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New York State Department of Environmental Conservation

Final Remedial Investigation Report

Former Munsey Cleaners (OU2) and
Former Plaza Cleaners Sites
Port Washington, New York
Site # 130081 and 130108
Work Assignment # D-004439-18.1
and D-004439-14.1

November 2011

ARCADIS

Signature 1 Name
Title

Signature 2 Name
PRINCIPAL HYDROGEOLOGIST
Title

New York State Department of Environmental Conservation

Final Remedial Investigation Report

Prepared for:
New York State Department of Environmental Conservation

Prepared by:
ARCADIS-US
855 Route 146
Suite 210
Clifton Park
New York 12065
Tel 518 250 7300
Fax 518 250 7301

Our Ref.:
0266380.0000

Date:
November 2011

ARCADIS

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1. Introduction

The New York State Department of Environmental Conservation (NYSDEC) tasked ARCADIS-US, formerly Malcolm Pirnie, Inc. (Malcolm Pirnie), to perform Remedial Investigations (RIs) at the former Munsey Cleaners Operable Unit 2 (OU-2) and the former Plaza Cleaners sites in the Town of North Hempstead, New York (Site number 130081 and 130108, respectively). The RI activities were conducted under the NYSDEC State Superfund Standby Contract Nos. D004439-18.1 and D004439-14.1 in accordance with the January 2008 former Munsey Cleaners Remedial Investigation/Feasibility Study (RI/FS) Work Plan and the June 2009 former Plaza Cleaners Remedial Investigation Work Plan. The purpose of this combined RI is to investigate off-site groundwater containing site-related volatile organic compounds (VOCs) and any buildings potentially affected by soil vapor intrusion associated with the site-related VOC-containing groundwater.

Remedial Investigation Objectives

This RI Report summarizes the results of field activities conducted to meet the following objectives:

- Expand the off-site investigations to assess the limits of the dissolved-phase VOC plume;
- Evaluate the potential for soil vapor intrusion into buildings over the dissolved-phase VOC plume and determine whether actions are needed to address exposures related to soil vapor intrusion; and
- Characterize the geology and hydrogeology in the vicinity of the former Munsey and Plaza Cleaners sites to facilitate the evaluation of interim remedial and final remedial alternatives and provide a basis for additional investigation activities, if warranted.

Standards, Criteria, and Guidance (SCGs)

Title 6 of the NYSCRR Part 375 requires that SCGs are identified and that remedial actions conform with SCGs unless “good cause exists why conformity should be dispensed with.” Standards and Criteria are clean-up standards, standards of control, and other substantive environmental protection requirements, criteria, or limitations promulgated under federal or state law that specifically address a hazardous substance, pollutant, contaminant, remedial action, or location. Guidance includes

non-promulgated criteria and guidelines that are not legal requirements; however, the site's remedial program should be designed with consideration given to guidance that, based on professional judgment, is determined to be applicable to the former Munsey and Plaza Cleaners sites.

The principle SCGs for the former Munsey and Plaza Cleaners sites are listed below:

General:

6 NYCRR Part 375 – Environmental Remediation Programs, including the Inactive Hazardous Waste Disposal Site Remedial Program

6 NYCRR Part 371 – Identification and Listing of Hazardous Wastes

NYSDEC DER-10 – Technical Guidance for Site Investigation and Remediation

Soil:

6 NYCRR Part 375 – Soil Clean-up Objectives

Water:

6 NYCRR Part 700-705, Water Quality Regulations for Surface Water and Groundwater

NYSDEC Division of Water TOGS 1.1.1 – Ambient Water Quality Standards and Groundwater Effluent Limitations

Indoor Air:

NYSDOH October 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York

2. Background

Site Description

The former Munsey and Plaza Cleaners sites are located in an urban area in the Hamlet of Port Washington, Nassau County, Long Island, New York (Figures 1 and 2). Port Washington is located on the approximately 13.5 square-mile, Manhasset Neck peninsula. The Manhasset Neck is surrounded by the Long Island Sound toward the north, Manhasset Harbor to the east and Hempstead Harbor to the west.

The former Munsey Cleaners site is located at the southeastern corner of Port Washington Boulevard and Main Street. The former Plaza Cleaners site, located at the junction of Port Washington Boulevard and Maple Street, is approximately 250 feet southwest of the former Munsey Cleaners site. The Munsey Cleaners OU-1 consists of the property boundary of the site. The Munsey Cleaners OU-2 represents the off-site groundwater and potential indoor air impacts. For the purposes of this RI, the Munsey and Plaza Cleaners sites refer to the properties on which these two businesses formerly operated while the Munsey and Plaza Cleaners investigation area encompasses the area of groundwater contamination, which extends off-site from the former Munsey and Plaza Cleaners sites to the west and northwest (Figure 1).

Dissolved-phase VOC plumes primarily containing tetrachloroethene (PCE) and trichloroethene (TCE) extend off-site from the former Munsey and Plaza Cleaners sites along Port Washington Boulevard approximately three quarters of a mile to the north and northwest. Previous investigations completed at these sites did not fully delineate the dissolved-phase PCE/TCE plume. During a Focused Phase II Remedial Investigation in 2002, concentrations of PCE detected in groundwater sampled at the former Munsey Cleaners site ranged from 43 micrograms-per-liter (µg/L) to 1,900 µg/L, while TCE concentrations ranged from not detected to 60 µg/L. In groundwater sampled at the former Plaza Cleaners site in 2003, PCE concentrations ranged from 3 to 809 µg/L.

Physical Setting

Land use is mixed-use commercial and residential in the vicinity of the Munsey and Plaza Cleaners sites. Most businesses are on Port Washington Boulevard and Main Street. Residential areas are generally north of Main Street, and in the Village of Baxter Estates (Figure 2).

The topography of the investigation area generally slopes irregularly downward from the former Munsey and Plaza Cleaners properties toward the north and west and upward toward the east. The topography consists of small hummocks (< 5 to 10 feet), kame moraines, and glacial meltwater-incised valleys.

Hydrogeology

The former Munsey and Plaza Cleaners properties are situated at an elevation of approximately 125 feet above mean sea level (AMSL) on the Manhasset Neck in northern Nassau County (Figure 1). Regional topography consists of irregular inland highlands that slope toward the water bodies, with a gentle slope toward the west and steeper slopes toward the east.

Baxter Brook (Swarzenski, 1963), originating west of Port Washington Boulevard, approximately 100 feet north of its intersection with Delaware Avenue flows to the west and runs along Central Drive before flowing into Baxter Pond. A second creek (presumably Stannards Brook), originates at the southern end of Madison Street and flows through Stannards Brook County Park to the north of Charles Street. Neither of these creeks has been classified by the NYSDEC.

The upper glacial aquifer present beneath the former Munsey and Plaza Cleaners sites is a shallow, unconsolidated aquifer of variable thickness. The water table occurs at varying depths in this area because of the irregular topography, and ranges in elevation from approximately 10 to 150 feet AMSL (Stumm, et al. 2002). The upper glacial aquifer is underlain by the North Shore confining unit (NScu). The upper surface elevation of the NScu ranges from approximately 35 to 150 feet below mean sea level (BMSL) across the Manhasset Neck (Stumm, et al. 2002).

Mean annual groundwater pumping from the upper glacial aquifer was 365.6 million gallons through 1992-1996 (data from the Albertson, Manhasset-Lakeville, Port Washington and Roslyn Water Districts; Sands Point Water Department, and New York State Department of Environmental Conservation, in Stumm et al., 2002). The Manhasset Neck is heavily developed with residential and commercial properties. As such, surface run-off is controlled by pavement and stormwater drainage systems.

In the vicinity of the former Munsey and Plaza Cleaners sites, treated groundwater is used as a local potable water source. The Port Washington Water District (PWWD) receives a portion of its water from two supply wells (N-06087 & N-04860) located

approximately 3,700 and 4,100 feet from the former Munsey and Plaza sites, respectively (Figures 4, 5 and 6). These wells are in the Sandy Hollow Well Field, which is downgradient of the former Munsey and Plaza Cleaners sites, and are screened in the upper glacial aquifer. An additional potable water supply well from the PWWD is present at the east end of Bar Beach Road, which is approximately 0.5 miles southeast of the former Munsey and Plaza Cleaners sites. The PWWD serves an area of approximately six square miles that includes the communities of Port Washington, Manorhaven, Port Washington North, Baxter Estates and parts of Flower Hill and Plandome Manor. The PWWD website indicates they serve an average of 9,250 customers with approximately 1.3 billion gallons of water annually.

Regional Geology

The Munsey and Plaza Cleaners sites are located in northwestern Long Island, which has a surficial geology dominated by glacial deposits including moraines, kame deposits, fluvial sands, outwash deposits, shallow marine clays, and eroded valley-fill deposits. Based on regional geologic maps (Cadwell, 1989), surficial deposits in the vicinity of the Munsey and Plaza Cleaners sites include Upper and Lower Pleistocene glacial deposits. The Magothy Formation, the Raritan Formation deposits, and the Lloyd Sand Member are generally located south of the site (Stumm, et al. 2002). Geologic cross-sections in Stumm et al. (2002) indicate the Magothy is not present in the vicinity of the site; however, the NScu and North Shore aquifer are present. Soil at the site is mapped by the Nassau County Soil Survey as Riverhead – Enfield Soil – Urban Land Complex, which consists of nearly level to strongly sloping, well drained, moderately coarse textured and medium textured soils, urban land sands, (fill) and silty sands. The uppermost geologic unit, the upper glacial aquifer, is composed of sediments deposited during the Pleistocene.

The Magothy Formation is composed of unconsolidated sands with discontinuous layers of silts and clays, with a bottom unit of coarse sand and gravel. The formation is exposed along the coast on the north shore of Long Island, with the top of the unit dipping southerly to a depth of approximately 600 feet below sea level at the south shore. The Magothy Formation thickens toward the south, and is approximately 1,000 feet thick in southwestern Suffolk County. The Raritan Formation consists of an upper clay member and a lower sand member (Lloyd Sand). The clay member is a confining unit, resulting in confining conditions within the Lloyd Aquifer. The top of the Lloyd Aquifer is approximately 200 feet below sea level beneath the north shore and dips southerly to approximately 1,500 feet beneath the south shore. Stumm et al.

(2002) suggests that the correlation of the Lloyd Sands Aquifer and Raritan Confining Unit along the north shore of Long Island is “questionable” and therefore assigned the nomenclature of North Shore Aquifer and North Shore Confining Unit.

The bedrock basement beneath Long Island is comprised principally of gneissic metamorphic rocks, which are part of a belt of metamorphic rocks underlying most of eastern North America. Exposures of this rock are found in the Bronx and Yonkers and in a belt extending northeasterly through New Jersey into upstate New York. Based on information from cross sections in Stumm et al. 2002, bedrock elevation (biotite-garnet schist of the Hartland Formation) varies from approximately 150 to 400 feet BMSL.

Previous Investigation and Remediation Activities

Numerous investigation and remediation activities have been conducted at the Munsey and Plaza Cleaners sites. Contaminated soil was excavated and removed from both the Munsey and Plaza Cleaners sites. A soil vapor extraction (SVE) and sub-slab depressurization (SSD) system are currently operating at the Munsey Cleaners site. A SVE system has been installed at the Plaza Cleaners site but is not in operation. These activities are summarized below.

Former Munsey Cleaners Site

A Preliminary Site Assessment (PSA) was conducted at the former Munsey Cleaners (OU-1) site in 1996 and included soil sampling in the basement area and groundwater sampling. During the PSA, PCE concentrations in soil were found to be as high as 12,000 parts per million (ppm) in the vicinity of the basement floor drain. In 1996, approximately 30 tons of contaminated soil were removed from the Munsey Cleaners site as part of Interim Remedial Measures (IRMs) completed at OU-1. Following the soil excavation, a SVE system was installed and operated until July 1998 when soil samples indicated that contamination levels were reduced to less than NYSDEC SCG levels.

Samples collected during the PSA indicated that PCE was present in groundwater in the vicinity of the Munsey Cleaners site at a concentration greater than the NYSDEC Class GA groundwater standard. Groundwater samples from wells located both on-site and off-site that were installed during a RI completed in 2001 demonstrated VOC contamination levels consistent with those found during the PSA. Currently groundwater samples are periodically collected in OU-1. Results from these sampling

events indicate a significant decrease in PCE levels except for the most downgradient well. The decrease in PCE levels within OU-1 may be attributable to the operation of the SVE system installed during the 1996 IRM.

A soil vapor survey was conducted in August 2002 at the Munsey Cleaners site. Results from the survey indicated on-site sub-slab concentrations of PCE ranging from 59,600 to 201,000 micrograms per cubic meter (µg/m^3). In 2003, the SVE system was restarted to address soil vapor intrusion. Quarterly sampling showed a significant decrease in VOC concentrations in indoor air. A Record of Decision (ROD) was issued for the Munsey Cleaners OU-1 in 2005, stating that both SVE and SSD systems be continuously operated to address soil vapor intrusion at the Site. Based on the effectiveness of IRMs implemented at the Munsey Cleaners site, a No Further Action ROD was made for Munsey Cleaners OU-1 in November 2005. The selected remedy for the Munsey Cleaners site included: operation of SVE and SSD systems at the site, monitoring, maintenance, and sampling.

The results from the February 2007 indoor air sampling event, which were the most recently available data prior to the implementation of this RI, indicated that on-site PCE concentrations were lower; however, the levels still exceeded the New York State Department of Health (NYSDOH) *2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*.

Former Plaza Cleaners Site

The 0.25-acre Plaza Cleaners site includes a one-story concrete building in the southwestern corner of the lot that is currently being used as a dry cleaner business. The remaining portion of the property is covered with asphalt. This property has operated as a dry cleaner since 1964. In 1998, a Phase I Environmental Site Assessment indicated recognized environmental conditions associated with an underground storage tank (UST) on-site and the long-term operation of a dry cleaner. PCE was subsequently identified in a floor drain within the building and in sub-slab soils during a Phase II Environmental Audit. In 1998 and 1999, under the oversight of the Nassau County Department of Health, approximately 941 tons of contaminated soil was excavated and disposed of off-site at a permitted disposal facility. An Order on Consent was negotiated between NYSDEC and the responsible party in March 2001. During a 2003 Phase II subsurface soil and groundwater investigation conducted under NYSDEC oversight, PCE was detected in on-site groundwater samples at concentrations ranging from 3 to 809 µg/L. Residual PCE was detected in

on-site soil ranging from non-detect to 1.01 ppm. An RI/FS was initiated by the responsible party and, in February 2007, a Remedial Action Plan/Feasibility Study (RAP/FS) plan was submitted to NYSDEC; however, in May 2007, the Consent Order was terminated by NYSDEC. In the fall of 2007, the Plaza Cleaners site was listed as a Class 2 site and the completion of the RI/FS was referred to the State Superfund. An SVE system was installed at the Plaza Cleaners site by the responsible party but was never operated.

Sandy Hollow Well Field

The Sandy Hollow Well Field is located to the south of Sandy Hollow Road on the northern edge of the Village of Baxter Estates. Treated groundwater from this well field is used as a local potable water source, which is supplied by the Port Washington Water District (PWWD). This well field consists of three wells screened in the upper glacial aquifer, two of which are currently in use. Supply wells N-06087 and N-04860 (also referred to as PWSH-2 and PWSH-1, respectively) are located approximately 3,700 and 4,100 feet, respectively, downgradient of the Munsey and Plaza Cleaners sites. In accordance with NYSDOH drinking water quality requirements, the PWWD utilizes a granular activated carbon (GAC) system to remove VOCs from water pumped at the Sandy Hollow Well Field. It is unknown if an evaluation was conducted on behalf of the PWWD to determine the source of these VOCs. The two supply wells at Sandy Hollow were sampled once in 2008 and twice during 2010. No contamination was detected at concentrations greater than NYS Standards during any of these sampling events. The PWWD is required to conduct regular sampling of these wells, and has not detected contamination greater than NYS Standards since 2003.

3. Summary of Remedial Investigation Field Activities

The Munsey OU-2 and Plaza Cleaners sites were referred to the NYSDEC Division of Environmental Remediation for the completion of a RI/FS, the goals of which are to:

- Evaluate and characterize the suspected source of the groundwater contamination;
- Better define the extent of the dissolved-phase VOC plume;
- Determine whether actions are needed to address exposures related to soil vapor intrusion and the dissolved-phase VOC plume; and,
- Assess remedial alternatives to address the potential source area and dissolved-phase VOC plume.

The approximately 0.5 square-mile investigation area is shown on Figure 1. The former Plaza and Munsey Cleaners sites, and other current or former dry cleaning businesses, are shown on Figure 2. The soil vapor intrusion sampling locations are shown on Figure 3 and the groundwater and surface water sampling locations are shown on Figure 4.

The field activities described in this section were conducted prior to this RI or in accordance with the January 2008 Munsey Cleaners RI/FS Work Plan and the June 2009 Plaza Cleaners Remedial Investigation Work Plan and include:

Soil vapor intrusion sampling and mitigation;

- Air and/or sub-slab vapor samples collected from 50 residences and businesses;
- Six sub-slab depressurization systems installed to address ten commercial buildings;
- One soil vapor sample collected from the Schreiber High School property; and

- One soil vapor and one sub-slab vapor sample collected from the Plaza Cleaners site.

Public Water Supply Sampling;

- Groundwater sampled from two public supply wells and three Nassau County Department of Public Works (NCDPW) wells.

Direct push/Geoprobe drilling with depth-discrete groundwater sampling;

- Drilling of 25 shallow soil borings; and
- Drilling of 6 deep soil borings.

Subsurface drilling and monitoring well installation;

- 15 wells installed prior to Munsey and Plaza RIs;
- 20 wells installed during Munsey RI;
- 12 sampling points in two continuous multi-channel tubing (CMT) wells installed during Munsey RI; and
- 29 wells installed during Plaza RI.

Water level measurements;

- Three synoptic rounds of water level measurements.

Groundwater and surface water sampling;

- 34 groundwater samples collected in September 2008;
- 73 groundwater samples collected in May 2010;
- 72 groundwater samples collected in October 2010;

- 57 groundwater samples collected from direct-push borings;
    - One or two groundwater samples collected from 20 borings during Munsey Cleaners RI; and
    - One, two or three groundwater samples collected from 11 borings during Plaza Cleaners RI.
- Three surface water samples collected in January 2008;
- Four surface water samples collected in May 2010;
- Six surface water samples collected in October 2010; and
- Four surface water samples collected in October 2011.

Monitoring Well Survey;

- Survey of 49 groundwater monitoring wells and two CMT wells.

Geophysical Survey;

- Time domain electromagnetic induction (EM61), ground penetrating radar (GPR), and precision utility location (PUL) used at the Plaza Cleaners site.

Fish and Wildlife Impact Analysis; and,

Management of Investigation Derived Waste.

Soil Vapor Intrusion Sampling and Mitigation

More than eight soil vapor intrusion sampling events have been conducted at or in the vicinity of the Munsey and Plaza Cleaners sites since 2002. For each of the sampling events that included off-site commercial or residential properties, NYSDEC and NYSDOH representatives requested participation of property owners through individual letters, invitations to public information sessions, and follow-up phone calls and in-person visits. The investigation area of each successive sampling event was extended so that property owners in all areas above the PCE/TCE plume were

notified of the opportunity to have indoor air and sub-slab samples collected and analyzed.

The buildings where indoor air and/or sub-slab vapor samples have been collected are shown on Figure 3. Soil vapor samples were collected from the Munsey Cleaners site in August 2002 with subsequent indoor air sampling. Additional indoor air sampling was conducted in February 2007. Off-site indoor air sampling using "Perc" badges was conducted by the NYSDEC in February 2006 at 16 properties located across from the Munsey Cleaners site. A total of 32 "Perc" badge samples were collected from basements and first floors of the 16 properties. The results of the "Perc" badge analysis ranged from <1.4 to 89 ug/m^3 of PCE. Malcolm Pirnie conducted soil vapor intrusion sampling at a total of 12 properties between March 12 and March 21, 2008 and May 6 and May 7, 2008. EnviroTrac Ltd. collected soil vapor intrusion samples from 13 properties between February 17 and 20, 2009.

Based on sampling results, six SSD systems were installed in 2008 and 2009 to address vapor intrusion in ten commercial buildings. No residential homes included in the sampling programs required the installation of SSD systems. Indoor air and sub-slab vapor samples were collected by Malcolm Pirnie from 21 additional properties between January 26 and 29, 2010. Based on the data, annual monitoring was recommended at nine of the properties and no further actions were warranted at the remaining 12 properties. Soil vapor samples were collected by Malcolm Pirnie from the Plaza Cleaners site and Schreiber High School on June 8 and 9, 2010, respectively. A sub-slab vapor sample was also collected from within the former Plaza Cleaners building on June 8, 2010.

Air and Sub-slab Vapor Sampling

The goal of the indoor air and sub-slab soil vapor sampling was to evaluate potential vapor intrusion of VOCs present in groundwater beneath residential homes and commercial businesses in the vicinity of the Munsey and Plaza Cleaners sites. The air sampling was conducted in accordance with the October 2006 Final NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, and previous draft guidance available prior to 2006. Prior to sampling at each of the selected buildings, an inspection/interview was conducted to inventory products that could interfere with sampling results and document building characteristics as well as heating, ventilation, and air conditioning (HVAC) systems. Off-site indoor air sampling was performed by the NYSDEC in February of 2006 at properties located across

from the Munsey Cleaners site. A sub-slab soil vapor survey was not included as part of the 2006 sampling effort. A Soil Vapor Intrusion (SVI) Interim Summary Report, which summarized the soil vapor intrusion sampling activities completed in March and May 2008, was submitted to the NYSDEC on July 29, 2008. Air samples were collected from the following locations:

- Crawl space air (CS);
- Sub-slab vapor (SS);
- Basement air (BA);
- First floor air (FA); and
- Ambient (outdoor) air (OA).

The abbreviation in the parenthesis following each air sampling location above corresponds to the sample location identification. Air and sub-slab vapor samples were analyzed by Chemtech (2008 samples) or Air Toxics (2010 samples) for a NYSDEC-specified list of VOCs using United States Environmental Protection Agency (USEPA) Method TO-15. The analytical data was validated by Data Validation Services according to the NYSDEC Division of Environmental Remediation Data Usability Summary Report (DUSR) guidelines.

Sub-slab Depressurization System Installation

Based on the results of the indoor air and sub-slab vapor sampling effort, sub-slab depressurization systems were installed at six locations in Port Washington (Figure 3). Sub-slab depressurization systems were installed to maintain a negative pressure in the sub-slab at each of the structures. SSD system design considerations included durability, reliability, ease of maintenance, physical comfort for occupants, noise issues for occupants and neighbors, and the impact on interior and exterior building appearance. One to five sub-slab vapor extraction points were installed in each building. A centrifugal in-line fan was installed to provide sub-slab ventilation. Before leaving each property following installation, the installation contractor explained the system operation to the property owner. Vacuum gauges and labels were installed on each fan system. Occupants were reminded to check these periodically for proper fan operation.

Physical communication tests were conducted in the properties where SSD systems were installed and in adjoining structures. These tests were conducted to evaluate if each of the systems were operating as designed and to confirm the presence of negative pressures within the sub-slab material over the entire building footprint. Pressure monitoring points were installed in structures with SSD systems to verify the effectiveness of the systems. A digital micro-manometer, capable of measuring the sub-slab to indoor air differential pressure to 0.001 of an inch of water column, was used as part of each communication test. The sub-slab vacuum was measured at three test points at each location. The measured pressures indicated that the SSD systems were providing adequate sub-slab influence for the structures in which they were installed. Five of the six locations in which a SSD system was installed had an adjoining building or structure next to them. Based on physical communication tests at these five locations, the SSD systems were mitigating vapors from adjoining structures in addition to vapors at the location where the systems were installed.

Public Water Supply Sampling

Groundwater from the two active supply wells in the Sandy Hollow Well Field (PWSH-1 and PWSH-2) was sampled on September 10, 2008, May 20, 2010 and October 21, 2010. Grab samples were collected from PWSH-1 and PWSH-2 using sampling ports. Methyl-tert butyl-ether (MTBE) was the only contaminant detected in the Sandy Hollow Well Field and was present in a sample collected from PWSH-1 (0.51 µg/L) in September 2008. This result was less than the NYSDEC Class GA Standard for MTBE (10 µg/L) and not attributable to contamination derived from the former Munsey and Plaza Cleaners sites.

Direct Push/Geoprobe Drilling

The direct push/geoprobe drilling program consisted of the installation of 25 shallow and 6 deep soil borings (MC-B-01 through PC-B-05 and PC-B-06 through PC-B-11) north, south, and west of the Munsey and Plaza Cleaners sites (Figure 4). The soil borings were drilled to assess overburden characteristics, to evaluate groundwater quality in the vicinity of the sites, and to assess if other dry cleaners in the area could be a source of the dissolved-phase VOC plume. With the exclusion of deep borings PC-B-06 to PC-B-11, soil samples were collected continuously from ground surface to the desired depth, which ranged from 25 to 99 feet below ground surface (bgs). One soil sample each from direct-push borings PC-B-01 to PC-B-05 was selected for laboratory analysis. Groundwater samples were collected using a Geoprobe® Systems stainless steel screen-point, dedicated tubing with check valve, or a

peristaltic pump with dedicated sample tubing. Groundwater and soil samples were sent to the contract laboratory for analysis of VOCs by USEPA Method 8260B. Soil samples were not collected from deep soil borings PC-B-06 to PC-B-11; however, these borings were sampled for groundwater at three discrete zones per boring. Continuous soil electrical conductivity measurements were conducted at PC-B-06, PC-B-09 and PC-B-11 to identify potential low permeability zones within the overburden stratigraphy at the site. Electrical conductivity logs for each of these soil borings were provided by Zebra Environmental and are included in Appendix D. Groundwater samples at borings PC-B-06 through PC-B-11 were collected at depths above low permeability units. Sampling depths for groundwater samples collected at PC-B-07, PC-B-08 and PC-B-10 were based on data from boring logs at adjacent monitoring wells.

Subsurface Drilling and Monitoring Well Installation

Ten groundwater monitoring wells or well clusters were installed in July 2008 as part of the Munsey Cleaners RI (Figure 4). Seven of the monitoring well clusters (MC-6B/C, MC-7A/B/C, MC-8A/B/C, MC-9A/B/C, MC-10A/B/C, MC11A/B/C, and MC-12 B/C) were installed as nested monitoring wells screened in shallow (well A), intermediate (well B) and/or deep (well C) zones. Monitoring well MC-5, screened only in the shallow zone because of its proximity to Baxter Brook, was installed near the end of North Maryland Avenue and Delaware Avenue. Two continuous CMT wells were installed at the northern (MC-CMT-02) and southern (MC-CMT-01) ends of Herbert Avenue.

A total of 29 groundwater monitoring wells were installed in 12 monitoring well clusters as part of the Plaza Cleaners Work Assignment (Figure 4). Seven of the monitoring well clusters (PC-1A/B/C, PC-4A/B/C, PC-6A/B/C, PC-7A/B/C, PC-8A/B/C, and PC-12A/B/C) were installed as nested monitoring wells screened in shallow (well A), intermediate (well B), and deep (well C) zones. Three of the monitoring well clusters (PC-5B/C, PC-10B/C, and PC-11A/B) were installed as nested monitoring wells screened in intermediate (well B) and deep (well C) zones or shallow (well A) and intermediate (well B) zones. PC-3 and PC-9, which were screened in the shallow zone, are located to the west of the dissolved-phase VOC plume near Baxter Pond Park.

These field activities were conducted to evaluate the overburden stratigraphy, groundwater quality, and groundwater flow patterns. Existing groundwater data along

with the results of the previous RI/FS field work were used to select drilling and monitoring well locations.

Subsurface soil samples were collected to obtain information on the characteristics of the overburden material. Soil was screened with a photoionization detector (PID) capable of measuring total VOCs in ppm as the soil cores were opened. Soil characteristics were written in the field book and recorded in soil boring logs which are presented in Appendix A.

Prior to well installation, boreholes were drilled using rotary drilling methods, with continuous sampling to the top of the water table, then in 10-foot intervals. The borehole was piloted and sampled through 4.25-inch, hollow-stem augers, then bored again with 6.25-inch augers to facilitate installation of two or three 2-inch PVC nested monitoring wells. The nested monitoring wells were constructed in a manner such that each zone was sealed with a bentonite seal, to minimize the potential of mixing waters from different depths. The wells were screened in accordance with the respective work plan. The monitoring wells were developed by surging and over-pumping techniques. Soil boring and monitoring well construction logs are presented in Appendix A.

Water Level Measurements

Malcolm Pirnie measured water levels (synoptic events) in the monitoring wells on August 25, 2008, April 28, 2010 and October 6, 2010. The groundwater elevations are provided in Tables 1 through 4. Water levels were measured to the nearest 0.01 foot. Groundwater potentiometric contour maps were prepared using water levels measured on August 25, 2008 (Figure 5) and April 28, 2010 (Figures 6, 7, and 8).

To evaluate the potential influence of pumping at the Sandy Hollow Well Field, water levels were measured and recorded at one-minute intervals in well cluster PC-10-B/C between May 13, 2010 and June 6, 2010 using pressure transducers with data loggers. PC-10 is the closest monitoring well cluster to the Sandy Hollow Well Field (Figure 4). No significant water-level fluctuations were measured in the intermediate screened well PC-10-B, which is approximately 40 feet higher in elevation than the well screens in the two active Sandy Hollow wells (PWSH-1 and PWSH-2). A water level increase of approximately one foot was measured on May 18, 2010 in the deep zone well PC-10-C. Water levels recorded after May 18, 2010 continued to show

minor fluctuations (less than 2 inches) but at the higher water level. The source of the water level change could not be determined. The long-term effect of pumping is apparent in the potentiometric head differences between the intermediate zone (approximately 25 feet AMSL) and the deep zone (approximately 13 feet AMSL) at well cluster PC-10-B/C (Figures 7 and 8).

Groundwater and Surface Water Sampling

Groundwater samples were collected on September 9 and 10, 2008, from May 12 to May 20, 2010, and on October 22, 2010. Passive diffusion bags (PDBs) were deployed in concert with the round of water level measurements conducted on August 25, 2008, April 28, 2010 and October 6, 2010. During the September 2008 sampling event, Malcolm Pirnie collected samples from existing wells located in the Sandy Hollow Well Field (PWSH-1 and PWSH-2), three NCDPW monitoring wells (X-71, X-72, and X-73) located approximately 1,000 feet north of the Sandy Hollow Well Field, and monitoring well MC-3, which was installed during a previous investigation at the Munsey Cleaners site. Wells X-71, X-72 and X-73 were only sampled during the 2008 sampling event. The two CMT wells (MC-CMT-01 and MC-CMT-02) were sampled with a check valve bladder pump using low flow sampling techniques. In total 34 groundwater samples were collected in September 2008, 73 samples were collected in May 2010, and 72 samples were collected in October 2010.

In addition to groundwater samples collected from monitoring wells, one or two groundwater samples were collected from 20 borings advanced during Munsey Cleaners RI and 11 borings advanced during Plaza Cleaners RI. A total of 57 groundwater samples were collected from the 31 direct-push borings.

Surface water samples were collected from the upper (MC-SFC-01), middle (MC-SFC-02) and lower (MC-SFC-03) reaches of Baxter Brook that flows across the investigation area (Figures 1, 4, and 6) in January 2008. Surface water samples from MC-SFC-01 through MC-SFC-03 and a fourth location immediately upstream of Baxter Pond (MC-SFC-04) were collected in May and October 2010, and October 2011. During the October 2010 sampling event, two additional surface water sampling locations were added (PC-SFC-01 and PC-SFC-02). These locations are shown on Figure 4 and were collected from Stannards Brook, which flows parallel to Charles Street. Upgradient of this section, Stannards Brook has been channelized with culverts and built upon; it is therefore inaccessible. The October 2011 surface

water sampling event included only the four locations along Baxter Brook. Locations along Stannards Brook were not sampled during the October 2011 event.

Groundwater and surface water samples were sent to the contract laboratory and were analyzed for VOCs by USEPA Method 8260B.

Monitoring Well Survey

Following installation, the newly installed monitoring wells were surveyed by Mega Engineering, Inc. in both Universal Transverse Mercator (UTM) and State Plane coordinates referenced to the North American Datum of 1988. All elevations were surveyed in feet referenced to the State Plane Coordinates system 1983 and the North American Vertical Datum of 1988. The locations were surveyed to within 0.1 foot and elevations were surveyed within 0.01 foot. Survey control was established by global positioning system (GPS) methodology (H/V). GPS RTK was used to locate the well heads and conventional leveling was used to determine elevations at the well heads. The monitoring well survey results, which include the location and elevations of ground surface and top of well casing, are shown in Tables 1, 2 and 3. Also provided in the table are screen elevations and screen lengths.

Geophysical Survey

Hager-Richter Geoscience, Inc. conducted a geophysical survey at the Plaza Cleaners Site on October 29, 2009. The objective of the geophysical survey was to detect, and if detected, to locate possible USTs and subsurface utilities in the accessible exterior portions of the site. At the time of the survey, no UST fill port or vent pipe was visible. A bulldozer was present in the northwest corner of the building which limited access to that portion of the site.

The geophysical survey was conducted using three geophysical methods: time domain electromagnetic induction (EM61), ground penetrating radar (GPR), and precision utility location (PUL). The EM method detects buried metal but cannot distinguish the type of objects causing EM anomalies. In order to aid in the identification of the objects, GPR was used to detect and identify metallic and non-metallic subsurface objects. The PUL survey was conducted to detect possible subsurface utilities.

The geophysical survey report prepared by Hager-Richter Geoscience, Inc., which summarizes the survey methods, equipment used, and findings, is provided in

Appendix C. As presented in the geophysical survey report, segments of possible utilities and small scattered buried objects were detected. GPR reflections typical of one small UST were detected at the location of an EM61 anomaly north of the site building.

Management of Investigation-Derived Wastes

Investigation-derived wastes were stored and disposed of at the direction of NYSDEC. Containerized materials were labeled and staged at a designated location on the former Plaza Cleaners site property. During the Munsey Cleaners OU-2 investigation, containerized waste was removed from the site daily because no staging area was available. Soil cuttings, purge water, and decontamination equipment were containerized in U.N.-approved, 55-gallon steel drums and transported off site by Environmental Waste Minimization, Inc. daily or weekly and disposed of as non-hazardous waste.

Data Usability

Validation of select analytical data was performed by Ms. Judy Harry of Data Validation Services, Inc., North Creek, New York. Ms. Harry's comments are incorporated in the summary data tables and the Data Usability Summary Reports (DUSRs) are included in Appendix B. As stated in the DUSRs, data are usable as reported, or usable with minor qualification. No data was rejected by the data validator.

4. Geologic and Hydrogeologic Conditions

Geology

During RI field activities, soil was logged during two direct-push drilling and two hollow stem auger drilling events. Boring logs constructed from the installation of monitoring wells for both the Munsey and Plaza Remedial Investigations are included in Appendix A. The shallow soils observed during monitoring well installation were generally consistent throughout the investigation area and consisted of orange and brown fine, medium and coarse sand with pea-sized quartz pebbles. Boreholes created during well installation for the Plaza Cleaners RI were frequently terminated when zones of low-permeability gray clay or silty clay were encountered. The crystalline bedrock surface in the vicinity of the investigation area is approximately 350 feet BMSL (Stumm, et al., 2002). Bedrock was not encountered in any of the borings.

With the exclusion of the MC-10 cluster, well borings related to the Munsey Cleaners OU-2 RI were terminated at previously specified depths in accordance with the NYSDEC-approved work plan. Elevation of the top of clay varied across the site. The highest top of clay elevation was observed during the construction of the PC-4 monitoring well cluster (24.88 feet AMSL). The lowest elevation top of clay was observed at the PC-1 monitoring well cluster location (52.29 feet BMSL). The wide variability in the clay elevations demonstrates the lateral discontinuity of clay units within the investigation area. Variability in zones of clay may have been caused by the formation of lakes in deeper glacially-carved troughs, or may represent deposition in localized areas of calm water isolated from higher velocity melt water by topography and/or stagnant ice tongues. The presence (and absence) of these clay zones is believed to have an impact on contaminant transport within the investigation area. At the MC-12 monitoring well location, low permeability clay zones were encountered at 0-11.5 feet bgs and 51-80 feet bgs. Intermediate (MC-12B) and deep (MC-12C) wells were installed at this location. The bottom of screen elevations of the intermediate and deep wells at MC-12 is 26.81 feet BMSL and 59.81 feet BMSL, respectively. Both wells are unique to all other wells installed during this investigation because they exhibit flowing artesian conditions. The location of MC-12 relative to the Baxter Brook may indicate the presence of a buried glacial valley.

A preferential pathway for groundwater movement within this buried valley would likely form in the higher permeability zones (fine-medium sands) as the upper clay

zone diverges in the up-valley direction (northeast) from the basal clay, which maintains relatively flatter surface up valley.

Hydrogeology

Groundwater flow direction in the vicinity of the investigation area is southeast to northwest, toward Manhasset Bay. This flow direction is maintained in shallow, intermediate and deep water-bearing zones. The Baxter Brook valley serves as a small capture zone within the investigation area where precipitation and stormwater are directed down-valley by topography. In the eastern portion of the study area, the orientation of this valley is generally perpendicular to regional groundwater flow. Rather than continuing a relatively straight course towards the northwest, shallow groundwater flow in the valley is deflected westward. The occurrence of clay zones throughout the investigation area, primarily within Baxter Brook's valley, also affects flow direction. Some clay zones are localized and difficult to delineate given the size of the investigation area. The basal clay, however, was generally encountered at most drilling locations during the Plaza Cleaners investigation. The similarity in appearance of the clays (generally gray in color) and topographic relief across the area of investigation made it difficult to distinguish between basal clay and non-basal clay. As such, elevations of some wells screened in deep zones may actually be more closely aligned with those screened in the intermediate zones. An example of this is the PC-4C well location. This well is screened from 32 to 27 feet AMSL, while the nearby PC-5B is screened from 33 to 23 feet AMSL. The two wells are approximately 615 feet apart. The decision to terminate the boring at PC-4 was based on the presence of gray clay. The clay was not encountered at PC-5 until 29.42 feet BMSL.

In general, the uppermost portion of the overburden at the Munsey and Plaza Cleaners sites consists of sand with variable amounts of gravel and discontinuous and intermittent silt and clay lenses. A low permeability clay layer appears to underlie the upper glacial aquifer across most of the investigation area. The top of this clay layer ranges in elevation across the Munsey and Plaza Cleaners sites from 25 feet AMSL (at PC-4-A/B/C) to 50 feet BMSL (at PC-1-A/B/C) and slopes to the northwest. Based on data obtained from drilling and installing monitoring wells, the zone of saturated sand and gravel throughout the area of the VOC plume is approximately 30 to 120 feet thick. Bedrock was not encountered in the soil borings drilled during the Munsey and Plaza Cleaners RIs.

In April and October 2010, groundwater elevations in all three wells were within 0.01 feet of others at clusters MC-7, MC-8 and MC-11, indicating no significant changes in potentiometric heads within the variable well completion depths at these locations. During the April 2010 water level measurement event, groundwater elevations at the MC-9 cluster are higher in the intermediate and deep wells (67.82 feet AMSL) than the shallow well (67.78 feet AMSL) at this location. Potentiometric heads exhibit the same pattern at the PC-7 cluster, where the groundwater elevations in the intermediate and deep wells are greater than the shallow well at this location during both the April 2010 and October 2010 water level measurement events.

5. Nature and Extent of Contamination

The field activities previously described were conducted to evaluate the nature and extent of contamination downgradient of the Munsey and Plaza Cleaners sites. The primary VOCs present in groundwater throughout the dissolved-phase VOC plume(s) are PCE, TCE, cis 1,2 DCE, and MTBE. As such, the analytical data from various media (i.e. soil vapor, surface water, and groundwater) are discussed herein with specific evaluation of these VOCs. Although MTBE was detected at several locations, this compound is not attributable to dry cleaning activities.

Groundwater and Surface Water Analytical Data

The locations of monitoring wells labeled with a prefix of “PC” were based on the results of the direct-push groundwater samples collected in June 2009. As shown in Figure 10, the results of the direct-push groundwater samples indicated the highest concentrations of TCE and PCE are located close to the former Munsey and Plaza Cleaners sites, and approximately 0.5 miles northwest, in the vicinity of Baxter Estates. In general, these results were consistent with the direct push groundwater samples collected for the Munsey Cleaners RI during the January 2008 sampling event. Six direct push borings were drilled to collect an additional 18 groundwater samples in May 2011. Five of these borings were drilled in the area south of Main Street and west of the Long Island Railroad train station, while one (PC-B-11) was installed towards the north along Sandy Hollow Road. All direct push sampling locations are shown on Figure 10.

Malcolm Pirnie also collected water samples from the Port Washington supply wells in Sandy Hollow during three separate sampling events (September 2008, May 2010 and October 2010). With the exclusion of an estimated detection of MTBE in September 2008 at PWSH-1 (0.51 µg/l), no VOC compounds were detected in samples from these wells. This MTBE concentration is significantly less than the NYSDEC Class GA Standard for MTBE (10 µg/l). The Port Washington Water District has historically detected the presence of VOCs in groundwater collected from these wells and influent groundwater is treated at the facility with granular activated carbon (GAC) before being distributed to customers.

The maximum detected concentration of a VOC in groundwater sampled in 2008 was 1,500 µg/L at MC-B-04. A summary of VOC concentrations in groundwater samples

compared to NYSDEC Class GA Standards is provided in Tables 6A, 7 and 8. A summary of analytical results are also shown on Figures 10 and 11.

Four surface water samples (MC-SFC-1, MC-SFC-2, MC-SFC-3 and MC-SFC-4) were collected from Baxter Brook originating west of Port Washington Boulevard, approximately 100 feet north of its intersection with Delaware Avenue (Figure 4). Two additional surface water sampling locations were added during the October, 2010 sampling event to include Stannards Brook, which is adjacent to Stannards Brook County Park, along Charles Street. With the exclusion of PC-SFC-02, concentrations of PCE exceeded the NYSDEC Class GA Standard or Guidance Value at each of the surface water sampling locations (Table 9). The sample collected from MC-SFC-01 contained the highest PCE concentration (15 µg/L) of the surface water samples, but TCE, cis 1,2 DCE, and MTBE were detected at most of the surface water sampling locations as well. PCE was the only detected compound that exceeded the respective NYSDEC Class GA Standard or Guidance Value. The New York State Guidance Value for PCE in surface water is 1 µg/L.

Soil Vapor Intrusion Sampling Results

As discussed in Section 3.1, several soil vapor intrusion investigations have been conducted at the Plaza and Munsey Cleaners sites. Prior to 2006, no soil vapor or indoor air samples had been collected in the areas downgradient of the former Munsey Cleaners site. The presence of VOCs in soil vapor in OU-1 at the former Munsey Cleaners site and their removal via the on-site SVE system indicated the potential for soil vapor intrusion in off-site areas. Since 2006, several soil vapor intrusion sampling events have been conducted at properties located to the west and north of the Munsey and Plaza Cleaners sites.

The air, sub-slab vapor, and soil vapor analytical results are provided in Tables 5A, 5B, and 5C. PCE, the primary VOC present in the sub-slab vapor and indoor air samples, was detected in off-site sub-slab vapor samples at concentrations as high as 61,098 µg/m^3. The PCE concentration in sub-slab vapor was greater than 1,000 µg/m^3 at 14 of the 52 off-site properties where indoor air and/or sub-slab vapor samples were collected. The highest concentrations of PCE were found in sub-slab vapor samples collected from Main Street properties located between Port Washington Boulevard and North Bayles Avenue. This area of Main Street is located west of the former Munsey and Plaza Cleaners sites. The concentrations of PCE in

indoor air ranged from not detected to 67 µg/m^3 in a sample collected on Port Washington Boulevard during the March 2008 air sampling event.

The soil vapor sample collected from the Plaza Cleaners site at ESG-3D contained PCE (19,000 µg/m^3), TCE (140 µg/m^3), and chloroform (190 µg/m^3). PCE and TCE were detected in the sub-slab vapor sample collected from the Plaza Cleaners site (SG-9S) at 400,000 and 740 µg/m^3, respectively. The soil vapor sample collected from the Schreiber High School property contained a significantly lower PCE concentration (16 µg/m^3) and m,p-xylene at a concentration of 24 µg/m^3. No indoor air sample was collected at this location.

Direct-push Borings

Direct-push soil borings were utilized primarily for sampling groundwater. The analytical data from the 57 groundwater samples collected from direct-push borings are presented in Table 6A. The locations of the monitoring wells were based on the results of the direct-push groundwater sampling program. Five soil samples were collected for laboratory analysis during the Plaza Cleaners direct-push drilling activities. These samples were used to identify the presence of any contamination in the unsaturated zone. As shown in Table 6B, no VOCs were detected in these soil samples.

Results from the direct-push groundwater samples were compared to the NYSDEC Class GA Groundwater Standards or Guidance Values. As shown on Figure 10, samples collected at 22 of the 31 groundwater sampling locations exceeded the NYSDEC Class GA Groundwater Standard or Guidance value. The most frequently detected compounds in groundwater samples were PCE, TCE, cis-1,2 DCE, and MTBE. The sampling results indicate that higher concentrations of detected compounds are generally located centrally within the investigation area.

Potential Source Area Investigations

Previous work completed at the Munsey Cleaners site had identified the former Munsey Cleaners as one potential source area for PCE and TCE contamination. An additional PCE plume has likely originated from the former Plaza Cleaners site. Based on information provided by the NYSDEC, eight other currently operating or former dry cleaning facilities have been identified within the investigation area. The locations of these facilities are shown on Figures 2, 3, 5, 10 and 11.

Delineation of the VOC Plume

Previous investigations conducted at the former Munsey and Plaza Cleaners sites did not fully delineate the vertical or horizontal extent of the VOC plume downgradient of these sites. Monitoring wells installed during this RI were extended to the North Shore confining clay unit and approximately 0.75 miles from the likely sources to areas where groundwater either discharges to surface water bodies or is eventually directed towards pumping wells. Although concentrations of PCE were detected in samples from the boundaries of the investigation area, these observed concentrations are relatively low in magnitude (not detected to 81 µg/l) or are along primary groundwater flow paths that have known termini (surface water bodies or wells), such that delineation can be considered achieved given the context of likely remedial strategies for the dissolved-phase VOC plume.

Groundwater Levels and Flow

Water levels measured during the RI indicate a fairly regular hydraulic gradient across the investigation area (Figures 5, 6, 7, and 8). These contours become deflected slightly because Baxter Brook meanders across the investigation area. No groundwater flow divides have been identified in the investigation area based on groundwater elevation data collected during this RI.

Shallow Zone

Shallow-zone monitoring wells are defined as those with screened zones at a depth which intersects the water table. During the Munsey OU-2 and Plaza Cleaners remedial investigation, 16 shallow monitoring wells were installed. The elevations of the screened zones in the shallow monitoring wells ranged from 98 feet AMSL to 7 feet BMSL. Groundwater elevations measured in shallow wells during this investigation ranged from 5.27 to 104.47 feet AMSL. The southernmost shallow well installed for this remedial investigation is PC-8A, which is approximately 850 and 650 feet southwest of the former Munsey and Plaza Cleaners sites, respectively. As shown on Figure 4, PC-8A is located on South Bayles Avenue. The northernmost shallow well installed for this investigation is PC-4A, and is located approximately 1,950 and 2,100 feet northwest of the former Munsey and Plaza Cleaners sites, respectively. The westernmost shallow well installed for this investigation is PC-9. This well is approximately 4,200 and 4,000 feet west of the former Munsey and Plaza Cleaners sites, respectively. The well is west of Shore Drive. The easternmost shallow well installed for this investigation is PC-12A, and is located in an alleyway

east of Port Washington Boulevard, across from Bernard Street. This well is approximately 75 and 230 feet east of the former Munsey and Plaza Cleaners sites, respectively. As shown in Figures 5 and 6, potentiometric groundwater contours created with shallow-zone groundwater levels indicate flow direction is toward the northwest, away from the former Munsey and Plaza Cleaners sites. Baxter Brook deflects shallow-water flow paths as the stream intersects the water table at different elevations throughout the investigation area. Pumping within the nearby Sandy Hollow Well Field likely induces a steeper gradient in the shallow groundwater zone.

Intermediate Zone

Intermediate zone groundwater monitoring wells installed for this remedial investigation are defined as those wells with screened intervals between the shallow zone wells and deep zone wells. The screening depths of intermediate-zone groundwater monitoring wells range from 56.18 feet AMSL (MC-7B) to 27.81 feet BMSL (MC-12B). Groundwater elevations in wells screened in the intermediate zone range from 15.95 (PC-1B) to 104.33 (PC-12B) feet AMSL. The westernmost well screened within the intermediate zone is PC-1B. This well is screened between 4.71 feet AMSL and 0.29 feet BMSL. As shown on Figure 4, PC-1B is located on Shoreview Road approximately 3,300 and 3,200 feet northwest of the former Munsey and Plaza Cleaners sites, respectively. As shown in Figure 7, groundwater potentiometric contours indicate intermediate-zone groundwater can flow northward and northwestward. Glacial overburden stratigraphy and pumping within the Sandy Hollow Well Field likely contributes to these groundwater flow paths.

