10	U	10
Sodium	ug/l	50000	13500		5000	9460		5000	6680		5000	6240		5000	4010	B	5000	4010	B	5000	4870	J	5000	5430		5000
Thallium	ug/l	2	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10	< 10	U	10
Vanadium	ug/l	NS	48.2	J	50	4.7	B	50	49.9	B	50	16	B	50	5.1	BJ	50	5.7	BJ	50	1.8	J	50	< 50	U	50
Zinc	ug/l	2000	332		20	10.3	B	20	331		20	83.3		20	29		20	30.5		20	< 20	U	20	< 20	U	20

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

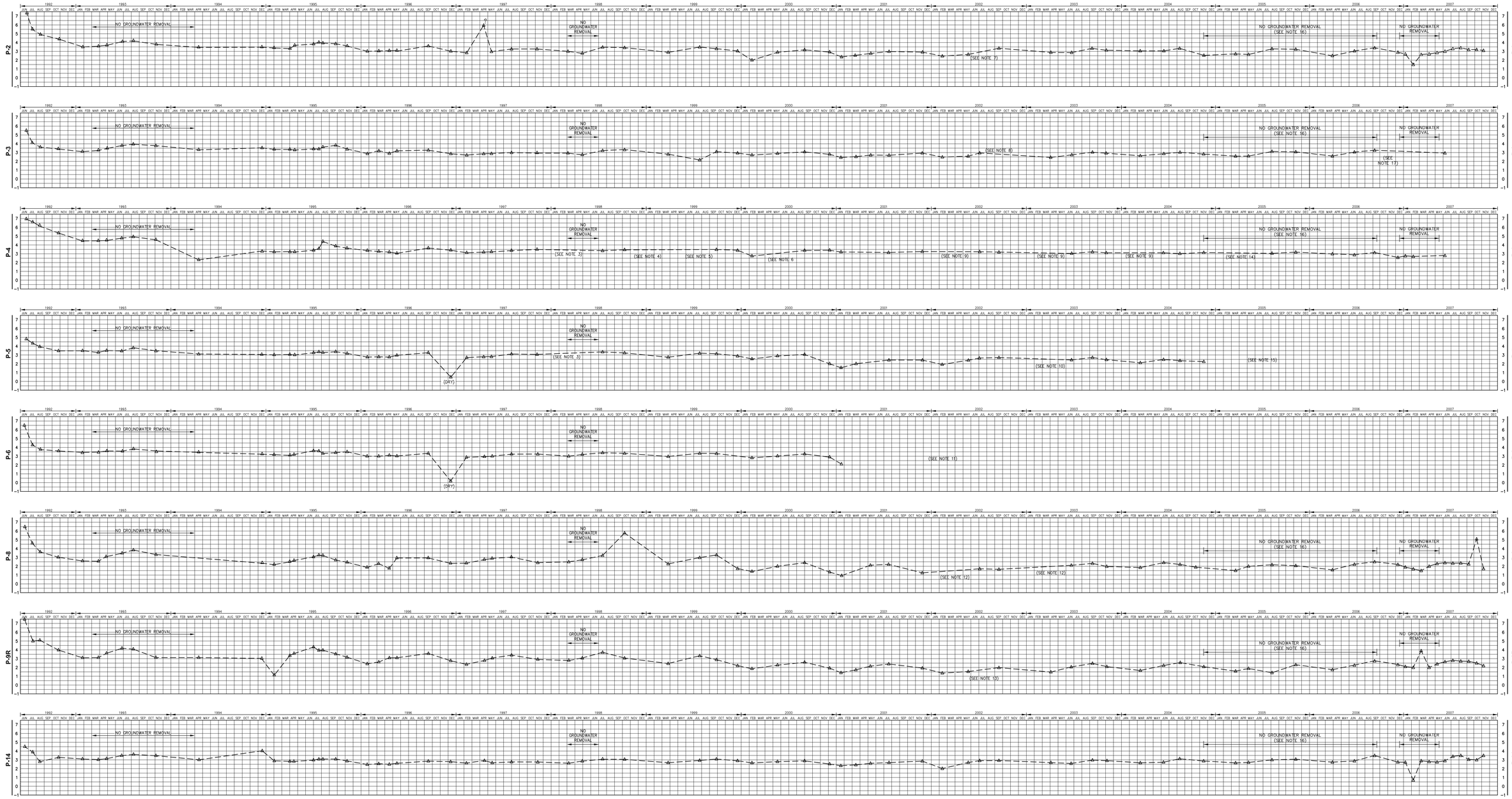
Summary of Inorganic Analyses
216 Paterson Plank Road Site
Inorganic Validated Analytical Results