Deep Zone

Those wells designated as deep wells have screened zones near the bottom of the terminal boring depth. The locations of deep wells installed for this remedial investigation are shown on Figure 4. Screen elevations in deep wells ranged from 38.43 feet AMSL (MC-9C) to 59.81 feet BMSL (MC-12C). Groundwater elevations in deep-zone monitoring wells ranged from 102.39 feet AMSL (PC-12C) and 13.09 feet AMSL (PC-10C). The boundary wells for groundwater monitoring in deep zones are the same as those in the intermediate zone (PC-4C, PC-8C, PC-12C and PC-1C). As shown on Figure 8, deep-zone groundwater flows generally northwest in the vicinity of the sites, and are deflected westwards once within Baxter Brook's valley. Glacial overburden stratigraphy likely contributes to these groundwater flow directions.

Groundwater VOC Concentrations

Groundwater collected from monitoring wells closest to the probable sources areas contained the highest concentrations of contaminants. Based on groundwater samples collected during this investigation, there appears to be two pervasive groundwater flow paths that direct groundwater north and northwest of the probable source areas. The north-trending flow path is supported by the elevated contamination concentrations in groundwater in monitoring wells trending north of the probable source areas and, by potentiometric contour maps created from water table elevation data. The northwest-trending flow path is also supported by consistent elevated concentrations of contaminants in monitoring wells spanning this direction, and potentiometric contour maps created from groundwater elevation data. The analytical data suggest an apparent zone of lower-contaminant concentration between approximately 1,000 and 2,000 feet from the potential source areas. This lower-contaminant concentration zone may be reflective of higher groundwater velocities which would increase advective contaminant transport. Therefore, locations with higher concentrations of contaminants may indicate a reduction in groundwater velocities that is likely attributable to lower hydraulic conductivity due to the presence of silt and clay in the overburden aquifer.

Shallow Zone

The highest concentration of PCE in groundwater collected from the shallow monitoring wells was observed at MC-7A (380 µg/L) in September 2008. Well MC-7A is downgradient from the former Plaza Cleaners site and cross-gradient from the former Munsey Cleaners location. The concentration of PCE (290 µg/L) in the groundwater sample collected from MC-7A in May 2010 was less than the September 2008 sample. The October 2010 groundwater sample collected at this location contained a PCE concentration of 150 µg/L, indicating a decreasing trend in PCE concentrations over time at MC-7A. This well is located on South Bayles Avenue approximately 640 feet west of the former Plaza Cleaners site. Groundwater collected in September 2008 from a previously installed shallow well (MC-3) contained a PCE concentration of 670 µg/L; however, these concentrations decreased in subsequent sampling events. Concentrations of PCE in groundwater were greater than NYS standards at six of the shallow monitoring wells (MC-3, MC-5, MC-7A, PC-7A, MC-8A and MC-11A). Three of these wells (MC-3, PC-7A, and MC-7A) are located within 1,000 feet of both the former Munsey and Plaza Cleaners

sites. MC-5 and MC-8A are located within 2,000 feet of both sites, and MC-11A within 3,000 feet.

Concentrations of PCE in shallow groundwater decrease with distance from the former Munsey and Plaza Cleaners sites. Groundwater samples were also collected from the seven on-site monitoring wells at the former Plaza Cleaners site during the May 2010 and October 2010 sampling events. Although well construction details are not available, it is assumed these wells are screened at the water table surface. Of the seven on-site wells sampled, the greatest concentration of PCE detected in groundwater was collected from MW-5 (1,200 µg/L). All but one well at the former Plaza Cleaners site (MW-6) contained concentrations of PCE greater than NYS standards.

Groundwater collected from shallow-zone monitoring wells also contained concentrations of contaminants including TCE, cis 1,2 DCE and MTBE. The highest concentrations of total VOCs in groundwater collected from the shallow-zone monitoring wells was observed at MC-7A (388.7 µg/L – September 2008, 290.66 µg/L – May 2010 and 150.53 µg/L – October 2010) and PC-7A (245.83 µg/L – May 2010, 53.83 µg/L – October 2010). PCE was detected in all of the shallow boundary wells (PC-3, PC-4A, PC-6A, PC-8A, PC-9 and PC-11A). With the exclusion of PCE in PC-8A (6.2 µg/L – October 2010), no PCE concentrations in the shallow boundary wells exceeded NYS standards.

The concentration of PCE in groundwater sampled from the shallow zone wells during 2010 decreased, remained the same concentration, or remained undetected in approximately 80 percent of the shallow zone wells. Only 5 of the 24 shallow zone wells show a slight increase in concentrations of PCE from May to October during 2010. Of the five wells to show an increase in PCE concentrations during 2010, three wells (MW-1, MW-2 and MW-4) are on-site at the former Plaza Cleaners property. The only two off-site wells that showed increasing concentrations of PCE during 2010 were MC-5 (located on North Maryland Avenue) and PC-8, which is located on South Bayles Avenue.

Intermediate Zone

The highest concentration of PCE in groundwater collected from the intermediate wells installed for this remedial investigation was observed at PC-6B (820 µg/l) in May 2010. PC-6B is located approximately 2,550 and 2,600 feet northwest of the

former Munsey and Plaza Cleaners sites. The October 2010 sample collected at this location (240 µg/l) showed a significant decrease in PCE. Monitoring well PC-6B is screened between 1.36 feet AMSL and 8.64 feet BMSL. At the time the passive diffusion bag was deployed in this well the groundwater elevation was 48.32 feet AMSL. As shown on Figure 4, this well is located on Hillview Avenue. Elevated concentrations of PCE in groundwater were also observed at artesian well, MC-12B. The September 2008, May 2010, and October 2010 groundwater samples collected from intermediate well MC-12B contained concentrations of PCE greater than NYS standards (420 µg/L, 640 µg/L, and 390 µg/L respectively). Monitoring well MC-12B is located approximately 2,450 and 2,400 feet northwest of the former Munsey and Plaza Cleaners sites, respectively. Groundwater collected from intermediate-zone wells located between these wells and the former cleaners sites have concentrations of PCE ranging from non-detect (MC-10B and PC-11B) to 430 µg/L (PC-5B). Monitoring wells PC-5B and MC-10B are screened within zones of overlapping elevations. The screen at PC-5B is installed between 32.58 and 22.58 feet AMSL, while MC-10B is screened between 30.39 and 25.39 feet AMSL. Groundwater collected from upgradient well, PC-12B also contained concentrations of PCE (0.84 µg/L – May 2010, and 2.0 µg/L – October 2010).

Groundwater collected from intermediate-zone groundwater monitoring wells also contained concentrations of other contaminants including TCE, cis 1,2 DCE and MTBE. Intermediate-zone groundwater monitoring wells PC-6B (491 µg/L – September 2008, 680.1 µg/L – May 2010 and 304.8 µg/L – October 2010) and MC-12B (881 µg/L – May 2010 and 443.3 µg/L – October 2010) contained the highest concentrations of total VOCs in groundwater collected, although concentrations of MTBE did not exceed NYS standards at either location.

Similar to shallow zone wells, concentrations of PCE in groundwater samples collected from intermediate wells during 2010 decreased or remained undetected in approximately 80 percent of the intermediate zone wells. Only 2 of the 17 intermediate zone wells showed a slight increase in PCE concentrations from May 2010 to October 2010, while one of the intermediate wells (MC-7B) showed a moderate increase during this time period. Although the concentration of PCE in PC-12B increased from May to October 2010, the concentration is still less than the NYS Standard. The concentration of PCE in groundwater sampled from MC-7 however, increased 150 µg/L from the May 2010 sample (260 µg/L) to the October 2010

sample (410 µg/L). MC-7 is located approximately 650 feet west of the former Plaza Cleaners site.

Deep Zone

The highest concentration of PCE detected in monitoring wells screened in the deep zone was observed at MC-7C (870 µg/L – September 2008, 580 µg/L – May 2010 and 290 µg/L – October 2010). Monitoring well MC-7C is screened between 35.18 and 30.18 feet AMSL, and is located approximately 650 feet west of the former Plaza Cleaners Site. This well is also located approximately 800 feet southwest of the former Munsey Cleaners Site, although potentiometric contours based on data collected in May 2010 do not suggest flow from the Munsey Cleaner's Site is likely. Groundwater flow paths fluctuate over time, so past contaminant contribution from the Munsey Cleaners Site cannot be definitively ruled out. With the exception PC-12C (1.4 µg/L), PCE was present at levels that exceeded NYS standards in all of the deep-zone boundary wells. PC-5C (390 µg/L – May 2010 and 260 µg/L – October 2010) and MC-12C (170 µg/L – September 2008, 170 µg/L – May 2010 and 130 µg/L – October 2010) also had notable concentrations of PCE detected in groundwater samples. PC-5 is located on Delaware Avenue near Port Washington Boulevard, and MC-12 is located on Overlook Drive near Baxter Estates.

Groundwater collected from deep-zone monitoring wells also contained concentrations of contaminants in addition to PCE, including TCE, cis 1,2 DCE and MTBE. The highest concentrations of total VOCs in groundwater collected from deep-zone monitoring wells occurred at PC-5C (462.2 µg/L – May 2010 and 325.7 µg/L – October 2010) and MC-7C (889.5 µg/L – September 2008, 602.1 µg/L – May 2010 and 313.3 µg/L in October 2010).

Concentrations of PCE in groundwater sampled from deep zone wells during 2010 decreased, remained relatively stable, or remained undetected in all of the deep zone wells. The only two wells which showed slight increases in concentrations of PCE in groundwater collected from the deep zone were MC-8 and MC-9. The concentration of PCE in the groundwater samples collected from MC-8 increased from 17 µg/L (May 2010) to 20 µg/L (October 2010). The concentration of PCE in the groundwater samples collected from MC-9 increased from 30 µg/L (May 2010) to 40 µg/L (October 2010). Seasonal fluctuations of concentrations within these ranges are common.

Surface Water

Concentrations of PCE in Baxter Brook were evaluated by surface water sampling at four locations (Figure 4) along its course. All surface water samples contained PCE concentrations that exceeded the NYS Class C surface water standard. The highest concentration of PCE in the surface water samples was observed in the most upgradient surface water sampling location, MC-SFC-1 (15 µg/L). At this sampling location, the stream is discharged from a storm sewer outfall. Although the stream's origin is upgradient of this location, there is no access further upgradient to collect a sample. The concentration of PCE in surface water collected at MC-SFC-2 (12 µg/L) was slightly less than at MC-SFC-1. Surface water concentration of PCE at MC-SFC-3 (2.5 µg/L) was similar to surface water concentrations at MC-SFC-4 (3 µg/L). Two additional surface water sampling locations were added during the October 2010 sampling event (PC-SFC-1 and PC-SFC-2). PCE was detected in both PC-SFC-01 (5.1 µg/L) and PC-SFC-02 (0.82 µg/L), although only PC-SFC-01 exceeded NYS Standards. In general, the concentrations of PCE in surface water samples decrease in a downgradient direction. This decreasing trend may be a factor of dilution.

Surface water elevations of the Baxter Brook sampling locations were surveyed near the time of sampling. These surface water sampling elevations range from 70.89 feet AMSL (MC-SFC-01) to 9.09 feet AMSL (MC-SFC-04).

Public Water Supply

As part of this remedial investigation, groundwater samples were collected from the PWWD supply wells in the Sandy Hollow Well Field. No PCE was detected in the groundwater samples collected from the Sandy Hollow Well Field. Recent sampling at the PWWD Well 6 location (east end of Bar Beach Road), indicated an exceedance of PCE (5.5 µg/L) in groundwater at this location, however, Well 6 is located up gradient of both the former Munsey and Plaza Cleaners sites, and this concentration is not likely attributable to them. In addition to these samples, the PWWD routinely samples water within its district. The district also treats its water with chlorine, sodium hydroxide and GAC.

6. Human Health Exposure Pathway Analysis

A qualitative human health exposure assessment was performed to identify potential exposure pathways of site contaminants to the general public. A quantitative assessment was not conducted.

Based on data collected prior to and during the Munsey and Plaza Cleaners RIs, these sites are sources of VOC groundwater contamination in this area. Several human exposure pathways to VOCs originating from the dissolved-phase VOC plumes have been partially addressed by engineering controls. Six sub-slab depressurization systems have been installed to address soil vapor intrusion at 10 properties located above the dissolved-phase VOC plumes. Soil vapor intrusion is monitored on an annual basis at other locations where concentrations did not warrant the installation of a SSD system. Groundwater in the vicinity of the dissolved-phase VOC plume is being used as a drinking water source at the Sandy Hollow municipal well field; however, water treatment capabilities have already been established to remove VOCs from drinking water at this facility. The Port Washington Water District routinely monitors water quality, including VOC analysis. Groundwater sampling conducted in accordance with the Plaza and Munsey Cleaners OU-2 work assignments have not detected any contaminants of concern at concentrations greater than NYS Standards in these potable water supply wells.

Contact with surface water is a potentially complete human exposure pathway associated with VOCs originating from the Munsey and Plaza Cleaners sites. PCE, TCE, cis-1,2 DCE are present in Baxter Brook north and northwest of the Munsey and Plaza Cleaners sites. Surface water PCE concentrations exceeded NYSDEC Class C Standards in the surface water samples collected from Baxter Brook. Analytical results from this stream likely reflect the concentrations of VOCs in the upper portion of groundwater within the aquifer. Receptor populations include residents, trespassers, and construction workers who could potentially come into contact with this surface water. Baxter Brook is not registered as a recreational surface water body with the NYSDEC, therefore decreasing the potential for exposure. Potential exposure routes include dermal contact with and inhalation of chemicals volatilized off the surface water.

7. Fish and Wildlife Impact Analysis

A fish and wildlife impact analysis was conducted internally at the New York State Department of Environmental Conservation Bureau of Habitat regarding the potential impact contamination in Baxter Brook would have on fish and wildlife resources. The Bureau of Habitat determined that most of the contamination in Baxter Brook is not of a major concern for fish and wildlife resources, but that another analysis should be conducted to review any potential disturbances associated with the implemented remedial strategy.

8. Conclusions

The hydrogeologic and analytical data presented in Section 4 were used to create a conceptual site model. This model is used herein to facilitate the evaluation of potential VOC source areas and migration pathways and provide an organizational structure for data collected during multiple investigations. These data include site-specific information on VOCs in soil, groundwater, sub-slab vapor, indoor and outdoor air, and the geologic and hydrogeologic characteristics that affect the distribution, fate, and migration of the VOCs.

The following sections provide information on the physical characteristics of the aquifer, horizontal and vertical hydraulic gradients, interactions between groundwater and surface water, and VOC concentrations in the different hydrostratigraphic zones (shallow, intermediate, and deep). These discussions of the site conceptual model are accompanied by Figures 9, 9A, 9B, 9C (geologic cross sections) and Figures 10 and 11 (distribution of VOCs in groundwater).

Hydrogeologic Framework

Bedrock, the top of which is approximately 150 to 400 feet BMSL across the Munsey and Plaza Cleaners area of investigation, was not encountered in any of the soil borings drilled during the RI. Depth to bedrock information was inferred from Stumm et al. (2002). As shown on Figures 9A, 9B, and 9C, the uppermost portion of the water-table (Upper Glacial) aquifer consists predominantly of sand with some gravel and silt (kame and outwash deposits) with discontinuous and intermittent silt and clay lenses. Low permeability zones of clay were encountered sporadically across the investigation area. It is unlikely that these clay zones are continuous across the investigation area because VOCs have been detected stratigraphically below the bottom of the clays. The thickest clay units appear in borings in the vicinity of Baxter Brook, which flows from east to west across the investigation area.

Groundwater in the vicinity of the Munsey and Plaza Cleaners sites generally flows northwest toward Baxter Estates and the Sandy Hollow municipal well field. The depth to groundwater varies considerably depending upon location within the hummocky kame and outwash deposits. At MC-11, which is approximately 100 feet AMSL in Baxter Estates, groundwater was at a depth of 75 feet bgs. At MC-7, which is approximately 120 feet AMSL along South Bayles Avenue, groundwater occurs at a depth of approximately 30 feet bgs.

The water table is influenced by shallow groundwater discharge to Baxter Brook, which flows generally from east to west across the study area. Baxter Brook flows into Baxter Pond, which discharges to Manhasset Bay (Figure 9). The hydraulic gradient is predominantly horizontal throughout the study area, but steepens in the western portion of the study area where it is influenced by the incised Baxter Brook, and potentially influenced by pumping at the Sandy Hollow municipal well field.

Simplified geologic cross sections (Figures 9, 9A, 9B and 9C) were generated from data collected during monitoring well installation and groundwater sampling events. As shown on Figure 9, transects A and B trend northwest and southeast in the general direction of groundwater flow. Transect C trends perpendicular to these cross sections, trending south to north. As shown in Figure 9A, shallow groundwater flows towards the northwest, likely discharging at points along Baxter Brook. A similar direction of groundwater flow is shown in Figure 9B, where the steepest groundwater gradients are observed between well clusters MC-7 and PC-11. This steeper gradient is likely attributable to the presence of soils such as clay and silty clay, which inhibit the flow of groundwater. As groundwater potentiometric heads adjust to the presence of these soils, groundwater is driven downward, under the zone of clay (Figure 9C). At the MC-12 well cluster location, this produces upward heads such that the intermediate- and deep-zones wells are under flowing artesian conditions. The elevated concentrations of contaminants at this location likely resulted from these hydrostratigraphic conditions.

Summary of VOC Plume

The dissolved-phase VOC plume consists primarily of PCE, TCE, and cis-1,2 DCE. MTBE was detected at concentrations greater than the NYSDEC standard at several locations; however, this compound is not characteristic of activities associated with dry cleaners. Total VOC concentrations in groundwater have been detected as high as 1,520 µg/L in the sample collected from MC-B-04 in January 2008. Boring MC-B-04 is near the MC-7 well cluster along South Bayles Avenue. The PCE concentration in this sample was 1,500 µg/L.

Degradation products of PCE include TCE, cis-1,2 DCE, and vinyl chloride (VC). TCE and cis-1,2 DCE were detected at relatively lower concentrations in groundwater and VC was not detected, indicating that little natural attenuation of PCE is occurring within the aquifer. Field measurements of dissolved oxygen collected during well development range from approximately 1 mg/L to 3 mg/L

indicating that the aquifer is under slightly aerobic conditions. Chlorinated VOCs such as PCE do not readily attenuate under aerobic conditions. Reductive dechlorination of PCE to VC occurs more rapidly under anaerobic conditions.

The dissolved-phase VOC concentrations of primarily PCE and TCE vary spatially both horizontally and vertically, with a general trend of decreasing concentrations with increasing distance or depth from the former Munsey and Plaza Cleaners sites. One likely factor on the vertical variability in VOC concentrations is the presence of discontinuous silt and clay zones throughout the upper glacial aquifer. An underlying, low permeability zone (NScu) was tentatively identified at well locations across the investigation area at depths ranging from 90 to 120 feet bgs and slopes upward to the northwest. This unit likely limits deeper downward migration of groundwater contamination.

VOCs were detected in intermediate- and deep-zone groundwater in the northwestern section of Baxter Estates at PC-1B/C. This indicates that the VOCs within the plume have not only migrated laterally from the Munsey and Plaza Cleaners sites, but also migrated vertically downwards. With the exception of the January 2008 direct-push groundwater sample at MC-B-04 (located approximately 750 feet west of the former Plaza Cleaners site), VOC concentrations at intermediate or deeper depths are generally higher than corresponding concentrations in the shallow zone of the upper glacial aquifer. This is likely due to recharge from infiltration of precipitation and subsequent preferential dilution of VOC concentrations in the shallow zone. In local areas downgradient of Baxter Brook, the relatively lower VOC concentrations in the shallow zone may also be attributed to groundwater discharge to surface water.

Analysis of surface water collected at four locations from Baxter Brook northwest of the Munsey and Plaza Cleaners sites indicates that the surface water quality may be affected by the dissolved-phase VOC plume. As shown on Figures 5 and 6, Baxter Brook's channel intersects the potentiometric surface of shallow groundwater. This suggests Baxter Brook is receiving groundwater along its course, and that the stream can be a discharge point for VOCs within the upper portion of the water table across the investigation area. Groundwater monitoring data do indicate that contaminants are present downgradient of Baxter Brook, indicating that only a portion of the shallowest contaminants would be discharged via Baxter Brook. Given the distance

from the presumed release points to Baxter Brook (approximately 1,500 – 4,000 feet) the VOCs are likely well dispersed vertically as the plume reaches Baxter Brook.

Given the commercial and urban land use in the vicinity of the Munsey and Plaza Cleaners sites, multiple sources of contamination cannot be ruled out. However, analytical data indicate decreasing concentrations in the downgradient direction from the Munsey and Plaza Cleaners sites to MC-9B and MC-9C. Higher concentrations at PC-5B/C, PC-6B, and MC-12B/C, which are screened at deeper intervals than MC-9B and 9C, may indicate that concentrations were once higher in the areas upgradient of these deeper zones. This concentration pattern is consistent with presence of shallow clay soils in the vicinity of Baxter Brook, downward vertical gradients, and the presumption that the magnitude of past releases have been curtailed or remediated over the last two decades.

Contamination Sources

A previous consultant working on behalf of the former Munsey Cleaners owner, Montford Trust, removed 31 tons of contaminated soil from the basement of the building between 1996 and 1997. This work was completed as the implementation of an interim remedial measures (IRM) program. Based on available information with regard to previous releases and attempted remediation thereof, non aqueous phase liquid (NAPL) at two locations within and upgradient of Munsey Cleaners OU-2 have been documented.

The former Plaza Cleaners building is located approximately 250 feet southwest of the former Munsey Cleaners building. Based on the proximity of the former Plaza Cleaners site to the former Munsey Cleaners site, the direction of local groundwater flow, and the results of analytical data, it is likely the two VOC plumes have partially combined.

Groundwater Contaminant Fate and Transport

The mechanisms that control the mass and concentrations of the VOC plume include dilution through recharge, dispersion, degradation, sorption, discharge, and to a lesser extent, diffusion. Continued dispersion of the VOC plume and mixing with recharge in the water-table aquifer will lower the VOC groundwater concentrations over time. Significant quantities of unsaturated zone source material were removed from the former Munsey Cleaners and Plaza Cleaners sites during previous remedial actions. The removal of this material has reduced the potential for increasing VOC

concentrations in groundwater in the vicinity of these sites. VOC mass reduction in the upper portion of the water table occurs via volatilization and limited discharge of VOC-containing groundwater to Baxter Brook northwest of the Munsey and Plaza Cleaners sites. Aerobic conditions in the aquifer will likely continue, limiting significant mass removal through reductive dechlorination of these VOCs. The remaining portions of the VOC mass are in the dissolved-phase and sorbed to soils in the saturated zone. The latter will persist as a source of VOCs to the groundwater over time, especially considering the relatively slow desorption and diffusion processes.

Aquifer recharge will sustain hydraulic gradients and drive advective transport of VOCs to the northwest. Areas of highest concentration, currently in the vicinity of MC-7 and MC-12, will continue to move downgradient and disperse; however, lateral dispersion will be limited to any relatively higher hydraulic conductivity preferential pathways that may exist within the plume. Since the VOC plume has reached discharge points at Baxter Brook and has migrated beyond the location of MC-12 (approximately 2,600 feet west-northwest of Munsey Cleaners), additional lateral dispersion will likely be limited, and the width of the VOC plume will likely remain relatively unchanged over time. Hydrostratigraphy also contributes to the artesian conditions and elevated concentrations of contaminants observed at MC-12 B/C. The presence of flow-inhibiting soils, coupled with potentiometric heads being largely driven by recharge, create conditions that direct groundwater downward at this, and similar locations in the investigation area. These three factors (flow-inhibiting soils, recharge-driven poteniometric heads, hydrostratigraphy in Baxter Brook valley) produce conditions that appear to be a significant pathway for groundwater prior to its presumed discharge into Manhasset Bay. Contributions of other sources of PCE in Port Washington to the OU-2 groundwater plume would continue to cause persistent lateral variations in VOC concentrations.

Concentrations of VOCs within the intermediate and deeper zones of the aquifer have been quantified from groundwater samples collected from “B” and “C” wells throughout the investigation area. The CMT wells have also complimented the vertical control of VOC-containing groundwater across the investigation area.

9. Recommendations

An extensive analytical and field data collection program was implemented during the Remedial Investigation for the Munsey Cleaners OU-2 and former Plaza Cleaners sites. The dissolved-phase VOC plume associated with former dry cleaning activities has been generally defined both horizontally and vertically within the underlying upper glacial aquifer in Port Washington, NY. An investigation of soil vapor intrusion was implemented under this work assignment, and where applicable (10 buildings out of 50 sampled), sub-slab depressurization systems were installed to mitigate the potential for vapor intrusion.

Concentrations of PCE in groundwater monitoring wells generally show a decreasing trend over time. Although concentrations of PCE have been detected at concentrations greater than NYS Standards in groundwater sampled from boundary wells and direct-push borings, sufficient information has been collected and documented to proceed with the Feasibility Study phase. The relatively lower concentrations of PCE at boundary locations will be taken into account when developing remedial alternatives and strategies. No further remedial investigation is recommended.

10. References

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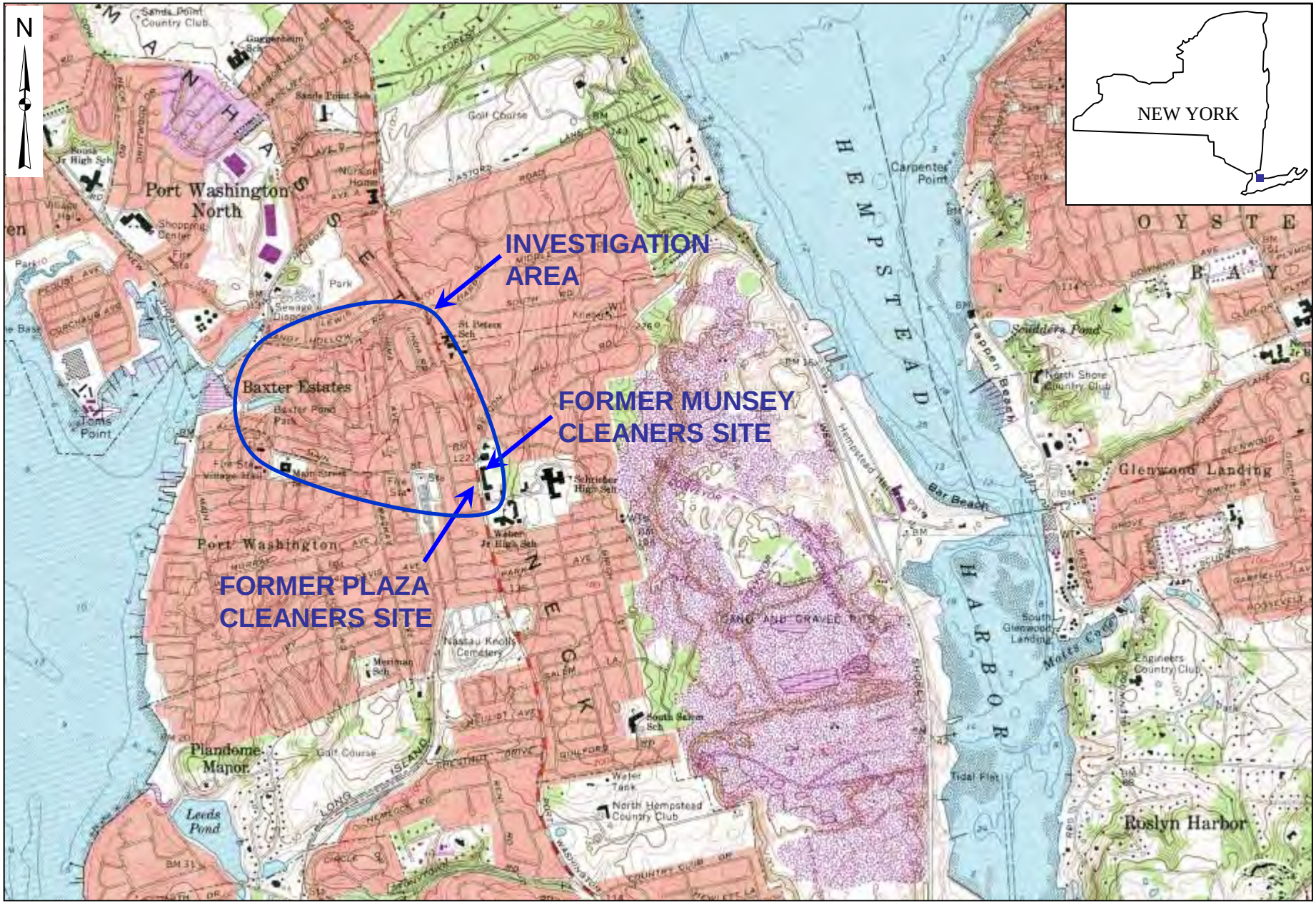

MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC SERIES, SEA CLIFF QUADRANGLE (PHOTOREVISED 1979)

APPROXIMATE SCALE: 1" = 1500'

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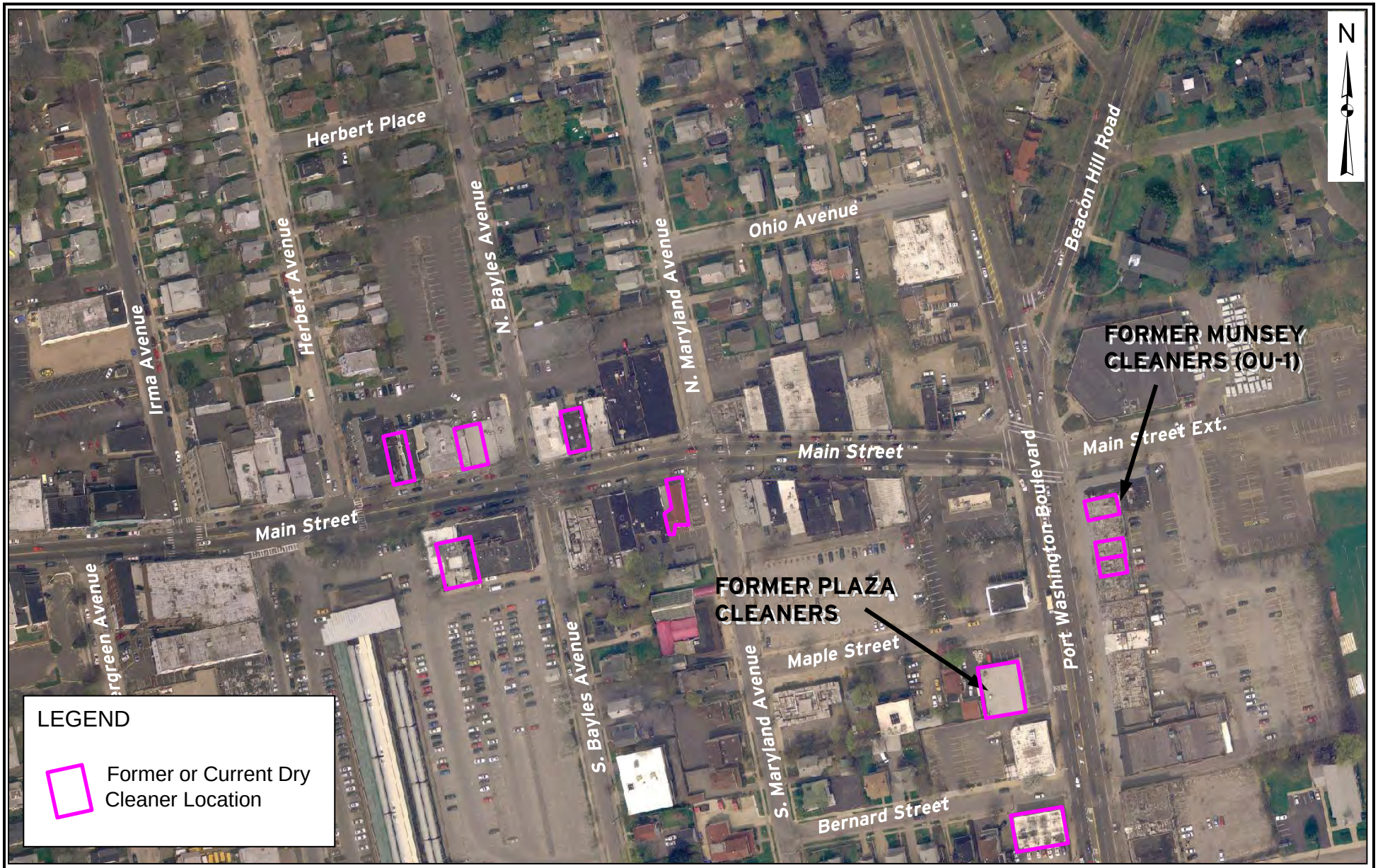
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

SITE LOCATION

AUGUST 2011

FIGURE 1



SOURCE: NYSDOP 2-FT Resolution Natural Color Orthoimagery, 2004; New York State GIS Clearinghouse.

0 100 200 400

APPROXIMATE SCALE IN FEET

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MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

AERIAL PHOTOGRAPH

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FIGURE 2

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MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

SOIL VAPOR INTRUSION SAMPLING LOCATIONS

AUGUST 2011

FIGURE 3

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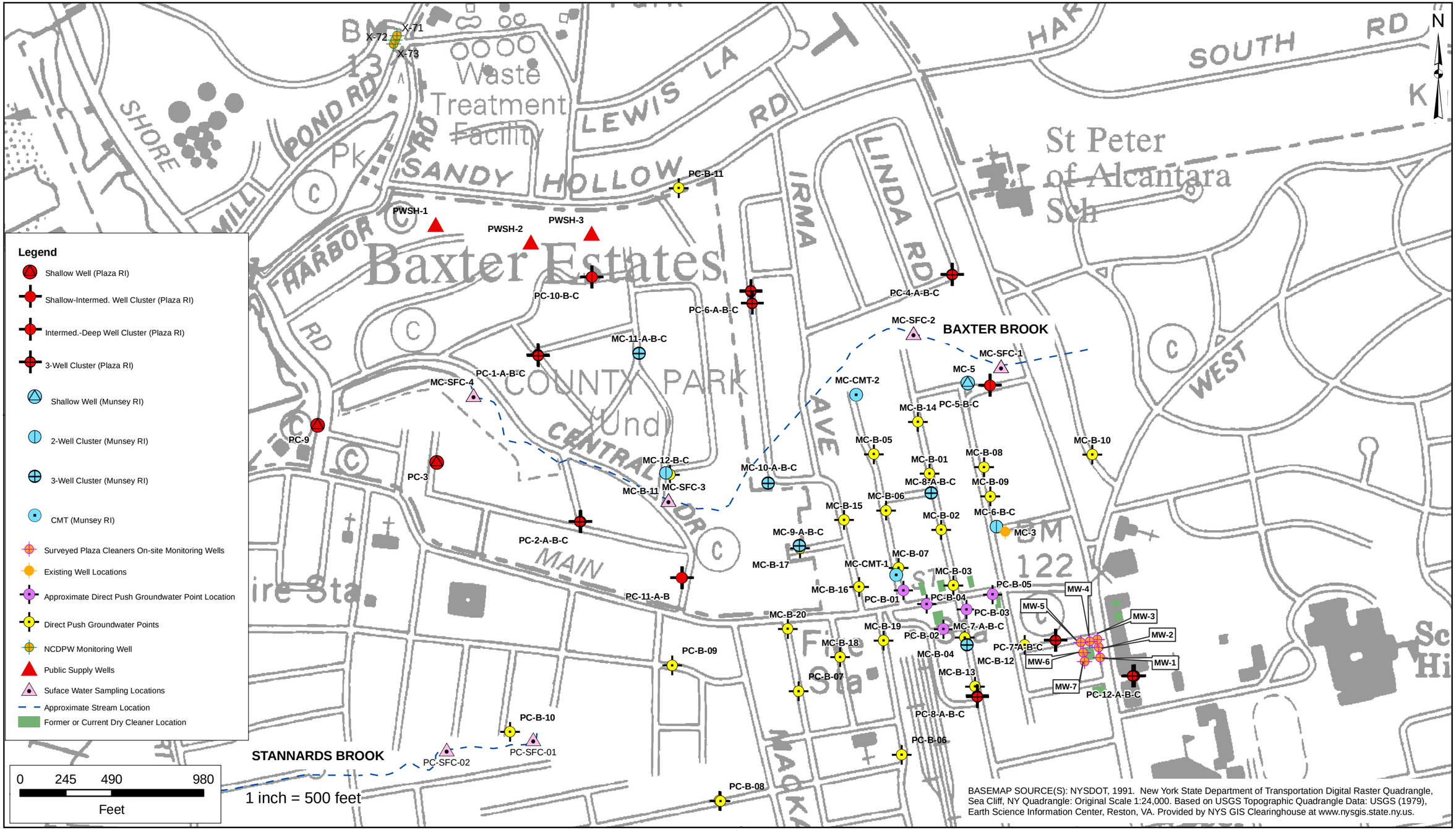

BASEMAP SOURCE(S): NYSDOT, 1991. New York State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979), Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

GROUNDWATER AND SURFACE WATER SAMPLING LOCATIONS

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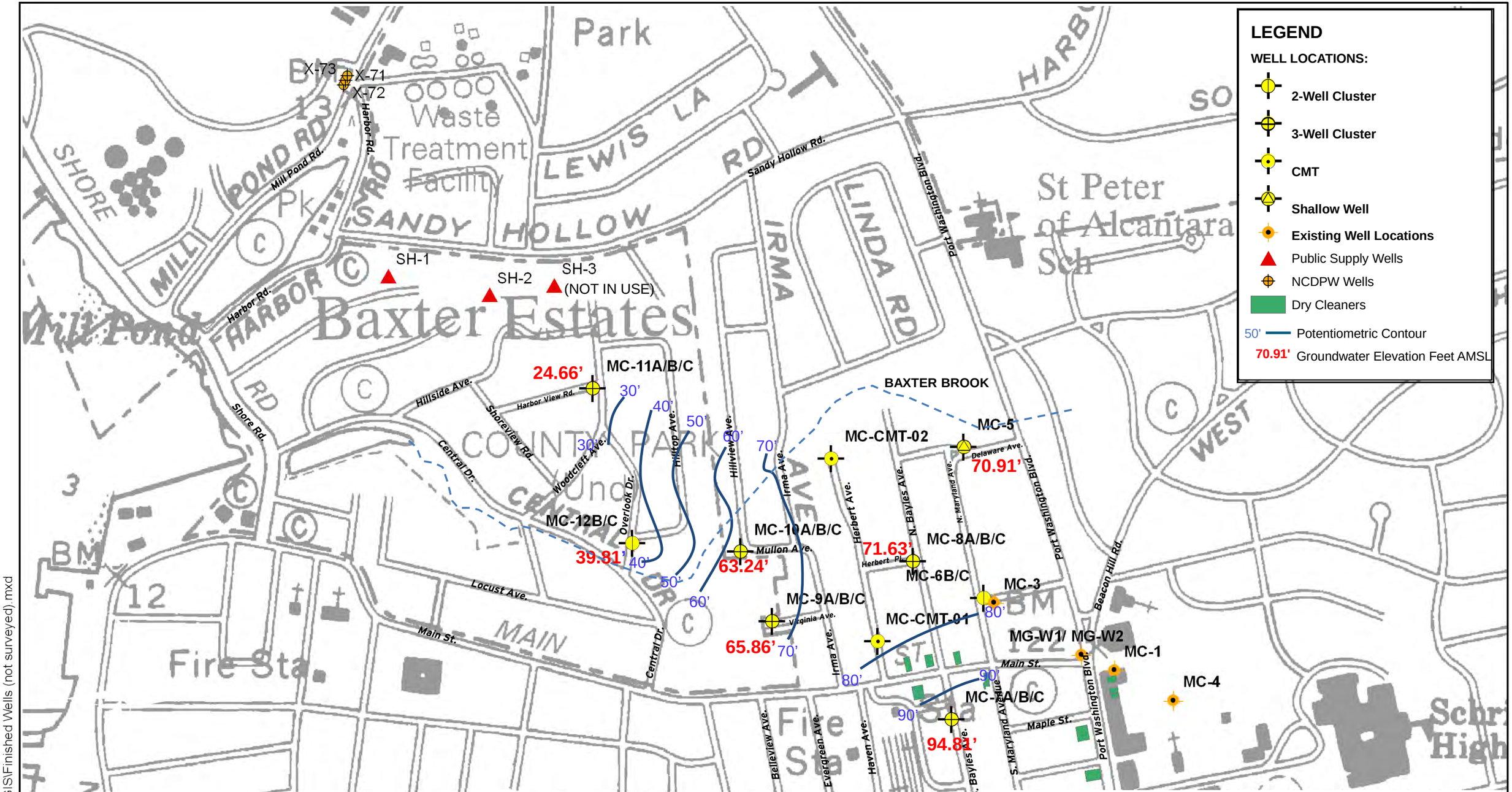
FIGURE 4



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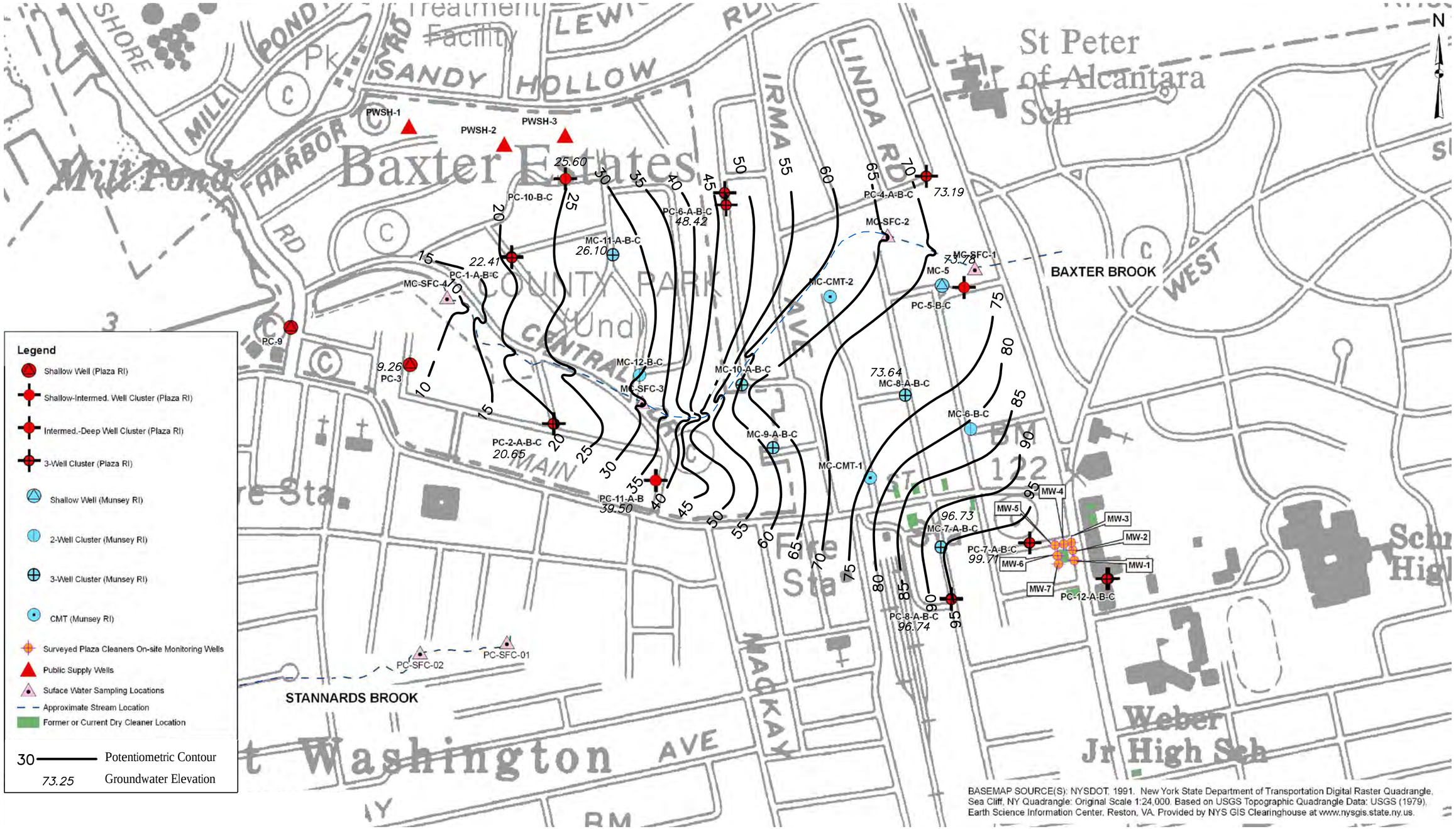
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

SHALLOW ZONE
POTENTIOMETRIC CONTOURS 8/25/08

AUGUST 2011

FIGURE 5



BASEMAP SOURCE(S): NYSDOT. 1991. New York State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979). Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

SHALLOW ZONE
POTENTIOMETRIC MAP 4/28/10
SCALE: 1"=500'

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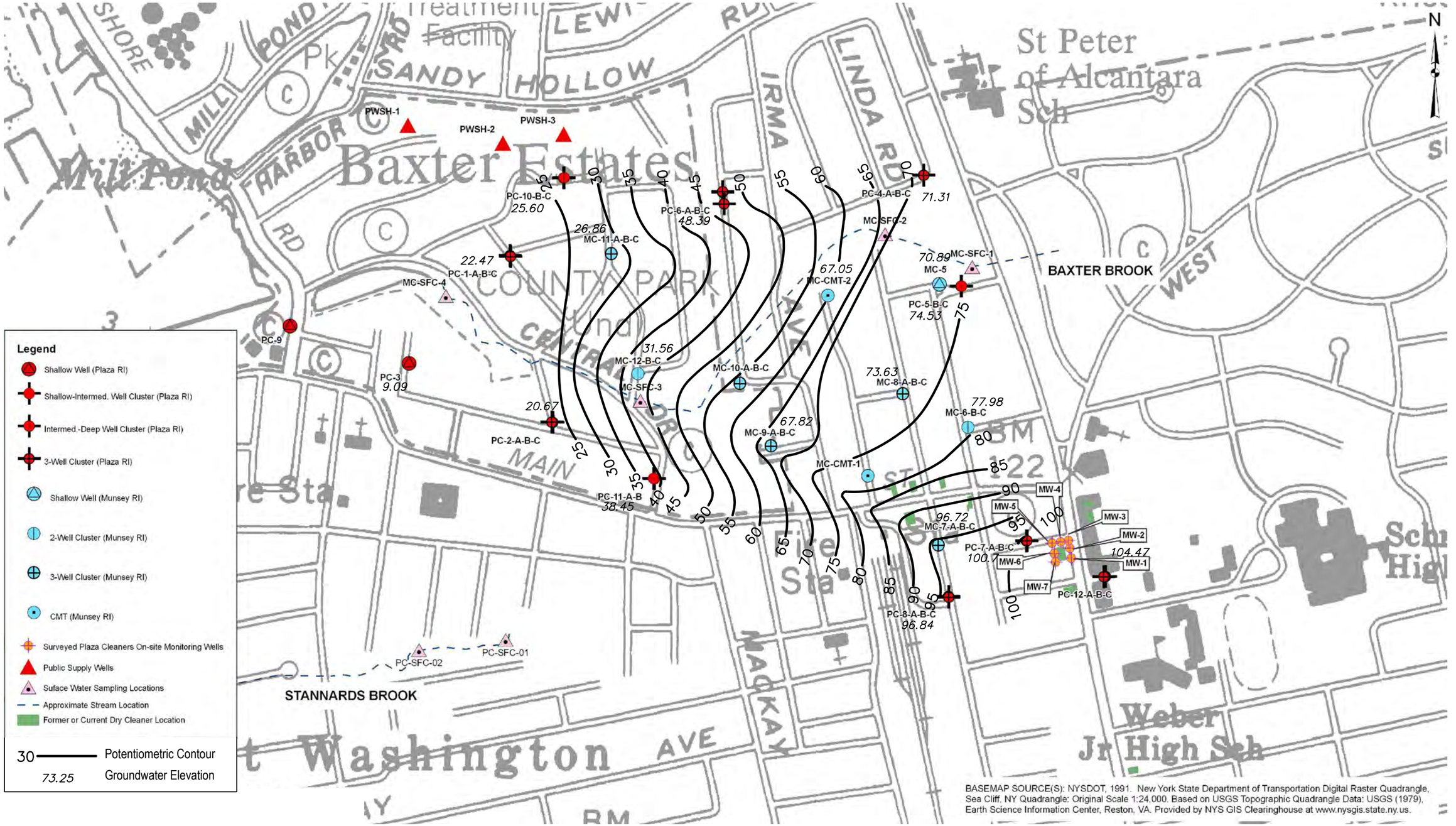
FIGURE 6



BASEMAP SOURCE(S): NYSDOT, 1991. New York State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979), Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

250 0 250 500

SCALE: 1" = 500'

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

INTERMEDIATE ZONE
POTENTIOMETRIC MAP 4/28/10
SCALE: 1"=500'

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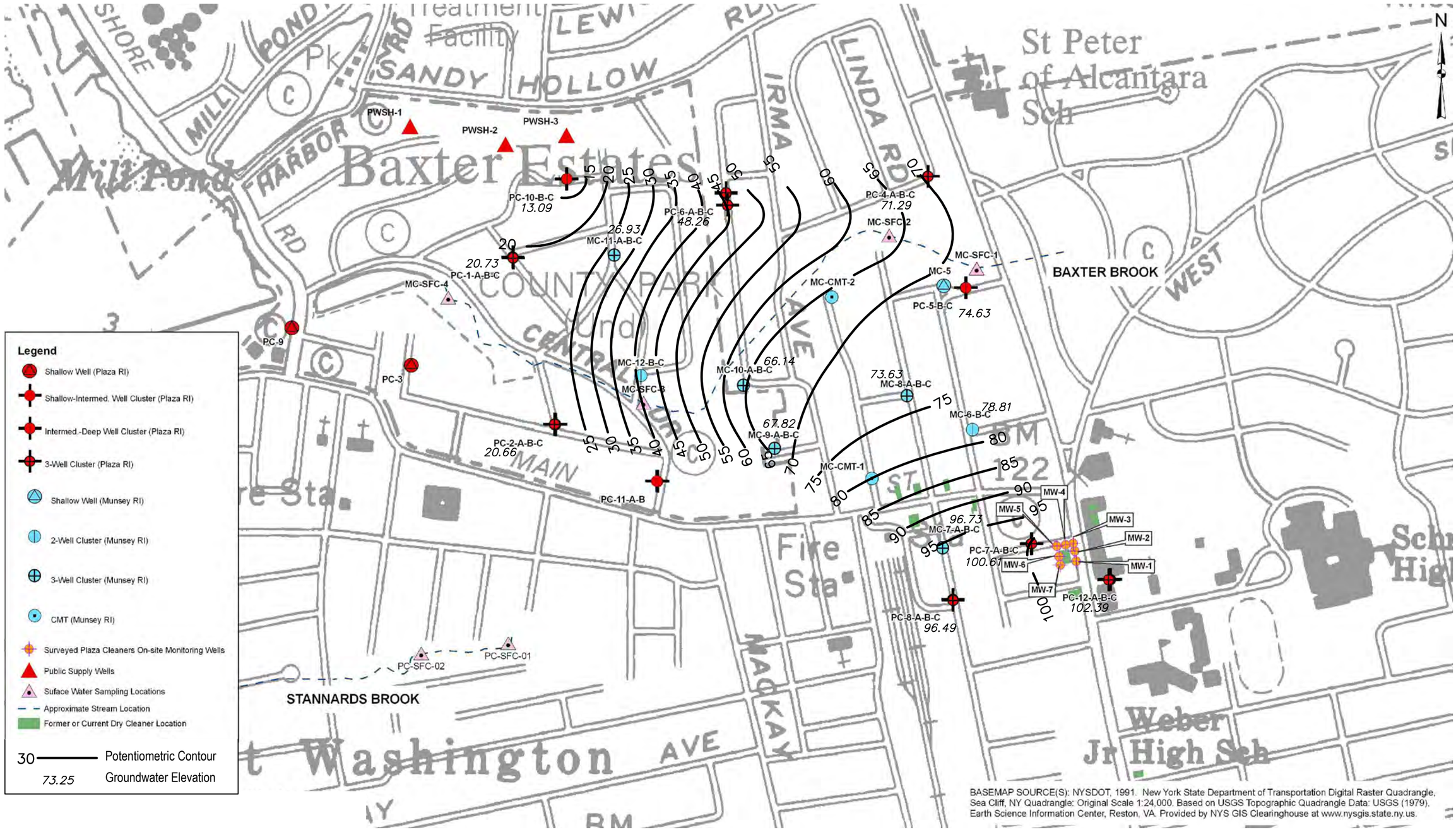
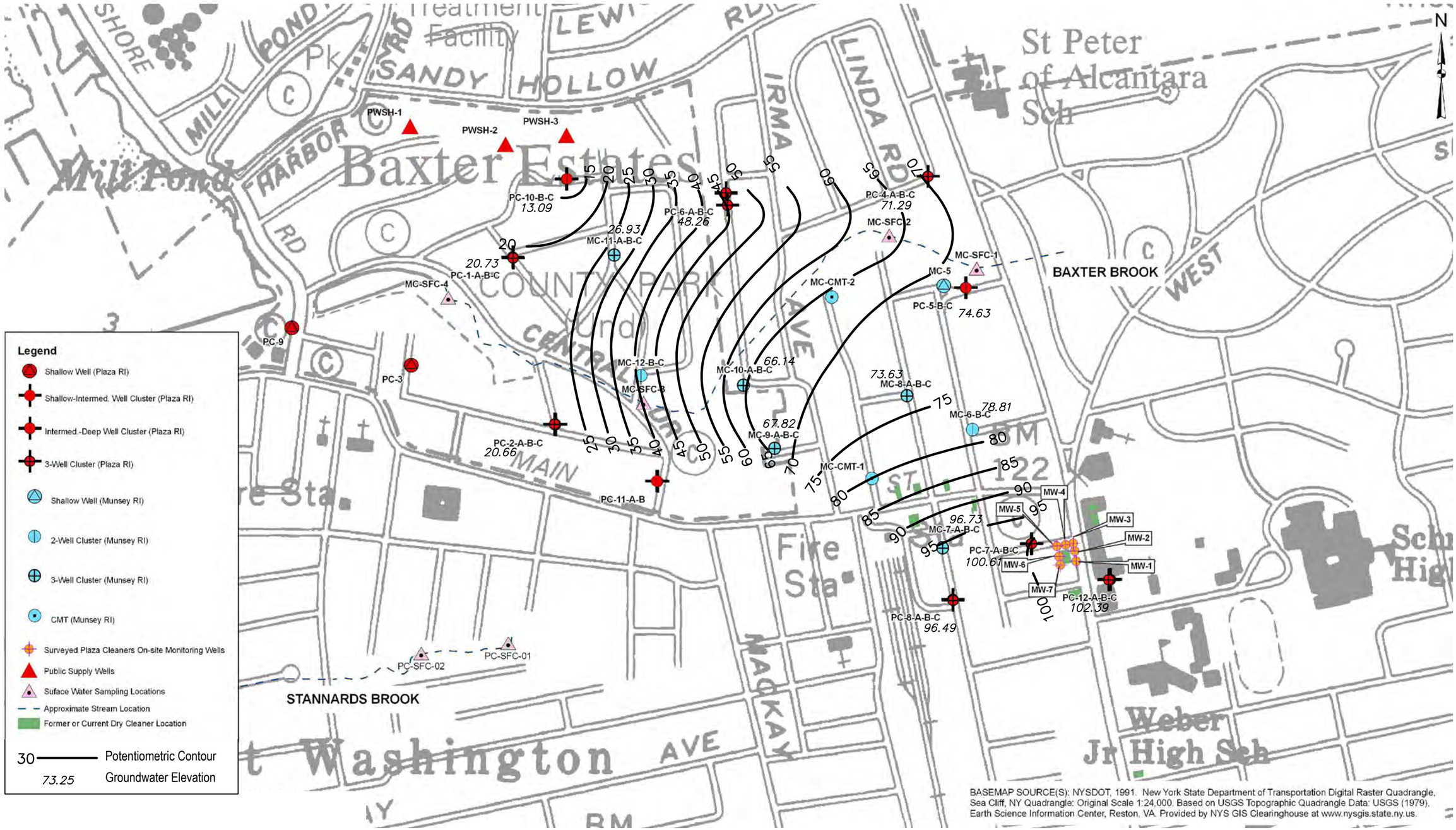
FIGURE 7



ARCADIS Infrastructure · Water · Environment · Buildings	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108 TOWN OF NORTH HEMPSTEAD, NEW YORK	DEEP ZONE POTENTIOMETRIC MAP 4/28/10 SCALE: 1"=500'
		ARCADIS-US, INC. AUGUST 2011 FIGURE 8



ARCADIS Infrastructure · Water · Environment · Buildings	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108 TOWN OF NORTH HEMPSTEAD, NEW YORK	DEEP ZONE POTENTIOMETRIC MAP 4/28/10 SCALE: 1"=500'

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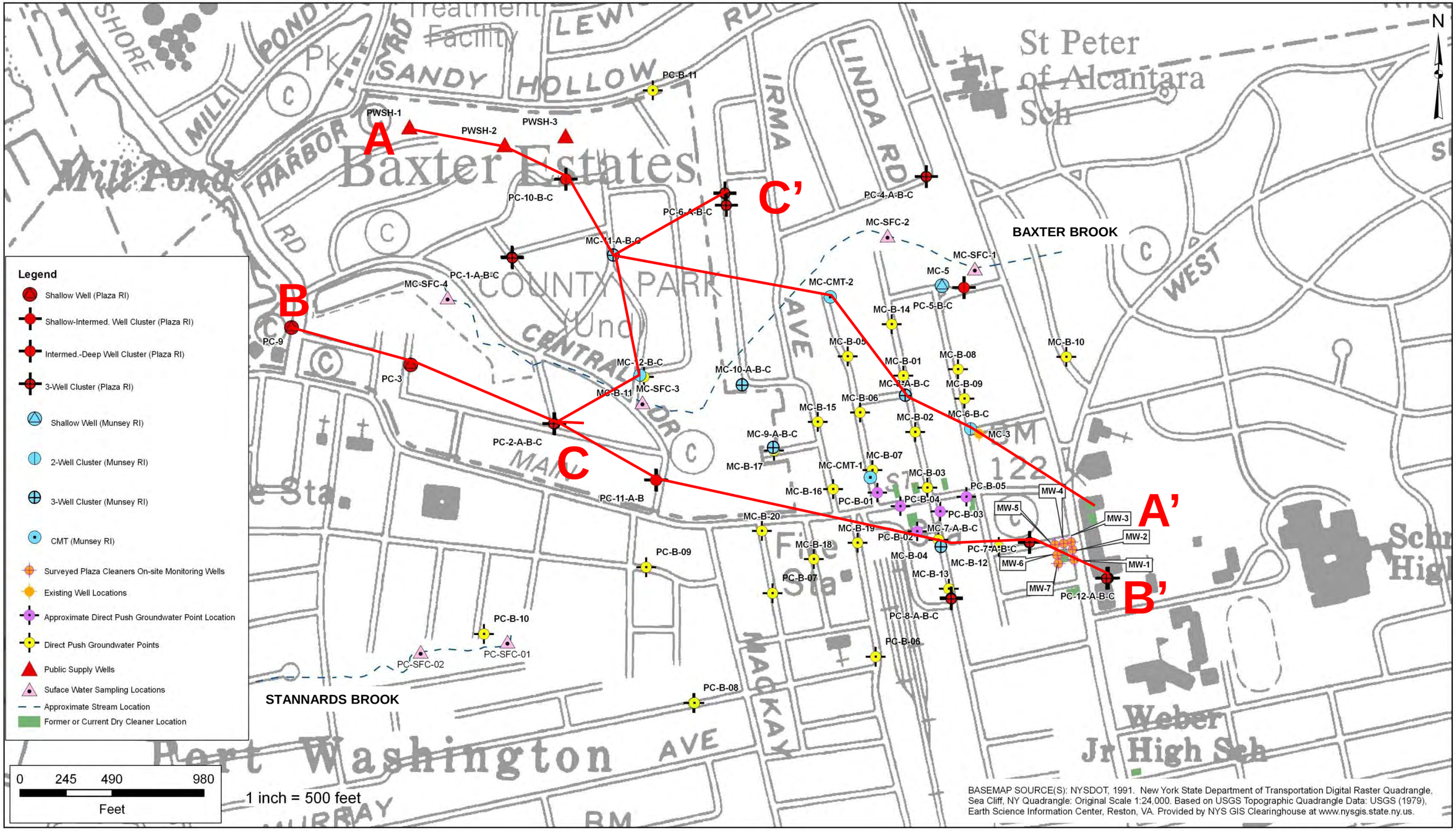
AUGUST 2011

FIGURE 8



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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

CROSS SECTIONS

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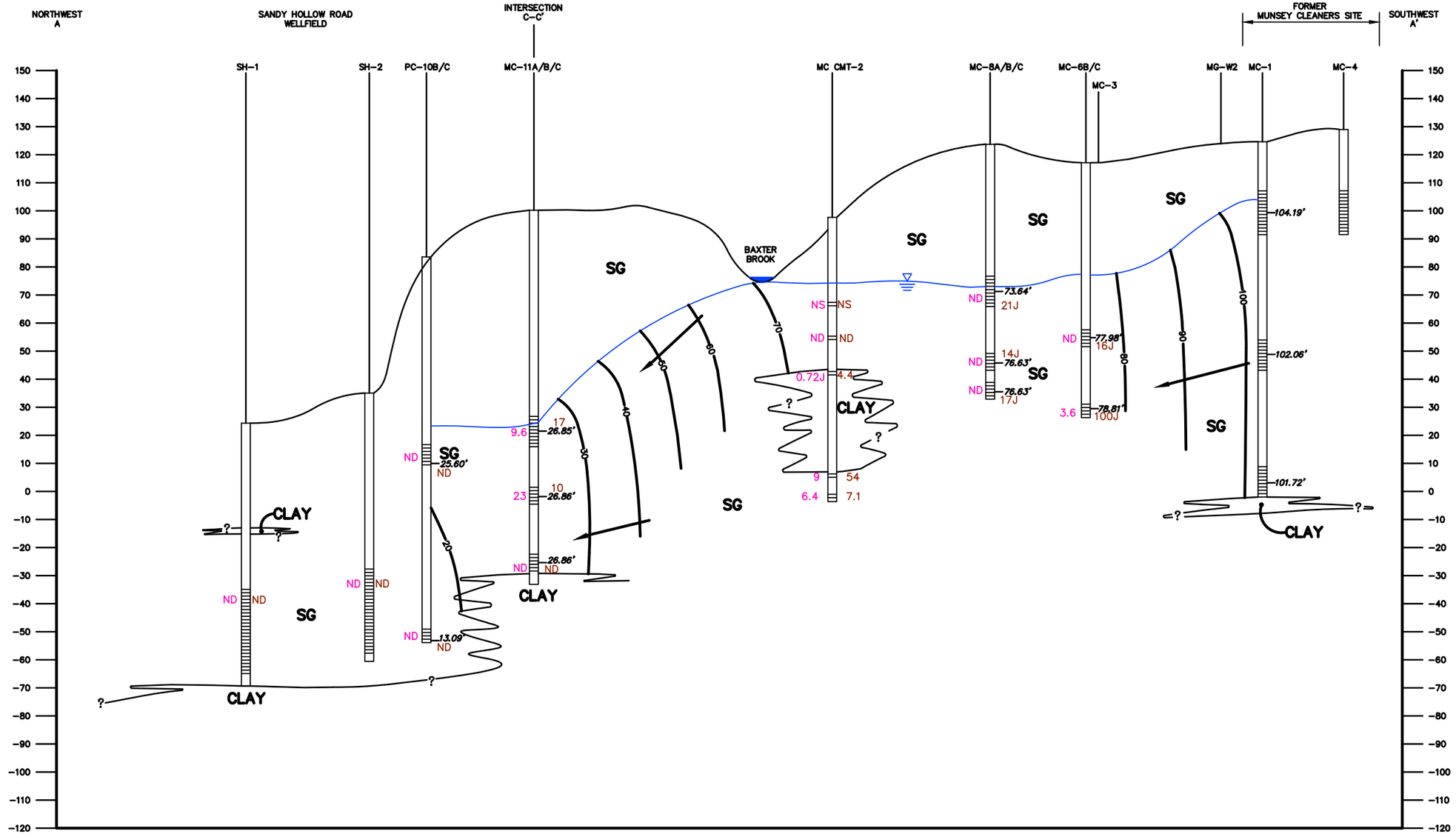
FIGURE 9



LEGEND

- GROUNDWATER FLOW DIRECTION
- WATER TABLE
- 30 — POTENTIOMETRIC CONTOUR
- 10 — TCE IN µg/L – (MAY 2010)
- 10 — PCE IN µg/L – (MAY 2010)
- 24.66' — GROUNDWATER LEVEL (FT. A.M.S.L.) – (APRIL 2010)
- ND — NOT DETECTED
- NS — NOT SAMPLED

10' 0 10' 20'
VERTICAL SCALE
200' 0 200' 400'
HORIZONTAL SCALE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

CROSS SECTION A-A' WITH 2010 DATA

SCALE: AS SHOWN

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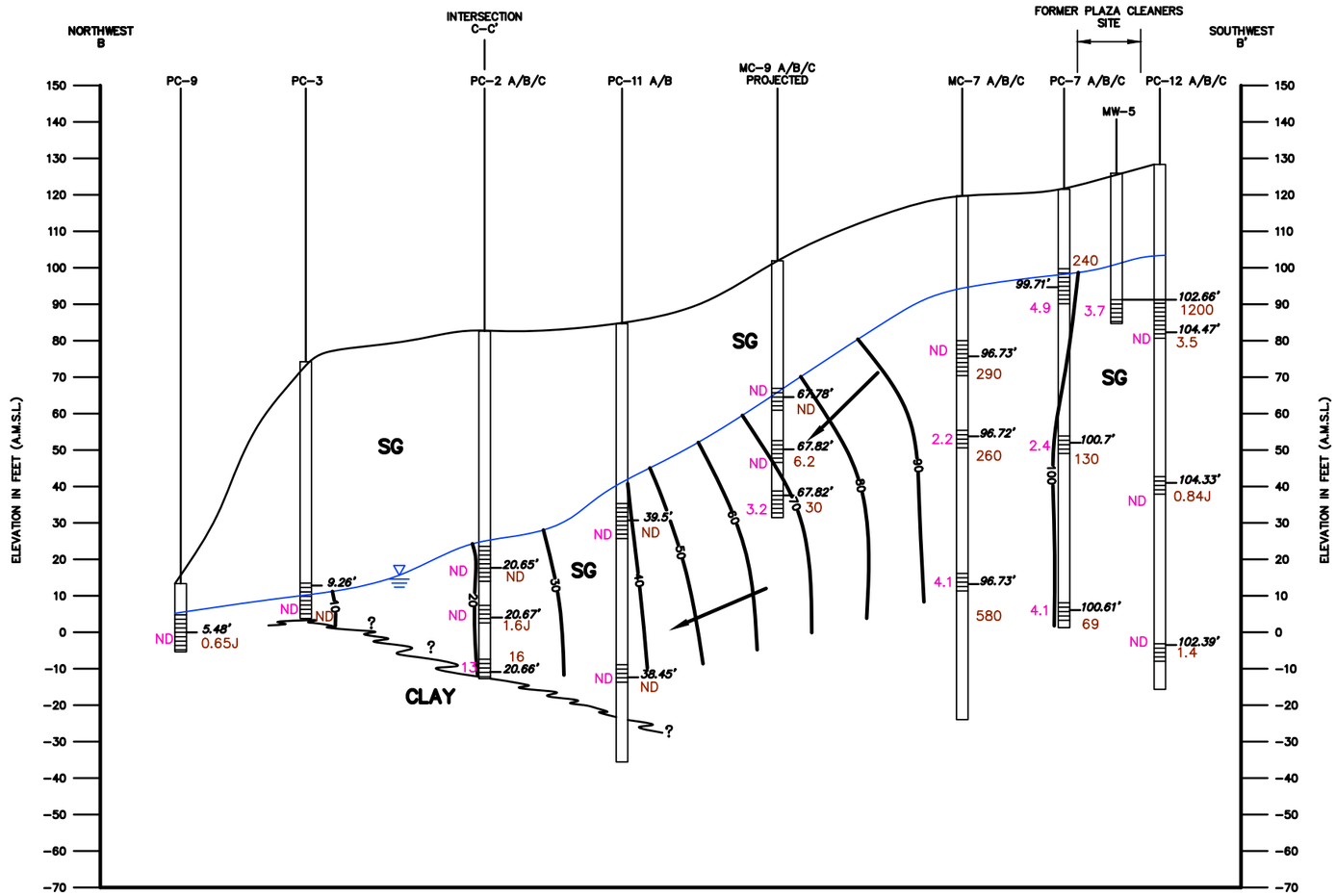
FIGURE 9A



LEGEND

- GROUNDWATER FLOW DIRECTION
- WATER TABLE
- 30 — POTENTIOMETRIC CONTOUR
- 10 — TCE IN µg/L – (MAY 2010)
- 10 — PCE IN µg/L – (MAY 2010)
- 24.66' — GROUNDWATER LEVEL (FT. A.M.S.L.) – (APRIL 2010)
- ND — NOT DETECTED
- NS — NOT SAMPLED

10' 0 10' 20'
VERTICAL SCALE

200' 0 200' 400'
HORIZONTAL SCALE

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TOWN OF NORTH HEMPSTEAD, NEW YORK

CROSS SECTION B-B' WITH 2010 DATA

SCALE: AS SHOWN

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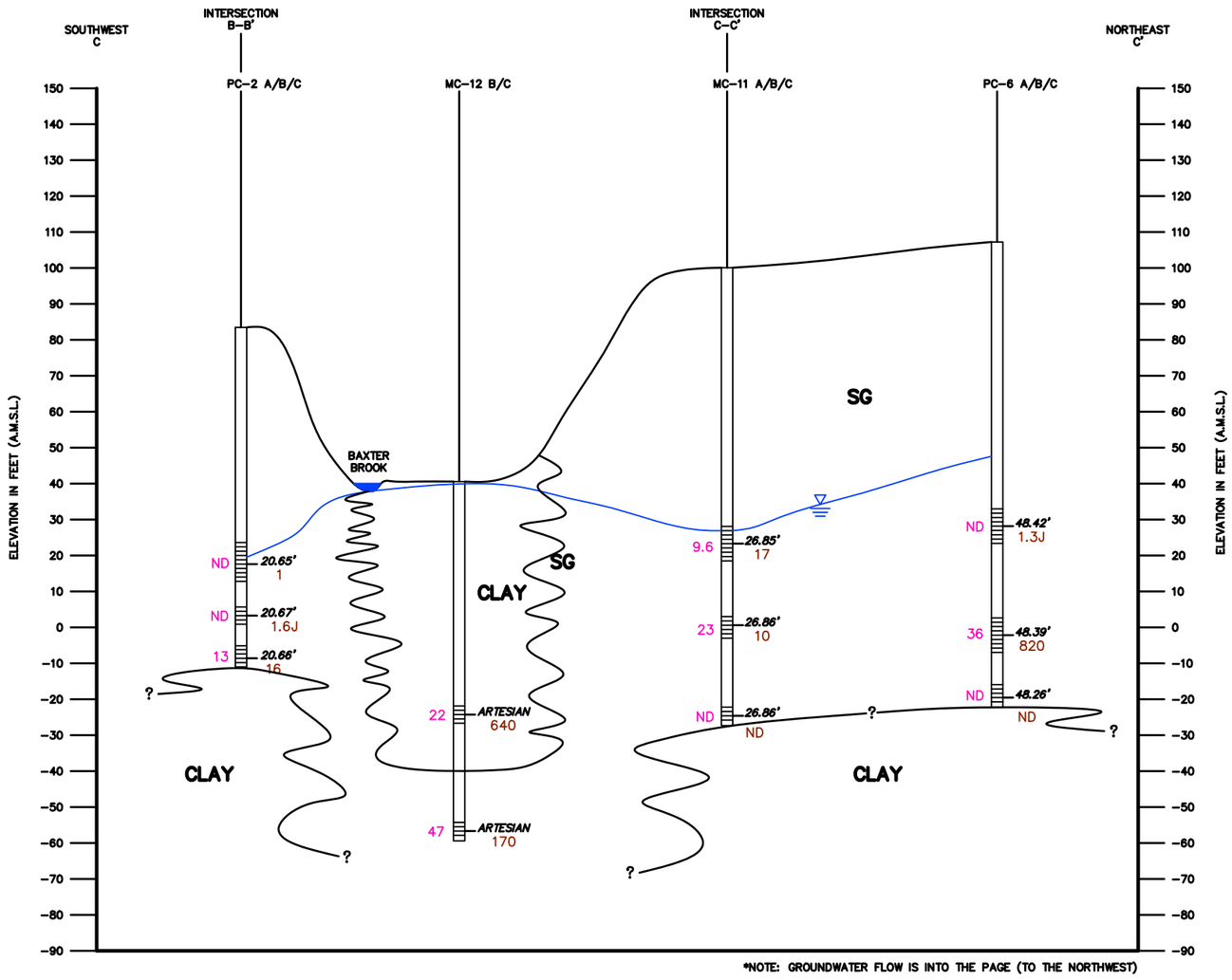
FIGURE 9B



*NOTE: GROUNDWATER FLOW IS INTO THE PAGE (TO THE NORTHWEST)

LEGEND

▽	WATER TABLE
10	TCE IN ug/L – (MAY 2010)
10	PCE IN µg/L – (MAY 2010)
24.66'	GROUNDWATER LEVEL (FT. A.M.S.L.) – (APRIL 2010)
ND	NOT DETECTED
NS	NOT SAMPLED

10' 0 10' 20'
VERTICAL SCALE

200' 0 200' 400'
HORIZONTAL SCALE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

CROSS SECTION C-C' WITH 2010 DATA

SCALE: AS SHOWN

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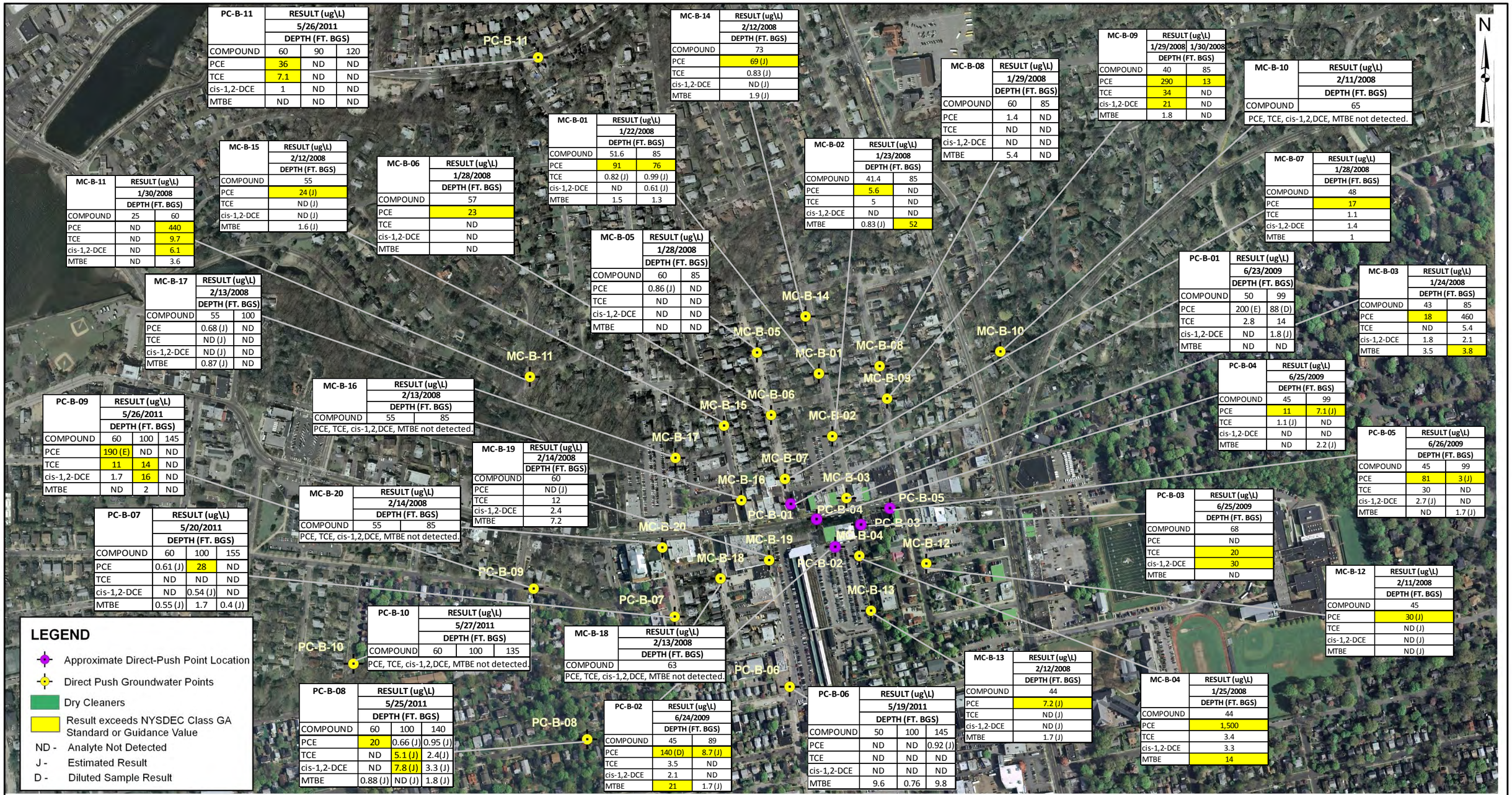
FIGURE 9C



PC-B-11	RESULT (ug\L) 5/26/2011		
	DEPTH (FT. BGS)		
COMPOUND	60	90	120
PCE	36	ND	ND
TCE	7.1	ND	ND
cis-1,2-DCE	1	ND	ND
MTBE	ND	ND	ND

MC-B-14	RESULT (ug\L) 2/12/2008
	DEPTH (FT. BGS)
COMPOUND	73
PCE	69 (J)
TCE	0.83 (J)
cis-1,2-DCE	ND (J)
MTBE	1.9 (J)

MC-B-08	RESULT (ug\L) 1/29/2008	
	DEPTH (FT. BGS)	
COMPOUND	60	85
PCE	1.4	ND
TCE	ND	ND
cis-1,2-DCE	ND	ND
MTBE	5.4	ND

MC-B-09	RESULT (ug\L) 1/29/2008	1/30/2008
	DEPTH (FT. BGS)	
COMPOUND	40	85
PCE	290	13
TCE	34	ND
cis-1,2-DCE	21	ND
MTBE	1.8	ND

MC-B-10	RESULT (ug\L) 2/11/2008
	DEPTH (FT. BGS)
COMPOUND	65
PCE, TCE, cis-1,2,DCE, MTBE not detected.	

MC-B-15	RESULT (ug\L) 2/12/2008
	DEPTH (FT. BGS)
COMPOUND	55
PCE	24 (J)
TCE	ND (J)
cis-1,2-DCE	ND (J)
MTBE	1.6 (J)

MC-B-01	RESULT (ug\L) 1/22/2008	
	DEPTH (FT. BGS)	
COMPOUND	51.6	85
PCE	91	76
TCE	0.82 (J)	0.99 (J)
cis-1,2-DCE	ND	0.61 (J)
MTBE	1.5	1.3

MC-B-02	RESULT (ug\L) 1/23/2008	
	DEPTH (FT. BGS)	
COMPOUND	41.4	85
PCE	5.6	ND
TCE	5	ND
cis-1,2-DCE	ND	ND
MTBE	0.83 (J)	52

MC-B-07	RESULT (ug\L) 1/28/2008
	DEPTH (FT. BGS)
COMPOUND	48
PCE	17
TCE	1.1
cis-1,2-DCE	1.4
MTBE	1

MC-B-11	RESULT (ug\L) 1/30/2008	
	DEPTH (FT. BGS)	
COMPOUND	25	60
PCE	ND	440
TCE	ND	9.7
cis-1,2-DCE	ND	6.1
MTBE	ND	3.6

MC-B-06	RESULT (ug\L) 1/28/2008
	DEPTH (FT. BGS)
COMPOUND	57
PCE	23
TCE	ND
cis-1,2-DCE	ND
MTBE	ND

MC-B-05	RESULT (ug\L) 1/28/2008	
	DEPTH (FT. BGS)	
COMPOUND	60	85
PCE	0.86 (J)	ND
TCE	ND	ND
cis-1,2-DCE	ND	ND
MTBE	ND	ND

PC-B-01	RESULT (ug\L) 6/23/2009	
	DEPTH (FT. BGS)	
COMPOUND	50	99
PCE	200 (E)	88 (D)
TCE	2.8	14
cis-1,2-DCE	ND	1.8 (J)
MTBE	ND	ND

MC-B-03	RESULT (ug\L) 1/24/2008	
	DEPTH (FT. BGS)	
COMPOUND	43	85
PCE	18	460
TCE	ND	5.4
cis-1,2-DCE	1.8	2.1
MTBE	3.5	3.8

MC-B-17	RESULT (ug\L) 2/13/2008	
	DEPTH (FT. BGS)	
COMPOUND	55	100
PCE	0.68 (J)	ND
TCE	ND (J)	ND
cis-1,2-DCE	ND (J)	ND
MTBE	0.87 (J)	ND

PC-B-04	RESULT (ug\L) 6/25/2009	
	DEPTH (FT. BGS)	
COMPOUND	45	99
PCE	11	7.1 (J)
TCE	1.1 (J)	ND
cis-1,2-DCE	ND	ND
MTBE	ND	2.2 (J)

PC-B-09	RESULT (ug\L) 5/26/2011		
	DEPTH (FT. BGS)		
COMPOUND	60	100	145
PCE	190 (E)	ND	ND
TCE	11	14	ND
cis-1,2-DCE	1.7	16	ND
MTBE	ND	2	ND

MC-B-16	RESULT (ug\L) 2/13/2008	
	DEPTH (FT. BGS)	
COMPOUND	55	85
PCE, TCE, cis-1,2,DCE, MTBE not detected.		

MC-B-19	RESULT (ug\L) 2/14/2008
	DEPTH (FT. BGS)
COMPOUND	60
PCE	ND (J)
TCE	12
cis-1,2-DCE	2.4
MTBE	7.2

PC-B-05	RESULT (ug\L) 6/26/2009	
	DEPTH (FT. BGS)	
COMPOUND	45	99
PCE	81	3 (J)
TCE	30	ND
cis-1,2-DCE	2.7 (J)	ND
MTBE	ND	1.7 (J)

PC-B-03	RESULT (ug\L) 6/25/2009
	DEPTH (FT. BGS)
COMPOUND	68
PCE	ND
TCE	20
cis-1,2-DCE	30
MTBE	ND

MC-B-20	RESULT (ug\L) 2/14/2008	
	DEPTH (FT. BGS)	
COMPOUND	55	85
PCE, TCE, cis-1,2,DCE, MTBE not detected.		

PC-B-07	RESULT (ug\L) 5/20/2011		
	DEPTH (FT. BGS)		
COMPOUND	60	100	155
PCE	0.61 (J)	28	ND
TCE	ND	ND	ND
cis-1,2-DCE	ND	0.54 (J)	ND
MTBE	0.55 (J)	1.7	0.4 (J)

PC-B-10	RESULT (ug\L) 5/27/2011		
	DEPTH (FT. BGS)		
COMPOUND	60	100	135
PCE, TCE, cis-1,2,DCE, MTBE not detected.			

MC-B-18	RESULT (ug\L) 2/13/2008
	DEPTH (FT. BGS)
COMPOUND	63
PCE, TCE, cis-1,2,DCE, MTBE not detected.	

MC-B-12	RESULT (ug\L) 2/11/2008
	DEPTH (FT. BGS)
COMPOUND	45
PCE	30 (J)
TCE	ND (J)
cis-1,2-DCE	ND (J)
MTBE	ND (J)

PC-B-08	RESULT (ug\L) 5/25/2011		
	DEPTH (FT. BGS)		
COMPOUND	60	100	140
PCE	20	0.66 (J)	0.95 (J)
TCE	ND	5.1 (J)	2.4 (J)
cis-1,2-DCE	ND	7.8 (J)	3.3 (J)
MTBE	0.88 (J)	ND (J)	1.8 (J)

PC-B-02	RESULT (ug\L) 6/24/2009	
	DEPTH (FT. BGS)	
COMPOUND	45	89
PCE	140 (D)	8.7 (J)
TCE	3.5	ND
cis-1,2-DCE	2.1	ND
MTBE	21	1.7 (J)

PC-B-06	RESULT (ug\L) 5/19/2011		
	DEPTH (FT. BGS)		
COMPOUND	50	100	145
PCE	ND	ND	0.92 (J)
TCE	ND	ND	ND
cis-1,2-DCE	ND	ND	ND
MTBE	9.6	0.76	9.8

MC-B-13	RESULT (ug\L) 2/12/2008
	DEPTH (FT. BGS)
COMPOUND	44
PCE	7.2 (J)
TCE	ND (J)
cis-1,2-DCE	ND (J)
MTBE	1.7 (J)

MC-B-04	RESULT (ug\L) 1/25/2008
	DEPTH (FT. BGS)
COMPOUND	44
PCE	1,500
TCE	3.4
cis-1,2-DCE	3.3
MTBE	14

BASEMAP SOURCE: NYDOP High resolution ortho imagery, 2007.
Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

M:\GISMOD\0266380\Basemap - Geoprobe Hitbox Map.mxd

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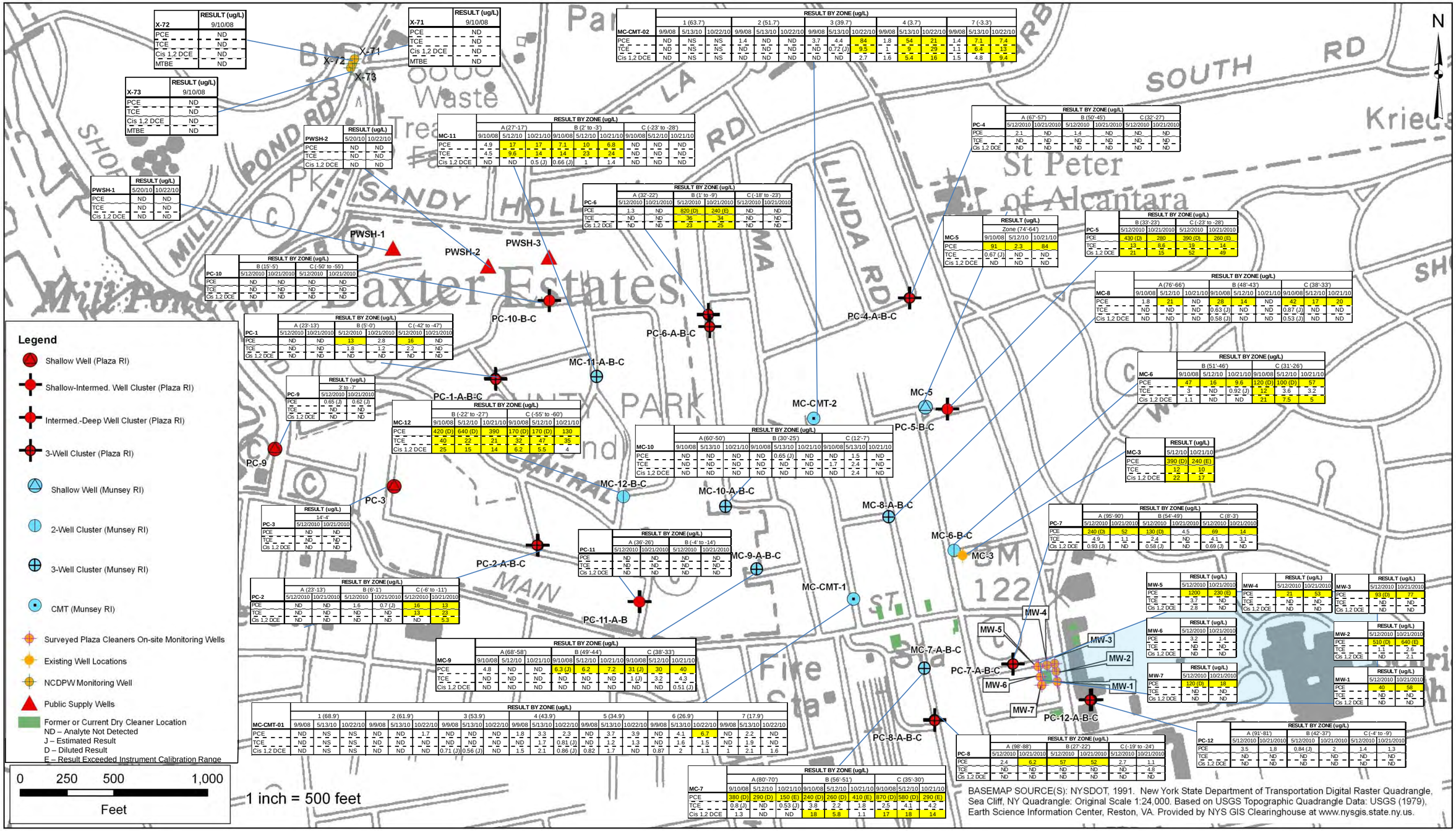
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNCEY AND PLAZA CLEANERS SITE NUMBERS 130081 AND 130108
TOWN OF NORTH HEMPSTEAD, NEW YORK

SUMMARY OF SELECT VOLATILE ORGANIC COMPOUNDS DETECTED IN DIRECT-PUSH GROUNDWATER SAMPLES

AUGUST 2011

FIGURE 10



X-72	RESULT (ug/L) 9/10/08
PCE	ND
TCE	ND
Cis 1,2 DCE	ND
MTBE	ND

X-71	RESULT (ug/L) 9/10/08
PCE	ND
TCE	ND
Cis 1,2 DCE	ND
MTBE	ND

X-73	RESULT (ug/L) 9/10/08
PCE	ND
TCE	ND
Cis 1,2 DCE	ND
MTBE	ND

PWSH-2	RESULT (ug/L) 5/20/10	10/22/10
PCE	ND	ND
TCE	ND	ND
Cis 1,2 DCE	ND	ND

PWSH-1	RESULT (ug/L) 5/20/10	10/22/10
PCE	ND	ND
TCE	ND	ND
Cis 1,2 DCE	ND	ND

MC-CMT-02	RESULT BY ZONE (ug/L) 1 (63.7')			2 (51.7')			3 (39.7')			4 (3.7')			7 (-3.3')		
	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10
PCE	ND	NS	NS	1.4	ND	ND	3.7	4.4	84	1.8	54	21	1.4	7.1	7.4
TCE	ND	NS	NS	ND	ND	ND	ND	0.72 (J)	9.5	1	9	29	1.1	6.4	13
Cis 1,2 DCE	ND	NS	NS	ND	ND	ND	ND	ND	2.7	1.6	5.4	16	1.5	4.8	9.4

MC-11	RESULT BY ZONE (ug/L) A (27'-17')			B (2' to -3')			C (-23' to -28')		
	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10
PCE	4.9	17	17	7.1	10	6.8	ND	ND	ND
TCE	4.5	9.6	14	14	23	24	ND	ND	ND
Cis 1,2 DCE	ND	ND	0.5 (J)	0.66 (J)	1	1.4	ND	ND	ND

PC-6	RESULT BY ZONE (ug/L) A (32'-22')		B (1' to -9')		C (-18' to -23')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	1.3	ND	820 (D)	240 (E)	ND	ND
TCE	ND	ND	36	34	ND	ND
Cis 1,2 DCE	ND	ND	23	25	ND	ND

PC-10	RESULT BY ZONE (ug/L) B (15'-5')		C (-50' to -55')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	ND	ND	ND	ND
TCE	ND	ND	ND	ND
Cis 1,2 DCE	ND	ND	ND	ND

PC-1	RESULT BY ZONE (ug/L) A (23'-13')		B (5'-0')		C (-42' to -47')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	ND	ND	13	2.8	16	ND
TCE	ND	ND	1.8	1.2	2.2	ND
Cis 1,2 DCE	ND	ND	ND	ND	ND	ND

PC-9	RESULT (ug/L) 3' to -7'	
	5/12/2010	10/21/2010
PCE	0.65 (J)	0.62 (J)
TCE	ND	ND
Cis 1,2 DCE	ND	ND

MC-12	RESULT BY ZONE (ug/L) B (-22' to -27')			C (-55' to -60')		
	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10
PCE	420 (D)	640 (D)	390	170 (D)	170 (D)	130
TCE	40	22	21	32	47	35
Cis 1,2 DCE	25	15	14	6.2	5.5	4

MC-10	RESULT BY ZONE (ug/L) A (60'-50')			B (30'-25')			C (12'-7')		
	9/10/08	5/13/10	10/21/10	9/10/08	5/13/10	10/21/10	9/10/08	5/13/10	10/21/10
PCE	ND	ND	ND	ND	0.65 (J)	ND	ND	1.5	ND
TCE	ND	ND	ND	ND	ND	ND	1.7	2.4	ND
Cis 1,2 DCE	ND	ND	ND	ND	ND	ND	ND	2.4	ND

PC-3	RESULT (ug/L) 14'-4'	
	5/12/2010	10/21/2010
PCE	ND	ND
TCE	ND	ND
Cis 1,2 DCE	ND	ND

PC-11	RESULT BY ZONE (ug/L) A (36'-26')		B (-4' to -14')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	ND	ND	ND	ND
TCE	ND	ND	ND	ND
Cis 1,2 DCE	ND	ND	ND	ND

PC-2	RESULT BY ZONE (ug/L) A (23'-13')		B (6'-1')		C (-6' to -11')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	ND	ND	1.6	0.7 (J)	16	13
TCE	ND	ND	ND	ND	13	23
Cis 1,2 DCE	ND	ND	ND	ND	ND	5.3

MC-9	RESULT BY ZONE (ug/L) A (68'-58')			B (49'-44')			C (38'-33')		
	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10
PCE	4.8	ND	ND	6.3 (J)	6.2	7.2	31 (J)	30	40
TCE	ND	ND	ND	ND	ND	ND	1 (J)	3.2	4.3
Cis 1,2 DCE	ND	ND	ND	ND	ND	ND	ND	ND	0.51 (J)

MC-CMT-01	RESULT BY ZONE (ug/L) 1 (68.9')			2 (61.9')			3 (53.9')			4 (43.9')			5 (34.9')			6 (26.9')			7 (17.9')		
	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10	9/9/08	5/13/10	10/22/10
PCE	ND	NS	NS	ND	ND	1.7	ND	ND	ND	1.8	3.3	2.3	ND	3.7	3.9	ND	4.1	6.7	ND	2.2	ND
TCE	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	1.7	0.81 (J)	ND	1.2	1.3	ND	1.6	1.5	ND	1.9	ND
Cis 1,2 DCE	ND	NS	NS	ND	ND	ND	0.71 (J)	0.56 (J)	ND	1.5	2.1	0.86 (J)	0.82	1.7	ND	0.87	2	1.1	1	2.1	1.6

MC-7	RESULT BY ZONE (ug/L) A (80'-70')			B (56'-51')			C (35'-30')		
	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10
PCE	380 (D)	290 (D)	150 (E)	240 (D)	260 (D)	410 (E)	870 (D)	580 (D)	290 (E)
TCE	0.8 (J)	ND	0.53 (J)	3.8	2.2	1.8	2.5	4.1	4.2
Cis 1,2 DCE	1.3	ND	ND	18	5.8	1.1	17	18	14

PC-4	RESULT BY ZONE (ug/L) A (67'-57')		B (50'-45')		C (32'-27')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	2.1	ND	1.4	ND	ND	ND
TCE	ND	ND	ND	ND	ND	ND
Cis 1,2 DCE	ND	ND	ND	ND	ND	ND

MC-5	RESULT (ug/L) Zone (74'-64')		
	9/10/08	5/12/10	10/21/10
PCE	91	2.3	84
TCE	0.67 (J)	ND	ND
Cis 1,2 DCE	ND	ND	ND

PC-5	RESULT BY ZONE (ug/L) B (33'-23')		C (-23' to -28')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	430 (D)	280	390 (D)	260 (E)
TCE	13	8.6	18	14
Cis 1,2 DCE	21	15	52	49

MC-8	RESULT BY ZONE (ug/L) A (76'-66')			B (48'-43')			C (38'-33')		
	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10
PCE	1.8	21	ND	28	14	ND	42	17	20
TCE	ND	ND	ND	0.63 (J)	ND	ND	0.87 (J)	ND	ND
Cis 1,2 DCE	ND	ND	ND	0.58 (J)	ND	ND	0.53 (J)	ND	ND

MC-6	RESULT BY ZONE (ug/L) B (51'-46')		C (31'-26')	
	9/10/08	5/12/10	10/21/10	9/10/08	5/12/10	10/21/10
PCE	47	16	9.6	120 (D)	100 (D)	57
TCE	3	ND	0.92 (J)	12	3.6	3.2
Cis 1,2 DCE	1.1	ND	ND	21	7.5	5

MC-3	RESULT (ug/L) 5/12/10	10/21/10
PCE	390 (D)	240 (E)
TCE	12	10
Cis 1,2 DCE	22	17

PC-7	RESULT BY ZONE (ug/L) A (95'-90')		B (54'-49')		C (8'-3')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	240 (D)	52	130 (D)	4.5	69	14
TCE	4.9	1.1	2.4	ND	4.1	3.1
Cis 1,2 DCE	0.93 (J)	ND	0.58 (J)	ND	0.69 (J)	ND