		Location ID:	MW-12S		
		Sample Date:	06/29/2007		
Sample Type (N= Primary Sample, FD = Field Duplicate):			N		
Parameter	**Unit**	**GWQS***	**Result**	**Qualifier**	**Rept Limit**
Aluminum	ug/l	200	**2330**		200
Antimony	ug/l	6	< 60	U	60
Arsenic	ug/l	3	< 10	U	10
Barium	ug/l	6000	< 200	U	200
Beryllium	ug/l	1	< 5	U	5
Cadmium	ug/l	4	< 5	U	5
Calcium	ug/l	NS	75800		5000
Chromium	ug/l	70	18.3		10
Cobalt	ug/l	NS	< 50	U	50
Copper	ug/l	1300	52.9		25
Cyanide	ug/l	100		NA	
Iron	ug/l	300	**3800**	J	100
Lead	ug/l	5	**17.1**		3
Magnesium	ug/l	NS	13000		5000
Manganese	ug/l	50	**140**	J	15
Mercury	ug/l	2	< 0.2	U	0.2
Nickel	ug/l	100	45		40
Potassium	ug/l	NS	< 5000	U	5000
Selenium	ug/l	40	< 5	U	5
Silver	ug/l	40	< 10	U	10
Sodium	ug/l	50000	5040		5000
Thallium	ug/l	2	< 10	U	10
Vanadium	ug/l	NS	< 50	U	50
Zinc	ug/l	2000	68.9		20

Notes: NA = Not Analyzed, NS = No Standard Available
GWQS: Groundwater Quality Standards N.J.A.C. 7:9C
Results that equal or exceed the GWQS are shown in bold

APPENDIX H

INTERIM REMEDY GROUNDWATER HYDROGRAPHS



ELEVATION HYDROGRAPHS FOR PIEZOMETERS IN THE FOU

NOTES

1.) ALL ELEVATIONS ARE FEET – MEAN SEA LEVEL.

2.) WATER LEVEL DATA BETWEEN JUNE 1992 AND APRIL 1994 TAKEN FROM QUARTERLY O&M MONITORING REPORT DATED AUGUST 5, 1994 BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

3.) PIEZOMETERS P–4 AND P–5 WERE DRY DURING THE MARCH AND APRIL 1998 EVENTS. THE DEPTH OF THE BOTTOM OF PIEZOMETER P–4 AND P–5 FROM THE TOP OF INNER CASING WAS MEASURED AT APPROXIMATELY 8.10 FEET AND 6.50 FEET RESPECTIVELY, INDICATING BLOCKAGE.

4.) PIEZOMETER P–4 WAS DRY DURING THE MARCH 1999 EVENT. DEPTH TO BOTTOM OF PIEZOMETER P–4 FROM THE TOP OF INNER CASING WAS MEASURED AT 7.59 FEET.

5.) PIEZOMETER P–4 WAS DRY DURING THE JULY 1999 EVENT. DEPTH TO BOTTOM OF PIEZOMETER P–4 FROM THE TOP OF INNER CASING WAS MEASURED AT 6.28 FEET.

6.) PIEZOMETER P–4 WAS DRY DURING THE MAY 2000 EVENT. DEPTH TO BOTTOM OF PIEZOMETER P–4 FROM THE TOP OF INNER CASING WAS MEASURED AT 8.13 FEET.

7.) PIEZOMETER P–2 WAS DRY DURING THE JULY 2002 EVENT. DEPTH TO BOTTOM OF PIEZOMETER P–2 FROM THE TOP OF INNER CASING WAS MEASURED AT 11.12 FEET.

8.) PIEZOMETER P–3 WAS DRY DURING THE SEPTEMBER 2002 EVENT. DEPTH TO BOTTOM OF PIEZOMETER P–3 FROM THE TOP OF INNER CASING WAS MEASURED AT 6.80 FEET.

9.) PIEZOMETER P–4 WAS DRY DURING THE FEBRUARY AND MAY 2002 EVENTS. DEPTH TO BOTTOM OF PIEZOMETER P–4 FROM THE TOP OF INNER CASING WAS MEASURED AT 8.67 AND 8.25 FEET RESPECTIVELY. PIEZOMETER P–4 WAS ALSO DRY DURING THE APRIL 2003 AND MARCH 2004 EVENTS.

10.) PIEZOMETER P–5 WAS DRY DURING THE FEBRUARY AND MAY 2002 EVENTS, AS WELL AS THE APRIL 2003 EVENT.