MW-5	RESULT (ug/L) 5/12/2010	10/21/2010
PCE	1200	230 (E)
TCE	3.7	ND
Cis 1,2 DCE	2.8	ND

MW-4	RESULT (ug/L) 5/12/2010	10/21/2010
PCE	21	53
TCE	ND	ND
Cis 1,2 DCE	ND	ND

MW-3	RESULT (ug/L) 5/12/2010	10/21/2010
PCE	93 (D)	77
TCE	ND	ND
Cis 1,2 DCE	ND	ND

MW-6	RESULT (ug/L) 5/12/2010	10/21/2010
PCE	3.2	1.4
TCE	ND	ND
Cis 1,2 DCE	ND	ND

MW-2	RESULT (ug/L) 5/12/2010	10/21/2010
PCE	510 (D)	640 (E)
TCE	1.1	2.6
Cis 1,2 DCE	ND	2.1

MW-7	RESULT (ug/L) 5/12/2010	10/21/2010
PCE	120 (D)	18
TCE	ND	ND
Cis 1,2 DCE	ND	ND

MW-1	RESULT (ug/L) 5/12/2010	10/21/2010
PCE	40	58
TCE	ND	ND
Cis 1,2 DCE	ND	ND

PC-8	RESULT BY ZONE (ug/L) A (98'-88')		B (27'-22')		C (-19' to -24')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	2.4	6.2	57	52	2.7	1.1
TCE	ND	ND	ND	ND	ND	4.8
Cis 1,2 DCE	ND	ND	ND	ND	ND	ND

PC-12	RESULT BY ZONE (ug/L) A (91'-81')		B (42'-37')		C (-4' to -9')	
	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
PCE	3.5	1.8	0.84 (J)	2	1.4	1.3
TCE	ND	ND	ND	ND	ND	ND
Cis 1,2 DCE	ND	ND	ND	ND	ND	ND

Legend

- Shallow Well (Plaza RI)
- Shallow-Intermed. Well Cluster (Plaza RI)
- Intermed.-Deep Well Cluster (Plaza RI)
- 3-Well Cluster (Plaza RI)
- Shallow Well (Munsey RI)
- 2-Well Cluster (Munsey RI)
- 3-Well Cluster (Munsey RI)
- CMT (Munsey RI)
- Surveyed Plaza Cleaners On-site Monitoring Wells
- Existing Well Locations
- NCDPW Monitoring Well
- Public Supply Wells
- Former or Current Dry Cleaner Location

ND – Analyte Not Detected
J – Estimated Result
D – Diluted Result
E – Result Exceeded Instrument Calibration Range

BASEMAP SOURCE(S): NYSDOT, 1991. New York State Department of Transportation Digital Raster Quadrangle, Sea Cliff, NY Quadrangle: Original Scale 1:24,000. Based on USGS Topographic Quadrangle Data: USGS (1979), Earth Science Information Center, Reston, VA. Provided by NYS GIS Clearinghouse at www.nysgis.state.ny.us.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MUNSEY AND PLAZA CLEANERS SITES
TOWN OF NORTH HEMPSTEAD, NEW YORK

SUMMARY OF SELECT VOLATILE ORGANIC COMPOUNDS DETECTED
IN 2008 AND 2010 GROUNDWATER MONITORING WELL SAMPLES

AUGUST 2011

FIGURE 11

TABLE 1 - MONITORING WELL CONSTRUCTION DETAILS
MUNSEY CLEANERS OU-2 (SITE #130081)
TOWN OF NORTH HEMPSTEAD, NEW YORK

Well	Label	Location	Cluster Type	Well Type	Ground Surface Elevation (feet AMSL)	Measuring Point Elevation (feet AMSL)	East Coordinate	North Coordinate	Depth to Clay (feet bgs)	Elev. of Clay (feet AMSL)	Bottom of Boring (feet bgs)	Bottom of Boring (feet AMSL)	Screened Intervals		8/25/08		4/28/10		10/5/10	
													Top of Screen (feet AMSL)	Bottom of Screen (feet AMSL)	DTW (feet)	Groundwater Elevation (feet)	DTW (feet)	Groundwater Elevation (feet)	DTW (feet)	Groundwater Elevation (feet)
Well	GIS_Label	Location	Clustr_Typ	Well_Type	Grond_AMSL	MP_AMSL	X	Y	Clay_BGS	Clay_AMSL	BOB_BGS	BOB_AMSL	Tscen_AMSL	Bscen_AMSL	DTW_0808	GW_EL_08	DTW_0410	GW_EL_10	DTW_1010	GW_EL_10
MC-5	MC-5	MC-5	S	S	96.05	95.64	1070962.81	243239.09	NA	NA	32	64.05	74.05	64.05	24.73	70.91	21.86	73.78	23.37	72.27
MC-6B	MC-6-B-C	MC-6-B-C	BC	B	115.75	115.32	1071116.101	242475.915	NA	NA	90	25.75	50.75	45.75	40.27	75.05	37.34	77.98	39.74	75.58
MC-6C		MC-6-B-C	BC	C	115.75	115.33	1071116.101	242475.915	NA	NA	90	25.75	30.75	25.75	39.19	76.14	36.52	78.81	38.69	76.64
MC-7A	MC-7-A-B-C	MC-7-A-B-C	ABC	A	120.18	119.74	1070957.935	241845.627	NA	NA	90	30.18	80.18	70.18	24.93	94.81	23.01	96.73	24.72	95.02
MC-7B		MC-7-A-B-C	ABC	B	120.18	119.67	1070957.935	241845.627	NA	NA	90	30.18	56.18	51.18	24.87	94.80	22.95	96.72	24.65	95.02
MC-7C		MC-7-A-B-C	ABC	C	120.18	119.66	1070957.935	241845.627	NA	NA	90	30.18	35.18	30.18	29.84	89.82	22.93	96.73	24.63	95.03
MC-8A	MC-8-A-B-C	MC-8-A-B-C	ABC	A	122.92	122.74	1070767.391	242652.984	NA	NA	92	30.92	75.92	65.92	51.11	71.63	49.10	73.64	50.78	71.96
MC-8B		MC-8-A-B-C	ABC	B	122.92	122.48	1070767.391	242652.984	NA	NA	92	30.92	47.92	42.92	50.86	71.62	48.85	73.63	50.53	71.95
MC-8C		MC-8-A-B-C	ABC	C	122.92	122.64	1070767.391	242652.984	NA	NA	92	30.92	37.92	32.92	51.01	71.63	49.01	73.63	50.69	71.95
MC-9A	MC-9-A-B-C	MC-9-A-B-C	ABC	A	106.43	105.85	1070063.716	242374.146	NA	NA	77	29.43	68.43	58.43	39.99	65.86	38.07	67.78	39.53	66.32
MC-9B		MC-9-A-B-C	ABC	B	106.43	105.95	1070063.716	242374.146	NA	NA	77	29.43	49.43	44.43	40.07	65.88	38.13	67.82	39.61	66.34
MC-9C		MC-9-A-B-C	ABC	C	106.43	105.82	1070063.716	242374.146	NA	NA	77	29.43	38.43	33.43	39.97	65.85	38.00	67.82	39.50	66.32
MC-10A	MC-10-A-B-C	MC-10-A-B-C	ABC	A	70.39	69.8	1069896.752	242708.447	NA	NA	64	6.39	60.39	50.39	6.56	63.24	NM	NM	4.00	65.80
MC-10B		MC-10-A-B-C	ABC	B	70.39	69.9	1069896.752	242708.447	NA	NA	64	6.39	30.39	25.39	4.51	65.39	NM	NM	4.11	65.79
MC-10C		MC-10-A-B-C	ABC	C	70.39	69.89	1069896.752	242708.447	NA	NA	64	6.39	12.39	7.39	4.42	65.47	NM	NM	4.70	65.19
MC-11A	MC-11-A-B-C	MC-11-A-B-C	ABC	A	99.88	99.39	1069209.243	243400.873	128	-28.12	132	-32.12	26.88	16.88	74.73	24.66	72.54	26.85	75.53	23.86
MC-11B		MC-11-A-B-C	ABC	B	99.88	99.46	1069209.243	243400.873	128	-28.12	132	-32.12	1.88	-3.12	74.80	24.66	72.60	26.86	75.60	23.86
MC-11C		MC-11-A-B-C	ABC	C	99.88	99.18	1069209.243	243400.873	128	-28.12	132	-32.12	-23.12	-28.12	74.51	24.67	72.32	26.86	75.32	23.86
MC-12B	MC-12-B-C	MC-12-B-C	BC	B	40.19	41.68	1069352.168	242762.052	NA	NA	100	-59.81	-21.81	-26.81	1.87	43.55	artesian	NM	artesian	NM
MC-12C		MC-12-B-C	BC	C	40.19	41.86	1069352.168	242762.052	NA	NA	100	-59.81	-54.81	-59.81	1.83	43.69	artesian	NM	artesian	NM
MC-CMT-01 (1)	MC-CMT-1	MC-CMT-1	CMT	CMT	116.96	116.58	1070579.817	242216.762	NA	NA	100	16.96	68.96		NM	NM	NM	NM	NM	NM
MC-CMT-01 (2)		MC-CMT-1	CMT	CMT	116.96	116.58	1070579.817	242216.762	NA	NA	100	16.96	61.96		NM	NM	NM	NM	NM	NM
MC-CMT-01 (3)		MC-CMT-1	CMT	CMT	116.96	116.58	1070579.817	242216.762	NA	NA	100	16.96	53.96		NM	NM	NM	NM	NM	NM
MC-CMT-01 (4)		MC-CMT-1	CMT	CMT	116.96	116.58	1070579.817	242216.762	NA	NA	100	16.96	43.96		NM	NM	NM	NM	NM	NM
MC-CMT-01 (5)		MC-CMT-1	CMT	CMT	116.96	116.58	1070579.817	242216.762	NA	NA	100	16.96	34.96		NM	NM	NM	NM	NM	NM
MC-CMT-01 (6)		MC-CMT-1	CMT	CMT	116.96	116.58	1070579.817	242216.762	NA	NA	100	16.96	26.96		NM	NM	NM	NM	NM	NM
MC-CMT-01 (7)		MC-CMT-1	CMT	CMT	116.96	116.58	1070579.817	242216.762	NA	NA	100	16.96	17.96		NM	NM	NM	NM	NM	NM
MC-CMT-02 (1)	MC-CMT-2	MC-CMT-2	CMT	CMT	94.71	94.19	1070367.289	243179.814	NA	NA	100	-5.29	63.71		NM	NM	NM	NM	NM	NM
MC-CMT-02 (2)		MC-CMT-2	CMT	CMT	94.71	94.19	1070367.289	243179.814	NA	NA	100	-5.29	51.71		NM	NM	NM	NM	NM	NM
MC-CMT-02 (3)		MC-CMT-2	CMT	CMT	94.71	94.19	1070367.289	243179.814	NA	NA	100	-5.29	39.71		NM	NM	NM	NM	NM	NM
MC-CMT-02 (4)		MC-CMT-2	CMT	CMT	94.71	94.19	1070367.289	243179.814	NA	NA	100	-5.29	3.71		NM	NM	NM	NM	NM	NM
MC-CMT-02 (7)		MC-CMT-2	CMT	CMT	94.71	94.19	1070367.289	243179.814	NA	NA	100	-5.29	-3.29		NM	NM	NM	NM	NM	NM

Coordinates are in NAD_1983_StatePlane_New_York_Long_Island_FIPS_3104_Feet

Table 2 - MONITORING WELL CONSTRUCTION DETAILS
PLAZA CLEANERS (SITE #130108)
TOWN OF NORTH HEMPSTEAD, NEW YORK

Well	Label	Location	Cluster Type	Well Type	Ground Surface Elevation From Topo Map	Ground Surface Elevation (feet AMSL)	Measuring Point Elevation (feet AMSL)	East Coordinate	North Coordinate	Depth to Clay (feet bgs)	Elev. of Clay (feet AMSL)	Bottom of Boring (feet bgs)	Bottom of Boring (feet AMSL)	Screened Intervals				Saturation During Well Installation (feet bgs)	Saturation During Well Installation (feet AMSL)	4/28/10	10/5/10	
														Top of Screen (feet bgs)	Top of Screen (feet AMSL)	Bottom of Screen (feet bgs)	Bottom of Screen (feet AMSL)			Groundwater Elevation (feet)	Groundwater Measurement DTW (feet)	Groundwater Elevation (feet)
Well	GIS_Label	Location	Clustr_Typ	Well_Type	Grond_Topo	Grond_AMSL	MP_AMSL	X	Y	Clay_BGS	Clay_AMSL	BOB_BGS	BOB_AMSL	Tscren_BGS	Tscen_AMSL	Bscren_BGS	Bscen_AMSL	Water_BGS	Water_AMSL			
PC-1A	PC-1-A-B-C	PC-1-A-B-C	ABC	A	91	42.71	42.37	1068668.1470	243391.6202	95	-52.29	45	-2.29	20	22.71	30	12.71	25	17.71	22.46	26.42	15.95
PC-1B		PC-1-A-B-C	ABC	B	91	42.71	42.37	1068668.1470	243391.6202	95	-52.29	45	-2.29	38	4.71	43	-0.29	25	17.71	22.47	26.42	15.95
PC-1C		PC-1-A-B-C	ABC	C	91	42.89	42.67	1068671.5740	243386.8951	95	-52.11	95	-52.11	85	-42.11	90	-47.11	25	17.89	20.73	24.26	18.41
PC-2A	PC-2-A-B-C	PC-2-A-B-C	ABC	A	70	83.15	82.48	1068897.0870	242501.2067	95	-11.85	70	13.15	60	23.15	70	13.15	64	19.15	20.65	64.04	18.44
PC-2B		PC-2-A-B-C	ABC	B	70	83.15	82.63	1068897.0870	242501.2067	95	-11.85	82	1.15	77	6.15	82	1.15	64	19.15	20.67	64.18	18.45
PC-2C		PC-2-A-B-C	ABC	C	70	83.14	82.81	1068892.1250	242502.4079	95	-11.86	97	-13.86	89.5	-6.36	94.5	-11.36	64	19.14	20.66	64.35	18.46
PC-3	PC-3	PC-3	S	S	77	79.17	78.82	1068128.7600	242816.4876	75	4.17	75	4.17	65	14.17	75	4.17	65	14.17	9.26	63.13	15.69
PC-4A	PC-4-A-B-C	PC-4-A-B-C	ABC	A	98	89.79	89.17	1070878.0860	243820.2150	65	24.79	45	44.79	23	66.79	33	56.79	25	64.79	73.19	17.73	71.44
PC-4B		PC-4-A-B-C	ABC	B	98	89.79	89.42	1070878.0860	243820.2150	65	24.79	45	44.79	40	49.79	45	44.79	25	64.79	71.31	19.83	69.59
PC-4C		PC-4-A-B-C	ABC	C	98	89.88	89.21	1070880.5150	243820.4417	65	24.88	67	22.88	58	31.88	63	26.88	25	64.88	71.29	19.64	69.57
PC-5B	PC-5-B-C	PC-5-B-C	BC	B	92	92.58	92.24	1071079.4360	243228.5847	122	-29.42	70	22.58	60	32.58	70	22.58	20.4	72.18	74.53	19.8	72.44
PC-5C		PC-5-B-C	BC	C	92	92.42	92.14	1071082.4760	243228.5237	122	-29.58	122	-29.58	115	-22.58	120	-27.58	20.4	72.02	74.63	19.62	72.52
PC-6A	PC-6-A-B-C	PC-6-A-B-C	ABC	A	107	106.32	106.18	1069805.0210	243729.7610	131	-24.68	85	21.32	74	32.32	84	22.32	76.5	29.82	48.42	59.59	46.59
PC-6B		PC-6-A-B-C	ABC	B	107	106.36	106	1069804.7280	243733.1835	131	-24.64	122	-15.64	105	1.36	115	-8.64	76.5	29.86	48.39	59.41	46.59
PC-6C		PC-6-A-B-C	ABC	C	107	107.29	106.91	1069812.6740	243667.4579	131	-23.71	137	-29.71	125	-17.71	130	-22.71	76.5	30.79	48.26	60.19	46.72
PC-7A	PC-7-A-B-C	PC-7-A-B-C	ABC	A	125	123.42	122.64	1071428.7970	241868.0411	NA	NA	33	90.42	28	95.42	33	90.42	26	97.42	99.71	23.55	99.09
PC-7B		PC-7-A-B-C	ABC	B	125	123.42	123.08	1071428.7970	241868.0411	NA	NA	75	48.42	69	54.42	74	49.42	26	97.42	100.7	23.98	99.1
PC-7C		PC-7-A-B-C	ABC	C	125	123.38	122.97	1071432.0450	241868.9937	NA	NA	122	1.38	115	8.38	120	3.38	26	97.38	100.61	23.79	99.18
PC-8A	PC-8-A-B-C	PC-8-A-B-C	ABC	A	128	126.73	126.18	1071012.0570	241572.8173	151.5	-24.77	39	87.73	29	97.73	39	87.73	35	91.73	96.74	31.22	94.96
PC-8B		PC-8-A-B-C	ABC	B	128	126.73	126.34	1071012.7250	241569.7711	151.5	-24.77	107	19.73	100	26.73	105	21.73	35	91.73	96.84	31.39	94.95
PC-8C		PC-8-A-B-C	ABC	C	128	126.82	126.47	1071013.8340	241566.9676	151.5	-24.68	153	-26.18	146	-19.18	151	-24.18	35	91.82	96.49	31.63	94.84
PC-9	PC-9	PC-9	S	S	10	12.48	11.42	1067493.5280	243015.8317	NA	NA	19	-6.52	9	3.48	19	-6.52	10.8	1.68	5.48	6.15	5.27
PC-10B	PC-10-B-C	PC-10-B-C	BC	B	70	84.91	84.55	1068954.6840	243806.3825	NA	NA	82	2.91	70	14.91	80	4.91	65	19.91	25.6	62.35	22.2
PC-10C		PC-10-B-C	BC	C	70	84.87	84.64	1068957.6170	243807.1439	NA	NA	157	-72.13	135	-50.13	140	-55.13	65	19.87	13.09	68.95	15.69
PC-11A	PC-11-A-B-C	PC-11-A-B-C	AB	A	91	85.76	85.36	1069440.0750	242201.1002	120	-34.24	60	25.76	50	35.76	60	25.76	47.7	38.06	39.5	46.97	38.39
PC-11B		PC-11-A-B-C	AB	B	91	85.65	85.33	1069435.6960	242202.2397	120	-34.35	122	-36.35	90	-4.35	100	-14.35	47.7	37.95	38.45	45.53	39.8
PC-11C		PC-11-A-B-C	Boring		91			1069437.8855	242201.6700	120	-120	157	-157	No Well	No Well	No Well	No Well	47.7	47.7	-	-	-
PC-12A	PC-12-A-B-C	PC-12-A-B-C	ABC	A	128	128.8	128.46	1071851.4800	241678.6304	146	-17.2	48	80.8	38	90.8	48	80.8	40	88.8	104.47	25.94	102.52
PC-12B		PC-12-A-B-C	ABC	B	128	128.78	128.52	1071848.6960	241677.9978	146	-17.22	92	36.78	87	41.78	92	36.78	40	88.78	104.33	27.55	100.97
PC-12C		PC-12-A-B-C	ABC	C	128	128.75	128.39	1071842.0000	241677.1371	146	-17.25	146	-17.25	133	-4.25	138	-9.25	40	88.75	102.39	27.81	100.58

Coordinates are in NAD_1983_StatePlane_New_York_Long_Island_FIPS_3104_Feet

TABLE 3- MONITORING WELL CONSTRUCTION DETAILS
WELLS INSTALLED PRIOR TO REMEDIAL INVESTIGATION
MUNSEY CLEANERS OU-2 (SITE #130081)
TOWN OF NORTH HEMPSTEAD, NEW YORK

Well	Label	Location	Ground Surface Elev. From Topo Map	Measuring Point Elev. (feet AMSL)	Easting	Northing	Depth to Clay (feet bgs)	Depth of Clay (feet AMSL)	Bottom of Boring (feet bgs)	Bottom of Boring (feet AMSL)	Top of Screen (feet bgs)	Top of Screen (feet AMSL)	Bottom of Screen (feet bgs)	Bottom of Screen (feet AMSL)	11/00 DTW (Feet)	GW Elevation (feet AMSL)
Well	GIS_Label	Location	Grond_Topo	MP_AMSL	X	Y	Clay_BGS	Clay_AMSL	BOB_BGS	BOB_AMSL	Tscren_BGS	Tscen_AMSL	Bscren_BGS	Bscen_AMSL	DTW_11/00	Water_AMSL
MC-1S	MC-1-S-I-D	MC-1	123	125.39	1071771.2680	242108.1261	124.0	-1.0	32	91	17	106	32	91	21.17	104.22
MC-1I		MC-1	123	125.39	1071771.2680	242108.1261	124.0	-1.0	83	40	70	53	80	43	22.14	103.25
MC-1D		MC-1	123	125.39	1071771.2680	242108.1261	124.0	-1.0	124.5	-1.5	115	8	124	-1	22.14	103.25
MC-2	MC-2	MC-2	125	124.6	1071576.0000	241875.0000	NA	NA	40.5	84.5	25	100	40	85	24.04	100.56
MC-3	MC-3	MC-3	116	123.56	1071159.2888	242449.2720	NA	NA	40	76	25	91	40	76	34.41	89.15
MC-4	MC-4	MC-4	128	123.78	1072068.1430	241954.4803	NA	NA	36.5	91.5	21.5	106.5	36.5	91.5	24.69	99.09
MG-W1	MG-W1	MG-W1	122	121.48	1071596.7888	242191.4595	NA	NA	28.7	93.3	18.7	103.3	28.7	93.3	20.8	100.68
MG-W2	MG-W2	MG-W2	122	121.33	1071545.0000	242185.0000	NA	NA	26.5	95.5	16.5	105.5	26.5	95.5	20.65	100.68

NOTES:
X and Y coordinates are appoximate and are in NAD_1983_StatePlane_New_York_Long_Island_FIPS_3104_Feet
Ground surface and screened interval elevations are appoximate
MC-1, MC-3, MC-4: Well data provided by CA Rich Consultants Site Report dated June 7, 2001.
MG-1 and MG-W2: Screen top elevation estimated. Well depths provided by CA Rich Consultants Site Report dated June 7, 2001.
Screen interval depths are approximate - actual depths will be based on water table depth at each location.

TABLE 4 - PLAZA CLEANERS ON-SITE WELLS
WELLS INSTALLED PRIOR TO REMEDIAL INVESTIGATION
TOWN OF NORTH HEMPSTEAD, NEW YORK

Well ID	Ground Elevation	Measuring Point Elevation	Bottom of Well	Top of Screen	Bottom of Screen	Water Table Elevation	DTW Measurements (feet)	Water Table Elevation	Well Location
						4/28/2010	10/5/2010	10/5/2010	
MW-1	125.88	125.39	do not have well info			103.08	24.13	101.26	Plaza Cleaners site
MW-2	124.8	124.6	do not have well info			103.05	23.41	101.19	Plaza Cleaners site
MW-3	123.78	123.56	do not have well info			103.05	22.41	101.15	Plaza Cleaners site
MW-4	124.03	123.78	do not have well info			102.87	22.72	101.06	Plaza Cleaners site
MW-5	124.34	124.01	do not have well info			102.66	23.16	100.85	Plaza Cleaners site
MW-6	126.1	125.46	do not have well info			102.8	24.46	101	Plaza Cleaners site
MW-7	127.82	127.55	do not have well info			102.88	26.5	101.05	Plaza Cleaners site

ELEVATION - VERTICAL DATUM ARE BASED ON NAVD 88 AND SITE DATUM IN U.S. SURVEY FEET

TABLE 5A
MUNSEY CLEANERS OU-2
RESULTS OF PERC BADGE SAMPLING
FEBRUARY 2006

	Number	Street	No. of Samples	Sample Location	Sample ID No.	Time In	Time Out	µg/m^3
Commercial	1000	Port Washington Blvd.	1	DIME SB Bsmt.	DQ5866	10:02	10:19	64
				DIME SB 1st Floor	DQ5787	9:56	10:21	55
Commercial	1020	Port Washington Blvd.	1	NF Bank 1st Floor	DQ6050	9:45	10:26	4.6
US Post Office	1051	Port Washington Blvd.	5	PO Bsmt. Eat	DQ5899	14:35	14:04	4.6
				PO Bsmt. Eat Dup	DQ5816	14:37	14:05	4.9
				PO Bsmt. Common Area	DJ6999	14:43	14:01	4.4
				PO 1st Floor South	DJ7017	14:46	13:53	3.7
				PO Behind Counter	DJ6962	14:50	14:14	3.7
Commercial	1090	Port Washington Blvd.	2	1090 Basement	DQ5963	12:25	11:37	3.4
				1090 Office	DQ5863	12:29	11:39	89
Residential	12A	Ohio Avenue	2	12A Basement	DQ5914	11:04	11:10	<1.4
				12A Ohio LR	DQ5919	11:00	11:08	<1.4
Residential	12	Ohio Avenue	2	12 Basement	DQ5951	10:41	11:03	<1.4
				12 Ohio LR	DQ612(9)	10:47	10:59	<1.4
Residential	10A	Ohio Avenue	2	10A Basement	DQ6021	10:23	10:38	5.6
				10A Ohio Kitchen	DQ6118	10:27	10:42	4.7
Residential	10	Ohio Avenue	2	10 Ohio Basement	DQ6012	10:12	10:35	<1.4
				10 Ohio LR	DQ6027	10:16	10:33	<1.4
Rosemarie Gilpin		5 Delaware Avenue	2	5 DA Basement	DQ5922	12:01	11:26	<1.5
				5 DA LR	DQ5877	11:25	11:23	<1.4

	Number	Street	No. of Samples	Sample Location	Sample ID No.	Time In	Time Out	µg/m3
Commercial	3	Main Street	1	Porto Café Counter	DJ7012	14:58	12:52	12
Commercial	11	Main Street	2	Entrée Basement	DJ7004	15:13	13:05	35
				Entrée Counter	DJ 6932	15:09	13:03	27
Commercial	14	Main Street	2	Frank's Basement	DQ5982	14:20	11:59	2.1
				Frank's Counter	DQ5894	13:43	11:56	2.3
Commercial	20A	Main Street	2	20A Basement	DJ7001	15:23	13:23	3.6
				20A 1st Floor	DJ6926	15:19	13:20	1.6
Commercial	24	Main Street	2	24 Basement	DJ7021	15:31	13:30	1.8
				24 Counter	DJ7013	15:27	13:29	<1.6
Commercial	30	Main Street	3	30 Basement Dup.	DQ5808	15:43	13:36	33
				30 Basement	DQ6011	15:41	13:35	31
				30 Reception	DQ5940	15:37	13:33	9.1
Residential	10A	Ohio Avenue	1	Outdoor Sample	DQ5893	10:31	10:44	<1.4

Table 5A
Munsey Cleaners OU-2
Validated Indoor Air and Sub-Slab Vapor Analytical Results
March 2008

	Sample ID	130081-BA-01	130081-SS-01	130081-FA-02	130081-SS-03	130081-BA-03	130081-OA-03	130081-BA-04	130081-SS-04	130081-SS-04
	Sampling Date	3/17/2008	3/17/2008	3/17/2008	3/18/2008	3/17/2008	3/18/2008	3/18/2008	3/18/2008	5/7/2008
	Dilution Factor	1	10	1	10	1	1	1	10	396.67
COMPOUND	CAS #									
Dichlorodifluoromethane	75-71-8	2.47 J	0.84 U	2.47	0.84 UJ	2.47	2.47	2.47 J	0.84 U	200 UJ
tert-butyl alcohol	75-65-0	0.24 UJ	2.39 U	0.24 U	2.39 UJ	0.24 U	0.24 U	1.21 J	2.39 U	200 UJ
Chloromethane	74-87-3	1.86 J	0.52 U	1.24	0.52 UJ	0.83 J	1.24	1.24 J	0.52 U	200 UJ
Methyl Methacrylate	80-62-6	0 UJ	0.03 U	0 J	0.03 UJ	0 U	0 U	0.01 J	0.03 U	200 UJ
Vinyl Chloride	75-01-4	0.26 UJ	2.56 U	0.26 U	2.56 UJ	0.26 U	0.26 U	0.26 UJ	2.56 U	200 UJ
Bromomethane	74-83-9	0.09 UJ	0.93 U	0.09 UJ	0.93 UJ	0.09 UJ	0.09 U	0.09 UJ	0.93 U	200 UJ
Chloroethane	75-00-3	0.04 UJ	0.45 U	0.04 UJ	0.45 UJ	0.04 UJ	0.04 U	0.04 UJ	0.45 U	200 UJ
Trichlorofluoromethane	75-69-4	1.69 J	1.57 U	1.12 J	1.57 UJ	1.69 J	1.69	1.12 J	6.18 J	200 UJ
Dichlorotetrafluoroethane	76-14-2	0.15 UJ	1.54 U	0.15 U	1.54 UJ	0.15 U	0.15 U	0.7 J	1.54 U	200 UJ
1,1,2-Trichlorotrifluoroethane	76-13-1	0.2 UJ	1.99 U	0.2 U	1.99 UJ	0.2 U	0.2 U	0.2 UJ	1.99 U	200 UJ
Bromoethene	593-60-2	0.1 UJ	1.05 U	0.1 UJ	1.05 UJ	0.1 UJ	0.1 U	0.1 UJ	1.05 U	
Heptane	142-82-5	1.23 J	0.98 U	12.29	0.98 UJ	0.1 U	0.1 U	2.05 J	0.98 U	200 UJ
1,1-Dichloroethene	75-35-4	0.1 UJ	0.99 U	0.1 U	0.99 UJ	0.1 U	0.1 U	0.1 UJ	0.99 U	200 UJ
Acetone	67-64-1	17.82 J	27.32 B	4.28 U	43.95 UJ	9.5 B	5.94 U	80.77 J	20.19 U	2,000 UJ
Carbon Disulfide	75-15-0	0.05 UJ	0.47 U	0.05 U	0.47 UJ	0.05 U	0.05 U	0.05 UJ	0.47 U	200 UJ
Methyl tert-Butyl Ether	1634-04-4	0.06 UJ	0.61 U	0.06 U	0.61 UJ	0.06 U	0.06 U	0.06 UJ	0.61 U	200 UJ
Methylene Chloride	75-09-2	1.04 J	6.6 J	2.43	7.64 J	3.47	2.78	1.39 J	4.52 J	200 UJ
Allyl Chloride	107-05-1	0.19 UJ	1.91 U	0.19 U	1.91 UJ	0.19 U	0.19 U	0.19 UJ	1.91 U	200 UJ
trans-1,2-Dichloroethene	156-60-5	0.12 UJ	1.23 U	0.12 U	1.23 UJ	0.12 U	0.12 U	0.12 UJ	1.23 U	200 UJ
1,1-Dichloroethane	75-34-3	0.1 UJ	0.97 U	0.1 U	0.97 UJ	0.1 U	0.1 U	0.1 UJ	0.97 U	200 UJ
Cyclohexane	110-82-7	0.69 J	0.41 U	0.04 U	0.41 UJ	0.04 U	0.04 U	0.04 UJ	0.41 U	200 UJ
2-Butanone	78-93-3	2.36 J	5.9 J	0.59 J	7.08 J	1.18 J	1.18 J	17.99 J	7.37 J	200 UJ
Carbon Tetrachloride	56-23-5	0.63 J	1.07 U	0.38 J	1.07 UJ	0.38 J	0.5 J	0.11 UJ	1.07 U	40 UJ
cis-1,2-Dichloroethene	156-59-2	0.14 UJ	1.39 U	0.14 U	1.39 UJ	0.14 U	0.14 U	0.14 UJ	1.39 U	200 UJ
Chloroform	67-66-3	0.15 UJ	1.51 U	0.15 U	1.51 UJ	0.15 U	0.15 U	0.15 UJ	1.51 U	200 UJ
1,4-Dioxane	123-91-1	0.25 UJ	2.5 U	1.8 U	18.02 UJ	1.8 U	0.36 U	1.8 UJ	2.5 U	200 UJ
1,1,1-Trichloroethane	71-55-6	0.12 UJ	1.2 U	0.12 U	8.18 J	8.73	0.12 U	0.12 UJ	1.2 U	200 UJ
Tetrahydrofuran	109-99-9	0.53 UJ	5.29 U	0.53 U	5.29 UJ	0.53 U	0.53 U	0.53 UJ	5.29 U	200 UJ
2,2,4-Trimethylpentane	540-84-1	0.12 UJ	1.17 U	0.47 J	1.17 UJ	0.12 U	0.12 U	0.12 UJ	1.17 U	200 UJ
Benzene	71-43-2	1.28 J	1.41 U	0.96 J	1.41 UJ	0.64 J	0.64 J	0.96 J	1.41 U	200 UJ
1,2-Dichloroethane	107-06-2	0.2 UJ	2.02 U	0.2 U	2.02 UJ	0.2 U	0.2 U	0.81 J	2.02 U	200 UJ
Trichloroethene	79-01-6	0.22 UJ	2.2 U	0.22 U	2.2 UJ	0.22 U	0.22 U	0.22 UJ	161.76	160 J
1,2-Dichloropropane	78-87-5	0.22 UJ	2.22 U	0.22 U	2.22 UJ	0.22 U	0.22 U	2.77 J	2.22 U	200 UJ
Bromodichloromethane	75-27-4	0.33 UJ	3.35 U	0.33 U	3.35 UJ	0.33 U	0.33 U	0.33 UJ	3.35 U	200 UJ
4-Methyl-2-Pentanone	108-10-1	0.2 UJ	2.05 U	0.2 U	2.05 UJ	0.2 U	0.2 U	0.2 UJ	2.05 U	200 UJ
Toluene	108-88-3	3.77 J	1.81 U	0.18 U	1.81 UJ	1.13 J	3.01 J	97.98 J	1.81 U	200 UJ
t-1,3-Dichloropropene	10061-02-6	0.26 UJ	2.59 U	2.27 U	2.59 UJ	2.59 U	0.26 U	2.27 UJ	2.59 U	200 UJ
cis-1,3-Dichloropropene	10061-01-5	0.23 UJ	2.27 U	0.23 U	2.27 UJ	0.23 U	0.23 U	0.23 UJ	2.27 U	200 UJ
1,1,2-Trichloroethane	79-00-5	0.24 UJ	2.4 U	0.24 U	2.4 UJ	0.24 U	0.24 U	0.24 UJ	2.4 U	200 UJ
Dibromochloromethane	124-48-1	0.22 UJ	2.22 U	0.22 U	2.22 UJ	0.22 U	0.22 U	0.22 UJ	2.22 U	200 UJ
1,2-Dibromoethane	106-93-4	1 UJ	9.99 U	1 U	9.99 UJ	1 U	1 U	1 UJ	9.99 U	200 UJ
Tetrachloroethene	127-18-4	66.86 J	107.14	2.78 J	78.66 J	0.33 U	0.33 U	13.77 J	53571.37 J	30,000 J
Chlorobenzene	108-90-7	0.12 UJ	1.2 U	0.12 U	1.2 UJ	0.12 U	0.12 U	0.12 UJ	1.2 U	200 UJ
Ethyl Benzene	100-41-4	3.47 J	0.78 U	1.3 J	0.78 UJ	2.17 U	0.08 U	0.87 J	0.78 U	200 UJ
m/p-Xylene	126777-61-2	9.99 J	1.87 U	0.87 J	1.87 UJ	2.17 UJ	0.43 J	0.87 J	1.87 U	200 UJ
o-Xylene	95-47-6	2.17 J	1.04 U	0.43 J	1.04 UJ	2.17 U	0.1 U	0.43 J	1.04 U	200 UJ
Styrene	100-42-5	0.43 J	2.64 U	2.13 UJ	2.64 UJ	2.13 UJ	0.26 U	0.43 J	2.64 U	200 UJ
Bromoform	75-25-2	0.16 UJ	1.55 U	0.16 U	1.55 UJ	0.16 U	0.16 U	0.16 UJ	1.55 U	200 UJ
1,1,2,2-Tetrachloroethane	79-34-5	0.16 UJ	1.65 U	0.16 U	1.65 UJ	0.16 U	0.16 U	0.16 UJ	1.65 U	200 UJ
2-Chlorotoluene	95-49-8	0 UJ	0.02 U	2.59 U	0.02 UJ	2.59 U	0 U	2.59 UJ	0.02 U	
1,3,5-Trimethylbenzene	108-67-8	0.98 J	1.72 U	2.46 U	1.72 UJ	2.46 U	0.17 U	2.46 UJ	1.72 U	200 UJ
1,2,4-Trimethylbenzene	95-63-6	1.47 J	1.18 U	0.12 U	1.18 UJ	0.12 U	0.12 U	0.12 UJ	1.18 U	200 UJ
4-Ethyltoluene	622-96-8	0.98 J	24.58 U	0.13 U	24.58 UJ	0.13 U	2.46 U	0.13 UJ	24.58 U	200 UJ
1,3-Dichlorobenzene	541-73-1	0.1 UJ	1.02 U	3.01 U	1.02 UJ	3.01 U	0.1 U	3.01 UJ	1.02 U	200 UJ
1,4-Dichlorobenzene	106-46-7	0.15 UJ	1.5 U	3.01 U	1.5 UJ	3.01 U	0.15 U	3.01 UJ	1.5 U	200 UJ
1,2-Dichlorobenzene	95-50-1	0.13 UJ	1.32 U	0.13 U	1.32 UJ	0.13 U	0.13 U	0.13 UJ	1.32 U	200 UJ
1,2,4-Trichlorobenzene	120-82-1	0.26 UJ	2.6 U	0.26 U	2.6 UJ	0.26 U	0.26 U	0.26 UJ	2.6 U	200 UJ
Hexachloro-1,3-Butadiene	87-68-3	0.23 UJ	2.35 U	0.23 UJ	2.35 UJ	0.23 U	0.23 U	0.23 UJ	2.35 U	200 UJ
1,3-Butadiene	106-99-0	0.08 UJ	0.8 U	0.08 U	0.8 UJ	0.08 UJ	0.08 U	0.08 UJ	0.8 U	200 UJ
Hexane	110-54-3	0.09 UJ	0.92 U	0.09 U	0.92 UJ	0.09 U	0.09 U	0.09 UJ	0.92 U	200 UJ

Notes:
Concentrations are in $\mu g/m^3$.
U - Not detected. MDL provided.
D - Result from analysis of a diluted sample.
B- Analyte was detected in the method blank.

Table 5A
Munsey Cleaners OU-2
Validated Indoor Air and Sub-Slab Vapor Analytical Results
March 2008

	Sample ID	130081-SS-05	130081-SS-05	130081-BA-05	130081-BA-06	130081-SS-06	130081-SS-06	130081-SS-07	130081-BA-07	130081-BA-08	130081-SS-08	130081-SS-09	130081-BA-09
	Sampling Date	3/17/2008	5/7/2008	3/18/2008	3/18/2008	3/18/2008	5/7/2008	3/18/2008	3/18/2008	3/18/2008	3/18/2008	3/18/2008	3/18/2008
	Dilution Factor	10	1.27	1	1	10	342.5	10	1	1	10	10	1
COMPOUND	CAS #												
Dichlorodifluoromethane	75-71-8	0.84 U	2.2	1.98 J	1.98 J	5.44	170 U	0.84 UJ	1.98 J	1.98 J	0.84 U	17.31 J	1.98 J
tert-butyl alcohol	75-65-0	2.39 U	1.2	2.43	0.24 U	2.39 U	170 U	2.39 UJ	0.24 U	0.24 UJ	2.39 U	2.39 U	0.61 J
Chloromethane	74-87-3	0.52 U	0.64 U	1.24	1.45	0.52 U	170 U	0.52 UJ	0.05 U	0.83 J	0.52 U	0.52 U	1.03
Methyl Methacrylate	80-62-6	0.03 U	0.64 U	0 J	0 U	0.03 U	170 U	0.03 UJ	0 U	0 UJ	0.03 U	0.03 U	0.02
Vinyl Chloride	75-01-4	2.56 U	0.64 U	0.26 U	0.26 U	2.56 U	170 U	2.56 UJ	0.26 U	0.26 UJ	2.56 U	2.56 U	0.26 U
Bromomethane	74-83-9	0.93 U	0.64 U	0.09 UJ	0.09 UJ	0.93 U	170 U	0.93 UJ	0.09 UJ	0.09 UJ	0.93 U	0.93 U	0.09 UJ
Chloroethane	75-00-3	0.45 U	0.64 U	0.04 UJ	0.04 UJ	0.45 U	170 U	0.45 UJ	0.04 UJ	0.04 UJ	0.45 U	0.45 U	0.04 UJ
Trichlorofluoromethane	75-69-4	1.57 U	1.4	1.12	1.12 J	7.87 J	170 U	1.57 UJ	1.12 J	1.12 J	1.57 U	1.57 U	2.25 J
Dichlorotetrafluoroethane	76-14-2	1.54 U	0.64 U	0.15 U	0.15 U	1.54 U	170 U	1.54 UJ	0.15 U	0.15 UJ	1.54 U	1.54 U	0.15 U
1,1,2-Trichlorotrifluoroethane	76-13-1	1.99 U	0.64 U	0.2 U	0.2 U	1.99 U	170 U	1.99 UJ	0.2 U	0.2 UJ	1.99 U	1.99 U	0.2 U
Bromoethene	593-60-2	1.05 U		0.1 UJ	0.1 UJ	1.05 U		1.05 UJ	0.1 UJ	0.1 UJ	1.05 U	1.05 U	0.1 UJ
Heptane	142-82-5	0.98 U	0.64 U	8.61	0.1 U	6.15 J	170 U	0.98 UJ	0.1 U	0.1 UJ	0.98 U	0.98 U	0.41 J
1,1-Dichloroethene	75-35-4	0.99 U	0.64 U	0.1 U	0.1 U	0.99 U	170 U	0.99 UJ	0.1 U	0.1 UJ	0.99 U	0.99 U	0.1 U
Acetone	67-64-1	19 U	16	23.04 B	8.08 U	29.93 U	1,700 U	33.02 UJ	32.78 B	8.79 J	25.89 U	164.38 B	1258.99
Carbon Disulfide	75-15-0	0.47 U	1.0	0.05 U	0.05 U	0.47 U	170 U	0.47 UJ	0.05 U	0.05 UJ	0.47 U	0.47 U	1.56
Methyl tert-Butyl Ether	1634-04-4	0.61 U	0.64 U	0.06 U	0.06 U	0.61 U	170 U	0.61 UJ	0.06 U	0.06 UJ	0.61 U	0.61 U	0.06 U
Methylene Chloride	75-09-2	4.17 J	0.64 U	2.43	2.78	5.56 J	170 U	4.17 J	1.39 J	2.43 J	4.52	27.1	2.43
Allyl Chloride	107-05-1	1.91 U	0.64 U	0.19 U	0.19 U	1.91 U	170 U	1.91 UJ	0.19 U	0.19 UJ	1.91 U	1.91 U	0.19 U
trans-1,2-Dichloroethene	156-60-5	1.23 U	0.64 U	0.12 U	0.12 U	5.95 J	170 U	1.23 UJ	0.12 U	0.12 UJ	1.23 U	1.23 U	0.12 U
1,1-Dichloroethane	75-34-3	0.97 U	0.64 U	0.1 U	0.1 U	7.29 J	170 U	0.97 UJ	0.1 U	0.1 UJ	0.97 U	0.97 U	0.1 U
Cyclohexane	110-82-7	0.41 U	0.64 U	0.04 U	0.04 U	0.41 U	170 U	0.41 UJ	0.04 U	0.04 UJ	0.41 U	0.41 U	0.04 U
2-Butanone	78-93-3	6.78 J	2.6	9.44 J	1.18 J	9.73 J	170 U	9.73 J	1.77 J	1.18 J	14.16 J	20.06 J	1.77 J
Carbon Tetrachloride	56-23-5	1.07 U	0.13 U	0.44 J	0.44 J	1.07 U	34 U	1.07 UJ	0.11 U	0.44 J	1.07 U	1.07 U	0.44 J
cis-1,2-Dichloroethene	156-59-2	1.39 U	0.64 U	0.14 U	0.14 U	200.22	170 U	1.39 UJ	0.14 U	0.14 UJ	1.39 U	1.39 U	0.14 U
Chloroform	67-66-3	1.51 U	0.64 U	0.15 U	0.49 J	188.99	170 U	8.3 J	1.47 J	0.15 UJ	1.51 U	1.51 U	0.98 J
1,4-Dioxane	123-91-1	2.5 U	0.64 U	1.8 U	1.8 U	2.5 U	170 U	2.5 UJ	1.8 U	1.8 UJ	2.5 U	2.5 U	1.8 U
1,1,1-Trichloroethane	71-55-6	1.2 U	1.5	0.12 U	0.12 U	10.37 J	170 U	1.2 UJ	0.12 U	0.12 UJ	1.2 U	1.2 U	0.12 U
Tetrahydrofuran	109-99-9	5.29 U	0.64 U	5.04	0.53 U	5.29 U	170 U	5.29 UJ	0.53 U	0.53 UJ	5.29 U	5.29 U	0.53 U
2,2,4-Trimethylpentane	540-84-1	1.17 U	0.64 U	0.12 U	0.12 U	1.17 U	170 U	1.17 UJ	0.12 U	0.12 UJ	1.17 U	1.17 U	0.12 U
Benzene	71-43-2	1.41 U	0.93	1.6	1.28 J	1.41 U	170 U	1.41 UJ	1.28 J	0.96 J	1.41 U	1.41 U	2.24
1,2-Dichloroethane	107-06-2	2.02 U	0.64 U	0.2 U	0.2 U	2.02 U	170 U	5.26 J	4.45	0.2 UJ	2.02 U	2.02 U	0.2 U
Trichloroethene	79-01-6	6.99 J	1.6	0.22 U	0.22 U	1225.33	830	2.2 UJ	0.22 U	1.18 J	2.2 U	6.45 J	0.22 U
1,2-Dichloropropane	78-87-5	2.22 U	0.64 U	0.22 U	0.22 U	2.22 U	170 U	2.22 UJ	0.22 U	0.22 UJ	2.22 U	2.22 U	0.22 U
Bromodichloromethane	75-27-4	3.35 U	0.64 U	0.33 U	0.33 U	3.35 U	170 U	3.35 UJ	0.33 U	0.33 UJ	3.35 U	3.35 U	0.33 U
4-Methyl-2-Pentanone	108-10-1	2.05 U	0.64 U	0.2 U	0.2 U	2.05 U	170 U	2.05 UJ	0.2 U	0.2 UJ	2.05 U	2.05 U	0.2 U
Toluene	108-88-3	1.81 U	2.0	113.06	3.01	125.49 J	180	4.15 J	2.64	1.88 J	1.81 U	4.52 J	16.58
t-1,3-Dichloropropene	10061-02-6	2.59 U	0.64 U	2.27 U	2.27 U	2.59 U	170 U	2.59 UJ	2.27 U	2.27 UJ	2.59 U	2.59 U	2.27 U
cis-1,3-Dichloropropene	10061-01-5	2.27 U	0.64 U	0.23 U	0.23 U	2.27 U	170 U	2.27 UJ	0.23 U	0.23 UJ	2.27 U	2.27 U	0.23 U
1,1,2-Trichloroethane	79-00-5	2.4 U	0.64 U	0.24 U	0.24 U	2.4 U	170 U	2.4 UJ	0.24 U	0.24 UJ	2.4 U	2.4 U	0.24 U
Dibromochloromethane	124-48-1	2.22 U	0.64 U	0.22 U	0.22 U	2.22 U	170 U	2.22 UJ	0.22 U	0.22 UJ	2.22 U	2.22 U	0.22 U
1,2-Dibromoethane	106-93-4	9.99 U	0.64 U	1 U	1 U	9.99 U	170 U	9.99 UJ	1 U	1 UJ	9.99 U	9.99 U	1 U
Tetrachloroethene	127-18-4	2102.17	280.0	4.81	5.7	61098.49 J	39,000	314.65 J	7.87	1.29 J	739.15	632.68	1.29
Chlorobenzene	108-90-7	1.2 U	0.64 U	0.12 U	0.12 U	1.2 U	170 U	1.2 UJ	0.12 U	0.12 UJ	1.2 U	1.2 U	0.12 U
Ethyl Benzene	100-41-4	0.78 U	0.64 U	0.87 J	2.17 U	0.78 U	170 U	0.78 UJ	0.87 J	2.17 UJ	0.78 U	0.78 U	2.17 U
m/p-Xylene	126777-61-2	1.87 U	1.6	1.3 J	2.17 J	1.87 U	250	6.08 J	1.74 J	2.17 UJ	1.87 U	1.87 U	2.17 U
o-Xylene	95-47-6	1.04 U	0.64 U	0.87 J	2.17 U	1.04 U	170 U	1.04 UJ	1.3 J	2.17 UJ	1.04 U	1.04 U	2.17 U
Styrene	100-42-5	2.64 U	0.64 U	0.85 J	2.13 UJ	2.64 U	170 U	2.64 UJ	1.28 J	2.13 UJ	2.64 U	2.64 U	2.13 U
Bromoform	75-25-2	1.55 U	0.64 U	0.16 U	0.16 U	1.55 U	170 U	1.55 UJ	0.16 U	0.16 UJ	1.55 U	1.55 U	0.16 U
1,1,2,2-Tetrachloroethane	79-34-5	1.65 U	0.64 U	0.16 U	0.16 U	1.65 U	170 U	1.65 UJ	0.16 U	0.16 UJ	1.65 U	1.65 U	0.16 U
2-Chlorotoluene	95-49-8	0.02 U		2.59 U	2.59 U	0.02 U		0.02 UJ	2.59 U	2.59 UJ	0.02 U	0.02 U	2.59 U
1,3,5-Trimethylbenzene	108-67-8	1.72 U	0.64 U	2.46 U	2.46 U	1.72 U	170 U	1.72 UJ	1.97 J	2.46 UJ	1.72 U	1.72 U	2.46 U
1,2,4-Trimethylbenzene	95-63-6	1.18 U	0.82	0.12 U	0.12 U	1.18 U	170 U	7.87 J	8.36	0.12 UJ	1.18 U	1.18 U	0.12 U
4-Ethyltoluene	622-96-8	24.58 U	0.64 U	0.13 U	0.13 U	24.58 U	170 U	1.28 UJ	1.47 J	0.13 UJ	1.28 U	1.28 U	0.13 U
1,3-Dichlorobenzene	541-73-1	1.02 U	0.64 U	3.01 U	3.01 U	1.02 U	170 U	1.02 UJ	3.01 U	3.01 UJ	1.02 U	1.02 U	3.01 U
1,4-Dichlorobenzene	106-46-7	1.5 U	0.64 U	3.01 U	3.01 U	1.5 U	170 U	1.5 UJ	3.01 U	3.01 UJ	1.5 U	1.5 U	3.01 U
1,2-Dichlorobenzene	95-50-1	1.32 U	0.64 U	0.13 U	0.13 U	1.32 U	170 U	1.32 UJ	0.13 U	0.13 UJ	1.32 U	1.32 U	0.13 U
1,2,4-Trichlorobenzene	120-82-1	2.6 U	0.64 U	0.26 U	0.26 U	2.6 U	170 U	2.6 UJ	0.26 U	0.26 UJ	2.6 U	2.6 U	0.26 U
Hexachloro-1,3-Butadiene	87-68-3	2.35 U	0.64 U	0.23 U	0.23 U	2.35 U	170 U	2.35 UJ	0.23 U	0.23 UJ	2.35 U	2.35 U	0.23 U
1,3-Butadiene	106-99-0	0.8 U	0.64 U	0.08 UJ	0.08 UJ	0.8 U	170 U	0.8 UJ	0.08 UJ	0.08 UJ	0.8 U	0.8 U	0.08 UJ
Hexane	110-54-3	0.92 U	0.75	0.09 U	0.09 U	0.92 U	170 U	0.92 UJ	0.09 U	0.09 UJ	0.92 U	0.92 U	0.09 U

Notes:
Concentrations are in $\mu g/m^3$.
U - Not detected. MDL provided.
D - Result from analysis of a diluted sample.
B- Analyte was detected in the method blank.