11.) PIEZOMETER P–6 WAS NOTED TO BE DAMAGED DURING THE FEBRUARY 2002 SAMPLING EVENT, AND THEREFORE NO USABLE MEASUREMENTS HAVE BEEN RECORDED SINCE.

12.) PIEZOMETER P–8 WAS DRY DURING THE FEBRUARY AND MAY 2003 EVENTS.

13.) PIEZOMETER P–9R WAS DRY DURING THE JULY 2002 EVENT.

14.) PIEZOMETER P–4 WAS NOTED AS DRY DURING THE MARCH 2005 EVENT. DURING THE MAY 2005 EVENT, THERE WAS AN OBSTRUCTION NOTED IN THE PIEZOMETER.

15.) PIEZOMETER P–5 COULD NOT BE SAMPLED DURING THE FIRST QUARTER 2005 SAMPLING EVENT DUE TO A BROKEN INNER CASING AND NO MEASUREMENTS HAVE BEEN RECORDED SINCE.

16.) GROUNDWATER EXTRACTION SYSTEM WAS SHUT OFF DUE TO DAMAGE AS A RESULT OF A LOCALIZED FIRE. PERIODIC MANUAL PUMPING OF WELLS WAS CONDUCTED IN WINTER, 2005.

17.) PIEZOMETER P–3 WAS DRY DURING THE DECECEMBER 2006 EVENT.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT

216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE

GROUNDWATER LEVEL DATA (SHEET 1 OF 3)