Table 5A
Munsey Cleaners OU-2
Validated Indoor Air and Sub-Slab Vapor Analytical Results
March 2008

	Sample ID	130081-BA-10	130081-BA-10	130081-SS-10	130081-SS-10	20080507-FD-1	130081-SS-11	130081-OA-11	130081-BA-11	130081-BA-12	130081-BA-12	130081-OA-12	130081-SS-12
	Sampling Date	3/18/2008	3/18/2008	3/19/2008	5/7/2008	5/7/2008	3/20/2008	3/20/2008	3/19/2008	3/20/2008	3/20/2008	3/20/2008	3/20/2008
	Dilution Factor	1	1	10	2.7	6.85	10	1	1	1	1	1	10
COMPOUND	CAS #		(Field Dup 1)								(Field Dup 2)		
Dichlorodifluoromethane	75-71-8	1.98 J	1.98 J	4.94 J	2.6	3.4 U	0.84 U	1.98 J	1.98 J	2.47 J	1.98 J	1.98 J	14.83 J
tert-butyl alcohol	75-65-0	0.91 J	0.91 J	2.39 U	1.4 U	3.4 U	2.39 U	0.24 UJ	0.24 UJ	0.3 J	0.24 U	0.24 U	2.39 U
Chloromethane	74-87-3	1.03	1.03	0.52 U	1.4 U	3.4 U	0.52 U	1.03 J	1.03 J	1.03 J	1.03	1.03	0.52 U
Methyl Methacrylate	80-62-6	0 U	0 U	0.03 U	1.4 U	3.4 U	0.03 U	0 UJ	0 UJ	0 UJ	0 U	0 U	0.03 U
Vinyl Chloride	75-01-4	0.26 U	0.26 U	2.56 U	1.4 U	3.4 U	2.56 U	0.06 UJ	0.26 UJ	0.26 UJ	0.26 U	0.26 U	2.56 U
Bromomethane	74-83-9	0.09 UJ	0.09 UJ	0.93 U	1.4 U	3.4 U	0.93 U	0.09 UJ	0.09 UJ	0.09 UJ	0.09 U	0.09 U	0.93 U
Chloroethane	75-00-3	0.04 UJ	0.04 UJ	0.45 U	1.4 U	3.4 U	0.45 U	0.04 UJ	0.04 UJ	0.04 UJ	0.04 U	0.04 U	0.45 U
Trichlorofluoromethane	75-69-4	1.12 J	1.12 J	1.57 U	1.4 U	3.4 U	1.57 U	0.16 UJ	0.16 UJ	0.16 UJ	0.16 U	1.12 J	1.57 U
Dichlorotetrafluoroethane	76-14-2	0.15 U	0.15 U	1.54 U	1.4 U	3.4 U	1.54 U	0.15 UJ	0.15 UJ	0.15 UJ	0.15 U	0.15 U	1.54 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.2 U	0.2 U	1.99 U	1.4 U	3.4 U	1.99 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	1.99 U
Bromoethene	593-60-2	0.1 UJ	0.1 UJ	1.05 U			1.05 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	1.05 U
Heptane	142-82-5	0.41 J	0.41 J	0.98 U	1.4 U	3.4 U	0.98 U	0.1 UJ	0.82 J	1.64 J	0.82 J	0.82 J	0.98 U
1,1-Dichloroethene	75-35-4	0.1 U	0.1 U	0.99 U	1.4 U	3.4 U	0.99 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.99 U
Acetone	67-64-1	14.25 B	14.97 B	129.23 B	14	34 U	18.29 U	5.23 UJ	4.75 UJ	7.84 UJ	7.13 U	2.61 U	21.14 U
Carbon Disulfide	75-15-0	0.05 U	0.05 U	0.47 U	1.4 U	3.4 U	0.47 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.47 U
Methyl tert-Butyl Ether	1634-04-4	0.06 U	0.06 U	31.01	16	16	0.61 U	0.06 UJ	0.06 UJ	0.06 UJ	0.06 U	0.06 U	0.61 U
Methylene Chloride	75-09-2	4.52	3.82	6.25 J	1.4 U	3.4 U	0.52 U	2.43 J	9.38 J	1.39 J	6.95 J	3.47	19.8
Allyl Chloride	107-05-1	0.19 U	0.19 U	1.91 U	1.4 U	3.4 U	1.91 U	0.19 UJ	0.19 UJ	0.19 UJ	0.19 U	0.19 U	1.91 U
trans-1,2-Dichloroethene	156-60-5	0.12 U	0.12 U	1.23 U	1.4 U	3.4 U	1.23 U	0.12 UJ	0.12 UJ	0.12 UJ	0.12 U	0.12 U	1.23 U
1,1-Dichloroethane	75-34-3	0.1 U	0.1 U	0.97 U	1.4 U	3.4 U	0.97 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.97 U
Cyclohexane	110-82-7	0.04 U	0.04 U	0.41 U	1.4 U	3.4 U	0.41 U	0.04 UJ	0.04 UJ	0.04 UJ	0.04 U	0.04 U	0.41 U
2-Butanone	78-93-3	2.36 J	2.36 J	20.35 J	1.4 U	3.4 U	6.49 U	1.18 UJ	1.18 UJ	3.24 UJ	2.65 U	2.06 U	9.14 J
Carbon Tetrachloride	56-23-5	0.44 J	0.11 U	1.07 U	0.27 U	0.69 U	1.07 U	0.44 J	0.44 J	0.44 J	0.11 UJ	0.38 J	1.07 U
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14 U	1.39 U	1.4 U	3.4 U	1.39 U	0.14 UJ	0.14 UJ	0.14 UJ	0.14 U	0.14 U	1.39 U
Chloroform	67-66-3	0.15 U	0.15 U	1.51 U	1.4 U	3.4 U	1.51 U	0.15 UJ	0.15 UJ	0.15 UJ	0.15 U	0.15 U	1.51 U
1,4-Dioxane	123-91-1	1.8 U	1.8 U	2.5 U	1.4 U	3.4 U	2.5 U	0.25 UJ	0.25 UJ	0.25 UJ	0.25 U	0.25 U	2.5 U
1,1,1-Trichloroethane	71-55-6	0.12 U	0.12 U	1.2 U	1.4 U	3.4 U	1.2 U	0.12 UJ	0.12 UJ	0.12 UJ	0.12 U	0.12 U	1.2 U
Tetrahydrofuran	109-99-9	0.53 U	0.53 U	5.29 U	1.4 U	3.4 U	5.29 U	0.53 UJ	0.53 UJ	0.53 UJ	0.53 U	0.53 U	5.29 U
2,2,4-Trimethylpentane	540-84-1	0.12 U	0.12 U	1.17 U	1.4 U	3.4 U	1.17 U	0.12 UJ	0.93 J	1.87 J	2.34	1.4 J	1.17 U
Benzene	71-43-2	0.64 J	0.96 J	1.41 U	1.4 U	3.4 U	1.41 U	0.96 J	2.24 J	0.96 J	0.96 J	0.96 J	1.41 U
1,2-Dichloroethane	107-06-2	0.2 U	0.2 U	2.02 U	1.4 U	3.4 U	2.02 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	2.02 U
Trichloroethene	79-01-6	0.38 J	0.43 J	46.22	48	3.4 U	2.2 U	0.22 UJ	0.86 J	0.22 UJ	0.22 U	0.22 U	11.82 J
1,2-Dichloropropane	78-87-5	0.22 U	0.22 U	2.22 U	1.4 U	3.4 U	2.22 U	0.22 UJ	0.22 UJ	0.22 UJ	0.22 U	0.22 U	2.22 U
Bromodichloromethane	75-27-4	0.33 U	0.33 U	3.35 U	1.4 U	3.4 U	3.35 U	0.33 UJ	0.33 UJ	0.33 UJ	0.33 U	0.33 U	3.35 U
4-Methyl-2-Pentanone	108-10-1	0.2 U	0.2 U	2.05 U	1.4 U	3.4 U	2.05 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	2.05 U
Toluene	108-88-3	5.28	6.03	1.81 U	1.9	3.4 U	1.81 U	1.51 J	5.28 J	19.97 J	14.32	11.31	24.5
t-1,3-Dichloropropene	10061-02-6	2.27 U	2.27 U	2.59 U	1.4 U	3.4 U	2.59 U	0.26 UJ	0.26 UJ	0.26 UJ	0.26 U	0.26 U	22.7 U
cis-1,3-Dichloropropene	10061-01-5	0.23 U	0.23 U	2.27 U	1.4 U	3.4 U	2.27 U	0.23 UJ	0.23 UJ	0.23 UJ	0.23 U	0.23 U	2.27 U
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24 U	2.4 U	1.4 U	3.4 U	2.4 U	0.24 UJ	0.24 UJ	0.24 UJ	0.24 U	0.24 U	2.4 U
Dibromochloromethane	124-48-1	0.22 U	0.22 U	2.22 U	1.4 U	3.4 U	2.22 U	0.22 UJ	0.22 UJ	0.22 UJ	0.22 U	0.22 U	2.22 U
1,2-Dibromoethane	106-93-4	1 U	1 U	9.99 U	1.4 U	3.4 U	9.99 U	1 UJ	1 UJ	1 UJ	1 U	1 U	9.99 U
Tetrachloroethene	127-18-4	3.59	3.87	3661.84 J	2,600	2,700	990.05	0.33 UJ	2.37 J	1.15 J	0.81 J	0.68 U	1627.48
Chlorobenzene	108-90-7	0.12 U	0.12 U	1.2 U	1.4 U	3.4 U	1.2 U	0.12 UJ	0.12 UJ	0.12 UJ	0.12 U	0.12 U	1.2 U
Ethyl Benzene	100-41-4	1.74 J	2.17	0.78 U	1.4 U	3.4 U	0.78 U	0.08 UJ	0.43 J	23.46 J	3.04 J	2.61	35.18
m/p-Xylene	126777-61-2	3.04 J	3.47 J	1.87 U	1.9	3.4 U	1.87 U	0.43 J	3.04 J	72.1 J	4.78 J	4.78	74.71
o-Xylene	95-47-6	1.74 J	1.74 J	1.04 U	1.4 U	3.4 U	1.04 U	0.1 UJ	0.87 J	12.6 J	0.87 J	0.87 J	12.16 J
Styrene	100-42-5	0.43 J	0.85 J	2.64 U	1.4 U	3.4 U	2.64 U	0.26 UJ	0.26 UJ	0.85 J	0.26 U	0.26 U	2.64 U
Bromoform	75-25-2	0.16 U	0.16 U	1.55 U	1.4 U	3.4 U	1.55 U	0.16 UJ	0.16 UJ	0.16 UJ	0.16 U	0.16 U	1.55 U
1,1,2,2-Tetrachloroethane	79-34-5	0.16 U	0.16 U	1.65 U	1.4 U	3.4 U	1.65 U	0.16 UJ	0.16 UJ	0.16 UJ	0.16 U	0.16 U	34.34 U
2-Chlorotoluene	95-49-8	0.02 J	0.02	0.02 U			0.02 U	0 UJ	0 UJ	0 UJ	0 U	0 U	0.02 U
1,3,5-Trimethylbenzene	108-67-8	2.46 U	2.46 U	1.72 U	1.4 U	3.4 U	1.72 U	0.17 UJ	0.17 UJ	3.93 J	0.17 UJ	0.17 U	1.72 U
1,2,4-Trimethylbenzene	95-63-6	0.12 U	0.12 U	4.92 J	1.4 U	3.4 U	1.18 UJ	0.12 UJ	0.12 UJ	17.21 J	0.12 UJ	0.12 UJ	1.18 U
4-Ethyltoluene	622-96-8	0.13 U	0.13 U	1.28 U	1.4 U	3.4 U	1.28 U	0.13 UJ	0.13 UJ	2.95 J	0.13 UJ	0.13 U	1.28 U
1,3-Dichlorobenzene	541-73-1	3.01 U	3.01 U	1.02 U	1.4 U	3.4 U	1.02 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	1.02 U
1,4-Dichlorobenzene	106-46-7	3.01 U	3.01 U	1.5 U	1.4 U	3.4 U	1.5 U	0.15 UJ	0.15 UJ	1.8 J	2.4 J	0.15 U	1.5 U
1,2-Dichlorobenzene	95-50-1	0.13 U	0.13 U	1.32 U	1.4 U	3.4 U	1.32 U	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U	0.13 U	1.32 U
1,2,4-Trichlorobenzene	120-82-1	0.26 U	0.26 U	2.6 U	1.4 U	3.4 U	2.6 U	0.26 UJ	0.26 UJ	0.26 UJ	0.26 U	0.26 U	2.6 U
Hexachloro-1,3-Butadiene	87-68-3	0.23 U	0.23 U	2.35 U	1.4 U	3.4 U	2.35 U	0.23 UJ	0.23 UJ	0.23 UJ	0.23 U	0.23 U	2.35 U
1,3-Butadiene	106-99-0	0.08 UJ	0.08 J	0.8 U	1.4 U	3.4 U	0.8 U	0.08 UJ	0.08 UJ	0.08 UJ	0.08 U	0.08 U	0.8 U
Hexane	110-54-3	0.09 U	0.09 U	0.92 U	1.4 U	3.4 U	0.92 U	0.09 UJ	0.09 UJ	0.09 UJ	0.09 U	0.09 U	0.92 U

Notes:

Concentrations are in $\mu g/m^3$.

U - Not detected. MDL provided.

D - Result from analysis of a diluted sample.

B- Analyte was detected in the method blank.

Table 5B
Munsey Cleaners OU-2
Validated Indoor Air and Sub-Slab Vapor Analytical Results
January 2010

	Sample ID	130081-SS-13	130081-SS-13 Lab Dup.	130081-BA-13	130081-SS-14	130081-BA-14	130081-SS-15	130081-BA-15	130081-SS-16	130081-SS-16 Lab Dup.	130081-BA-16	130081-OA-16
	Sampling Date	01/26/2010	01/26/2010	01/26/2010	01/26/2010	01/26/2010	01/26/2010	01/26/2010	01/26/2010	01/26/2010	01/26/2010	01/26/2010
	Dilution Factor	1.71	1.71	1.83	1.61	1.58	1.58	1.55	2.98	2.98	1.58	1.52
COMPOUND	CAS #											
Freon 12	75-71-8	1.9	1.8	1.9	2.3	1.9	2.4	1.5	1.8	1.6	1.9	1.8
Freon 114	76-14-2	1.2 U	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	2.1 U	2.1 U	1.1 U	1.1 U
Chloromethane	74-87-3	0.35 U	0.35 U	0.75	0.33 U	0.93	0.33 U	0.70	0.62 U	0.62 U	1.1	0.85
Vinyl Chloride	75-01-4	0.44 U	0.44 U	0.47 U	0.41 U	0.40 U	0.40 U	0.40 U	0.76 U	0.76 U	0.40 U	0.39 U
Bromomethane	74-83-9	0.66 U	0.66 U	0.71 U	0.62 U	0.61 U	0.61 U	0.60 U	1.2 U	1.2 U	0.61 U	0.59 U
Chloroethane	75-00-3	0.45 U	0.45 U	0.48 U	0.42 U	0.42 U	0.42 U	0.41 U	0.79 U	0.79 U	0.42 U	0.40 U
Freon 11	75-69-4	1.0	1.0	1.1	0.99	0.99	1.0	0.87 U	1.7 U	1.7 U	0.90	0.93
Ethanol	64-17-5	2.8	2.5	99	2.6	59	3.6	8.3	2.8 U	2.8 U	14	4.7
Freon 113	76-13-1	1.3 U	1.3 U	1.4 U	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	2.3 U	1.2 U	1.2 U
1,1-Dichloroethene	75-35-4	0.68 U	0.68 U	0.72 U	0.64 U	0.63 U	0.63 U	0.61 U	1.2 U	1.2 U	0.63 U	0.60 U
Methylene Chloride	75-09-2	1.2 U	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	2.1 U	2.1 U	1.1 U	1.0 U
Methyl tert-butyl ether	1634-04-4	0.62 U	0.62 U	0.66 U	0.58 U	0.57 U	0.57 U	0.56 U	1.1 U	1.1 U	0.57 U	0.55 U
trans-1,2-Dichloroethene	156-60-5	0.68 U	0.68 U	0.72 U	0.64 U	0.63 U	0.63 U	0.61 U	1.2 U	1.2 U	0.63 U	0.60 U
Hexane	110-54-3	0.60 U	0.60 U	7.4	0.57 U	0.56 U	0.56 U	0.55 U	1.0 U	1.0 U	0.60	0.64
1,1-Dichloroethane	75-34-3	0.69 U	0.69 U	0.74 U	0.65 U	0.64 U	0.64 U	0.63 U	1.2 U	1.2 U	0.64 U	0.62 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.4	1.3	2.2	3.0	1.7	5.4	1.1	2.6	2.3	5.5	1.4
cis-1,2-Dichloroethene	156-59-2	0.68 U	0.68 U	0.72 U	0.64 U	0.63 U	0.63 U	0.61 U	1.2 U	1.2 U	0.63 U	0.60 U
Chloroform	67-66-3	0.83 U	0.83 U	0.89 U	0.91	0.77 U	0.77 U	0.76 U	1.4 U	1.4 U	0.77 U	0.74 U
1,1,1-Trichloroethane	71-55-6	0.93 U	0.93 U	1.0 U	1.4	0.86 U	2.2	0.84 U	1.6 U	1.6 U	0.86 U	0.83 U
Cyclohexane	110-82-7	0.59 U	0.59 U	1.2	0.55 U	0.54 U	0.54 U	0.53 U	1.0 U	1.0 U	0.54 U	0.52 U
Benzene	71-43-2	0.55 U	0.55 U	3.8 NJ	0.51 U	0.87 NJ	0.52 NJ	0.53 NJ	0.95 U	0.95 U	0.71 NJ	0.72 NJ
1,2-Dichloroethane	107-06-2	0.69 U	0.69 U	0.74 U	0.65 U	0.64 U	0.64 U	0.63 U	1.2 U	1.2 U	0.64 U	0.62 U
1,2-Dichloropropane	78-87-5	0.79 U	0.79 U	0.84 U	0.74 U	0.73 U	0.73 U	0.72 U	1.4 U	1.4 U	0.73 U	0.70 U
1,4-Dioxane	123-91-1	0.62 U	0.62 U	0.66 U	0.58 U	0.57 U	0.57 U	0.56 U	1.1 U	1.1 U	0.57 U	0.55 U
Bromodichloromethane	75-27-4	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	10061-01-5	0.78 U	0.78 U	0.83 U	0.73 U	0.72 U	0.72 U	0.70 U	1.4 U	1.4 U	0.72 U	0.69 U
4-Methyl-2-pentanone	108-10-1	0.70 U	0.70 U	0.75 U	0.66 U	0.65 U	0.65 U	0.63 U	1.2 U	1.2 U	0.65 U	0.62 U
Toluene	108-88-3	1.4	1.4	22	0.86	1.4	3.4	1.0	5.4	5.0	2.8	2.4
trans-1,3-Dichloropropene	10061-02-6	0.78 U	0.78 U	0.83 U	0.73 U	0.72 U	0.72 U	0.70 U	1.4 U	1.4 U	0.72 U	0.69 U
1,1,2-Trichloroethane	79-00-5	0.93 U	0.93 U	1.0 U	0.88 U	0.86 U	0.86 U	0.84 U	1.6 U	1.6 U	0.86 U	0.83 U
Tetrachloroethene	127-18-4	1.2 U	1.2 U	1.2 U	33	1.1 U	7.8	1.0 U	340	330	1.1 U	1.0 U
Dibromochloromethane	124-48-1	1.4 U	1.4 U	1.6 U	1.4 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	1.3 U	1.3 U
1,2-Dibromoethane (EDB)	106-93-4	1.3 U	1.3 U	1.4 U	1.2 U	1.2 U	1.2 U	1.2 U	2.3 U	2.3 U	1.2 U	1.2 U
Chlorobenzene	108-90-7	0.79 U	0.79 U	0.84 U	0.74 U	0.73 U	0.73 U	0.71 U	1.4 U	1.4 U	0.73 U	0.70 U
Ethyl Benzene	100-41-4	0.74 U	0.74 U	4.5	0.70 U	0.69 U	0.69 U	0.67 U	1.3 U	1.3 U	0.77	0.90
m,p-Xylene	108-38-3/106-42-3	0.74 U	0.74 U	17	0.70 U	0.91	0.78	0.67 U	1.3 U	1.3 U	2.3	3.2
o-Xylene	95-47-6	0.74 U	0.74 U	6.9	0.70 U	0.69 U	0.69 U	0.67 U	1.3 U	1.3 U	0.69 U	1.5
Styrene	100-42-5	0.73 U	0.73 U	0.78 U	0.68 U	0.67 U	0.67 U	0.66 U	1.3 U	1.3 U	0.67 U	0.65 U
Bromoform	75-25-2	1.8 U	1.8 U	1.9 U	1.7 U	1.6 U	1.6 U	1.6 U	3.1 U	3.1 U	1.6 U	1.6 U
1,1,2,2-Tetrachloroethane	79-34-5	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	2.0 U	2.0 U	1.1 U	1.0 U
1,3,5-Trimethylbenzene	108-67-8	0.84 U	0.84 U	0.90 U	0.79 U	0.78 U	0.78 U	0.76 U	1.5 U	1.5 U	0.78 U	0.75 U
1,2,4-Trimethylbenzene	95-63-6	0.84 U	0.84 U	3.2	0.79 U	0.94	0.78 U	0.76 U	1.5 U	1.5 U	0.78 U	1.3
1,3-Dichlorobenzene	541-73-1	1.0 U	1.0 U	1.1 U	0.97 U	0.95 U	0.95 U	0.93 U	1.8 U	1.8 U	0.95 U	0.91 U
1,4-Dichlorobenzene	106-46-7	1.0 U	1.0 U	1.1 U	0.97 U	0.95 U	0.95 U	0.93 U	1.8 U	1.8 U	0.95 U	0.91 U
alpha-Chlorotoluene	100-44-7	0.88 U	0.88 U	0.95 U	0.83 U	0.82 U	0.82 U	0.80 U	1.5 U	1.5 U	0.82 U	0.79 U
1,2-Dichlorobenzene	95-50-1	1.0 U	1.0 U	1.1 U	0.97 U	0.95 U	0.95 U	0.93 U	1.8 U	1.8 U	0.95 U	0.91 U
1,2,4-Trichlorobenzene	120-82-1	6.3 U	6.3 U	6.8 U	6.0 U	5.9 U	5.9 U	5.8 U	11 U	11 U	5.9 U	5.6 U
Hexachlorobutadiene	87-68-3	9.1 U	9.1 U	9.8 U	8.6 U	8.4 U	8.4 U	8.3 U	16 U	16 U	8.4 U	8.1 U
2,2,4-Trimethylpentane	540-84-1	4.0 U	4.0 U	4.3 U	3.8 U	3.7 U	3.7 U	3.6 U	7.0 U	7.0 U	3.7 U	3.6 U
tert-Butyl alcohol	75-65-0	2.6 U	2.6 U	2.8 U	2.4 U	2.4 U	2.4 U	2.3 U	4.5 U	4.5 U	2.4 U	2.3 U
Trichloroethene	79-01-6	0.18 U	0.18 U	0.20 U	0.17 U	0.17 U	0.17 U	0.17 U	0.92	0.88	0.17 U	0.16 U
Carbon Tetrachloride	56-23-5	0.22 U	0.22 U	0.32	0.25	0.34	0.64	0.28	0.38 U	0.38 U	0.33	0.30

Notes:
Concentrations are in µg/m^3.
U - Not detected. Reporting Limit provided.
D - Result from analysis of a diluted sample.
B- Analyte was detected in the method blank.

Table 5B
Munsey Cleaners OU-2
Validated Indoor Air and Sub-Slab Vapor Analytical Results
January 2010

	Sample ID	130081-SS-17	130081-SS-17 Lab Dup.	130081-BA-17	130081-SS-18	130081-BA-18	130081-OA-18	130081-SS-19	130081-BA-19	130081-SS-20	130081-SS-20 Lab Dup.	130081-BA-20
	Sampling Date	01/27/2010	01/27/2010	01/27/2010	01/27/2010	01/28/2010	01/27/2010	01/27/2010	01/27/2010	01/27/2010	01/27/2010	01/27/2010
	Dilution Factor	1.64	1.64	1.34	1.79	1.46	2.01	1.61	1.71	1.44	1.44	1.71
COMPOUND	CAS #											
Freon 12	75-71-8	1.9	1.9	2.0 J	2.3	1.9	1.9	22	1.8	1.9	1.8	1.6
Freon 114	76-14-2	1.1 U	1.1 U	0.94 UJ	1.2 U	1.0 U	1.4 U	1.1 U	1.2 U	1.0 U	1.0 U	1.2 U
Chloromethane	74-87-3	0.34 U	0.34 U	0.97 J	0.42	0.97	0.91	0.36 NJ	0.79	0.30 U	0.30 U	0.67
Vinyl Chloride	75-01-4	0.42 U	0.42 U	0.34 UJ	0.46 U	0.37 U	0.51 U	0.41 U	0.44 U	0.37 U	0.37 U	0.44 U
Bromomethane	74-83-9	0.64 U	0.64 U	0.52 UJ	0.70 U	0.57 U	0.78 U	0.62 U	0.66 U	0.56 U	0.56 U	0.66 U
Chloroethane	75-00-3	0.43 U	0.43 U	0.35 UJ	0.47 U	0.38 U	0.53 U	0.42 U	0.45 U	0.38 U	0.38 U	0.45 U
Freon 11	75-69-4	0.97	0.92 U	1.0 J	1.1	0.94	1.1 U	1.3	0.96 U	0.86	0.86	0.96 U
Ethanol	64-17-5	3.5	3.5	8.4 J	2.7 NJ	2.7	8.2	4.2 NJ	93	2.3	2.1	21
Freon 113	76-13-1	1.2 U	1.2 U	1.0 UJ	1.4 U	1.1 U	1.5 U	1.2 U	1.3 U	1.1 U	1.1 U	1.3 U
1,1-Dichloroethene	75-35-4	0.65 U	0.65 U	0.53 UJ	0.71 U	0.58 U	0.80 U	0.64 U	0.68 U	0.57 U	0.57 U	0.68 U
Methylene Chloride	75-09-2	1.1 U	1.1 U	0.93 UJ	1.2 U	1.0 U	1.4 U	1.1 U	1.2 U	1.0 U	1.0 U	1.2 U
Methyl tert-butyl ether	1634-04-4	0.59 U	0.59 U	0.48 UJ	0.64 U	0.53 U	0.72 U	0.58 U	0.62 U	0.52 U	0.52 U	0.62 U
trans-1,2-Dichloroethene	156-60-5	0.65 U	0.65 U	0.53 UJ	0.71 U	0.58 U	0.80 U	0.64 U	0.68 U	0.57 U	0.57 U	0.68 U
Hexane	110-54-3	0.58 U	0.58 U	0.80 J	0.63 U	0.61	0.96	0.57 U	1.1	0.51 U	0.51 U	0.60 U
1,1-Dichloroethane	75-34-3	0.66 U	0.66 U	0.54 UJ	0.72 U	0.59 U	0.81 U	0.65 U	0.69 U	0.58 U	0.58 U	0.69 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	4.4	4.6	0.95 J	2.0	0.43 U	1.5	6.0	0.92	2.9	2.9	1.1
cis-1,2-Dichloroethene	156-59-2	0.65 U	0.65 U	0.53 UJ	0.71 U	0.58 U	0.80 U	0.64 U	0.68 U	0.57 U	0.57 U	0.68 U
Chloroform	67-66-3	0.80 U	0.80 U	0.65 UJ	0.87 U	0.71 U	0.98 U	0.79 U	0.83 U	0.70 U	0.70 U	0.83 U
1,1,1-Trichloroethane	71-55-6	0.89 U	0.89 U	0.73 UJ	0.98 U	0.80 U	1.1 U	0.88 U	0.96	0.78 U	0.78 U	0.93 U
Cyclohexane	110-82-7	0.56 U	0.56 U	0.46 UJ	0.62 U	0.50 U	0.69 U	0.55 U	0.59 U	0.50 U	0.50 U	0.59 U
Benzene	71-43-2	0.52 U	0.52 U	0.56 NJ	0.57 U	0.69 NJ	0.68 NJ	0.98 NJ	0.82 NJ	0.94 NJ	0.90 NJ	0.66 NJ
1,2-Dichloroethane	107-06-2	0.66 U	0.66 U	0.54 UJ	0.72 U	0.59 U	0.81 U	0.65 U	0.69 U	0.58 U	0.58 U	0.69 U
1,2-Dichloropropane	78-87-5	0.76 U	0.76 U	0.62 UJ	0.83 U	0.67 U	0.93 U	0.74 U	0.79 U	0.66 U	0.66 U	0.79 U
1,4-Dioxane	123-91-1	0.59 U	0.59 U	0.48 UJ	0.64 U	0.53 U	0.72 U	0.58 U	0.62 U	0.52 U	0.52 U	0.62 U
Bromodichloromethane	75-27-4	1.1 U	1.1 U	0.90 UJ	1.2 U	0.98 U	1.3 U	1.1 U	1.1 U	0.96 U	0.96 U	1.1 U
cis-1,3-Dichloropropene	10061-01-5	0.74 U	0.74 U	0.61 UJ	0.81 U	0.66 U	0.91 U	0.73 U	0.78 U	0.65 U	0.65 U	0.78 U
4-Methyl-2-pentanone	108-10-1	0.67 U	0.67 U	0.55 UJ	0.73 U	0.60 U	0.82 U	0.66 U	0.70 U	0.59 U	0.59 U	0.70 U
Toluene	108-88-3	1.3	1.2	0.91 J	1.1	18	1.1	1.7	1.2	1.2	1.2	0.95
trans-1,3-Dichloropropene	10061-02-6	0.74 U	0.74 U	0.61 UJ	0.81 U	0.66 U	0.91 U	0.73 U	0.78 U	0.65 U	0.65 U	0.78 U
1,1,2-Trichloroethane	79-00-5	0.89 U	0.89 U	0.73 UJ	0.98 U	0.80 U	1.1 U	0.88 U	0.93 U	0.78 U	0.78 U	0.93 U
Tetrachloroethene	127-18-4	92	92	0.91 UJ	87	0.99 U	1.4 U	9.8	1.2 U	120	120	1.2 U
Dibromochloromethane	124-48-1	1.4 U	1.4 U	1.1 UJ	1.5 U	1.2 U	1.7 U	1.4 U	1.4 U	1.2 U	1.2 U	1.4 U
1,2-Dibromoethane (EDB)	106-93-4	1.3 U	1.3 U	1.0 UJ	1.4 U	1.1 U	1.5 U	1.2 U	1.3 U	1.1 U	1.1 U	1.3 U
Chlorobenzene	108-90-7	0.76 U	0.76 U	0.62 UJ	0.82 U	0.67 U	0.92 U	0.74 U	0.79 U	0.66 U	0.66 U	0.79 U
Ethyl Benzene	100-41-4	0.71 U	0.71 U	0.58 UJ	0.78 U	3.8	0.87 U	0.70 U	0.74 U	0.62 U	0.62 U	0.74 U
m,p-Xylene	108-38-3/106-42-3	0.71 U	0.71 U	0.60 J	0.78 U	13	0.87 U	0.70 U	0.74 U	0.62 U	0.62 U	0.74 U
o-Xylene	95-47-6	0.71 U	0.71 U	0.58 UJ	0.78 U	3.1	0.87 U	0.70 U	0.74 U	0.62 U	0.62 U	0.74 U
Styrene	100-42-5	0.70 U	0.70 U	0.57 UJ	0.76 U	0.62 U	0.86 U	0.68 U	0.73 U	0.61 U	0.61 U	0.73 U
Bromoform	75-25-2	1.7 U	1.7 U	1.4 UJ	1.8 U	1.5 U	2.1 U	1.7 U	1.8 U	1.5 U	1.5 U	1.8 U
1,1,2,2-Tetrachloroethane	79-34-5	1.1 U	1.1 U	0.92 UJ	1.2 U	1.0 U	1.4 U	1.1 U	1.2 U	0.99 U	0.99 U	1.2 U
1,3,5-Trimethylbenzene	108-67-8	0.81 U	0.81 U	0.66 UJ	0.88 U	0.72 U	0.99 U	0.79 U	0.84 U	0.71 U	0.71 U	0.84 U
1,2,4-Trimethylbenzene	95-63-6	0.89	0.84	0.66 UJ	0.88 U	0.72 U	0.99 U	0.79 U	0.84 U	0.71 U	0.71 U	0.84 U
1,3-Dichlorobenzene	541-73-1	0.99 U	0.99 U	0.80 UJ	1.1 U	0.88 U	1.2 U	0.97 U	1.0 U	0.86 U	0.86 U	1.0 U
1,4-Dichlorobenzene	106-46-7	0.99 U	0.99 U	0.80 UJ	1.1 U	0.88 U	1.2 U	0.97 U	1.0 U	0.86 U	0.86 U	1.0 U
alpha-Chlorotoluene	100-44-7	0.85 U	0.85 U	0.69 UJ	0.93 U	0.76 U	1.0 U	0.83 U	0.88 U	0.74 U	0.74 U	0.88 U
1,2-Dichlorobenzene	95-50-1	0.99 U	0.99 U	0.80 UJ	1.1 U	0.88 U	1.2 U	0.97 U	1.0 U	0.86 U	0.86 U	1.0 U
1,2,4-Trichlorobenzene	120-82-1	6.1 U	6.1 U	5.0 UJ	6.6 U	5.4 U	7.4 U	6.0 U	6.3 U	5.3 U	5.3 U	6.3 U
Hexachlorobutadiene	87-68-3	8.7 U	8.7 U	7.1 UJ	9.5 U	7.8 U	11 U	8.6 U	9.1 U	7.7 U	7.7 U	9.1 U
2,2,4-Trimethylpentane	540-84-1	3.8 U	3.8 U	3.1 UJ	4.2 U	3.4 U	4.7 U	3.8 U	4.0 U	3.4 U	3.4 U	4.0 U
tert-Butyl alcohol	75-65-0	2.5 U	2.5 U	2.0 UJ	2.7 U	2.2 U	3.0 U	2.4 U	2.6 U	2.2 U	2.2 U	2.6 U
Trichloroethene	79-01-6	0.20	0.19	0.14 UJ	0.19 U	0.16 U	0.22 U	0.17 U	0.18 U	0.15 U	0.15 U	0.18 U
Carbon Tetrachloride	56-23-5	0.21 U	0.21 U	0.34 J	0.22 U	0.32	0.33	0.20 U	0.32	0.18 U	0.18 U	0.28

Notes:
Concentrations are in µg/m^3.
U - Not detected. Reporting Limit provided.
D - Result from analysis of a diluted sample.
B- Analyte was detected in the method blank.

Table 5B
Munsey Cleaners OU-2
Validated Indoor Air and Sub-Slab Vapor Analytical Results
January 2010

	Sample ID	130081-SS-21	130081-SS-21 Lab Dup.	130081-FD-012610	130081-BA-21	130081-SS-22	130081-BA-22	130081-SS-23	130081-BA-23	130081-SS-24	130081-BA-24	130081-SS-25	130081-BA-25	130081-OA-25
	Sampling Date	01/27/2010	01/27/2010	01/27/2010	01/27/2010	01/27/2010	01/27/2010	01/27/2010	01/27/2010	01/28/2010	01/28/2010	01/28/2010	01/28/2010	01/28/2010
	Dilution Factor	7.60	7.60	6.83	1.58	2.85	3.36	10.6	1.75	1.55	1.49	1.61	1.64	1.46
COMPOUND	CAS #													
Freon 12	75-71-8	6.6	6.7	6.8	2.1	6.8	2.0	230	3.4	7.7	1.9	2.0	1.9	1.8
Freon 114	76-14-2	5.3 U	5.3 U	4.8 U	1.1 U	3.0	2.3 U	7.4 U	1.2 U	1.7	1.0 U	1.1 U	1.1 U	1.0 U
Chloromethane	74-87-3	1.6 U	1.6 U	1.4 U	0.86	0.59 U	1.1 U	2.2 U	0.91	0.32 U	1 U	0.33 U	0.88	0.80
Vinyl Chloride	75-01-4	1.9 U	1.9 U	1.7 U	0.40 U	0.73 U	0.86 U	2.7 U	0.45 U	0.40 U	0.38 U	0.41 U	0.42 U	0.37 U
Bromomethane	74-83-9	3.0 U	3.0 U	2.6 U	0.61 U	1.1 U	1.3 U	4.1 U	0.68 U	0.60 U	0.58 U	0.62 U	0.64 U	0.57 U
Chloroethane	75-00-3	2.0 U	2.0 U	1.8 U	0.42 U	0.75 U	0.89 U	2.8 U	0.46 U	0.41 U	0.39 U	0.42 U	0.43 U	0.38 U
Freon 11	75-69-4	4.3 U	4.3 U	3.8 U	1.3	1.8	1.9 U	740	5.7	3.2	1.0	1.7	0.93	0.93
Ethanol	64-17-5	7.2 U	7.2 U	6.4 U	360 J	2.9 NJ	470 J	11	230 J	3.3	220 J	7.2	420 NJ	9.4
Freon 113	76-13-1	5.8 U	5.8 U	5.2 U	1.2 U	2.2 U	2.6 U	8.1 U	1.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U
1,1-Dichloroethene	75-35-4	3.0 U	3.0 U	2.7 U	0.63 U	1.1 U	1.3 U	4.2 U	0.69 U	0.61 U	0.59 U	0.64 U	0.65 U	0.58 U
Methylene Chloride	75-09-2	5.3 U	5.3 U	4.7 U	2.4 J	2.0 UJ	2.3 UJ	7.4 UJ	1.2 UJ	1.1 UJ	1.0 UJ	1.1 UJ	1.1 UJ	1.0 U
Methyl tert-butyl ether	1634-04-4	2.7 U	2.7 U	2.5 U	0.57 U	1.0 U	1.2 U	3.8 U	0.63 U	0.56 U	0.54 U	0.58 U	0.59 U	0.53 U
trans-1,2-Dichloroethene	156-60-5	3.0 U	3.0 U	2.7 U	0.63 U	1.1 U	1.3 U	4.2 U	0.69 U	0.61 U	0.59 U	0.64 U	0.65 U	0.58 U
Hexane	110-54-3	2.7 U	2.7 U	2.4 U	1.6	1.0 U	1.5	3.7 U	0.91	0.55 U	0.78	0.57 U	1.8	1.1
1,1-Dichloroethane	75-34-3	3.1 U	3.1 U	2.8 U	0.64 U	2.2	1.4 U	4.3 U	0.71 U	3.2	0.60 U	0.65 U	0.66 U	0.59 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	2.2 U	2.4	2.4	2.2	3.8	1.8	7.2	1.8	3.1	2.5	2.6	0.95	1.0
cis-1,2-Dichloroethene	156-59-2	3.0 U	3.0 U	2.7 U	0.63 U	1.1 U	1.3 U	4.2 U	0.69 U	0.61 U	0.59 U	0.64 U	0.65 U	0.58 U
Chloroform	67-66-3	3.7 U	3.7 U	3.3 U	0.81	7.9	1.6 U	35	0.85 U	10	0.73 U	0.79 U	0.80 U	0.71 U
1,1,1-Trichloroethane	71-55-6	8.3	8.4	8.6	0.86 U	13	1.8 U	5.8 U	0.95 U	16	0.81 U	0.88 U	0.89 U	0.80 U
Cyclohexane	110-82-7	2.6 U	2.6 U	2.4 U	0.54 U	0.98 U	1.2 U	3.6 U	0.60 U	0.53 U	0.51 U	0.55 U	0.56 U	0.50 U
Benzene	71-43-2	2.4 U	2.4 U	2.2 U	1.7 NJ	0.91 U	1.8 NJ	3.4 U	1.1 NJ	0.50 U	0.87 NJ	0.54 NJ	0.82 NJ	0.75 NJ
1,2-Dichloroethane	107-06-2	3.1 U	3.1 U	2.8 U	0.64 U	1.2 U	1.4 U	4.3 U	0.71 U	0.63 U	0.60 U	0.65 U	0.66 U	0.59 U
1,2-Dichloropropane	78-87-5	3.5 U	3.5 U	3.2 U	0.73 U	1.3 U	1.6 U	4.9 U	0.81 U	0.72 U	0.69 U	0.74 U	0.76 U	0.67 U
1,4-Dioxane	123-91-1	2.7 U	2.7 U	2.5 U	0.57 U	1.0 U	1.2 U	3.8 U	0.63 U	0.56 U	0.54 U	0.58 U	0.59 U	0.53 U
Bromodichloromethane	75-27-4	5.1 U	5.1 U	4.6 U	1.0 U	1.9 U	2.2 U	7.1 U	1.2 U	1.0 U	1.0 U	1.1 U	1.1 U	0.98 U
cis-1,3-Dichloropropene	10061-01-5	3.4 U	3.4 U	3.1 U	0.72 U	1.3 U	1.5 U	4.8 U	0.79 U	0.70 U	0.68 U	0.73 U	0.74 U	0.66 U
4-Methyl-2-pentanone	108-10-1	3.1 U	3.1 U	2.8 U	0.65 U	1.2 U	1.4 U	4.3 U	0.72 U	0.63 U	0.61 U	0.66 U	3.0	0.60 U
Toluene	108-88-3	2.9 U	2.9 U	2.6 U	2.3	1.6	2.4	7.2	2.8	1.2	1.7	2.6	2.4	2.0
trans-1,3-Dichloropropene	10061-02-6	3.4 U	3.4 U	3.1 U	0.72 U	1.3 U	1.5 U	4.8 U	0.79 U	0.70 U	0.68 U	0.73 U	0.74 U	0.66 U
1,1,2-Trichloroethane	79-00-5	4.1 U	4.1 U	3.7 U	0.86 U	1.6 U	1.8 U	5.8 U	0.95 U	0.84 U	0.81 U	0.88 U	0.89 U	0.80 U
Tetrachloroethene	127-18-4	1400	1400	1400	2.4	660	2.3 U	1600	1.2 U	200	1.1	4.0	1.1 U	0.99 U
Dibromochloromethane	124-48-1	6.5 U	6.5 U	5.8 U	1.3 U	2.4 U	2.9 U	9.0 U	1.5 U	1.3 U	1.3 U	1.4 U	1.4 U	1.2 U
1,2-Dibromoethane (EDB)	106-93-4	5.8 U	5.8 U	5.2 U	1.2 U	2.2 U	2.6 U	8.1 U	1.3 U	1.2 U	1.1 U	1.2 U	1.3 U	1.1 U
Chlorobenzene	108-90-7	3.5 U	3.5 U	3.1 U	0.73 U	1.3 U	1.5 U	4.9 U	0.80 U	0.71 U	0.68 U	0.74 U	0.76 U	0.67 U
Ethyl Benzene	100-41-4	3.3 U	3.3 U	3.0 U	0.68	1.2 U	1.4 U	4.6 U	0.76 U	0.67 U	0.65 U	0.70 U	0.71 U	0.63 U
m,p-Xylene	108-38-3/106-42-3	3.3 U	3.3 U	3.0 U	2.6	1.2 U	1.4 U	4.6 U	0.92	1.5	0.86	0.70 U	0.71 U	0.63 U
o-Xylene	95-47-6	3.3 U	3.3 U	3.0 U	1.0	1.2 U	1.4 U	4.6 U	0.76 U	1.0	0.65 U	0.70 U	0.71 U	0.63 U
Styrene	100-42-5	3.2 U	3.2 U	2.9 U	0.67 U	1.2 U	1.4 U	4.5 U	0.74 U	0.66 U	0.63 U	0.68 U	0.70 U	0.62 U
Bromoform	75-25-2	7.8 U	7.8 U	7.1 U	1.6 U	2.9 U	3.5 U	11 U	1.8 U	1.6 U	1.5 U	1.7 U	1.7 U	1.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5.2 U	5.2 U	4.7 U	1.1 U	2.0 U	2.3 U	7.3 U	1.2 U	1.1 U	1.0 U	1.1 U	1.1 U	1.0 U
1,3,5-Trimethylbenzene	108-67-8	3.7 U	3.7 U	3.4 U	0.78 U	1.4 U	1.6 U	5.2 U	0.86 U	1.8	0.82 NJ	0.79 U	0.81 U	0.72 U
1,2,4-Trimethylbenzene	95-63-6	3.7 U	3.7 U	3.4 U	0.78 U	1.4 U	1.6 U	5.2 U	0.86 U	7.5	2.6	0.79 U	1.1	0.72 U
1,3-Dichlorobenzene	541-73-1	4.6 U	4.6 U	4.1 U	0.95 U	1.7 U	2.0 U	6.4 U	1.0 U	0.93 U	0.90 U	0.97 U	0.99 U	0.88 U
1,4-Dichlorobenzene	106-46-7	4.6 U	4.6 U	4.1 U	0.95 U	1.7 U	2.0 U	6.4 U	1.0 U	0.93 U	0.90 U	0.97 U	0.99 U	0.88 U
alpha-Chlorotoluene	100-44-7	3.9 U	3.9 U	3.5 U	0.82 U	1.5 U	1.7 U	5.5 U	0.90 U	0.80 U	0.77 U	0.83 U	0.85 U	0.76 U
1,2-Dichlorobenzene	95-50-1	4.6 U	4.6 U	4.1 U	0.95 U	1.7 U	2.0 U	6.4 U	1.0 U	0.93 U	0.90 U	0.97 U	0.99 U	0.88 U
1,2,4-Trichlorobenzene	120-82-1	28 U	28 U	25 U	5.9 U	10 U	12 U	39 U	6.5 U	5.8 U	5.5 U	6.0 U	6.1 U	5.4 U
Hexachlorobutadiene	87-68-3	40 U	40 U	36 U	8.4 U	15 U	18 U	56 U	9.3 U	8.3 U	7.9 U	8.6 U	8.7 U	7.8 U
2,2,4-Trimethylpentane	540-84-1	18 U	18 U	16 U	3.7 U	6.6 U	7.8 U	25 U	4.1 U	3.6 U	3.5 U	3.8 U	3.8 U	3.4 U
tert-Butyl alcohol	75-65-0	12 U	12 U	10 U	2.4 U	4.3 U	5.1 U	16 U	2.6 U	2.3 U	2.2 U	2.4 U	2.5 U	2.2 U
Trichloroethene	79-01-6	1.9	1.9	1.7	0.17 U	0.40	0.36 U	16	0.19 U	0.26	0.16 U	0.72	0.18 U	0.16 U
Carbon Tetrachloride	56-23-5	0.96 U	0.96 U	0.86 U	0.41	0.57	0.44	1.3 U	0.40	0.78	0.97	0.52	0.38	0.79

Notes:
Concentrations are in $\mu g/m^3$.
U - Not detected. Reporting Limit provided.
D - Result from analysis of a diluted sample.
B- Analyte was detected in the method blank.