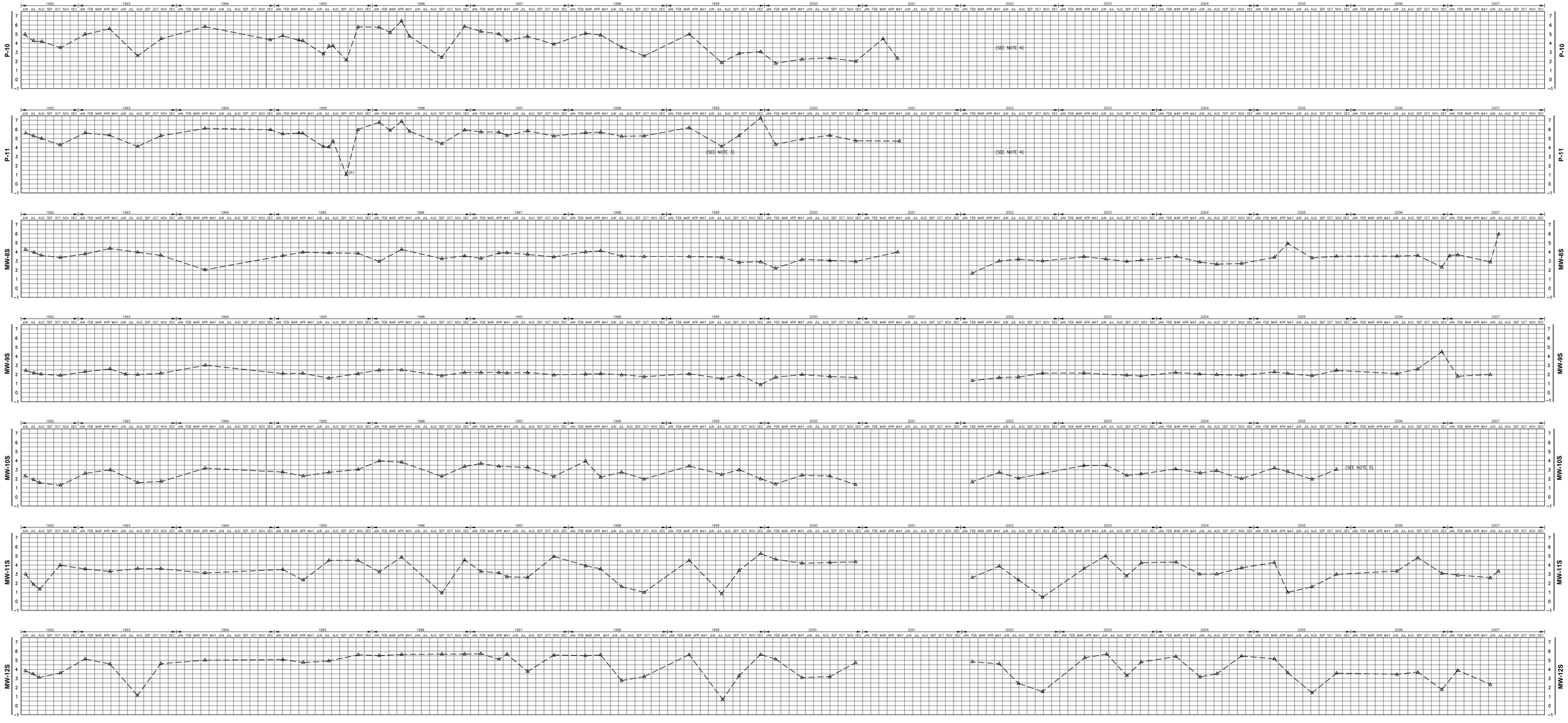
NJ Authorization #24GA28029100

Golder Associates
Mt Laurel, New Jersey

PROJECT No.		943–6222	FILE No.	9436222S015
DESIGN	KM	11/30/07	SCALE N.T.S.	REV. 0
CADD	RG	07/08/09	FIGURE H-1	
CHECK	RJI	07/08/09		
REVIEW	PSF	07/08/09		

Drawing file: 9436222S015.dwg JUL 08, 2009 – 3:45pm

R2-0001220



ELEVATION HYDROGRAPHS FOR SHALLOW WELLS AND PIEZOMETERS OUTSIDE THE SLURRY WALL

NOTES

1.) ALL ELEVATIONS ARE FEET – MEAN SEA LEVEL.

2.) WATER LEVEL DATA BETWEEN JUNE 1992 AND APRIL 1994 TAKEN FROM QUARTERLY O&M MONITORING REPORT DATED AUGUST 5, 1994 BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

3.) PIEZOMETER P–11 WAS DRY DURING THE JULY 1999 EVENT. DEPTH TO BOTTOM OF PIEZOMETER P–11 FROM THE TOP OF INNER CASING WAS MEASURED AT 7.98 FEET, INDICATING BLOCKAGE.

4.) PIEZOMETERS P–10 AND P–11 WERE NOTED AS DAMAGED DURING THE 2002 SAMPLING EVENTS, AND THEREFORE NO USABLE MEASUREMENTS HAVE BEEN RECORED SINCE.

5.) MW–10S DECOMMISSIONED IN NOVEMBER 2005.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT

216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE

GROUNDWATER LEVEL DATA (SHEET 2 OF 3)