Table 5B
Munsey Cleaners OU-2
Validated Indoor Air and Sub-Slab Vapor Analytical Results
January 2010

	Sample ID	130081-SS-26	130081-SS-26 Lab Dup.	130081-BA-26	130081-SS-27	130081-BA-27	130081-BA-27 Lab Dup.	130081-SS-28	130081-BA-28	130081-SS-29	130081-FD012810	130081-BA-29
	Sampling Date	01/28/2010	01/28/2010	01/28/2010	01/28/2010	01/28/2010	01/28/2010	01/29/2010	01/29/2010	01/29/2010	01/29/2010	01/29/2010
	Dilution Factor	4.47	3.80	1.41	13.0	1.75	1.75	1.52	6.50	1.52	1.52	1.68
COMPOUND	CAS #											
Freon 12	75-71-8	46	47	1.7	64	2.2	2.0	3.8	3.2 U	11 J	7.2 J	1.9
Freon 114	76-14-2	3.1 U	2.6 U	0.98 U	9.1 U	1.2 U	1.2 U	1.1 U	4.5 U	1.1 U	1.1 U	1.2 U
Chloromethane	74-87-3	0.92 U	0.78 U	0.79	2.7 U	1.2 U	1.1 U	0.31 U	1.3 U	0.90 J	0.31 UJ	1.1
Vinyl Chloride	75-01-4	1.1 U	0.97 U	0.36 U	3.3 U	0.45 U	0.45 U	0.39 U	1.7 U	0.39 U	0.39 U	0.43 U
Bromomethane	74-83-9	1.7 U	1.5 U	0.55 U	5.0 U	0.68 U	0.68 U	0.59 U	2.5 U	0.91 U	0.59 U	0.65 U
Chloroethane	75-00-3	1.2 U	1.0 U	0.37 U	3.4 U	0.46 U	0.46 U	0.40 U	1.7 U	0.40 U	0.40 U	0.44 U
Freon 11	75-69-4	11	11	0.88	16	1.7	1.7	1.6	3.6 U	0.97	0.85 U	0.94
Ethanol	64-17-5	4.8	3.6	43	12 U	19	18	2.3 NJ	79	1.4 U	1.4 U	10
Freon 113	76-13-1	3.4 U	2.9 U	1.1 U	10 U	1.3 U	1.3 U	1.2 U	5.0 U	1.3	1.2 U	1.3 U
1,1-Dichloroethene	75-35-4	1.8 U	1.5 U	0.56 U	5.2 U	0.69 U	0.69 U	0.60 U	2.6 U	0.60 U	0.60 U	0.67 U
Methylene Chloride	75-09-2	3.1 J	2.6 UJ	27 J	9.0 UJ	3.8 J	2.6 J	1.0 UJ	4.5 UJ	1.0 UJ	1.0 UJ	1.2 UJ
Methyl tert-butyl ether	1634-04-4	1.6 U	1.4 U	0.51 U	4.7 U	0.63 U	0.63 U	0.55 U	2.3 U	0.55 U	0.55 U	0.60 U
trans-1,2-Dichloroethene	156-60-5	1.8 U	1.5 U	0.56 U	5.2 U	0.69 U	0.69 U	0.60 U	2.6 U	0.60 U	0.60 U	0.67 U
Hexane	110-54-3	1.6 U	1.3 U	0.75	4.6 U	0.71	0.65	0.54 U	2.3 U	0.54	0.54 U	0.59 U
1,1-Dichloroethane	75-34-3	1.8 U	1.5 U	0.57 U	5.3 U	0.71 U	0.71 U	0.62 U	2.6 U	0.62 U	0.62 U	0.68 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	4.5	4.4	2.8	3.8 U	0.83	0.84	2.4	5.8	4.7 J	2.2 J	0.59
cis-1,2-Dichloroethene	156-59-2	1.8 U	1.5 U	0.56 U	5.2 U	0.69 U	0.69 U	0.60 U	2.6 U	0.60 U	0.60 U	0.67 U
Chloroform	67-66-3	3.0	3.0	0.69 U	6.3 U	0.98	0.99	0.74 U	3.2 U	0.74 U	0.74 U	0.82 U
1,1,1-Trichloroethane	71-55-6	2.4 U	2.1 U	0.77 U	7.1 U	0.95 U	0.95 U	1.2	3.5 U	1.7	1.3	0.92 U
Cyclohexane	110-82-7	1.5 U	1.3 U	0.48 U	4.5 U	0.60 U	0.60 U	0.52 U	2.2 U	0.52 U	0.52 U	0.58 U
Benzene	71-43-2	1.4 U	1.2 U	0.98 NJ	4.2 U	1.0 NJ	1.0 NJ	0.48 U	2.1 U	1.3 NJ	1.1 NJ	0.70 NJ
1,2-Dichloroethane	107-06-2	1.8 U	1.5 U	0.57 U	5.3 U	0.71 U	0.71 U	0.62 U	2.6 U	0.62 U	0.62 U	0.68 U
1,2-Dichloropropane	78-87-5	2.1 U	1.8 U	0.65 U	6.0 U	0.81 U	0.81 U	0.70 U	3.0 U	0.70 U	0.70 U	0.78 U
1,4-Dioxane	123-91-1	1.6 U	1.4 U	0.51 U	4.7 U	0.63 U	0.63 U	0.55 U	2.3 U	0.55 U	0.55 U	0.60 U
Bromodichloromethane	75-27-4	3.0 U	2.5 U	0.94 U	8.7 U	1.2 U	1.2 U	1.0 U	4.4 U	1.0 U	1.0 U	1.1 U
cis-1,3-Dichloropropene	10061-01-5	2.0 U	1.7 U	0.64 U	5.9 U	0.79 U	0.79 U	0.69 U	3.0 U	0.69 U	0.69 U	0.76 U
4-Methyl-2-pentanone	108-10-1	1.8 U	1.6 U	0.58 U	5.3 U	0.72 U	0.72 U	0.62 U	2.7 U	0.64 U	0.62 U	0.69 U
Toluene	108-88-3	1.7 U	1.4 U	3.0	4.9 U	2.5	2.5	2.5	33	1.5	1.1	1.0
trans-1,3-Dichloropropene	10061-02-6	2.0 U	1.7 U	0.64 U	5.9 U	0.79 U	0.79 U	0.69 U	3.0 U	0.69 U	0.69 U	0.76 U
1,1,2-Trichloroethane	79-00-5	2.4 U	2.1 U	0.77 U	7.1 U	0.95 U	0.95 U	0.83 U	3.5 U	0.83 U	0.83 U	0.92 U
Tetrachloroethene	127-18-4	480	470	0.96 U	2300	1.8	1.6	81	8.5	270	210	1.1 U
Dibromochloromethane	124-48-1	3.8 U	3.2 U	1.2 U	11 U	1.5 U	1.5 U	1.3 U	5.5 U	1.3 U	1.3 U	1.4 U
1,2-Dibromoethane (EDB)	106-93-4	3.4 U	2.9 U	1.1 U	10 U	1.3 U	1.3 U	1.2 U	5.0 U	1.2 U	1.2 U	1.3 U
Chlorobenzene	108-90-7	2.0 U	1.7 U	0.65 U	6.0 U	0.80 U	0.80 U	0.70 U	3.0 U	0.70 U	0.70 U	0.77 U
Ethyl Benzene	100-41-4	1.9 U	1.6 U	0.61 U	5.6 U	0.76 U	0.76 U	0.66 U	17	0.66 U	0.66 U	0.73 U
m,p-Xylene	108-38-3/106-42-3	1.9 U	1.6 U	0.99	5.6 U	1.1	1.1	1.0	64	0.66 U	0.66 U	0.73 U
o-Xylene	95-47-6	1.9 U	1.6 U	0.61 U	5.6 U	0.76 U	0.76 U	0.66 U	17	0.66 U	0.66 U	0.73 U
Styrene	100-42-5	1.9 U	1.6 U	0.60 U	5.5 U	0.74 U	0.74 U	0.65 U	2.8 U	0.65 U	0.65 U	0.72 U
Bromoform	75-25-2	4.6 U	3.9 U	1.4 U	13 U	1.8 U	1.8 U	1.6 U	6.7 U	1.6 U	1.6 U	1.7 U
1,1,2,2-Tetrachloroethane	79-34-5	3.1 U	2.6 U	0.97 U	8.9 U	1.2 U	1.2 U	1.0 U	4.5 U	1.0 U	1.0 U	1.2 U
1,3,5-Trimethylbenzene	108-67-8	2.2 U	1.9 U	0.69 U	6.4 U	0.86 U	0.86 U	0.75 U	5.3 NJ	0.75 U	0.75 U	0.82 U
1,2,4-Trimethylbenzene	95-63-6	2.2 U	1.9 U	0.69 U	6.4 U	0.86 U	0.86 U	0.75 U	15	0.75 U	0.75 U	0.82 U
1,3-Dichlorobenzene	541-73-1	2.7 U	2.3 U	0.85 U	7.8 U	1.0 U	1.0 U	0.91 U	3.9 U	0.91 U	0.91 U	1.0 U
1,4-Dichlorobenzene	106-46-7	2.7 U	2.3 U	0.85 U	7.8 U	1.0 U	1.0 U	0.91 U	3.9 U	0.91 U	0.91 U	1.0 U
alpha-Chlorotoluene	100-44-7	2.3 U	2.0 U	0.73 U	6.7 U	0.90 U	0.90 U	0.79 U	3.4 U	0.79 U	0.79 U	0.87 U
1,2-Dichlorobenzene	95-50-1	2.7 U	2.3 U	0.85 U	7.8 U	1.0 U	1.0 U	0.91 U	3.9 U	0.91 U	0.91 U	1.0 U
1,2,4-Trichlorobenzene	120-82-1	16 U	14 U	5.2 U	48 U	6.5 U	6.5 U	5.6 U	24 U	5.6 U	5.6 U	6.2 U
Hexachlorobutadiene	87-68-3	24 U	20 U	7.5 U	69 U	9.3 U	9.3 U	8.1 U	35 U	8.1 U	8.1 U	9.0 U
2,2,4-Trimethylpentane	540-84-1	10 U	8.9 U	3.3 U	30 U	4.1 U	4.1 U	3.6 U	15 U	3.6 U	3.6 U	3.9 U
tert-Butyl alcohol	75-65-0	6.8 U	5.8 U	2.1 U	20 U	2.6 U	2.6 U	2.3 U	9.8 U	2.3 U	2.3 U	2.5 U
Trichloroethene	79-01-6	8.1	8.0	0.15 U	46	160	150	0.16 U	0.70 U	0.16 U	0.16 U	0.18 U
Carbon Tetrachloride	56-23-5	0.56 U	0.48 U	0.32	1.6 U	0.44	0.41	0.25	0.82 U	0.53	0.39	0.38

Notes:
Concentrations are in µg/m^3.
U - Not detected. Reporting Limit provided.
D - Result from analysis of a diluted sample.
B- Analyte was detected in the method blank.

Table 5B
Munsey Cleaners OU-2
Validated Indoor Air and Sub-Slab Vapor Analytical Results
January 2010

	Sample ID	130081-SS-30	130081-SS-30 Lab Dup.	130081-BA-30	130081-OA-30	130081-SS-31	130081-BA-31	130081-SS-32	130081-SS-32 Lab Dup.	130081-BA-32	130081-BA-33	130081-BA-34
	Sampling Date	01/29/2010	01/29/2010	01/29/2010	01/29/2010	01/29/2010	01/29/2010	01/29/2010	01/29/2010	01/29/2010	01/29/2010	01/29/2010
	Dilution Factor	1.46	1.46	1.71	1.29	1.41	1.52	1.36	1.36	1.46	1.64	1.52
COMPOUND	CAS #											
Freon 12	75-71-8	2.9	2.7	1.9	1.5	2.4	2.0	2.1	1.9	1.9	2.0	2.0
Freon 114	76-14-2	1.0 U	1.0 U	1.2 U	0.90 U	0.98 U	1.1 U	0.95 U	0.95 U	1.0 U	1.1 U	1.1 U
Chloromethane	74-87-3	0.38	0.36	0.82	1.3	0.29 U	0.87	0.28 U	0.28 U	0.84	0.89	0.78
Vinyl Chloride	75-01-4	0.37 U	0.37 U	0.44 U	0.33 U	0.36 U	0.39 U	0.35 U	0.35 U	0.37 U	0.42 U	0.39 U
Bromomethane	74-83-9	0.57 U	0.57 U	0.66 U	0.50 U	0.55 U	0.59 U	0.53 U	0.53 U	0.57 U	0.64 U	0.59 U
Chloroethane	75-00-3	0.38 U	0.38 U	0.45 U	0.34 U	0.37 U	0.40 U	0.36 U	0.36 U	0.38 U	0.43 U	0.40 U
Freon 11	75-69-4	1.0	1.0	1.0	0.76	1.2	0.94	1.1	0.97	0.90	1.0	1.1
Ethanol	64-17-5	2.8 NJ	2.6	10	4.9	3.5	34	13	13	29	42	6.9
Freon 113	76-13-1	1.1 U	1.1 U	1.3 U	0.99 U	1.1 U	1.2 U	1.0 U	1.0 U	1.1 U	1.2 U	1.2 U
1,1-Dichloroethene	75-35-4	0.58 U	0.58 U	0.68 U	0.51 U	0.56 U	0.60 U	0.54 U	0.54 U	0.58 U	0.65 U	0.60 U
Methylene Chloride	75-09-2	1.0 UJ	1.0 UJ	1.2 UJ	0.90 UJ	0.98 UJ	1.0 UJ	0.94 UJ	0.94 UJ	1.0 UJ	2.0 J	1.0 UJ
Methyl tert-butyl ether	1634-04-4	0.53 U	0.53 U	0.62 U	0.46 U	0.51 U	0.55 U	0.49 U	0.49 U	0.53 U	0.59 U	0.55 U
trans-1,2-Dichloroethene	156-60-5	0.58 U	0.58 U	0.68 U	0.51 U	0.56 U	0.60 U	0.54 U	0.54 U	0.58 U	0.65 U	0.60 U
Hexane	110-54-3	0.68	0.65	0.60 U	0.45 U	0.50 U	0.54 U	0.48 U	0.48 U	0.51 U	0.58 U	0.54 U
1,1-Dichloroethane	75-34-3	0.59 U	0.59 U	0.69 U	0.52 U	0.57 U	0.62 U	0.55 U	0.55 U	0.59 U	0.66 U	0.62 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	3.2	3.1	0.50 U	0.43	2.6	0.45 U	1.2	1.2	0.52	1.2	0.61
cis-1,2-Dichloroethene	156-59-2	0.58 U	0.58 U	0.68 U	0.51 U	0.56 U	0.60 U	0.54 U	0.54 U	0.58 U	0.65 U	0.60 U
Chloroform	67-66-3	0.71 U	0.71 U	0.83 U	0.63 U	0.69 U	0.74 U	0.66 U	0.66 U	0.71 U	0.80 U	0.74 U
1,1,1-Trichloroethane	71-55-6	0.80 U	0.80 U	0.93 U	0.70 U	0.77 U	0.83 U	0.74 U	0.74 U	0.80 U	0.89 U	0.83 U
Cyclohexane	110-82-7	0.50 U	0.50 U	0.59 U	0.44 U	0.48 U	0.52 U	0.47 U	0.47 U	0.50 U	0.56 U	0.52 U
Benzene	71-43-2	0.62 NJ	0.57 NJ	0.62 NJ	0.56 NJ	0.45 U	0.66 NJ	0.43 U	0.43 U	0.63 NJ	0.76 NJ	0.77 NJ
1,2-Dichloroethane	107-06-2	0.59 U	0.59 U	0.69 U	0.52 U	0.57 U	0.62 U	0.55 U	0.55 U	0.59 U	0.66 U	0.62 U
1,2-Dichloropropane	78-87-5	0.67 U	0.67 U	0.79 U	0.60 U	0.65 U	0.70 U	0.63 U	0.63 U	0.67 U	0.76 U	0.70 U
1,4-Dioxane	123-91-1	0.53 U	0.54	0.62 U	0.46 U	0.51 U	0.55 U	0.49 U	0.49 U	0.53 U	0.59 U	0.55 U
Bromodichloromethane	75-27-4	0.98 U	0.98 U	1.1 U	0.86 U	0.94 U	1.0 U	0.91 U	0.91 U	0.98 U	1.1 U	1.0 U
cis-1,3-Dichloropropene	10061-01-5	0.66 U	0.66 U	0.78 U	0.58 U	0.64 U	0.69 U	0.62 U	0.62 U	0.66 U	0.74 U	0.69 U
4-Methyl-2-pentanone	108-10-1	0.60 U	0.60 U	0.70 U	0.53 U	0.58 U	0.62 U	0.56 U	0.56 U	0.60 U	0.67 U	0.62 U
Toluene	108-88-3	1.7	1.6	0.81	0.85	0.61	0.87	0.87	0.83	0.92	1.8	1.4
trans-1,3-Dichloropropene	10061-02-6	0.66 U	0.66 U	0.78 U	0.58 U	0.64 U	0.69 U	0.62 U	0.62 U	0.66 U	0.74 U	0.69 U
1,1,2-Trichloroethane	79-00-5	0.80 U	0.80 U	0.93 U	0.70 U	0.77 U	0.83 U	0.74 U	0.74 U	0.80 U	0.89 U	0.83 U
Tetrachloroethene	127-18-4	4.9	4.8	1.2 U	0.88 U	54	1.0 U	32	32	0.99 U	2.9	1.0 U
Dibromochloromethane	124-48-1	1.2 U	1.2 U	1.4 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.4 U	1.3 U
1,2-Dibromoethane (EDB)	106-93-4	1.1 U	1.1 U	1.3 U	0.99 U	1.1 U	1.2 U	1.0 U	1.0 U	1.1 U	1.3 U	1.2 U
Chlorobenzene	108-90-7	0.67 U	0.67 U	0.79 U	0.59 U	0.65 U	0.70 U	0.63 U	0.63 U	0.67 U	0.76 U	0.70 U
Ethyl Benzene	100-41-4	0.63 U	0.63 U	0.74 U	0.56 U	0.61 U	0.66 U	0.59 U	0.59 U	0.63 U	0.71 U	0.66 U
m,p-Xylene	108-38-3/106-42-3	0.63 U	0.63 U	0.74 U	0.56 U	0.61 U	0.87	0.59 U	0.59 U	1.2	0.71 U	0.66
o-Xylene	95-47-6	0.63 U	0.63 U	0.74 U	0.56 U	0.61 U	0.66 U	0.59 U	0.59 U	0.63 U	0.71 U	0.66 U
Styrene	100-42-5	0.62 U	0.62 U	0.73 U	0.55 U	0.60 U	0.65 U	0.58 U	0.58 U	0.62 U	0.70 U	0.65 U
Bromoform	75-25-2	1.5 U	1.5 U	1.8 U	1.3 U	1.4 U	1.6 U	1.4 U	1.4 U	1.5 U	1.7 U	1.6 U
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	1.0 U	1.2 U	0.88 U	0.97 U	1.0 U	0.93 U	0.93 U	1.0 U	1.1 U	1.0 U
1,3,5-Trimethylbenzene	108-67-8	0.72 U	0.72 U	0.84 U	0.63 U	0.69 U	0.75 U	0.67 U	0.67 U	0.72 U	0.81 U	0.75 U
1,2,4-Trimethylbenzene	95-63-6	0.72 U	0.72 U	0.84 U	0.63 U	0.69 U	0.75 U	0.67 U	0.67 U	0.72 U	0.81 U	0.75 U
1,3-Dichlorobenzene	541-73-1	0.88 U	0.88 U	1.0 U	0.78 U	0.85 U	0.91 U	0.82 U	0.82 U	0.88 U	0.99 U	0.91 U
1,4-Dichlorobenzene	106-46-7	0.88 U	0.88 U	1.3	0.78 U	0.85 U	0.91 U	0.82 U	0.82 U	0.88 U	7.9	0.91 U
alpha-Chlorotoluene	100-44-7	0.76 U	0.76 U	0.88 U	0.67 U	0.73 U	0.79 U	0.70 U	0.70 U	0.76 U	0.85 U	0.79 U
1,2-Dichlorobenzene	95-50-1	0.88 U	0.88 U	1.0 U	0.78 U	0.85 U	0.91 U	0.82 U	0.82 U	0.88 U	0.99 U	0.91 U
1,2,4-Trichlorobenzene	120-82-1	5.4 U	5.4 U	6.3 U	4.8 U	5.2 U	5.6 U	5.0 U	5.0 U	5.4 U	6.1 U	5.6 U
Hexachlorobutadiene	87-68-3	7.8 U	7.8 U	9.1 U	6.9 U	7.5 U	8.1 U	7.2 U	7.2 U	7.8 U	8.7 U	8.1 U
2,2,4-Trimethylpentane	540-84-1	3.4 U	3.4 U	4.0 U	3.0 U	3.3 U	3.6 U	3.2 U	3.2 U	3.4 U	3.8 U	3.6 U
tert-Butyl alcohol	75-65-0	2.2 U	2.2 U	2.6 U	2.0 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	2.5 U	2.3 U
Trichloroethene	79-01-6	0.44	0.42	0.18 U	0.14 U	0.15 U	0.16 U	0.15 U	0.15 U	0.16 U	0.19	0.16 U
Carbon Tetrachloride	56-23-5	0.39	0.38	0.38	0.30	0.23	0.37	0.33	0.32	0.35	0.42	0.40

Notes:
Concentrations are in $\mu g/m^3$.
U - Not detected. Reporting Limit provided.
D - Result from analysis of a diluted sample.
B- Analyte was detected in the method blank.

TABLE 5C
Former Plaza Cleaners Site #130108
North Hempstead, New York
Validated Soil Vapor and Sub-Slab Vapor Analytical Results
June 2010

COMPOUND	Sample ID Sampling Date Media Dilution Factor Units CAS #	Plaza ESG-3D 06/08/2010 Soil Vapor 1.64 µg/m3	Plaza SG-9S 06/08/2010 Sub-slab Vapor 16.8 µg/m3	Scriber-SV 06/09/2010 Soil Vapor 1.61 µg/m3	Scriber-SV2 (Scriber-SV Duplicate) 06/09/2010 Soil Vapor 1.52 µg/m3
1,1,1-Trichloroethane	71-55-6	45 U	460 U	0.88 U	0.83 U
1,1,2,2-Tetrachloroethane	79-34-5	56 U	580 U	1.1 U	1 U
1,1,2-Trichloroethane	79-00-5	45 U	460 U	0.88 U	0.83 U
1,1-Dichloroethane	75-34-3	33 U	340 U	0.65 U	0.62 U
1,1-Dichloroethene	75-35-4	32 U	330 U	0.64 U	0.6 U
1,2,4-Trichlorobenzene	120-82-1	240 UJ	2500 UJ	6 UJ	5.6 UJ
1,2,4-Trimethylbenzene	95-63-6	40 U	410 U	2.6	2.5
1,2-Dibromoethane (EDB)	106-93-4	63 U	640 U	1.2 U	1.2 U
1,2-Dichlorobenzene	95-50-1	49 U	500 U	0.97 U	0.91 U
1,2-Dichloroethane	107-06-2	33 U	340 U	0.65 U	0.62 U
1,2-Dichloropropane	78-87-5	38 U	390 U	0.74 U	0.7 U
1,3,5-Trimethylbenzene	108-67-8	40 U	410 U	0.79 U	0.8 U
1,3-Dichlorobenzene	541-73-1	49 U	500 U	0.97 U	0.91 U
1,4-Dichlorobenzene	106-46-7	49 U	500 U	0.97 U	0.91 U
1,4-Dioxane	123-91-1	120 U	1200 U	0.58 U	0.55 U
2,2,4-Trimethylpentane	540-84-1	38 U	390 U	3.8 U	3.6 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	24 U	250 U	2.8	4.1
4-Methyl-2-pentanone	108-10-1	34 U	340 U	2.4 NJ	2.5 NJ
alpha-Chlorotoluene	100-44-7	42 U	430 U	0.83 U	0.79 U
Benzene	71-43-2	26 U	270 U	2 NJ	1.8 NJ
Bromodichloromethane	75-27-4	55 U	560 U	1.1 U	1 U
Bromoform	75-25-2	85 U	870 U	1.7 U	1.6 U
Bromomethane	74-83-9	32 U	330 U	0.62 U	0.59 U
Carbon Tetrachloride	56-23-5	52 U	530 U	0.23	0.23
Chlorobenzene	108-90-7	38 U	390 U	0.74 U	0.7 U
Chloroethane	75-00-3	22 U	220 U	0.42 U	0.4 U
Chloroform	67-66-3	190	410 U	0.79 U	0.76
Chloromethane	74-87-3	68 U	690 U	0.94 NJ	0.31 U
cis-1,2-Dichloroethene	156-59-2	32 U	330 U	0.64 U	0.6 U
cis-1,3-Dichloropropene	10061-01-5	37 U	380 U	0.73 U	0.69 U
Cyclohexane	110-82-7	28 U	290 U	1.7	1.8
Dibromochloromethane	124-48-1	70 U	720 U	1.4 U	1.3 U
Ethanol	64-17-5	62 U	630 U	6.3	7.4
Ethyl Benzene	100-41-4	36 U	360 U	8	7.5
Freon 11	75-69-4	46 U	470 U	1.1	1.4
Freon 113	76-13-1	63 U	640 U	1.2 U	1.2 U
Freon 114	76-14-2	57 U	590 U	1.1 U	1.1 U
Freon 12	75-71-8	40 U	420 U	1.8	1.6
Hexachlorobutadiene	87-68-3	350 UJ	3600 U	8.6 U	8.1 U
Hexane	110-54-3	29 U	300 U	2.8	2.5
m,p-Xylene	108-38-3/106-42-3	36 U	360 U	24	24
Methyl tert-butyl ether	1634-04-4	30 U	300 U	0.58 U	0.55 U
Methylene Chloride	75-09-2	28 U	290 U	1.1 U	1 U
o-Xylene	95-47-6	36 U	360 U	5	4.6
Styrene	100-42-5	35 U	360 U	1.2	1.2
tert-Butyl alcohol	75-65-0	99 U	1000 U	2.4 U	2.3 U
Tetrachloroethene	127-18-4	19000	400000	16	14
Toluene	108-88-3	31 U	320 U	12	12
trans-1,2-Dichloroethene	156-60-5	32 U	330 U	0.64 U	0.6 U
trans-1,3-Dichloropropene	10061-02-6	37 U	380 U	0.73 U	0.69 U
Trichloroethene	79-01-6	140	740	0.17 U	0.16 U
Vinyl Chloride	75-01-4	21 U	210 U	0.41 U	0.39 U

Notes:

Concentrations are in $\mu g/m^3$.

U - Not detected. Reporting limit provided.

J - Estimated

N - Tentative in identifcation

TABLE 6A - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER MUNSEY AND PLAZA CLEANERS
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample ID	NYSDEC Class GA Standard or Guidance Value (ug/l)	MC-B-1 (51.6)	MC-B-1 (85)	MC-B-2 (41.4)	MC-B-2 (85)	MC-B-3 (43)	MC-B-3 (85)	MC-B-4 (44)	MC-B-5 (60)	MC-B-5 (85)	MC-B-6 (57)	MC-B-7 (48)	MC-B-8 (60)	MC-B-8 (85)	MC-B-9 (40)	MC-B-9 (85)	MC-B-10 (65)
Sampling Date		1/22/2008	1/22/2008	1/23/2008	1/23/2008	1/24/2008	1/24/2008	1/25/2008	1/28/2008	1/28/2008	1/28/2008	1/28/2008	1/29/2008	1/29/2008	1/29/2008	1/30/2008	2/11/2008
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Acetone	50*	20	16	15 J	6.2 J	7.7	7.8	3.8 J	5 U	5 U	4.2 J	5 U	5 U	5 U	5 U	5 U	18 J
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Bromoform	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	3.2	1 U	1 U	1 U	1 U	1 UJ
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	0.98 J	1 U	1 U	1 U	0.9 J	1 U	1 U	1 UJ
Chloromethane		1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
cis-1,2-Dichloroethene	5	1 U	0.61 J	1 U	1 U	1.8	2.1	3.3	1 U	1 U	1 U	1.4	1 U	1 U	21	1 U	1 UJ
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Dichlorodifluoromethane	5	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.9 J	1 U	1 U	1 U	1 U	1 UJ
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
m/p-Xylenes	5	1.4 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Methyl tert-butyl Ether	10	1.5	1.3	1 J	52	3.5	3.8	14	1 U	1 U	1 U	1	5.4	1 U	1.8	1 U	1 UJ
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	0.56 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
o-Xylene	5	0.83 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Tetrachloroethene	5	91	76	5.6	1 U	18	460	1500	0.86 J	1 U	23	17	1.4	1 U	290	13	1 UJ
Toluene	5	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4 J
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 UJ
Trichloroethene	5	0.82 J	0.99 J	5	1 U	1 U	5.4	3.4	1 U	1 U	1 U	1.1	1 U	1 U	34	1 U	1 UJ
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 6A - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER MUNSEY AND PLAZA CLEANERS
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample ID	NYSDEC Class GA Standard or Guidance Value (ug/l)	MC-B-11 (25)	MC-B-11 (60)	MC-B-12 (45)	MC-B-13 (44)	MC-B-14 (73)	MC-B-15 (55)	MC-B-16 (55)	MC-B-16 (85)	MC-B-17 (55)	MC-B-17 (100)	MC-B-18 (63)	MC-B-19 (60)	MC-B-20 (55)	MC-B-20 (85)	PC-B-01 (50)	PC-B-01 (99)
Sampling Date		1/30/2008	1/30/2008	2/11/2008	2/12/2008	2/12/2008	2/12/2008	2/13/2008	2/14/2008	2/13/2008	2/13/2008	2/13/2008	2/14/2008	2/14/2008	2/14/2008	6/23/2009	6/23/2009
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,1,2-Trichloroethane	1	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,1-Dichloroethane	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,1-Dichloroethene	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,2-Dibromoethane	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,2-Dichlorobenzene	3	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,2-Dichloroethane	0.6	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,2-Dichloropropane	1	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,3-Dichlorobenzene	3	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
1,4-Dichlorobenzene	3	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
2-Butanone	50	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ	4.9 J	5 U	5 U	5 UJ	8.6 J
2-Hexanone		5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U	5 UJ	25 U
4-Methyl-2-Pentanone		5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U	5 J	25 U
Acetone	50*	5 U	5 U	12 J	12 J	7.2 J	6.9 J	16 J	8.7	8.1 J	17 J	11 J	20 J	5.1	12	30 J	81
Benzene	1	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Bromodichloromethane	50*	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Bromoform	50*	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Bromomethane	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Carbon Disulfide		1 U	1 U	0.59 J	0.51 J	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 UJ
Carbon Tetrachloride	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Chlorobenzene	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Chloroethane	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Chloroform	7	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	0.71 J	5 U
Chloromethane		1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
cis-1,2-Dichloroethene	5	1 U	6.1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	2.4	1 U	1 U	1 UJ	1.8 J
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Cyclohexane		1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Dibromochloromethane	50	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Dichlorodifluoromethane	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Ethyl Benzene	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Isopropylbenzene	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
m/p-Xylenes	5	2 U	2 U	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 U	2 UJ	2 UJ	2 UJ	2 U	2 U	2 U	3 J	10 U
Methyl Acetate		1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Methyl tert-butyl Ether	10	1 U	3.6	1 UJ	1.7 J	1.9 J	1.6 J	1 UJ	1 U	0.87 J	1 UJ	1 UJ	7.2	1 U	1 U	1 UJ	5 U
Methylcyclohexane		1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Methylene Chloride	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
o-Xylene	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	0.86 J	5 U
Styrene	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Tetrachloroethene	5	1 U	440	30 J	7.2 J	69 J	24 J	1 UJ	1 U	0.68 J	1 UJ	1 UJ	1 U	1 U	1 U	200 J	170 J
Toluene	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	0.52 J	1.2	1 UJ	1 UJ	1 UJ	0.51 J	1 U	1 U	0.57 J	5 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Trichloroethene	5	1 U	9.7	1 UJ	1 UJ	0.83 J	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	12	1 U	1 U	2.8 J	14
Trichlorofluoromethane	5	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U
Vinyl Chloride	2	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	5 U

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 6A - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER MUNSEY AND PLAZA CLEANERS
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample ID	NYSDEC Class GA Standard or Guidance Value (ug/l)	PC-B-02 (45)	PC-B-02 (89)	PC-B-03 (68)	PC-B-04 (45)	PC-B-04 (99)	PC-B-05 (45)	PC-B-05 (99)	PC-B-06 (50)	PC-B-06 (100)	PC-B-06 (145)	PC-B-07 (60)	PC-B-07 (100)	PC-B-07 (155)	PC-B-08 (60)	PC-B-08 (100) NP	PC-B-08 (140) NP
Sampling Date		6/24/2009	6/24/2009	6/25/2009	6/25/2009	6/25/2009	6/26/2009	6/26/2009	5/19/2011	5/19/2011	5/19/2011	5/20/2011	5/20/2011	5/20/2011	5/25/2011	5/25/2011	5/25/2011
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.3	1 U
1,1-Dichloroethane	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 UJ	4.4 J	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 UJ	33 J	5 U	25 U	8.2 J	25 U	8.3 J	5 U	5 U	5 U	4.4 J	5.3	84	5 U	5 U	5 U
2-Hexanone		1 UJ	50 U	5 U	25 U	50 U	4 J	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 UJ	14 J	1 U	25 U	50 U	25 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	6.6 J	510	5 U	25 U	47 J	55	37 J	5 U	5 U	5 U	3.2 J	5 U	80	5 U	5 U	5 U
Benzene	1	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
Bromomethane	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		0.69 J	10 UJ	2.3 J	5 UJ	10 UJ	5 UJ	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	2.1 J	10 U	30	5 U	10 U	2.7 J	10 U	1 U	1 U	1 U	1 U	0.54 J	1 U	1 U	7.8	3.3
cis-1,3-Dichloropropene	0.4**	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 UJ	10 U	1 U	5 U	10 U	13	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	5 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	0.54 J	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 UJ	10 U	1 U	5 U	10 U	31	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 UJ	10 U	1 U	5 U	10 U	9.6	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2.4 J	20 U	1.6 J	10 U	20 U	67	20 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	21 J	1.7 J	1 U	5 U	2.2 J	5 U	1.7 J	9.6	0.76 J	9.8	0.55 J	1.7	1 U	0.88 J	9	1.8
Methylcyclohexane		1 UJ	10 U	1 U	5 U	10 U	38	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	0.73 J	10 U	1 U	5 U	10 U	21	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	430 J	8.7 J	1 U	11	7.1 J	81	3 J	1 U	1 U	0.92 J	0.61 J	28	0.4 J	20	0.66 J	0.95 J
Toluene	5	0.73 J	1.2 J	1 U	5 U	10 U	2 J	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.56 J	1.5
trans-1,2-Dichloroethene	5	1 UJ	10 U	2.7	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	3.5 J	10 U	20	1.1 J	10 U	30	10 U	1.2	1 U	1 U	1 U	0.69 J	1 U	1 U	5.1	2.4
Trichlorofluoromethane	5	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 UJ	10 U	1 U	5 U	10 U	5 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 6A - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER MUNSEY AND PLAZA CLEANERS
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample ID	NYSDEC Class GA Standard or Guidance Value (ug/l)	PC-B-09 (60)	PC-B-09 (100)	PC-B-09 (145)	PC-B-10 (60)	PC-B-10 (100)	PC-B-10 (135)	PC-B-11 (60)	PC-B-11 (90)	PC-B-11 (120)	TRIP BLANK	TRIP BLANK
Sampling Date		5/26/2011	5/26/2011	5/26/2011	5/27/2011	5/27/2011	5/27/2011	5/31/2011	5/31/2011	5/31/2011	5/12/2011	5/12/2011
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	8.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	1.4 J	3.1 J	12	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	5 U	7.9	77	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 U	1 U	2.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	0.65 J	1 U	1 U	0.57 J	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1.7	16	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	0.96 J	1 U	1 U	0.61 J	1 U	0.62 J	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	190 E	1 U	1 U	1 U	1 U	1 U	36	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.63 J	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	11	14	1 U	1 U	1 U	1 U	7.1	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 6B - SUMMARY OF DIRECT-PUSH SOIL SAMPLE
VALIDATED ANALYTICAL RESULTS
FORMER PLAZA CLEANERS (SITE #130108)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample Location	PC-B-01	PC-B-02	PC-B-03	PC-B-04	PC-B-05	PC-B-05 DUP
Sample Depth (Feet bgs)	44	40	24	39	25	-
Sample Date	6/23/2009	6/24/2009	6/24/2009	6/25/2009	6/26/2009	6/26/2009
VOCs Method 8260 (ug/kg)						
Dichlorodifluoromethane	33 U	26 U	26 U	27 U	27 U	29 U
Chloromethane	33 U	26 U	26 U	27 U	27 U	29 U
Vinyl Chloride	33 U	26 U	26 U	27 U	27 U	29 U
Bromomethane	33 U	26 U	26 U	27 U	27 U	29 U
Chloroethane	33 U	26 U	26 U	27 U	27 U	29 U
Trichlorofluoromethane	33 U	26 U	26 U	27 U	27 U	29 U
1,1,2-Trichlorotrifluoroethane	33 U	26 U	26 U	27 U	27 U	29 U
1,1-Dichloroethene	33 U	26 U	26 U	27 U	27 U	29 U
Acetone	160 UJ	130 UJ	130 UJ	130 UJ	140 UJ	140 UJ
Carbon Disulfide	33 U	26 U	26 U	27 U	27 U	29 U
Methyl tert-butyl Ether	33 U	26 U	26 U	27 U	27 U	29 U
Methyl Acetate	33 U	26 U	26 U	27 U	27 U	29 U
Methylene Chloride	33 U	26 U	26 U	27 U	27 U	29 U
trans-1,2-Dichloroethene	33 U	26 U	26 U	27 U	27 U	29 U
1,1-Dichloroethane	33 U	26 U	26 U	27 U	27 U	29 U
Cyclohexane	33 U	26 U	26 U	27 U	27 U	29 U
2-Butanone	160 U	130 U	130 U	130 U	140 U	140 U
Carbon Tetrachloride	33 U	26 U	26 U	27 U	27 U	29 U
cis-1,2-Dichloroethene	33 U	26 U	26 U	27 U	27 U	29 U
Chloroform	33 U	26 U	26 U	27 U	27 U	29 U
1,1,1-Trichloroethane	33 U	26 U	26 U	27 U	27 U	29 U
Methylcyclohexane	33 U	26 U	26 U	27 U	27 U	29 U
Benzene	33 U	26 U	26 U	27 U	27 U	29 U
1,2-Dichloroethane	33 U	26 U	26 U	27 U	27 U	29 U
Trichloroethene	33 U	26 U	26 U	27 U	27 U	29 U
1,2-Dichloropropane	33 U	26 U	26 U	27 U	27 U	29 U
Bromodichloromethane	33 U	26 U	26 U	27 U	27 U	29 U
4-Methyl-2-Pentanone	160 U	130 U	130 U	130 U	140 U	140 U
Toluene	33 U	26 U	26 U	27 U	27 U	29 U
t-1,3-Dichloropropene	33 U	26 U	26 U	27 U	27 U	29 U
cis-1,3-Dichloropropene	33 U	26 U	26 U	27 U	27 U	29 U
1,1,2-Trichloroethane	33 U	26 U	26 U	27 U	27 U	29 U
2-Hexanone	160 U	130 U	130 U	130 U	140 U	140 U
Dibromochloromethane	33 U	26 U	26 U	27 U	27 U	29 U
1,2-Dibromoethane	33 U	26 U	26 U	27 U	27 U	29 U
Tetrachloroethene	33 U	26 U	26 U	27 U	27 U	29 U
Chlorobenzene	33 U	26 U	26 U	27 U	27 U	29 U
Ethyl Benzene	33 U	26 U	26 U	27 U	27 U	29 U
m/p-Xylenes	66 U	52 U	52 U	53 U	55 U	57 U
o-Xylene	33 U	26 U	26 U	27 U	27 U	29 U
Styrene	33 U	26 U	26 U	27 U	27 U	29 U
Bromoform	33 U	26 U	26 U	27 U	27 U	29 U
Isopropylbenzene	33 U	26 U	26 U	27 U	27 U	29 U
1,1,2,2-Tetrachloroethane	33 U	26 U	26 U	27 U	27 U	29 U
1,3-Dichlorobenzene	33 U	26 U	26 U	27 U	27 U	29 U
1,4-Dichlorobenzene	33 U	26 U	26 U	27 U	27 U	29 U
1,2-Dichlorobenzene	33 U	26 U	26 U	27 U	27 U	29 U
1,2-Dibromo-3-Chloropropane	33 U	26 U	26 U	27 U	27 U	29 U
1 1,2,4-Trichlorobenzene	33 U	26 U	26 U	27 U	27 U	29 U

Notes:
All concentrations are in ug/kg
U - Not Detected; Reporting limit shown
J - Estimated

TABLE 7 - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER MUNSEY CLEANERS (SITE #130081)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-18

Parameter	NYSDEC Class GA Standard or Guidance Value (µg/l)	MC-3 9/10/2008 µg/L	MC-3 5/12/2010 µg/L	MC-3 10/21/2010 µg/L	MC-5 9/10/2008 µg/L	MC-5 5/12/2010 µg/L	MC-5 10/21/2010 µg/L	MC-6B 9/10/2008 µg/L	MC-6B 5/12/2010 µg/L	MC-6B 10/21/2010 µg/L	MC-X (MC-6B DUP) 10/21/2010 µg/L	MC-6C 9/10/2008 µg/L	MC-6C 5/12/2010 µg/L	MC-6C 10/21/2010 µg/L	MC-7A 9/10/2008 µg/L	MC-7A 5/12/2010 µg/L	MC-7A 10/21/2010 µg/L	MC-7B 9/10/2008 µg/L	MC-7B 5/12/2010 µg/L	MC-7B 10/21/2010 µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	5 U	7.4	6.2	5 U	7.7	7.5	5 U	5.5	5 U	10 J	5 U	5.9	5 U	5 U	5 U	5 U	5 U	5 U	6.3
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2
CarbonTetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	0.57 J	1 U	1 U	1 U	1.2	4.1	3.5	4.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	45	22	17	1 U	1 U	1 U	1.1	1 U	1 U	1 U	21	7.5	5	1.3	1 U	1 U	18	5.8	1.1
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	7.6	1 U	0.59 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.87 J	0.69 J	0.58 J	6.6	0.66 J	1 U	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	670	390	240 E	91 J	2.3 J	84	47 J	16	9.6	13	120	100	57	380	290	150 E	240	260	410 E
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	2.2	0.77 J	0.65 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.72 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	17	12	10	0.67 J	1 U	1 U	3	1 U	0.92 J	1 U	12	3.6	3.2	0.8 J	1 U	0.53 J	3.8	2.2	1.8
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

N - Tentative in identification

TABLE 7 - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER MUNSEY CLEANERS (SITE #130081)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-18

Parameter	NYSDEC Class GA Standard or Guidance Value (µg/l)	MC-7C 9/10/2008 µg/L	MC-7C 5/12/2010 µg/L	MC-7C 10/21/2010 µg/L	MC-8A 9/10/2008 µg/L	MC-8A 5/12/2010 µg/L	MC-8A 10/21/2010 µg/L	MC-8B 9/10/2008 µg/L	MC-8B 5/12/2010 µg/L	MC-8B 10/21/2010 µg/L	MC-8C 9/10/2008 µg/L	MC-8C 5/12/2010 µg/L	MC-8C 10/21/2010 µg/L	MC-9A 9/10/2008 µg/L	MC-9A 5/12/2010 µg/L	MC-9A 10/21/2010 µg/L	MC-9B 9/10/2008 µg/L	MC-9B 5/12/2010 µg/L	MC-9B 10/21/2010 µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
Acetone	50*	5 U	5 U	5.1	5 U	4.8 J	5 UJ	5 U	5.1	10	5 U	7	8.1	5 U	6.8	7.2	1 U	7.1	7.8
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CarbonTetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	17	18	14	1 U	1 U	1 U	0.58 J	1 U	1 U	0.53 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	870	580	290 E	1.8 J	21	1 U	28 J	14	1 U	42 J	17	20	4.8 J	1 U	1 U	1 J	6.2	7.2
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	2.5	4.1	4.2	1 U	1 U	1 U	0.63 J	1 U	1 U	0.87 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

N - Tentative in identification

TABLE 7 - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER MUNSEY CLEANERS (SITE #130081)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-18

Parameter	NYSDEC Class GA Standard or Guidance Value (µg/l)	MC-9C 9/10/2008 µg/L	MC-9C 5/12/2010 µg/L	MC-9C 10/21/2010 µg/L	MC-10A 9/10/2008 µg/L	MC-10A 5/13/2010 µg/L	MC-10A 10/21/2010 µg/L	MC-10B 9/10/2008 µg/L	MC-10B 5/13/2010 µg/L	MC-10B 10/21/2010 µg/L	MC-10C 9/10/2008 µg/L	MC-10C 5/13/2010 µg/L	MC-10C 10/21/2010 µg/L	MC-11A 9/10/2008 µg/L	MC-11A 5/12/2010 µg/L	MW-XZ (MC-11A Dup) 5/12/2010 µg/L	MC-11A 10/21/2010 µg/L	MW-Y (MC-11A Dup) 10/21/2010 µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.6	2.4	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	5 U	5.6	8.3 J	5 U	5 U	13	5 U	5 U	12	5 U	5 U	8.3	5 U	5.5	5 U	5.2	5 UJ
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 U	1 UJ	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CarbonTetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	0.51 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 J	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	0.69 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	31 J	30	40	1 U	1 U	1 U	1 UJ	0.65 J	1 U	1 UJ	1.5 J	1 U	4.9	17	14	17	20
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 J	3.2	4.3	1 U	1 U	1 U	1 U	1 U	1 U	1.7	2.4 NJ	1 U	4.5	9.6	8.7	14	16
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

N - Tentative in identification

TABLE 7 - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER MUNSEY CLEANERS (SITE #130081)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-18

Parameter	NYSDEC Class GA Standard or Guidance Value (µg/l)	MC-11B 9/10/2008 µg/L	MC-11B 5/12/2010 µg/L	MC-11B 10/21/2010 µg/L	MC-11C 9/10/2008 µg/L	MC-X (MC-11C DUP) 9/10/2008 µg/L	MC-11C 5/12/2010 µg/L	MC-11C 10/21/2010 µg/L	MC-12B 9/10/2008 µg/L	MC-12B 5/12/2010 µg/L	MC-12B 10/21/2010 µg/L	MC-12C 9/10/2008 µg/L	MC-12C 5/12/2010 µg/L	MC-12C 10/21/2010 µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	5 U	5 U	12	5 U	5 U	5 U	3.8 J	5 U	5 U	4.7 J	5 U	5 U	5
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1.5	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CarbonTetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	0.66 J	1	1.4	1 U	1 U	1 U	1 U	25	15	14	6.2	5.5	4
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6	3.1	3.6	1 U	0.91 J	0.95 J
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	7.1	10	6.8	1 U	1 U	1 U	1 U	420	640	390 E	170	170	130
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.95 J	0.55 J	1 U	1 U	1 U	1 U
Trichloroethene	5	14	23	24	1 U	1 U	1 U	1 U	40	22	21	32	47	35
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

N - Tentative in identification

TABLE 8 - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER PLAZA CLEANERS (SITE #130108)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample ID	NYSDEC Class GA Standard or Guidance Value (ug/l)	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-4	MW-4	MW-5	MW-X (MW-5 Dup)	MW-5	MW-6	MW-6	MW-7	MW-7	PC-1A	PC-1A
Sampling Date		5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.5 J	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	6.5	5 U	5.6	5 U	5.5	5 U	9.6	5 U	5 U	5 U	5 U	4.3 J	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	0.74 J	1 U	0.54 J	1 U	1 U	1 U	0.57 J	1 U	1 U	0.66 J	1 U	1 U	1 U	0.58 J	1 U	1.8
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	2.8	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	40	58	510	640 E	93	77	21	53	1200	1400	230 E	3.2	1.4	120	18	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1.1	2.6	1 U	1 U	1 U	1 U	3.7	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 8 - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER PLAZA CLEANERS (SITE #130108)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample ID	NYSDEC Class GA Standard or Guidance Value (ug/l)	PC-1B	PC-1B	PC-1C	PC-1C	PC-2A	PC-2A	PC-2B	PC-2B	PC-2C	PC-2C	PC-3	PC-3	PC-4A	PC-4A	PC-4B	PC-4B	PC-4C	PC-4C
Sampling Date		5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	6.8	5 U	5 U	5 U	6.6	5 U	7.5	5 U	5 U	5 U	7.7	5 U	5.4	14	5.5	15	6.4	8.4
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	0.96 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	13	2.8	16	1 U	1 UJ	1 U	1.6 J	0.7 J	16	13	1 U	1 U	2.1	1 U	1.4	1 U	1 UJ	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1.8	1.2	2.2	1 U	1 U	1 U	1 U	1 U	13	23	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 8 - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER PLAZA CLEANERS (SITE #130108)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample ID	NYSDEC Class GA Standard or Guidance Value (ug/l)	PC-5B	PC-5B	PC-5C	PC-5C	PC-6A	PC-6A	PC-6B	PC-6B	PC-6C	PC-6C	PC-7A	PC-7A	PC-7B	PC-7B	PC-7C	PC-7C
Sampling Date		5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	6.8	5 U	5 U	5 U	7	8.7	9.3	12	9 J	8.6	11	5 U	5 U	5 U	5 U	6.1
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.67 J	1 U	1 U	0.73 J	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	21	15	52	49	1 U	1 U	23	25	1 U	1 U	0.93 J	1 U	0.58 J	1 U	0.69 J	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.68 J
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1.2	1.5	1 U	1 U	2	2.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	430 J	280	390	260 E	1.3 J	1 U	820	240 E	1 UJ	1 U	240	52	130	4.5	69	14
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	0.92 J	0.69 J	1.2	1.2	1 U	1 U	0.75 J	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	13	8.6	19	14	1 U	1 U	36	34	1 U	1 U	4.9	1.1	2.4	1 U	4.1	3.1
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 8 - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER PLAZA CLEANERS (SITE #130108)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample ID	NYSDEC Class GA Standard or Guidance Value (ug/l)	PC-8A	PC-8A	PC-8B	PC-8B	PC-8C	PC-8C	PC-9	PC-9	PC-10B	PC-10B	PC-10C	PC-10C	PC-11A	PC-11A	PC-11B	PC-11B
Sampling Date		5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	6.1	5 U	5.4	5 U	6.2	5 U	8.2	5 U	5.6	5 U	4.6 J	5 U	6.2	7.2	5.5	9.6
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.71 J	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	2.4	6.2	57	52	2.7	1.1	0.65 J	0.62 J	1 U	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	0.57 J	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	4.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 8 - SUMMARY OF GROUNDWATER SAMPLES - VALIDATED ANALYTICAL RESULTS
FORMER PLAZA CLEANERS (SITE #130108)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-14.1

Sample ID	NYSDEC Class GA Standard or Guidance Value (ug/l)	PC-12A	PC-12A	PC-12B	PC-12B	PC-12C	PC-12C	PWSH-1	PWSH-1	PWSH-2	PWSH-2	TRIPBLANK	TRIPBLANK	TRIPBLANK	TRIPBLANK	TRIPBLANK	TRIPBLANK
Sampling Date		5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/12/2010	10/21/2010	5/20/2010	10/21/2010	5/20/2010	10/21/2010	5/13/2010	5/14/2010	5/12/2010	10/21/2010	10/21/2010	10/21/2010
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	6	5 UJ	6.8	5 U	6.6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	0.73 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.83 J	1 U	1 U	0.83 J	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene	0.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	3.5	1.8	0.84 J	2	1.4	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard or Guidance

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 9 - SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS
FORMER MUNSEY CLEANERS (SITE #130081)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-18

Parameter	NYSDEC Class C Standard or Guidance Value (µg/l)	MC-SFC-01 1/23/2008 µg/L	MC-SFC-1 5/13/2010 µg/L	MC-SFC-1 10/22/2010 µg/L	MC-Z (Dup MC-SFC-1) 10/22/2010 µg/L	MC-SFC-1 10/3/2011 µg/L	MC-SFC-02 1/23/2008 µg/L	MC-SFC-2 5/13/2010 µg/L	MC-SFC-2 10/22/2010 µg/L	MC-SFC-2 10/3/2011 µg/L
1,1,1-Trichloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane		1 U	1 U	1 U	0.74 J	1	1 U	1 U	1 U	1 U
1,2-Dichloropropane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone		5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Benzene	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CarbonTetrachloride		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	400 or 5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
cis-1,2-Dichloroethene		2.7	3.7	2.2	2.2	2.3	0.89 J	1.6	0.58 J	1.1
cis-1,3-Dichloropropene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	150* or 17*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	23* or 2.6*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	590* or 65*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether		3.4	4.4	3.1	2.9	7.7	1.7	3	1.4	4
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	590* or 65*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1*	13	15	6.8	6.7	6.8	14	12	5.4	7.7
Toluene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	6000, 480*, or 100*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	40	1.4	0.99 J	1 U	1 U	0.47 J	0.56 J	1 U	1 U	1 U
Trichlorofluoromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes

- Concentration exceeds corresponding NYSDEC Class C Standard or Guidance Value from TOGS 1.1.1 - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

* Guidance Value

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 9 - SUMMARY OF SURFACE WATER SAMPLE ANALYTICAL RESULTS
FORMER MUNSEY CLEANERS (SITE #130081)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-18

Parameter	NYSDEC Class C Standard or Guidance Value (µg/l)	MC-SFC-03	MC-SFC-3	MC-SFC-3 Dup	MC-SFC-3	MC-SFC-3	MC-SFC-3 Dup	MC-SFC-4	MC-SFC-4	MC-SFC-4
		1/23/2008	5/13/2010	5/13/2010	10/22/2010	10/3/2011	10/3/2011	5/13/2010	10/21/2010	10/3/2011
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1-Trichloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CarbonTetrachloride		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	400 or 5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene		1.3	0.7 J	0.72 J	1.4	2	1.5	1 U	1 U	1 U
cis-1,3-Dichloropropene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Benzene	150* or 17*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	23* or 2.6*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	590* or 65*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether		1 U	0.72 J	0.81 J	0.57 J	1.2	0.88 J	1 U	1 U	0.48 J
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	590* or 65*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
t-1,3-Dichloropropene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1*	6.8	2.5	2.8	5.2	8.5	9	3	2.2	2.4
Toluene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	6000, 480*, or 100*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	40	1 U	1 U	1 U	0.53 J	0.97 J	0.93 J	1 U	1 U	0.49 J
Trichlorofluoromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes

- Concentration exceeds corresponding NYSDEC Class C Standard or Guidance Value from TOGS 1.1.1 - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

* Guidance Value

U - Compound not detected, Reporting Limit provided.