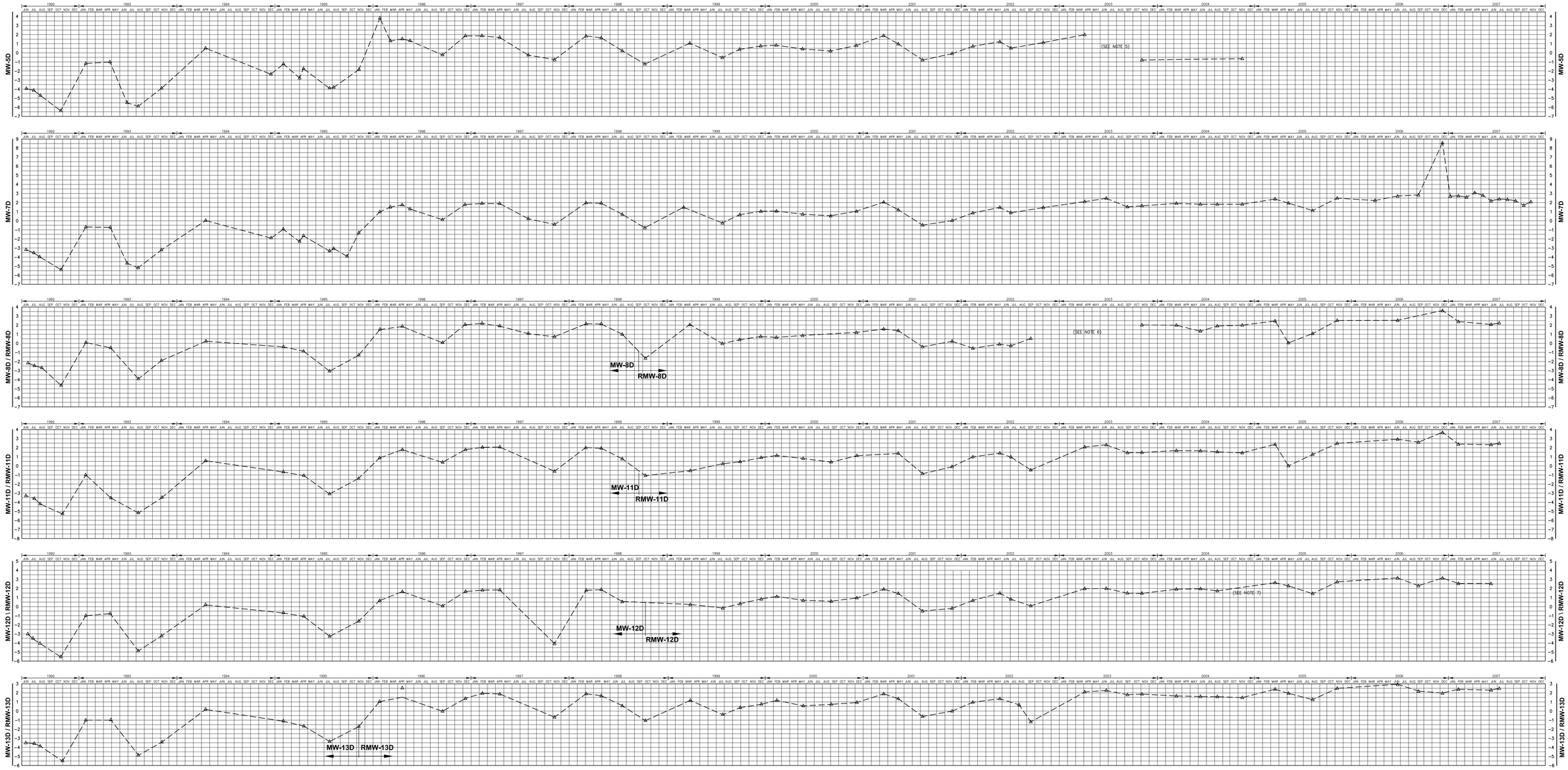
NJ Authorization #24GA28029100

Golder Associates
Mt Laurel, New Jersey

PROJECT No.		943–6222	FILE No.	9436222S016
DESIGN	KM	11/30/07	SCALE AS SHOWN	REV. 0
CADD	RG	07/08/09		
CHECK	RJI	07/08/09	**FIGURE H-2**	
REVIEW	PSF	07/08/09		

Drawing file: 9436222S016.dwg Jul 08, 2009 - 3:42pm

R2-0001221



ELEVATION HYDROGRAPHS FOR WELLS SCREENED IN THE GLACIAL TILL

NOTES

1.) ALL ELEVATIONS ARE FEET – MEAN SEA LEVEL.

2.) WATER LEVEL DATA BETWEEN JUNE 1992 AND APRIL 1994 TAKEN FROM QUARTERLY O&M MONITORING REPORT DATED AUGUST 5, 1994 BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

3.) MONITORING WELLS MW–2D AND MW–2R WERE DECOMMISSIONED IN SEPTEMBER 1998 AS PART OF THE OFF–PROPERTY INVESTIGATION.

4.) MONITORING WELLS MW–13D WAS DECOMISSIONED IN NOVEMBER 1995. MONITORING WELLS MW–8D AND MW–11D WERE DECOMMISSIONED IN SEPTEMBER 1998. MW–12D WAS DECOMMISSIONED IN OCTOBER 1998 AS PART OF THE OFF–PROPERTY INVESTIGATION. THESE FOUR MONITORING WELLS WERE REPLACED WITH RMW–8D, RMW–11D, RMW–12D AND RMW–13D RESPECTIVELY.

5.) MONITORING WELL RMW–5D WAS REMOVED FROM THE SYNOPTIC WATER LEVEL MEASURMENT PROGRAM FOLLOWING THE APRIL 2004 SAMPLING EVENT. MEASUREMENTS LATER THAN APRIL 2004 WERE COLLECTED JUST PRIOR TO LOW FLOW PURGING.

6.) MONITORING WELL RMW–8D WAS INACCESSIBLE AND WAS NOT MEASURED DURING THE APRIL 2003, JUNE 2003, AND SEPTEMBER 2003 SAMPLING EVENTS.

7.) WATER LEVEL DATA FROM MONITORING WELL RMW–12D FOR THE OCTOBER 2004 EVENT WAS NOT USED DUE TO INFILTRATION OF SURFACE WATER.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT

216 PATERSON PLANK ROAD NPL SITE
CARLSTADT, NEW JERSEY

TITLE

GROUNDWATER LEVEL DATA (SHEET 3 OF 3)

NJ Authorization #24GA28029100

Golder Associates
Mt Laurel, New Jersey

PROJECT No.		943–6222	FILE No.	9436222S017
DESIGN	KM	11/30/07	SCALE AS SHOWN	REV. 0
CADD	RG	07/08/09		
CHECK	RJI	07/08/09		
REVIEW	PSF	07/08/09		

FIGURE H-3

Drawing file: 9436222017.dwg Jul 08, 2009 - 3:44pm

R2-0001222