J - Estimated

TABLE 9 - SUMMARY OF SURFACE WATER SAMPLE
ANALYTICAL RESULTS
FORMER MUNSEY CLEANERS (SITE #130081)
NORTH HEMPSTEAD, NEW YORK
WORK ASSIGNMENT #D-004439-18

Parameter	NYSDEC Class C Standard or Guidance Value (µg/l)	PC-SFC-1 10/22/2010 µg/L	PC-SFC-2 10/22/2010 µg/L
1,1,1-Trichloroethane		1 U	1 U
1,1,2,2-Tetrachloroethane		1 U	1 U
1,1,2-Trichloroethane		1 U	1 U
1,1,2-Trichlorotrifluoroethane		1 U	1 U
1,1-Dichloroethane		1 U	1 U
1,1-Dichloroethene		1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U
1,2-Dibromo-3-Chloropropane		1 U	1 U
1,2-Dibromoethane		1 U	1 U
1,2-Dichlorobenzene	5	1 U	1 U
1,2-Dichloroethane		1 U	1 U
1,2-Dichloropropane		1 U	1 U
1,3-Dichlorobenzene	5	1 U	1 U
1,4-Dichlorobenzene	5	1 U	1 U
2-Butanone		5 U	5 U
2-Hexanone		5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U
Acetone		5 U	5 U
Benzene	10	1 U	1 U
Bromodichloromethane		1 U	1 U
Bromoform		1 U	1 U
Bromomethane		1 U	1 U
Carbon Disulfide		1 U	1 U
CarbonTetrachloride		1 U	1 U
Chlorobenzene	400 or 5	1 U	1 U
Chloroethane		1 U	1 U
Chloroform		1 U	1 U
Chloromethane		1 U	1 U
cis-1,2-Dichloroethene		0.64 J	1 U
cis-1,3-Dichloropropene		1 U	1 U
Cyclohexane		1 U	1 U
Dibromochloromethane		1 U	1 U
Dichlorodifluoromethane		1 U	1 U
Ethyl Benzene	150* or 17*	1 U	1 U
Isopropylbenzene	23* or 2.6*	1 U	1 U
m/p-Xylenes	590* or 65*	2 U	2 U
Methyl Acetate		1 U	1 U
Methyl tert-butyl Ether		1 U	1 U
Methylcyclohexane		1 U	1 U
Methylene Chloride		1 U	1 U
o-Xylene	590* or 65*	1 U	1 U
Styrene		1 U	1 U
t-1,3-Dichloropropene		1 U	1 U
Tetrachloroethene	1*	5.1	0.82 J
Toluene		1 U	1 U
trans-1,2-Dichloroethene	6000, 480*, or 100*	1 U	1 U
Trichloroethene	40	1.3	1 U
Trichlorofluoromethane		1 U	1 U
Vinyl Chloride		1 U	1 U

Notes

- Concentration exceeds corresponding NYSDEC Class C Standard or Guidance Value from TOGS 1.1.1 - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

* Guidance Value

U - Compound not detected, Reporting Limit provided.

J - Estimated

Appendix A

Soil Boring and Monitoring Well Construction Logs

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **5**
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**
DRILLING CONTRACTOR					MEAS. PT. ELEV.
PURPOSE					GROUND ELEV.
WELL MATERIAL					DATUM
DRILLING METHOD(S)		SAMPLE	CORE	CASING	DATE STARTED **7/22/08**
DRILL RIG TYPE **CME 75**	TYPE				DATE FINISHED **7/23/08**
GROUND WATER DEPTH **27.0'**	DIA.	"			DRILLER **Chris - ADT**
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **C. Whipple**
DATE OF MEASUREMENT	FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
0			0 ppm		Moist, clayey silt.			
2								
4								
6								
8								
10			20 ppm		Medium to coarse sand with fine to medium gravel.	10.0		
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			24 ppm					
22								
24								
26								▼
28								
30			6 ppm					
					S.A.A., color changes to reddish brown.	31.5		
32								
34								
36								
38								
40								
42								
								43.0
44								
								46.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48							47.0 48.0	Port 1
50			0 ppm				51.0 53.0	
52							54.0 55.0	Port 2
54							58.0	
56							61.0 62.0 63.0	Port 3
58							65.0	
60							71.0 72.0	
62								
64								
66								
68								
70			0 ppm					

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74							73.0	Port 4
76							75.0	
78								
80					Coarse gravel.	80.0	80.0	
82					Coarse sandy gravel.	82.0	82.0	Port 5
84							83.0	
86							84.0	
88							88.0	
90			0 ppm				89.0	
92							90.0	Port 6
94							93.0	
96							97.0	
							98.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-01
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Grey silty fine sand.	98.0		99.0 Port 7
100						100.0		100.0

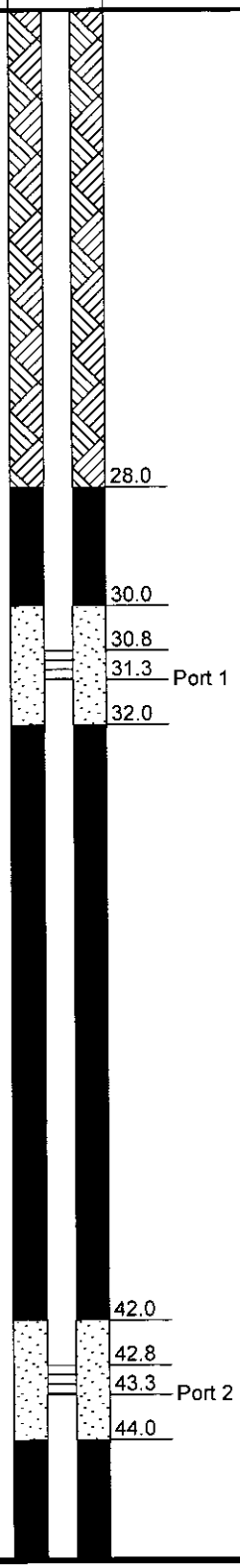
MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **5**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**	
DRILLING CONTRACTOR					MEAS. PT. ELEV.	
PURPOSE					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S)			SAMPLE	CORE	CASING	DATE STARTED **7/23/08**
DRILL RIG TYPE **CME 85**		TYPE				DATE FINISHED **7/24/08**
GROUND WATER DEPTH **47.0'**		DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Brown fine to medium sand, occasional fine gravel.			
4								
6								
8								
10						10.0		
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22			0 ppm					
24								
26								
28								
30								
32								
34								
36								
38								
40			0 ppm					
42								
44								



MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Light brown fine to medium sand with fine gravel.	47.0		▼
48								
50								
52								
54								54.0 54.8 55.3 Port 3 56.0
56								
58					Green to gray, dense clay with silt.	58.0		
60			0 ppm					60.0
62								
64								
66								
68								
70								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76								
78								
80			0 ppm					
82								
84								
86								86.0
88								
90					Brown, fine to medium occasional fine gravel.	90.0		90.0 90.8 91.3 Port 4 92.0
92								
94								
96			0 ppm					97.0 97.8

MALCOLM PIRNIE	TEST BORING LOG	BORING No.CMT-02
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
100						98.3 100.0	Port 7	

MALCOLM PIRNIE — TEST BORING LOG — BORING No.MC-10

PROJECT	Munsey Cleaners OU-2	LOCATION	Port Washington, NY	SHEET	1 OF 3
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266372
DRILLING CONTRACTOR				MEAS. PT. ELEV.	
PURPOSE				GROUND ELEV.	
WELL MATERIAL				DATUM	
DRILLING METHOD(S)		SAMPLE	CORE / CASING	DATE STARTED	7/15/08
DRILL RIG TYPE	CME 75 & 85	TYPE		DATE FINISHED	7/16/08
GROUND WATER DEPTH	15.0'	DIA.	"	DRILLER	Shaun - ADT
MEASURING POINT		WEIGHT	#	PIRNIE STAFF	E. Moskal
DATE OF MEASUREMENT		FALL	"		

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Brown, fine to medium sand with trace fine gravel.			
4								
6					Gray to green clay.	6.0	6.0	
8							8.0	
10							10.0	
12								
14								
16					Brown fine to medium sand with occassional fine gravel.	15.0		
18							20.0	

MALCOLM PIRNIE

TEST BORING LOG

BORING No.MC-10

PROJECT **Munsey Cleaners OU-2** | LOCATION **Port Washington, NY** | SHEET **2** OF **3**

CLIENT **New York State Department of Environmental Conservation** | PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22			0 ppm				22.0	
24							24.0	
26								
28								
30								
32								
34								
36							36.0	
38							38.0	
40			0 ppm				40.0	
42								
44							45.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-10
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **3**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
48							47.0	
							49.0	
50								
							52.0	
52								
							54.0	
54								
56								
58							58.0	
60			0 ppm					
62							63.0	
64						64.0	64.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **6**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**	
DRILLING CONTRACTOR					MEAS. PT. ELEV.	
PURPOSE					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S)			SAMPLE	CORE	CASING	DATE STARTED **7/16/08**
DRILL RIG TYPE **CME 75 & 85**		TYPE				DATE FINISHED **7/22/08**
GROUND WATER DEPTH **74.0'**		DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			0 ppm		Light brown to brown fine medium sand with occasional fine gravel .			
2								
4								
6								
8								
10								
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **6**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			0 ppm					
22								
24								
26								
28								
30								
32								
34								
36								
38								
40			0 ppm					
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11
PROJECT Munsey Cleaners OU-2	LOCATION Port Washington, NY	SHEET 3 OF 6
CLIENT New York State Department of Environmental Conservation		PROJECT No. 0266372

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48								
50								
52								
54								
56								
58								
60			0 ppm					
62								
64								
66								
68								
70							69.0	
							71.0	

MALCOLM PIRNIE

TEST BORING LOG

BORING No.MC-11

PROJECT **Munsey Cleaners OU-2** | LOCATION **Port Washington, NY** | SHEET **4** OF **6**

CLIENT **New York State Department of Environmental Conservation** | PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
74						73.0		
76								
78								
80			0 ppm					
82						83.0		
84						85.0		
86						87.0		
88								
90								
92								
94						94.0		
96						96.0		
						98.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **5** OF **6**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
100			0 ppm					
102							103.0	
104							105.0	
106							107.0	
108								
110								
112								
114								
116								
118							119.0	
120			0 ppm				121.0	
122							123.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-11
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **6** OF **6**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
126								
128					Gray clay	128.0	128.0	
130							130.0	
132						132.0	132.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **5**
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**
DRILLING CONTRACTOR					MEAS. PT. ELEV.
PURPOSE					GROUND ELEV.
WELL MATERIAL					DATUM
DRILLING METHOD(S)		SAMPLE	CORE	CASING	DATE STARTED **7/17/08**
DRILL RIG TYPE **CME 85**	TYPE				DATE FINISHED **7/21/08**
GROUND WATER DEPTH **-0.5'**	DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT	FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Brown to tan moist clayey till.			▼
4								
6								
8								
10								
12					Brown, moist silty fine sand.	11.5		
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			0 ppm					
					Gray clayey silt. Clay ribbons throughout unit.	21.0		
22								
24								
26								
28								
30								
32								
34								
36								
38								
40			0 ppm					
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48								
50								
52					Reddish-brown silty clay. Medium sand lense from 61.5 -62 feet bgs.	51.0		
54								
56								
58								58.0
60			0 ppm					60.0
62								62.0
64								
66								
68								67.0
70								69.0
								71.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76								
78								
80			0 ppm		Very coarse sand with medium gravel.	80.0		
82								
84								
86								
88								
90								
92								91.0 93.0
94			0 ppm		Medium sand with silt.	94.0		95.0
96								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-12
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100						100.0	100.0	

MALCOLM PIRNIE — TEST BORING LOG — BORING No.MC-5

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**		SHEET **1** OF **2**
CLIENT **New York State Department of Environmental Conservation**			PROJECT No. **0266372**
DRILLING CONTRACTOR			MEAS. PT. ELEV.
PURPOSE			GROUND ELEV.
WELL MATERIAL			DATUM
DRILLING METHOD(S)		SAMPLE / CORE / CASING	DATE STARTED **7/8/08**
DRILL RIG TYPE **CME 75**	TYPE		DATE FINISHED **7/8/08**
GROUND WATER DEPTH **24.0'**	DIA.	"	DRILLER **Bernie - ADT**
MEASURING POINT	WEIGHT	#	PIRNIE STAFF **C. Whipple**
DATE OF MEASUREMENT	FALL	"	

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Light brown fine to medium sand, some gravel. Loose and dry.			
14			0 ppm					
16					Light brown fine to medium sand, loose and dry.	16.5		
18								18.0
								20.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-5
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **2**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22								22.0
24								▼
					Light brown fine to medium sand with small gravel.	25.0		
26								
28								
30			0 ppm					
32						32.0		32.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-6

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**	
DRILLING CONTRACTOR					MEAS. PT. ELEV.	
PURPOSE					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S)			SAMPLE	CORE	CASING	DATE STARTED **7/7/08**
DRILL RIG TYPE **CME 75 & 85**		TYPE				DATE FINISHED **7/8/08**
GROUND WATER DEPTH **35.0'**		DIA.	"			DRILLER **Bernie - ADT**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **C. Whipple**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Dark brown fine to medium sand with some fine gravel.			
4								
6								
8								
10								
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-6
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
20			0 ppm					
22								
24								
26								
28								
30								
32								
34								▼
36								
38								
40			0 ppm		Brown to red fine sand with some medium sand.	40.0		
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-6
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48								
50								
52								
54								54.0
56								
58								
60			0 ppm					
62								62.0
64								65.0
66								
68								
70								70.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-6
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74							73.0	
76							75.0	
78								
80			0 ppm				80.0	
82							82.0	
84								
86							85.0	
88								
90			0 ppm			90.0	90.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-7

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**
DRILLING CONTRACTOR					MEAS. PT. ELEV.
PURPOSE					GROUND ELEV.
WELL MATERIAL					DATUM
DRILLING METHOD(S)		SAMPLE	CORE	CASING	DATE STARTED **7/7/08**
DRILL RIG TYPE **CME 85**	TYPE				DATE FINISHED **7/9/08**
GROUND WATER DEPTH **27.0'**	DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT	FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
0			0 ppm		Fine to medium sand with clayey silt and occasional gravel.			
10					Coarse sand and gravel with occasional silty zones.	10.5		

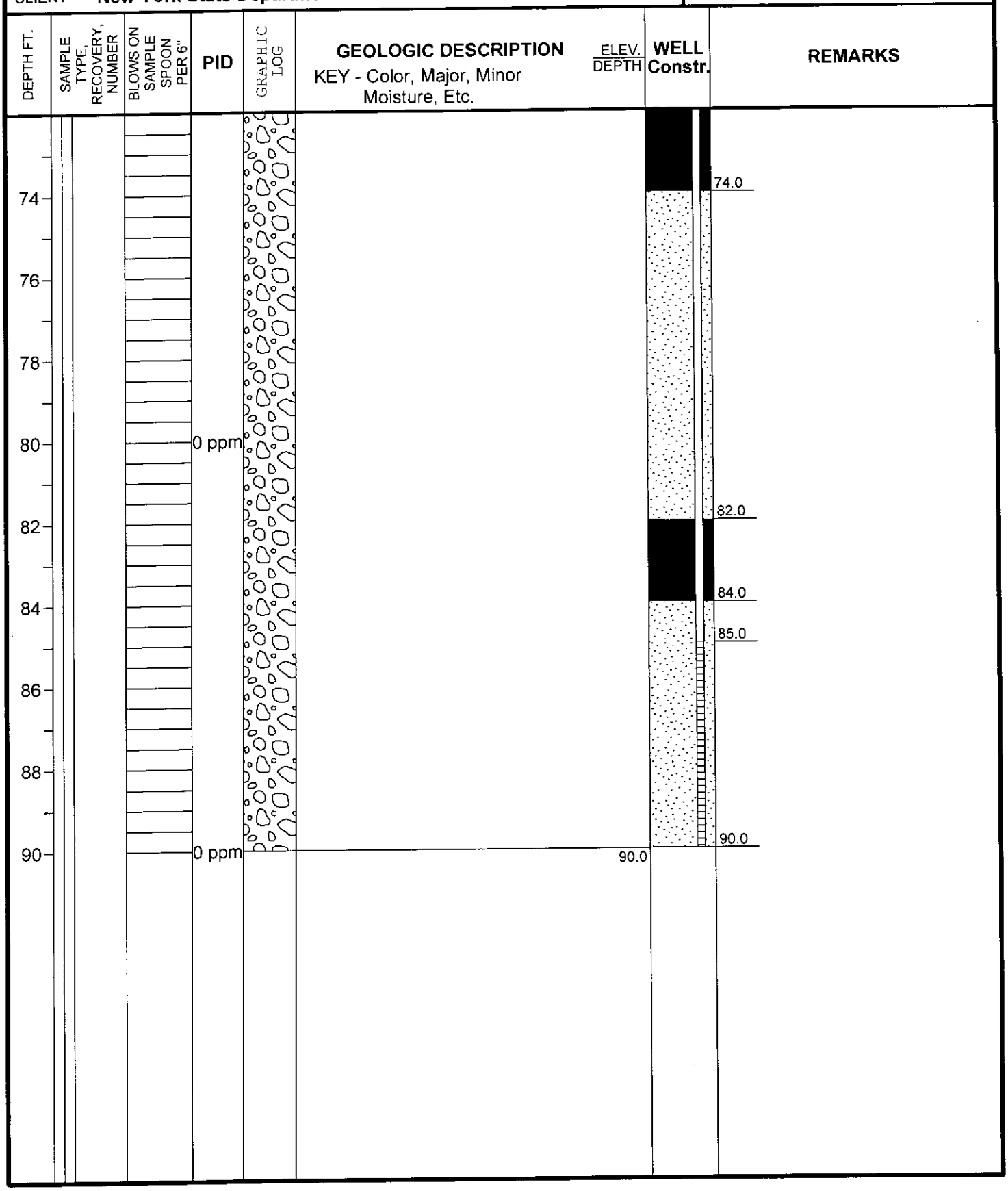
MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-7
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
20			0 ppm					
22								
24								
26								▼
28								
30								
32								
34								
36								36.0
38								38.0
40			0 ppm					40.0
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-7
PROJECT Munsey Cleaners OU-2	LOCATION Port Washington, NY	SHEET 3 OF 4
CLIENT New York State Department of Environmental Conservation		PROJECT No. 0266372

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
48								
50								50.0
52								53.0
54								54.0
56								
58								
60			0 ppm					61.0
62								62.0
64								64.0
66								
68								69.0
70								72.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-7
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**



MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-8

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**
DRILLING CONTRACTOR					MEAS. PT. ELEV.
PURPOSE					GROUND ELEV.
WELL MATERIAL					DATUM
DRILLING METHOD(S)		SAMPLE	CORE	CASING	DATE STARTED **7/14/08**
DRILL RIG TYPE **CME 85**	TYPE				DATE FINISHED **7/15/08**
GROUND WATER DEPTH **52.0'**	DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT	FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
			0.5 ppm		Brown, medium to coarse sand with fine to medium gravel.			
2								
4								
6								
8								
10								
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-8
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22			1 ppm					
24								
26								
28								
30								
32								
34								
36								
38								
40			0 ppm					
42								
44								
							45.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-8
PROJECT Munsey Cleaners OU-2	LOCATION Port Washington, NY	SHEET 3 OF 4
CLIENT New York State Department of Environmental Conservation		PROJECT No. 0266372

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
48							47.0	
50								
52								▼
54								
56							57.0	
58								
60			0 ppm					
62								
64								
66								
68								
70							71.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-8
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
74							73.0	
76							75.0	
78								
80			0 ppm				80.0	
82							82.0	
84							83.0	
86							85.0	
88								
90			0 ppm				90.0	
							92.0	
						92.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-9

PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266372**	
DRILLING CONTRACTOR					MEAS. PT. ELEV.	
PURPOSE					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S)			SAMPLE	CORE	CASING	DATE STARTED **7/10/08**
DRILL RIG TYPE **CME 75 & 85**		TYPE				DATE FINISHED **7/11/08**
GROUND WATER DEPTH **40.0'**		DIA.	"			DRILLER **Shaun - ADT**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **C. Whipple**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0 ppm		Light brown fine to medium sand with gravel. Gray clay at 77 ft bgs.			
4								
6								
8								
10								
12								
14								
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-9
PROJECT Munsey Cleaners OU-2	LOCATION Port Washington, NY	SHEET 2 OF 4
CLIENT New York State Department of Environmental Conservation		PROJECT No. 0266372

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
20			0 ppm					
22								
24								
26								
28								
30								
32								
34								34.0
36								36.0
38								38.0
40			0 ppm					
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.MC-9
PROJECT **Munsey Cleaners OU-2**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **New York State Department of Environmental Conservation**		PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48							48.0	
50							50.0	
52								
54							55.0	
56							57.0	
58								
60			0 ppm					
62							62.0	
64							64.0	
66							66.0	
68							68.0	
70								

MALCOLM PIRNIE

TEST BORING LOG

BORING No.MC-9

PROJECT **Munsey Cleaners OU-2** | LOCATION **Port Washington, NY** | SHEET **4** OF **4**

CLIENT **New York State Department of Environmental Conservation** | PROJECT No. **0266372**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74			0 ppm			73.0 75.0 77.0		
						77.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-1 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **4**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/3/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **8/11/09**
GROUND WATER DEPTH	**24.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **E. Moskal**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
2			0		Gravel subbase.	1.5		
					Brown gravelly SAND (dry).	3.0		
4			0					
6			0					
8								
10					Orange/brown coarse SAND with pea-sized gravel. Saturated below 25 feet bgs.	10.0		
12			0					
14								
16			0				16.0	
18							18.0	
							20.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-1 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22			0					
24								▼
26								
28								
30			0					30.0
32								32.0
34								
36			0					36.0
38								
40			0		Coarse SAND with medium gravel. Appears to be zone of high transmissivity.	40.0		
42								43.0
44					Fine to medium SAND.	45.0		45.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-1 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48			0					
50			0					
52								
54								
56			0		Very coarse SAND with medium gravel.	55.0		
58								
60								
62								
64								
66			0		Brown, fine to medium SAND with medium gravel.	65.0		
68								
70								
			0					

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-1 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76			0		Gray, silty fine SAND with occasional gravel, sparse clay.	76.0		
78								
80			0				80.0	
82							82.0	
84								
86			0				85.0	
88								
90			0				90.0	
			0		Gray CLAY.	95.0	97.0	
						97.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **7**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **10/6/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **10/7/09**
GROUND WATER DEPTH	**60.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Medium brown well graded gravelly SAND (dry).	0.5		
2	5							
4								
6	.8							
8								
10	.8							
12								
14								
16	.9							
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	.9							
24								
26	1.25				Light brown poorly graded SAND (dry).	25.0		
28								
30					Light gray well graded gravelly SAND (dry).	30.0		
32	1.25				Brown poorly graded SAND with some iron staining (dry).	30.5		
34								
36	1.5							
38								
40	.75				Light tan well graded sandy GRAVEL, with iron staining (dry).	40.0		
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	.75							
48								
50	0							
52								
54								
					Light tan well graded SAND (dry).	55.0		
56	.7							
58								
60					Brown poorly sorted SAND, trace silt (moist).	60.0		
	.9				Medium to dark brown well graded SAND (moist).	61.0		
62								
64								
								65.0
					Medium brown well graded SAND with gravel (wet).	65.0		
66	2							
68								68.0
								70.0
70								
	1.6							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76	1.8							
78								
80	1.6							80.0
82								
84								
86	0							
88								
90	.4				Brown fine to medium SAND, some gravel, trace silt.	90.0		
92								
94								
96	.6				Brown/tan fine to medium SAND, 1-inch layer of cobble/gravel.	95.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100	1.2				Brown fine SAND, some silt.	100.0		
102								
104								
106	2				Gray SILT and CLAY. 2-inch medium sand layer.	105.0		
108								
110	2				2-inch coarse sand layer.			
112								
114								
116	2							
118								
120	2				Gray/blue silty CLAY, trace sand.	120.0		
122								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **6** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
126	2							
128								
130	2							
132					Gray/red fine to medium SAND (iron staining).	131.0	131.0 / 133.0	
134								
136	1.6				Color change to brown.		135.0	
138								
140					Color change to gray.		140.0	
142	1.8				Gray/brown clayey SILT to clayey SAND.	140.5		
144								
146	1.8				Brown medium SAND (loose).	145.0		
148								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-10 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **7** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2							
152					Reddish brown SILT and SAND (dense).	151.5		
154								
					Brown/tan fine SAND.	155.0		
156	1				Gray/red SILT and fine SAND (trace silty clay in shoe).	156.0		
						157.0		157.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **7**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **10/26/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **10/29/09**
GROUND WATER DEPTH	**46.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Orange/brown medium SAND (dry).	0.5		
2	5		0					
4								
					Orange/brown fine to medium SAND (dry).	5.0		
6	1.25		0					
8								
					Orange/brown well graded gravelly SAND (dry).	10.0		
10	.92		0					
12								
14								
					Orange/brown fine to medium SAND (dry).	15.0		
16	1		0		Orange/brown well graded SAND with fine gravel (dry).	16.0		
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

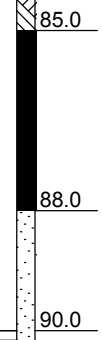
DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Tan/brown medium SAND (dry to wet at 31.5').	20.0		
	1.2		0					
22								
24								
26	1.25		0					
28								
30								
	1.25		0					
32								
34								
36	1.2		0		Medium brown sandy CLAY to clayey SILT (moist).	35.5		
					Brown fine to medium micaceous SAND (moist).	36.5		
38								
40					Medium brown SAND to silty SAND (moist).	40.0		
	1.4		0		Tan fine to coarse SAND (dry).	41.0		
42								
44								
					Medium brown fine to medium SAND (wet).	45.0		
								46.0 ▼

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.5		0					
48							48.0	
50							50.0	
	2		0		Medium reddish brown to light brown sandy SILT to silty SAND (wet).	51.0		
52								
54								
	2		0		Reddish brown to medium brown fine to medium SAND (wet).	55.0		
56								
58								
60							60.0	
	1.5		0					
62								
64								
66	2		0					
					Maroon to medium gray silty CLAY to clayey SILT (moist).	66.5		
68								
70								
	1.25		0					

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76	.92		0		Maroon and medium gray silty fine SAND to sandy SILT (moist).	76.0		
78								
80	2		0					
82								
84								
86	2		0		Color change to light to medium gray.			
88								
90	2		0					
92								
94								
96	2		0					



MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100						100.0		
102	2		0					
104								
106	2		0		Medium gray SILT, trace sand and clay.	105.0		
108								
110	2		0		Reddish gray clayey SILT (moist).	110.0		
112								
114								
116	2		0		Reddish gray CLAY, trace silt (moist).	115.0		
118								
120	2		0					
122								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **6** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
126	2		0					
128								
130	2		0					
132								
134								
136	2		0					
138								
140	2		0					
142								
144								
146	2		0					
148								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-11 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **7** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2		0					
152								
154								
156	2		0					
						157.0		157.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-2 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **4**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/13/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **8/18/09**
GROUND WATER DEPTH	**64.0'**	DIA.	**"**		**2**	DRILLER **Joe**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **K. Roe**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt/concrete.			
					Concrete.	0.1		
					SAND with pea-gravel.	1.0		
					Concrete.			
2	5		0		Light to medium yellow/brown fine to medium SAND, little pea-gravel (dry to moist).	1.3		
4						1.7		
6	1		0.5					
8								
10					Color grade to orange/red brown (moist).			
	1.2		0					
12								
14								
					Orange/brown fine to medium SAND, trace pea-gravel (moist).	15.0		
16	1.4		0.1					
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-2 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

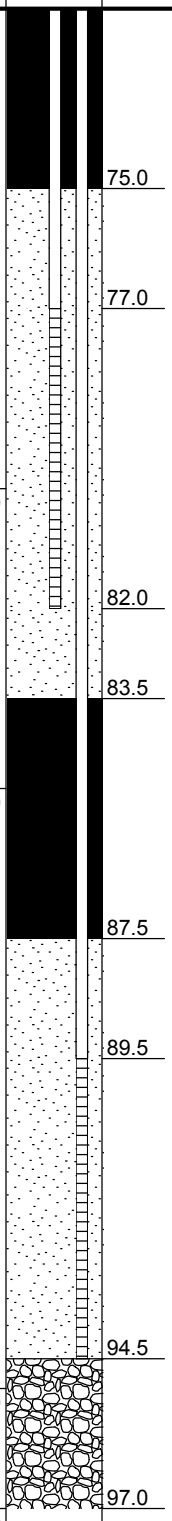
DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Light brown medium to coarse SAND, trace pea-gravel (dry to moist).	20.0		
	1.6		0					
22								
24								
					Light brown to orange/brown well graded SAND, trace pea-gravel (dry to moist).	25.0		
26	1.2		0					
28								
30					Light brown to orange/brown medium to coarse SAND (dry to moist).	30.0		
	1.2		0					
32								
34								
36	1.2		0					
38								
40					Light orange/brown medium SAND, some well graded gravel (moist to dry).	40.0		
	1		0					
42								
44								
					Light to orange/brown well graded gravelly SAND (moist to dry).	45.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-2 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
48	1		0					
50	1.1		0		Light tan to light brown fine to medium SAND, trace coarse sand and fine gravel (dry).	50.0		
52								
54								
56	1.2		0.5		Light brown to light orange/brown gravelly SAND (dry to wet).	55.0		56.0
58								58.0
60	1.3		0.9					60.0
62								
64								
66	1.2		0.1					
68								
70	1.5		0					70.0
								72.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-2 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
74								
76	0							
78								
80	2		1.5		Medium brown to orange/brown well graded SAND (wet).	80.0		
82								
84								
86	2		0		Light brown fine to medium SAND (wet).	85.0		
88								
90	2		0					
92								
94								
	1.5		0		Dark bluish-gray CLAY (very stiff, wet).	95.0		
						97.0		



MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-3

PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**				SHEET **1** OF **4**	
CLIENT **NYSDEC**					PROJECT No. **0266380**	
DRILLING CONTRACTOR **Buffalo Drilling**					MEAS. PT. ELEV.	
PURPOSE **Monitoring Well Installation**					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S) **Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/24/09**	
DRILL RIG TYPE **HSA**	TYPE			**PVC**	DATE FINISHED **8/25/09**	
GROUND WATER DEPTH **65.0'**	DIA.	**"**		**2**	DRILLER **Larry**	
MEASURING POINT	WEIGHT	**#**			PIRNIE STAFF **B. Jordan**	
DATE OF MEASUREMENT	FALL	**"**				

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2			0		Orange to tan gravelly SAND.			
4								
6	1.5		0					
8								
10	1.5		0					
12								
14								
16	1.5		0					
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-3
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

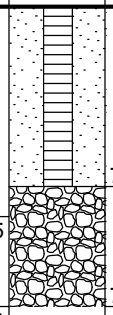
DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	1.5		0					
24								
					Orange to tan SAND with gravel.	25.0		
26	1.5		0					
28								
30	1.5		0					
32								
34								
36	1.5		0					
38								
40	1.5		0					
42								
44								
					Silty fine SAND to sandy SILT.	45.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-3
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.5		0					
48								
50	1		0					
52								
54								
56	1.5		0					
58								
60								59.5
	1.5		0		Orange fine SAND with some medium sand.	60.0		
62								62.0
64								
								65.0 ▼
66	1.5		0		Medium to coarse SAND with some find sand.	65.0		
68								
70								
	2		0		Medium to coarse SAND, occasional fine gravel.	70.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-3
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **4**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
	2		0		Gray CLAY.	75.5		
						77.0		



MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-4 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **3**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/26/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **8/28/09**
GROUND WATER DEPTH	**25.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Reddish brown sandy SILT.	0.5		
2	5		0					
4								
					Medium brown gravelly SAND.	5.0		
6	1.5		0					
8								
10					Tan SAND with some gravel.	10.0		
	1.5		0					
12								
14								
					Tan SAND, iron staining between 20-22 feet.	15.0		
16	1.5		0					
18								
							18.5	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-4 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **3**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	1		0				21.0	
24							23.0	
26	1.5		0		Tan SAND with some micaceous layers.	25.0		
28								
30	2		0					
32								
34							33.0	
36	1.75		0		3-inch layer of silty SAND.		36.0	
38							38.0	
40	1.5		0		Tan SAND to gravelly SAND.	40.0	40.0	
42								
44							45.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-4 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **3**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.25		0					
48								
50					Tan to orange gravelly SAND.	50.0		
	1.5		0					
52								53.0
54								
	0.33		0					56.0
56								
58								58.0
60					Gray fine to coarse SAND.	60.0		
	2		0					
62								63.0
64								
					Bluish-gray CLAY.	65.0		
	1.5		0					67.0
						67.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C

PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**				SHEET **1** OF **5**	
CLIENT **NYSDEC**					PROJECT No. **0266380**	
DRILLING CONTRACTOR **Buffalo Drilling**					MEAS. PT. ELEV.	
PURPOSE **Monitoring Well Installation**					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S) **Rotary**		SAMPLE	CORE	CASING	DATE STARTED **8/31/09**	
DRILL RIG TYPE **HSA**	TYPE			**PVC**	DATE FINISHED **9/16/09**	
GROUND WATER DEPTH **21.0'**	DIA.	**"**		**2**	DRILLER **Larry**	
MEASURING POINT	WEIGHT	**#**			PIRNIE STAFF **J. Hock/B. Jordan**	
DATE OF MEASUREMENT	FALL	**"**				

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Tan/orange medium SAND, some gravel (dry).	0.5		
2	5		0					
4								
					Brown/orange medium SAND (dry).	5.0		
6	1.5		0					
8								
10					Tan/brown medium SAND, some gravel (dry).	10.0		
	1.3		0					
12								
14								
	1.5		0					
16								
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Brown medium SAND, some gravel (wet).	20.0		▼
	1.2		0					
22								
24								
					Coarse GRAVEL.	25.0		
26	1.7		0		Gray clayey SILT, oxidized.	25.9		
28								
30					Tan medium to coarse SAND with gravel, oxidized.	30.2		
	2		0					
32					Brown medium SAND.	31.6		
34								
					Brown coarse SAND and GRAVEL, oxidized.	35.0		
36	1.7		0		Gray SAND and SILT.	35.8		
38								
40								
	2		0		Red fine to medium SAND, some gravel.	41.0		
42								
44								
					Gray CLAY, trace sand.	45.5		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2		0					
48								
50	.5		0					
52								
54								
								55.0
					Tan medium SAND with gravel.	55.0		
56	2		0					
					Color change to red.			
								57.5
58								
								60.0
60					Color change to brown/red.			
	2		0					
62								
64								
66	2		0					
68								
								70.0
70								
	0		0					

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74								
76	.3		0		Brown fine to medium SAND.	75.0		
78								
80	2		0		Brown medium SAND.	80.0		
82								
84								
86	1.5		0					
88								
90	0		0					
92								
94								
96	1		0		Brown fine to medium SAND.	95.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-5 B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100	2		0					
102								
104								
106	2		0					
108								
110	2		0				110.3	
112							113.0	
114							115.0	
116	2		0					
118								
120	1		0		Silty CLAY.	121.8	120.0	
						122.0	122.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **6**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **9/10/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **9/16/09**
GROUND WATER DEPTH	**60.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **K. Roe/E. Moskal**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Gravel subbase.	0.5		
2	5		0		Orange/brown well graded SAND, little to some well graded gravel (dry, loose).	1.0		
4								
6	1		0		Light to medium brown medium to coarse GRAVEL and fine to medium SAND, trace silt (dry).	5.0		
8								
10	1.7		0		Orange/brown fine SAND, trace silt (dry to moist).	10.0		
12								
14								
16	1.8		0					
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	1.6		0					
24								
26	1.8		0		Gray/brown fine SAND, little to trace silt (very moist to wet).	25.0		
28								
30	2		0					
32								
34								
36	2		0		Brown/gray fine SAND and SILT, iron staining (wet to moist).	35.0		
38								
40	2		0.2		Grown/gray SILT, trace fine sand, trace clay, iron staining (moist).	40.0		
42								
44								
					Medium gray silty CLAY (moist).	45.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2		0					
48								
50	2		0					
52								
54								
					Medium gray clayey SILT (moist to dry).	55.0		
56	2		0					
58								
60					Medium gray sandy SILT, little to trace clay (moist).	60.0		▼
	1.9		0					
62								
64								
66	2		0.0.1					
68								
70							70.0	
	2		0					
							72.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74							74.0	
76	2		0.1		Gray/brown silty fine SAND (wet).	75.5		
					Gray/brown sandy SILT (moist).	75.7		
78					Dark reddish gray fine to medium SAND (wet).	76.5		
80	1		0		Medium gray fine to medium SAND, trace silt, trace coarse sand (wet).	80.0		
82								
84							84.0	
86	1.5		0					
88								
90	1.8		0					
92					Medium brown medium SAND, little to trace coarse sand and fine gravel (wet).	91.8		
94								
96	2		0 0.8		Reddish brown silty fine SAND (wet).	96.5		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100								100.5
	0.8		1.4					
102								103.3
104								105.0
106	1		1					
108								
110								
	1		2.1					
112								
114								115.0
116	0.1		2.1					
118								
120					Medium brown with light tan medium to coarse SAND, little fine sand (wet).	120.0		121.0
	1.2		0.2					123.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-6 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **6** OF **6**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
						125.0		
	1.5				Gray fine to medium SAND, some silt (wet).	125.0		
						130.0		
	1				Gray silty CLAY.	130.5		
	2				Gray silty CLAY.	135.0		
						137.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **5**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **9/21/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **9/23/09**
GROUND WATER DEPTH	**25.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **K. Roe**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Medium brown gravelly SAND with cobbles.	0.3		
2	1.2							
4								
					Medium brown silty SAND.	5.0		
6	1.1				Medium brown gravelly SAND.	6.0		
8								
10					Reddish brown poorly graded SAND to silty SAND.	10.0		
12								
14								
					Light brown poorly graded SAND.	15.0		
16	1.2							
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
22	1.3						22.0	
24							24.0	
26	1.1							
28							28.0	
30	2				Medium brown well graded SAND (wet).	30.0		
32							33.0	
34								
36	2							
38								
40	.8				Medium brown well graded gravelly SAND (wet).	40.0		
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.7							
48								
50	2							
52								
54								
56	1.7							
58								
60	1.5							
62								62.0
64								65.0
66	1.7							
68								69.0
70	1.1							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
74						74.0		
76	1.6				Color change to reddish brown.			
78								
80	2				Color change to medium brown.			
82								
84								
86	.7				Medium brown poorly graded SAND (wet).	85.0		
88								
90	1.7				Medium brown well graded SAND (wet).	91.0		
92					Reddish brown grading to medium brown poorly graded SAND (wet).	91.5		
94								
96	2							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-7 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **5**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
100								
	2							
102								
104								
106	1.8							
108								
110								
	2							
112								
114								
116	2				Medium brown silty fine SAND (wet).	116.0		
118								
120					Medium brown poorly graded SAND (wet).	120.0		
	1.9							
						122.0		

111.0
113.0
115.0
120.0
122.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **7**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **9/25/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **9/30/09**
GROUND WATER DEPTH	**32.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	5		0		Medium to dark brown fine SAND to coarse GRAVEL.			
4								
6	1		0		Grayish brown fine to medium silty SAND, some coarse gravel (moist).	5.0		
8								
10	1.2		0		Medium brown poorly graded SAND (dry).	10.0		
12								
14								
16	1.3		0					
18								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
22	1.2		0					
24								
26	1.1		0					25.0 27.0
28								29.0
30	1.25		0		Medium to light brown well graded SAND (moist).	30.0		
32								
34								
36	1.75		0					
38								39.0
40	.8		0					
42								
44								

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **3** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	2		0					
48								
50	1.25		0		Medium brown well graded SAND with gravel (wet).	50.0		
52								
54								
56	2		0					
58								
60	2		0					
62								
64								
	2		0		Medium brown poorly graded SAND (wet).	65.0		
66					Medium brown well graded SAND with gravel (wet).	66.0		
68								
70								
	1.75		0		Medium brown poorly graded SAND (wet).	70.5		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **4** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
					Medium reddish brown to brown well graded SAND with gravel (wet).	72.0		
74								
76	0							
78								
80								
	2		0					
82								
84								
86	0							
88								
90								
	2		0					
92								
94								94.0
					Medium brown well graded SAND (wet).	95.0		
96	2		0					
								97.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **5** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
								100.0
100					Medium brown well graded SAND, trace gravel (wet).	100.0		
	.9		0					
102								
104								105.0
	1.8		0					
	0				No recovery.	110.0		
	0							
	0							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **6** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.5		0		Brown fine SAND.	125.0		
					No recovery.	127.0		
	0							
	0							
	0						144.0	
							146.0	
	0							

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-8 A/B/C
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **7** OF **7**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
	2		0		Brown fine SAND.	150.0		151.0
					Gray CLAY (dense).	151.7		
						152.0		153.0

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-9

PROJECT	**Former Plaza Cleaners**	LOCATION	**Port Washington, NY**			SHEET **1** OF **2**
CLIENT	**NYSDEC**					PROJECT No. **0266380**
DRILLING CONTRACTOR	**Buffalo Drilling**					MEAS. PT. ELEV.
PURPOSE	**Monitoring Well Installation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Rotary**		SAMPLE	CORE	CASING	DATE STARTED **9/30/09**
DRILL RIG TYPE	**HSA**	TYPE			**PVC**	DATE FINISHED **9/30/09**
GROUND WATER DEPTH	**11.0'**	DIA.	**"**		**2**	DRILLER **Larry**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **B. Jordan**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
					Asphalt.			
					Medium brown well graded gravelly SAND with cobbles (dry).	0.3		
2	5		0					
4								
								5.0
6	0							
								7.0
8								
								9.0
10					Medium brown well graded SAND with silt and gravel (wet).	10.0		
	.25		0					
12								
14								
					Medium brown poorly graded SAND with gravel (wet).	15.0		
16	1.6		0					
18								
								19.0
					Medium brown well graded gravelly SAND (wet)	19.0		

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PC-9
PROJECT **Former Plaza Cleaners**	LOCATION **Port Washington, NY**	SHEET **2** OF **2**
CLIENT **NYSDEC**		PROJECT No. **0266380**

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
	1.6		0		Medium brown poorly graded SAND (wet). Medium brown sandy SILT (wet).	20.0 20.5 21.0		21.0

ARCADIS

Appendix B

Data Usability Summary Reports

Data Validation Services, Inc.

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

June 30, 2008

Aaron Bobar
Malcolm Pirnie, Inc.
43 British American Blvd
Latham, NY 12110

RE: Data Usability Summary Report (DUSR) for Munsey Cleaners OU2 site data packages –air and groundwater samples
Chemtech SDG Nos. Z1262, Z1288, Z1311, Z1338, Z1354, Z1538, and Z1547
CAS SDG Sub. P08081397

Dear Mr. Bobar:

Review has been completed for the data packages generated by Chemtech Laboratory and Columbia Analytical Services that pertain to groundwater and air samples collected between 1/23/08 and 5/07/08 at the Munsey Cleaner site. Thirty-one aqueous samples and a field duplicate were analyzed for TCL volatiles by USEPA SW846 method 8260B. Four 6-L summa canister air samples and a field duplicate were analyzed for a site-specific list of volatile analytes by USEPA GC/MS method TO-15. Equipment and trip blanks were also processed.

The data package submitted by the laboratory contains full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA National and Regional validation guidance documents, with consideration of the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method and Canister Blanks
* Field Duplicate Correlations
* Laboratory Control Samples (LCSs)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level of review.

In summary, sample processing was conducted in compliance with the analysis protocol. All sample reported results are usable as reported, or usable with minor qualification. No data are rejected.

Copies of the laboratory client/laboratory sample identifications are attached to this text. Also attached are sample report forms with the recommended qualifiers and edits applied in red ink.

Volatile Analyses by USEPA SW846 860B

In order to reflect the proper reporting limits, the report forms should reflect the "RL" value in the "Conc" field, not the MDL concentrations.

Results for analytes (tetrachloroethene) initially reported with the "E" laboratory flag are to be derived from the dilution analyses of the samples.

The custody associated with the samples reported in Z1538 notes that "some bubbles formed after collection" for the samples. Results for those samples are qualified as estimated.

The result for 1,2-dichloroethane in MC–SURFACE-1 is edited to reflect non-detection due to poor mass spectral quality.

Detections of methylene chloride in MC-B-5-60.0 and MC-B-7-48.0 are considered external contamination and edited to reflect non-detection due to presence in the associated trip blanks.

Matrix spikes of MC-B-9-85.0 and MC-B-17-55.0 show acceptable recoveries and duplicate correlations. Recoveries were within recommended ranges, with the exception of elevated recoveries for undetected analytes and a single outlying recovery for one detected compound.

Results for acetone and chloromethane in the samples reported in Z1262 are qualified as estimated due to low LCS recoveries (61% and 60%).

Initial and continuing calibration standard linearity and calibration verification responses were within laboratory and validation guidelines, with the exception of that for acetone (30%RSD and 22%D; low concentration values elevated) in the calibration associated with a detection of that compound in MC-B-6-57.0. The result for that compound in the sample is qualified as estimated.

Holding times were met, surrogate recoveries and internal standard responses are acceptable, and instrument tunes meet fragmentation requirements.

Some of the samples were processed at initial dilution due to anticipated matrix responses; this results in elevated reporting limits for analytes not detected in the sample.

The Equipment Blank collected 1/23/08 was processed at a twenty-fold dilution, due to what the laboratory noted in the case narrative as "matrix effect". What type of effect that may have been is not understood (the chromatogram was absolutely without matrix response), as there should be no matrix effect from a blank, particularly when the associated samples do not show a matrix effect. Although the reported results for that equipment blank are not qualified, they do reflect twenty-fold

higher reporting limits, thus rendering them unusable for evaluating potential external contamination in the samples. The associated trip and method blanks show no contamination.

Tentatively Identified Compounds that were reported with a CAS number should also have been flagged with the "N" laboratory flag to indicate that the identification is tentative.

Volatile Analyses by EPA TO-15

Sample 130081-SS-04-050708 was received by the laboratory at positive pressure. Because it cannot be determined that no losses occurred, results for that sample have been qualified as estimated ("UJ" or "J").

Holding times were met, surrogate recoveries and internal standard responses are acceptable, and instrument tunes meet fragmentation requirements.

The laboratory duplicate for air sample 130081-SS-04-050708 shows good correlations. Blind field duplicate correlations for air sample 130081-SS-10-050708 are within validation guidelines.

The results for acetone and chloromethane in the samples reported in Z1262 are qualified as estimated due to low recoveries (61% and 60%) in the associated LCS.

Initial and continuing calibration standard linearity and calibration verification responses were within laboratory and validation guidelines. The system was calibrated with analyte weight rather than concentration; there is no negative impact on usability of the resulting data.

Some of the samples were processed at initial dilution due to anticipated matrix responses; this results in elevated reporting limits for analytes not detected in the sample.

Chain-of-Custody

No times of collection were entered for the aqueous samples collected 1/28/08 or for the matrix spikes submitted in SDG Z1354. The laboratory contacted the client to clarify the parent sample of that set of matrix spikes.

It is noted that the custody time entry for the matrix spikes reported in Z1538 match that of a sample other than the one identified as the parent sample. Recoveries and duplicate correlations are acceptable with either one as parent.

Some of the collection date and/or matrix fields were missing down-arrows (i.e. date or matrix only on first entry). The year was omitted from collection dates and some of the relinquish dates.

Several of custodies reflect aqueous sample preservation as being both nitric and hydrochloric acids. The nitric acid code should have been the code for ice.

Strikeovers observed on the custodies should have been dated and initialed.

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

CLIENT and LABORATORY SAMPLE IDs

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Muncy Cleaners OU2

OrderID: Z1262 **CustomerName:** Malcolm Pirnie, Inc.

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z1262-01	MC-B-2-41.4
Z1262-02	MC-B-2-85.0
Z1262-03	MC-SURFACE-1
Z1262-04	MC-SURFACE-2
Z1262-05	MC-SURFACE-3
Z1262-06	EQUIPMENT.BLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Mildred V Reyes Name: Mildred V Reyes

Date: 2/6/08 Title: QA/QC

NYDOH CERTIFICATION NO.11376 NJDEP CERTIFICATION NO. 20012

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Muncy Cleaners OU2

OrderID: Z1288 **CustomerName:** Malcolm Pirnie, Inc.

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z1288-01	MC-B-3-43.0
Z1288-02	MC-B-3-85.0
Z1288-03	EQUIPMENT.BLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: _____ Name: Raythatha, Kalpana

Date: 2/8/08 Title: QA/QC

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Muncy Cleaners OU2

OrderID: Z1311 **CustomerName:** Malcolm Pimie, Inc.

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z1311-01	MC-B-4-44.0

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Mildred U Reyes Name: Mildred U Reyes

Date: 2/11/08 Title: QA/QC

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Muncy Cleaners OU2

OrderID: Z1338 **CustomerName:** Malcolm Pirnie, Inc.

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z1338-01	MC-B-5-60.0
Z1338-02	MC-B-5-85.0
Z1338-03	MC-B-6-57.0
Z1338-04	MC-B-7-48.0
Z1338-05	TRIPBLANK
Z1338-06	MC-B-8-60.0
Z1338-07	MC-B-8-85.0
Z1338-08	MC-B-9-40.0
Z1338-09	TRIPBLANK.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Raythetha, Kalpana Name: Raythetha, Kalpana

Date: 2/13/08 Title: QA Lab

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Muncy Cleaners OU2

OrderID: Z1354 **CustomerName:** Malcolm Pirnie, Inc.

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z1354-01	MC-B-9-85.0
Z1354-02	MC-B-11-25.0
Z1354-03	MC-B-11-60.0
Z1354-04	MS
Z1354-05	MSD

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Mildred V Reyes Name: Mildred V Reyes

Date: 2/14/08 Title: QA/QC

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Muncy Cleaners OU2

OrderID: Z1538 **CustomerName:** Malcolm Pirnie, Inc.

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z1538-01	MC-B-10-65.0
Z1538-02	MC-B-12-45.0
Z1538-03	MC-B-13-44.0
Z1538-04	MC-B-14-73.0
Z1538-05	MC-B-15-55.0
Z1538-06	MC-B-16-55.0
Z1538-07	MC-B-17-55.0
Z1538-08	MC-B-18-63.0
Z1538-09	MC-B-17-55.0-MS
Z1538-10	MC-MSD
Z1538-11	MC-B-17-100.0

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Mildred V Reyes Name: Mildred V Reyes

Date: 2/29/08 Title: QA/QC

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Muncy Cleaners OU2

OrderID: Z1547 **CustomerName:** Malcolm Pirnie, Inc.

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z1547-01	MC-B-19-60.0
Z1547-02	MC-B-20-85.0
Z1547-03	MC-B-20-55.0
Z1547-04	MC-B-16-85.0
Z1547-05	TRIP BLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Hildred U Reyes Name: Hildred U Reyes

Date: 3/3/08 Title: QA/QC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical					
		*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals	*Other
130081-SS-05-050708	P0801397-001	EPA TO-15					
130081-SS-10-050708	P0801397-002	EPA TO-15					
130081-SS-06-050708	P0801397-003	EPA TO-15					
130081-SS-04-050708	P0801397-004	EPA TO-15					
20080507-FD-1	P0801397-005	EPA TO-15					

QUALIFIED SAMPLE REPORT FORMS

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/23/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/24/2008
Client Sample ID:	MC-B-2-41.4	**SDG No.:**	Z1262
Lab Sample ID:	Z1262-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014763.D	1	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U UJ	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	15	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.83	J	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	5.0		1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/23/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/24/2008**
Client Sample ID:	**MC-B-2-41.4**	**SDG No.:**	**Z1262**
Lab Sample ID:	**Z1262-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014763.D	1	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	5.6		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.85	92 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	53.84	108 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	50.23	100 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	48.64	97 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1349418	4.64			
540-36-3	1,4-Difluorobenzene	2375357	5.37			
3114-55-4	Chlorobenzene-d5	2549856	10.32			
3855-82-1	1,4-Dichlorobenzene-d4	1250946	12.82			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-11-7	1-Propene, 2-methyl-	8.6	J	1.04		ug/L
	unknown1.23	19	J	1.23		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/23/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/24/2008**
Client Sample ID:	**MC-B-2-85.0**	**SDG No.:**	**Z1262**
Lab Sample ID:	**Z1262-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014764.D	1	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U UJ	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	6.2	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	52		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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MDL = Method Detection Limit
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B = Analyte Found in Associated Method Blank
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/23/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/24/2008**
Client Sample ID:	**MC-B-2-85.0**	**SDG No.:**	**Z1262**
Lab Sample ID:	**Z1262-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014764.D	1	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.88	90 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	53.43	107 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.26	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	48.43	97 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1327943	4.64			
540-36-3	1,4-Difluorobenzene	2383193	5.38			
3114-55-4	Chlorobenzene-d5	2461423	10.32			
3855-82-1	1,4-Dichlorobenzene-d4	1210146	12.82			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-11-7	1-Propene, 2-methyl-	8.6	N J	1.04		ug/L
002639-63-6	Butanoic acid, hexyl ester	6.3	N J	16.57		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/23/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/24/2008
Client Sample ID:	MC-SURFACE-1	**SDG No.:**	Z1262
Lab Sample ID:	Z1262-03	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014766.D	1	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U UJ	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U UJ	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	3.4		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	2.7		1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.86	J U	1.0	0.38	ug/L
79-01-6	Trichloroethene	1.4		1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/23/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/24/2008**
Client Sample ID:	**MC-SURFACE-1**	**SDG No.:**	**Z1262**
Lab Sample ID:	**Z1262-03**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014766.D	1	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	13		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.3	91 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	52.97	106 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.98	100 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	48.41	97 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1393778	4.62			
540-36-3	1,4-Difluorobenzene	2478692	5.36			
3114-55-4	Chlorobenzene-d5	2505288	10.32			
3855-82-1	1,4-Dichlorobenzene-d4	1219369	12.80			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/23/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/24/2008**
Client Sample ID:	**MC-SURFACE-2**	**SDG No.:**	**Z1262**
Lab Sample ID:	**Z1262-04**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014767.D	1	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U UJ	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U UJ	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	1.7		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.89	J	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	J	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/23/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/24/2008**
Client Sample ID:	**MC-SURFACE-2**	**SDG No.:**	**Z1262**
Lab Sample ID:	**Z1262-04**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014767.D	1	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	14		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.8	92 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	54.15	108 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.45	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	48.65	97 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1363307	4.63			
540-36-3	1,4-Difluorobenzene	2466101	5.37			
3114-55-4	Chlorobenzene-d5	2562394	10.31			
3855-82-1	1,4-Dichlorobenzene-d4	1196652	12.80			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/23/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/24/2008**
Client Sample ID:	**MC-SURFACE-3**	**SDG No.:**	**Z1262**
Lab Sample ID:	**Z1262-05**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014768.D	I	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U UJ	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U UJ	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	1.3		1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/23/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/24/2008**
Client Sample ID:	**MC-SURFACE-3**	**SDG No.:**	**Z1262**
Lab Sample ID:	**Z1262-05**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014768.D	1	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	6.8		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.11	92 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	54.21	108 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.73	97 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	48.17	96 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1431736	4.62			
540-36-3	1,4-Difluorobenzene	2647034	5.36			
3114-55-4	Chlorobenzene-d5	2677515	10.31			
3855-82-1	1,4-Dichlorobenzene-d4	1279871	12.80			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/23/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/24/2008
Client Sample ID:	EQUIPMENT.BLANK	**SDG No.:**	Z1262
Lab Sample ID:	Z1262-06	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014765.D	20	1/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	8.6	U	20	8.6	ug/L
74-87-3	Chloromethane	7.6	U UJ	20	7.6	ug/L
75-01-4	Vinyl chloride	9.2	U	20	9.2	ug/L
74-83-9	Bromomethane	13	U	20	13	ug/L
75-00-3	Chloroethane	9.8	U	20	9.8	ug/L
75-69-4	Trichlorofluoromethane	8.0	U	20	8.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	7.0	U	20	7.0	ug/L
75-35-4	1,1-Dichloroethene	11	U	20	11	ug/L
67-64-1	Acetone	54	U UJ	100	54	ug/L
75-15-0	Carbon disulfide	10	U	20	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	U	20	10	ug/L
79-20-9	Methyl Acetate	18	U	20	18	ug/L
75-09-2	Methylene Chloride	10	U	20	10	ug/L
156-60-5	trans-1,2-Dichloroethene	11	U	20	11	ug/L
75-34-3	1,1-Dichloroethane	11	U	20	11	ug/L
110-82-7	Cyclohexane	7.4	U	20	7.4	ug/L
78-93-3	2-Butanone	93	U	100	93	ug/L
56-23-5	Carbon Tetrachloride	9.8	U	20	9.8	ug/L
156-59-2	cis-1,2-Dichloroethene	11	U	20	11	ug/L
67-66-3	Chloroform	9.2	U	20	9.2	ug/L
71-55-6	1,1,1-Trichloroethane	9.2	U	20	9.2	ug/L
108-87-2	Methylcyclohexane	8.6	U	20	8.6	ug/L
71-43-2	Benzene	10	U	20	10	ug/L
107-06-2	1,2-Dichloroethane	7.6	U	20	7.6	ug/L
79-01-6	Trichloroethene	11	U	20	11	ug/L
78-87-5	1,2-Dichloropropane	11	U	20	11	ug/L
75-27-4	Bromodichloromethane	12	U	20	12	ug/L
108-10-1	4-Methyl-2-Pentanone	53	U	100	53	ug/L
108-88-3	Toluene	10	U	20	10	ug/L
10061-02-6	t-1,3-Dichloropropene	8.8	U	20	8.8	ug/L
10061-01-5	cis-1,3-Dichloropropene	11	U	20	11	ug/L
79-00-5	1,1,2-Trichloroethane	10	U	20	10	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/23/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/24/2008**
Client Sample ID:	**EQUIPMENT.BLANK**	**SDG No.:**	**Z1262**
Lab Sample ID:	**Z1262-06**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014765.D	20	I/25/2008	VD012408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	58	U	100	58	ug/L
124-48-1	Dibromochloromethane	9.0	U	20	9.0	ug/L
106-93-4	1,2-Dibromoethane	11	U	20	11	ug/L
127-18-4	Tetrachloroethene	14	U	20	14	ug/L
108-90-7	Chlorobenzene	10	U	20	10	ug/L
100-41-4	Ethyl Benzene	10	U	20	10	ug/L
126777-61-2	m/p-Xylenes	19	U	40	19	ug/L
95-47-6	o-Xylene	10	U	20	10	ug/L
100-42-5	Styrene	9.6	U	20	9.6	ug/L
75-25-2	Bromoform	8.4	U	20	8.4	ug/L
98-82-8	Isopropylbenzene	8.8	U	20	8.8	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	9.8	U	20	9.8	ug/L
541-73-1	1,3-Dichlorobenzene	9.0	U	20	9.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.6	U	20	8.6	ug/L
95-50-1	1,2-Dichlorobenzene	9.6	U	20	9.6	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	9.0	U	20	9.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	8.2	U	20	8.2	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.09	90 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	53.58	107 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	50.57	101 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.97	100 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1358234	4.62			
540-36-3	1,4-Difluorobenzene	2396085	5.37			
3114-55-4	Chlorobenzene-d5	2528893	10.31			
3855-82-1	1,4-Dichlorobenzene-d4	1240463	12.81			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/24/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/25/2008
Client Sample ID:	MC-B-3-43.0	**SDG No.:**	Z1288
Lab Sample ID:	Z1288-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014798.D	1	1/26/2008	VD012608

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	7.7		5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	3.5		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	1.8		1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/24/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/25/2008
Client Sample ID:	MC-B-3-43.0	**SDG No.:**	Z1288
Lab Sample ID:	Z1288-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014798.D	1	1/26/2008	VD012608

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	18		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.69	101 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	50.41	101 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.72	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	47.44	95 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1359071	4.59			
540-36-3	1,4-Difluorobenzene	2406436	5.32			
3114-55-4	Chlorobenzene-d5	2512110	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	1255525	12.79			

U = Not Detected
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/24/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/25/2008**
Client Sample ID:	**MC-B-3-85.0**	**SDG No.:**	**Z1288**
Lab Sample ID:	**Z1288-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014799.D	1	1/26/2008	VD012608

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	7.8		5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	3.8		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.56	J	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	2.1		1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	5.4		1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/24/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/25/2008**
Client Sample ID:	**MC-B-3-85.0**	**SDG No.:**	**Z1288**
Lab Sample ID:	**Z1288-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014799.D	1	1/26/2008	VD012608

CAS Number	Parameter		Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone		2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane		0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane		0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	HLO	~~480~~	~~E~~	1.0	0.68	ug/L
108-90-7	Chlorobenzene		0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene		0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes		0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene		0.51	U	1.0	0.51	ug/L
100-42-5	Styrene		0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform		0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene		0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane		0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene		0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene		0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene		0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane		0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene		0.41	U	1.0	0.41	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4		50.99	102 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane		48.47	97 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8		48.45	97 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene		48.99	98 %	76 - 119		SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene		1399980	4.59			
540-36-3	1,4-Difluorobenzene		2594748	5.32			
3114-55-4	Chlorobenzene-d5		2608994	10.28			
3855-82-1	1,4-Dichlorobenzene-d4		1325526	12.79			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/24/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/25/2008
Client Sample ID:	EQUIPMENT.BLANK	**SDG No.:**	Z1288
Lab Sample ID:	Z1288-03	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014797.D	1	1/26/2008	VD012608

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroetbane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/24/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/25/2008
Client Sample ID:	EQUIPMENT.BLANK	**SDG No.:**	Z1288
Lab Sample ID:	Z1288-03	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014797.D	1	1/26/2008	VD012608

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1	100 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	50.27	101 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.19	98 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	50.36	101 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1393036	4.59			
540-36-3	1,4-Difluorobenzene	2496536	5.32			
3114-55-4	Chlorobenzene-d5	2535621	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	1287186	12.78			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/25/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/28/2008**
Client Sample ID:	**MC-B-4-44.0**	**SDG No.:**	**Z1311**
Lab Sample ID:	**Z1311-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014808.D	1	1/28/2008	VD012608

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	3.8	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	14		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	3.3		1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	3.4		1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/25/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/28/2008
Client Sample ID:	MC-B-4-44.0	**SDG No.:**	Z1311
Lab Sample ID:	Z1311-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014808.D	1	1/28/2008	VD012608

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	1500 ~~1300~~	~~E~~	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.2	120 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	49.34	99 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	50.12	100 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.46	103 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1016501	4.59			
540-36-3	1,4-Difluorobenzene	1970870	5.32			
3114-55-4	Chlorobenzene-d5	2065782	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	956699	12.79			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/28/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/30/2008**
Client Sample ID:	**MC-B-5-60.0**	**SDG No.:**	**Z1338**
Lab Sample ID:	**Z1338-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006902.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.66	J U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	2.0		1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/28/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	MC-B-5-60.0	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006902.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.86	J	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.1	122 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	53.16	106 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	51.68	103 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	53.11	106 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1215945	9.36			
540-36-3	1,4-Difluorobenzene	2490430	10.47			
3114-55-4	Chlorobenzene-d5	2497793	14.89			
3855-82-1	1,4-Dichlorobenzene-d4	1101544	18.71			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	30	N J	3.45		ug/L
000115-11-7	1-Propene, 2-methyl-	15	N J	4.09		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/28/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/30/2008**
Client Sample ID:	**MC-B-5-85.0**	**SDG No.:**	**Z1338**
Lab Sample ID:	**Z1338-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006904.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.98	J	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/28/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/30/2008**
Client Sample ID:	**MC-B-5-85.0**	**SDG No.:**	**Z1338**
Lab Sample ID:	**Z1338-02**	**Matrix:**	**WATER**
Analytical Metbod:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006904.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.99	124 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	52.01	104 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	51.63	103 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	52.29	105 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1224576	9.36			
540-36-3	1,4-Difluorobenzene	2544564	10.46			
3114-55-4	Chlorobenzene-d5	2525368	14.90			
3855-82-1	1,4-Dichlorobenzene-d4	1137402	18.71			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/28/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	MC-B-6-57.0	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-03	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006909.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	4.2	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	1.8		1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/28/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	MC-B-6-57.0	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-03	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006909.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	23		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.46	87 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	53.1	106 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	48.77	98 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	48.59	97 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	2051129	9.36			
540-36-3	1,4-Difluorobenzene	3488625	10.46			
3114-55-4	Chlorobenzene-d5	3522686	14.89			
3855-82-1	1,4-Dichlorobenzene-d4	1773305	18.70			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/28/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	MC-B-7-48.0	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-04	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006905.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	3.2		1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	1.0		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.53	J U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	1.4		1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	1.1		1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calihration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/28/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	MC-B-7-48.0	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-04	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006905.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	17		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.90	J	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.27	127 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	53.11	106 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	52.07	104 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	53.22	106 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1209155	9.36			
540-36-3	1,4-Difluorobenzene	2524276	10.46			
3114-55-4	Chlorobenzene-d5	2555442	14.89			
3855-82-1	1,4-Dichlorobenzene-d4	1136910	18.70			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/28/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	TRIPBLANK	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006898.D	1	1/30/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.79	J	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/28/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	TRIPBLANK	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006898.D	1	1/30/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56	112 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	50.48	101 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	51.72	103 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	52.26	105 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1375711	9.37			
540-36-3	1,4-Difluorobenzene	2758736	10.47			
3114-55-4	Chlorobenzene-d5	2761953	14.91			
3855-82-1	1,4-Dichlorobenzene-d4	1266243	18.72			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/29/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	MC-B-8-60.0	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-06	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006906.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	5.4		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/29/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/30/2008**
Client Sample ID:	**MC-B-8-60.0**	**SDG No.:**	**Z1338**
Lab Sample ID:	**Z1338-06**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006906.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	1.4		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.91	112 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	53.63	107 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	50.95	102 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	52.53	105 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1421378	9.36			
540-36-3	1,4-Difluorobenzene	2757080	10.47			
3114-55-4	Chlorobenzene-d5	2809362	14.90			
3855-82-1	1,4-Dichlorobenzene-d4	1290621	18.70			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/29/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	MC-B-8-85.0	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-07	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006907.D	1	1/31/2008	VE0I3008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.90	J	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/29/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	MC-B-8-85.0	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-07	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006907.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.76	116 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	52.98	106 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	50.94	102 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	52.96	106 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1369742	9.36			
540-36-3	1,4-Difluorobenzene	2707381	10.46			
3114-55-4	Chlorobenzene-d5	2733993	14.89			
3855-82-1	1,4-Dichlorobenzene-d4	1258700	18.70			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/29/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/30/2008**
Client Sample ID:	**MC-B-9-40.0**	**SDG No.:**	**Z1338**
Lab Sample ID:	**Z1338-08**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006908.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	1.8		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	1.1		1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	21		1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	34		1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/29/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	MC-B-9-40.0	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-08	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006908.D	1	1/31/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	290 ~~340~~	~~E~~	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.8	116 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	51.61	103 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	51.05	102 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	52.97	106 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1381040	9.36			
540-36-3	1,4-Difluorobenzene	2685183	10.46			
3114-55-4	Chlorobenzene-d5	2714614	14.89			
3855-82-1	1,4-Dichlorobenzene-d4	1260278	18.70			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/29/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	TRIPBLANK.	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-09	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006899.D	1	1/30/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.78	J	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/29/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/30/2008
Client Sample ID:	TRIPBLANK.	**SDG No.:**	Z1338
Lab Sample ID:	Z1338-09	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006899.D	1	1/30/2008	VE013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.11	114 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	50.67	101 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	51.52	103 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	52.18	104 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1349310	9.37			
540-36-3	1,4-Difluorobenzene	2745481	10.47			
3114-55-4	Chlorobenzene-d5	2760995	14.90			
3855-82-1	1,4-Dichlorobenzene-d4	1249376	18.71			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/30/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/31/2008**
Client Sample ID:	**MC-B-9-85.0**	**SDG No.:**	**Z1354**
Lab Sample ID:	**Z1354-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014905.D	1	1/31/2008	VD013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/30/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/31/2008
Client Sample ID:	MC-B-9-85.0	**SDG No.:**	Z1354
Lab Sample ID:	Z1354-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014905.D	1	1/31/2008	VD013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	13		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61	122 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	51.47	103 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	53.83	108 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	50.63	101 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	704497	4.57			
540-36-3	1,4-Difluorobenzene	1481354	5.30			
3114-55-4	Chlorobenzene-d5	1668318	10.26			
3855-82-1	1,4-Dichlorobenzene-d4	732314	12.77			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/30/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/31/2008
Client Sample ID:	MC-B-11-25.0	**SDG No.:**	Z1354
Lab Sample ID:	Z1354-02	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014906.D	1	1/31/2008	VD013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/30/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/31/2008
Client Sample ID:	MC-B-11-25.0	**SDG No.:**	Z1354
Lab Sample ID:	Z1354-02	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014906.D	1	1/31/2008	VD013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.22	120 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	53.39	107 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	55.23	110 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.08	102 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	696567	4.56			
540-36-3	1,4-Difluorobenzene	1460488	5.30			
3114-55-4	Chlorobenzene-d5	1601898	10.27			
3855-82-1	1,4-Dichlorobenzene-d4	727630	12.77			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/30/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/31/2008
Client Sample ID:	MC-B-11-60.0	**SDG No.:**	Z1354
Lab Sample ID:	Z1354-03	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014907.D	1	1/31/2008	VD013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	3.6		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	6.1		1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	9.7		1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	1/30/2008
Project:	Muncy Cleaners OU2	**Date Received:**	1/31/2008
Client Sample ID:	MC-B-11-60.0	**SDG No.:**	Z1354
Lab Sample ID:	Z1354-03	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD014907.D	1	1/31/2008	VD013008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	440 ~~440~~	~~E~~	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.49	129 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	54	108 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	54.89	110 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	53.95	108 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	703081	4.57			
540-36-3	1,4-Difluorobenzene	1491699	5.30			
3114-55-4	Chlorobenzene-d5	1602152	10.26			
3855-82-1	1,4-Dichlorobenzene-d4	794481	12.77			

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/11/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-10-65.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015409.D	1	2/15/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U V	1.0	0.55	ug/L
67-64-1	Acetone	18	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U UJ	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U V	5.0	2.7	ug/L
108-88-3	Toluene	2.4	J	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U UJ	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U V	1.0	0.52	ug/L

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RL = Reporting Limit
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/11/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-10-65.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015409.D	1	2/15/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U UJ	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.98	116 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	49.01	98 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	51.94	104 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	56.75	114 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	655168	4.59			
540-36-3	1,4-Difluorobenzene	1547082	5.32			
3114-55-4	Chlorobenzene-d5	1796746	10.29			
3855-82-1	1,4-Dichlorobenzene-d4	911046	12.79			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	61	NJ	0.88		ug/L
000115-11-7	1-Propene, 2-methyl-	38	NJ	1.03		ug/L
000287-92-3	Cyclopentane	11	NJ	1.39		ug/L
000123-72-8	Butanal	5.4	NJ	3.68		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/11/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-10-65.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015409.D	1	2/15/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
000592-84-7	Formic acid, butyl ester	6.1	J	7.36		ug/L
000066-25-1	Hexanal	13	J	10.04		ug/L
000124-13-0	Octanal	10	J	12.99		ug/L
000104-76-7	1-Hexanol, 2-ethyl-	5.2	J	13.19		ug/L
000124-19-6	Nonanal	19	J	14.01		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/11/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-12-45.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-02	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015465.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	12	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.59	J J	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U UJ	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/11/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-12-45.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-02	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015465.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U UJ	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	30	J	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U UJ	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.91	102 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	49.21	98 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	50.53	101 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.33	103 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	781214	4.58			
540-36-3	1,4-Difluorobenzene	1695634	5.32			
3114-55-4	Chlorobenzene-d5	2006439	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	999162	12.78			
TENTITIVE IDENTIFIED COMPOUNDS						
000106-98-9	1-Butene	5.6	N J	1.03		ug/L
000124-19-6	Nonanal	6.6	N J	14.00		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/12/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-13-44.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-03	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015411.D	1	2/15/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	12		5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	J	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	1.7		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/12/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-13-44.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-03	**Matrix:**	WATER
Analytical Metbod:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015411.D	1	2/15/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U UJ	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	7.2	J	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U UJ	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.49	123 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	51.42	103 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	53.33	107 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	52.16	104 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	596770	4.59			
540-36-3	1,4-Difluorobenzene	1387936	5.33			
3114-55-4	Chlorobenzene-d5	1775550	10.29			
3855-82-1	1,4-Dichlorobenzene-d4	723845	12.79			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	65	J	0.88		ug/L
000115-11-7	1-Propene, 2-methyl-	32	J	1.03		ug/L
000109-67-1	1-Pentene	12	J	1.39		ug/L
000124-19-6	Nonanal	5.1	J	14.00		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/12/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-14-73.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-04	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015466.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U J	1.0	0.55	ug/L
67-64-1	Acetone	7.2	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U UJ	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	1.9	J	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U UJ	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.83	J J	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U UJ	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/12/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-14-73.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-04	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015466.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U UJ	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	69	J	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U UJ	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.05	102 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	51.7	103 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	51.76	104 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	53.95	108 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	861096	4.59			
540-36-3	1,4-Difluorobenzene	1815680	5.33			
3114-55-4	Chlorobenzene-d5	2365764	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	1179237	12.78			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-11-7	1-Propene, 2-methyl-	10	N J	1.03		ug/L

U = Not Detected
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E = Value Exceeds Calibration Range

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/12/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-15-55.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015467.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U J	1.0	0.55	ug/L
67-64-1	Acetone	6.9	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U UJ	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	1.6	J	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U UJ	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/12/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-15-55.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015467.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U UJ	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	24	J	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U UJ	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.65	103 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	49.99	100 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	50.11	100 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	50.65	101 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	848858	4.59			
540-36-3	1,4-Difluorobenzene	1811691	5.32			
3114-55-4	Chlorobenzene-d5	2364593	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	1072709	12.78			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	25	J	0.88		ug/L
000115-11-7	1-Propene, 2-methyl-	I3	J	I.03		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/13/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-16-55.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-06	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015414.D	1	2/15/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U J	1.0	0.55	ug/L
67-64-1	Acetone	16	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U UJ	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.52	J J	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U UJ	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/13/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-16-55.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-06	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015414.D	1	2/15/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	66.12	132 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	51.39	103 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	53.66	107 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.08	102 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	535377	4.59			
540-36-3	1,4-Difluorobenzene	1245755	5.33			
3114-55-4	Chlorobenzene-d5	1698571	10.29			
3855-82-1	1,4-Dichlorobenzene-d4	673566	12.79			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-11-7	1-Propene, 2-methyl-	9.6	J	1.02		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/13/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-17-55.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-07	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015468.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U J	1.0	0.55	ug/L
67-64-1	Acetone	8.1	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U UJ	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.87	J	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U UJ	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/13/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-17-55.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-07	**Matrix:**	WATER
Analytical Metbod:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015468.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U UJ	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	J J	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U UJ	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6	105 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	49.09	98 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	49.6	99 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	50.6	101 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	860033	4.59			
540-36-3	1,4-Difluorobenzene	1888694	5.32			
3114-55-4	Chlorobenzene-d5	2393814	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	1109709	12.78			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-11-7	1-Propene, 2-methyl-	5.7	NJ	1.03		ug/L

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/13/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-18-63.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-08	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015469.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	11	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U UJ	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/13/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-18-63.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-08	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015469.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U UJ	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.83	106 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	50.27	101 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	49.31	99 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	52.1	104 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	787773	4.59			
540-36-3	1,4-Difluorobenzene	1737301	5.32			
3114-55-4	Chlorobenzene-d5	2269250	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	1022399	12.78			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-11-7	1-Propene, 2-methyl-	20	NJ	1.02		ug/L
000287-92-3	Cyclopentane	5.9	NJ	1.39		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/13/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/14/2008
Client Sample ID:	MC-B-17-100.0	**SDG No.:**	Z1538
Lab Sample ID:	Z1538-11	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015470.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	17	J	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U UJ	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**2/13/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**2/14/2008**
Client Sample ID:	**MC-B-17-100.0**	**SDG No.:**	**Z1538**
Lab Sample ID:	**Z1538-11**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015470.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.57	107 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	47.89	96 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	48.5	97 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.88	104 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	743991	4.59			
540-36-3	1,4-Difluorobenzene	1673940	5.33			
3114-55-4	Chlorobenzene-d5	2125092	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	927668	12.78			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**2/14/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**2/15/2008**
Client Sample ID:	**MC-B-19-60.0**	**SDG No.:**	**Z1547**
Lab Sample ID:	**Z1547-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015471.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	20		5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	7.2		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.9	J	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	2.4		1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	12		1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	J	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**2/14/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**2/15/2008**
Client Sample ID:	**MC-B-19-60.0**	**SDG No.:**	**Z1547**
Lab Sample ID:	**Z1547-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015471.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.93	102 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	48.64	97 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	48.36	97 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	50.75	102 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	829519	4.58			
540-36-3	1,4-Difluorobenzene	1770780	5.32			
3114-55-4	Chlorobenzene-d5	2359881	10.29			
3855-82-1	1,4-Dichlorobenzene-d4	1032482	12.78			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-11-7	1-Propene, 2-methyl-	16	J	1.03		ug/L
000598-61-8	Cyclobutane, methyl-	5.9	J	1.40		ug/L

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**2/14/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**2/15/2008**
Client Sample ID:	**MC-B-20-85.0**	**SDG No.:**	**Z1547**
Lab Sample ID:	**Z1547-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015472.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	12		5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**2/14/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**2/15/2008**
Client Sample ID:	**MC-B-20-85.0**	**SDG No.:**	**Z1547**
Lab Sample ID:	**Z1547-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015472.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.13	104 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	48.19	96 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	49.09	98 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	52.21	104 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	810621	4.59			
540-36-3	1,4-Difluorobenzene	1757655	5.32			
3114-55-4	Chlorobenzene-d5	2456007	10.29			
3855-82-1	1,4-Dichlorobenzene-d4	1067449	12.78			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	64	J	0.88		ug/L
000115-11-7	1-Propene, 2-methyl-	34	J	1.02		ug/L
000109-67-1	1-Pentene	12	J	1.39		ug/L
000763-29-1	1-Pentene, 2-methyl-	5.1	J	2.35		ug/L

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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/14/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/15/2008
Client Sample ID:	MC-B-20-55.0	**SDG No.:**	Z1547
Lab Sample ID:	Z1547-03	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015473.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	5.1		5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**2/14/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**2/15/2008**
Client Sample ID:	**MC-B-20-55.0**	**SDG No.:**	**Z1547**
Lab Sample ID:	**Z1547-03**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015473.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5	105 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	48.45	97 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	49.05	98 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.19	102 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	812850	4.59			
540-36-3	1,4-Difluorobenzene	1748405	5.32			
3114-55-4	Chlorobenzene-d5	2290469	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	1057799	12.78			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	39	J	0.88		ug/L
000287-23-0	Cyclobutane	21	J	1.02		ug/L
000109-67-1	1-Pentene	8.0	J	1.40		ug/L

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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/14/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/15/2008
Client Sample ID:	MC-B-16-85.0	**SDG No.:**	Z1547
Lab Sample ID:	Z1547-04	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015474.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	8.7		5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	1.2		1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**2/14/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**2/15/2008**
Client Sample ID:	**MC-B-16-85.0**	**SDG No.:**	**Z1547**
Lab Sample ID:	**Z1547-04**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015474.D	1	2/16/2008	VD02I408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.23	104 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	48.42	97 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	49.38	99 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	49.91	100 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	850194	4.58			
540-36-3	1,4-Difluorobenzene	1858505	5.32			
3114-55-4	Chlorobenzene-d5	2408206	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	1125748	12.79			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	50	J	0.88		ug/L
000115-11-7	1-Propene, 2-methyl-	23	J	1.02		ug/L
000287-92-3	Cyclopentane	6.8	J	1.40		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/14/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/15/2008
Client Sample ID:	TRIP BLANK	**SDG No.:**	Z1547
Lab Sample ID:	Z1547-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015456.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	2.7	U	5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.56	U	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	**Date Collected:**	2/14/2008
Project:	Muncy Cleaners OU2	**Date Received:**	2/15/2008
Client Sample ID:	TRIP BLANK	**SDG No.:**	Z1547
Lab Sample ID:	Z1547-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD015456.D	1	2/16/2008	VD021408

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	0.68	U	1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.81	110 %	55 - 143		SPK: 50
1868-53-7	Dibromofluoromethane	50.45	101 %	77 - 128		SPK: 50
2037-26-5	Toluene-d8	51.09	102 %	70 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	53.06	106 %	71 - 132		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	736941	4.59			
540-36-3	1,4-Difluorobenzene	1603771	5.32			
3114-55-4	Chlorobenzene-d5	2011820	10.28			
3855-82-1	1,4-Dichlorobenzene-d4	943996	12.79			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

March 19, 2009

Ely Moskel
Malcolm Pirnie, Inc.
43 British American Blvd
Latham, NY 12110

RE: Validation of Munsey Cleaners OU2 site data packages –groundwater samples
Chemtech SDG Nos. Z1238

Dear Mr. Moskel:

Review has been completed for the data package generated by Chemtech Laboratory that pertains to groundwater samples collected 1/22/08 at the Munsey Cleaner site. Two aqueous samples were analyzed for TCL volatiles by USEPA SW846 method 8260B.

The data package submitted by the laboratory contains full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA National and Regional validation guidance documents, with consideration of the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method and Canister Blanks
* Field Duplicate Correlations
* Laboratory Control Samples (LCSs)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level of review.

In summary, sample processing was conducted in compliance with the analysis protocol. All sample reported results are usable as reported, or usable with minor qualification. No data are rejected.

Copies of the laboratory case narrative and client/laboratory sample identifications are attached to this text. Also attached are sample report forms with the recommended qualifiers and edits applied in red ink.

Volatile Analyses by USEPA SW846 860B

In order to reflect the proper reporting limits, the report forms should reflect the "RL" value in the "Conc" field, not the MDL concentrations.

Results for the analyte initially reported with the "E" laboratory flag is derived from the dilution analyses of the sample.

The results for dichlorodifluoromethane in the samples are qualified as estimated due to low recovery in (65%, below 70%) the associated LCS.

Initial and continuing calibration standard linearity and calibration verification responses were within laboratory and validation guidelines, with the exception of those for dichlorodifluoromethane (23%RSD, 22%D, and 30%D). The results for that compound are qualified as estimated.

Holding times were met, surrogate recoveries and internal standard responses are acceptable, and instrument tunes meet fragmentation requirements. Blanks show no contamination.

The Tentatively Identified Compounds that was reported with a CAS number should also have been flagged with the "N" laboratory flag to indicate that the identification is tentative. There should have been an acknowledgement on the laboratory report form for MC-B-1-85.0 that no TICs were found.

Chain-of-Custody

The second sample on the custody does not show the collection date or matrix entries. The year was omitted from collection and relinquish dates; it was present on the laboratory receipt date.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

U - **The analyte was analyzed for, but was not detected above the reported sample quantitation limit.**

J - **The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.**

N - **The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."**

NJ - **The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.**

UJ - **The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.**

R - **The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.**

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVE

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: Muncy Cleaners OU2

OrderID: Z1238 **CustomerName:** Malcolm Pirnie, Inc.

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z1238-01	MC-B-1-51.6
Z1238-02	MC-B-1-85.0

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Mildred V Reyes Name: Mildred V Reyes

Date: 2/1/08 Title: QA/QC

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Muncy Cleaners OU2
Project # N/A
Chemtech Project # Z1238

A. Number of Samples and Date of Receipt:
2 Water samples were received on 1/23/08.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: and TCL Volatiles + 10. This data package contains results for TCL Volatiles + 10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA D were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analyses were performed on instrument MSVOAE using GC column ZB-624 which is 60 meters, 0.25 mm ID,1.40 um df. Vendor: Zebron,Part #: 7KG-G005-27,Serial #: 130107. The analysis of TCL Volatiles + 10 was based on method SW 846 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The Blank Spike met requirements for all samples except for Chloromethane, Acetone and Dichlorodifluoromethane . Acetone was found in the samples.
The Blank analysis did not indicate the presence of lab contamination.
The Tuning criteria met requirements.
Sample MC-B-1-85.0 was diluted due to high concentrations.

E. Additional Comments:
The Continuing Calibration met the requirements except for Dichlorodifluoromethane but it was not detected in samples.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

If there was an intercept on the Y axis, this could result in false negative identification of compounds. Hence, in such cases, the Average Response Curve Fit was used and plots for both types of curve fit are provided.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes Name: Mildred V. Reyes

Date: 2/1/08 Title: QA/QC

QUALIFIED RESULTS FORMS

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/22/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/23/2008**
Client Sample ID:	**MC-B-1-51.6**	**SDG No.:**	**Z1238**
Lab Sample ID:	**Z1238-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006771.D	1	1/23/2008	VE011908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	20		5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	1.5		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.82	J	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	1.1		1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/22/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/23/2008**
Client Sample ID:	**MC-B-1-51.6**	**SDG No.:**	**Z1238**
Lab Sample ID:	**Z1238-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006771.D	1	1/23/2008	VE011908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2.9	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	91		1.0	0.68	ug/L
108-90-7	Chlorobenzene	0.50	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	1.4	J	2.0	0.97	ug/L
95-47-6	o-Xylene	0.83	J	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.41	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.16	112 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	52.62	105 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	51.27	103 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	52	104 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	950280	9.39			
540-36-3	1,4-Difluorobenzene	1743107	10.49			
3114-55-4	Chlorobenzene-d5	1487825	14.92			
3855-82-1	1,4-Dichlorobenzene-d4	709243	18.73			
TENTITIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	33	N J	3.52		ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/22/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/23/2008**
Client Sample ID:	**MC-B-1-85.0**	**SDG No.:**	**Z1238**
Lab Sample ID:	**Z1238-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006772.D	I	1/23/2008	VE011908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	U UJ	1.0	0.43	ug/L
74-87-3	Chloromethane	0.38	U	1.0	0.38	ug/L
75-01-4	Vinyl chloride	0.46	U	1.0	0.46	ug/L
74-83-9	Bromomethane	0.63	U	1.0	0.63	ug/L
75-00-3	Chloroethane	0.49	U	1.0	0.49	ug/L
75-69-4	Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.35	U	1.0	0.35	ug/L
75-35-4	1,1-Dichloroethene	0.55	U	1.0	0.55	ug/L
67-64-1	Acetone	16		5.0	2.7	ug/L
75-15-0	Carbon disulfide	0.51	U	1.0	0.51	ug/L
1634-04-4	Methyl tert-butyl Ether	1.3		1.0	0.50	ug/L
79-20-9	Methyl Acetate	0.92	U	1.0	0.92	ug/L
75-09-2	Methylene Chloride	0.52	U	1.0	0.52	ug/L
156-60-5	trans-1,2-Dichloroethene	0.57	U	1.0	0.57	ug/L
75-34-3	1,1-Dichloroethane	0.55	U	1.0	0.55	ug/L
110-82-7	Cyclohexane	0.37	U	1.0	0.37	ug/L
78-93-3	2-Butanone	4.6	U	5.0	4.6	ug/L
56-23-5	Carbon Tetrachloride	0.49	U	1.0	0.49	ug/L
156-59-2	cis-1,2-Dichloroethene	0.61	J	1.0	0.53	ug/L
67-66-3	Chloroform	0.46	U	1.0	0.46	ug/L
71-55-6	1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L
108-87-2	Methylcyclohexane	0.43	U	1.0	0.43	ug/L
71-43-2	Benzene	0.52	U	1.0	0.52	ug/L
107-06-2	1,2-Dichloroethane	0.38	U	1.0	0.38	ug/L
79-01-6	Trichloroethene	0.99	J	1.0	0.56	ug/L
78-87-5	1,2-Dichloropropane	0.56	U	1.0	0.56	ug/L
75-27-4	Bromodichloromethane	0.59	U	1.0	0.59	ug/L
108-10-1	4-Methyl-2-Pentanone	2.7	U	5.0	2.7	ug/L
108-88-3	Toluene	0.51	U	1.0	0.51	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	U	1.0	0.44	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.54	U	1.0	0.54	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	1.0	0.52	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**1/22/2008**
Project:	**Muncy Cleaners OU2**	**Date Received:**	**1/23/2008**
Client Sample ID:	**MC-B-1-85.0**	**SDG No.:**	**Z1238**
Lab Sample ID:	**Z1238-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE006772.D	1	1/23/2008	VE011908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	~~2.9~~	U	5.0	2.9	ug/L
124-48-1	Dibromochloromethane	0.45	U	1.0	0.45	ug/L
106-93-4	1,2-Dibromoethane	~~0.56~~	U	1.0	0.56	ug/L
127-18-4	Tetrachloroethene	76 ~~110~~	~~E~~	1.0	0.68	ug/L
108-90-7	Chlorobenzene	~~0.50~~	U	1.0	0.50	ug/L
100-41-4	Ethyl Benzene	0.50	U	1.0	0.50	ug/L
126777-61-2	m/p-Xylenes	0.97	U	2.0	0.97	ug/L
95-47-6	o-Xylene	0.51	U	1.0	0.51	ug/L
100-42-5	Styrene	0.48	U	1.0	0.48	ug/L
75-25-2	Bromoform	0.42	U	1.0	0.42	ug/L
98-82-8	Isopropylbenzene	0.44	U	1.0	0.44	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	1.0	0.49	ug/L
541-73-1	1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L
106-46-7	1,4-Dichlorobenzene	0.43	U	1.0	0.43	ug/L
95-50-1	1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L
120-82-1	1,2,4-Trichlorobenzene	~~0.41~~	U	1.0	0.41	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.63	109 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	52.27	105 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	50.8	102 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	50.94	102 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	977078	9.39			
540-36-3	1,4-Difluorobenzene	1777070	10.49			
3114-55-4	Chlorobenzene-d5	1501557	14.91			
3855-82-1	1,4-Dichlorobenzene-d4	687128	18.72			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

November 6, 2008

Elias Moskal
Malcolm Pirnie, Inc.
43 British American Blvd
Latham, NY 12110

RE: Data Usability Summary Report (DUSR) for Munsey Cleaners OU2 site data packages
--groundwater samples
Chemtech SDG Nos. Z4521 and Z4522

Dear Mr. Moskal:

Review has been completed for the data packages generated by Chemtech Laboratory that pertain to groundwater samples collected 9/09/08 and 9/10/08 at the Munsey Cleaner site. Thirty-nine aqueous samples and a field duplicate were analyzed for TCL volatiles by USEPA SW846 method 8260B. Field and trip blanks were also processed.

The data package submitted by the laboratory contains full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA National and Regional validation guidance documents, with consideration of the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method, Trip, and Equipment Blanks
* Field Duplicate Correlations
* Laboratory Control Samples (LCSs)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level of review.

In summary, sample processing was conducted in compliance with the analysis protocol. All sample reported results are usable as reported, or usable with minor qualification. No data are rejected.

Copies of the laboratory client/laboratory sample identifications are attached to this text. Also attached are sample report forms with the recommended qualifiers and edits applied in red ink.

Volatile Analyses by USEPA SW846 860B

The initial analyses of MC-CMT-01-4, MC-CMT-01-5, and MC-CMT-01-6 are to be used, without qualification. The reanalyses exhibited outlying surrogate and internal standard responses.

The initial analysis of MC-10B is to be used, with no qualification. Two of the internal internal standards that were not associated with detected analytes exhibited marginally low responses, not affecting reporting limits of non-detected analytes. The reanalysis was less acceptable.

Results for analytes initially reported with the "E" laboratory flag are to be derived from the dilution analyses of the samples.

The detection of vinyl chloride in MC–CMT-02-6 is qualified as being tentative identification and estimated in value, due to poor mass spectral quality.

Blanks show no contamination of the analytes detected in associated field samples.

No project matrix spikes were evaluated. Therefore, the effect, if any, of sample matrix on recovery of the analytes has not been determined. Batch QC recoveries and duplicate correlations are acceptable, spiked blanks (LCSs) show good recoveries, and the field duplicate correlations for MC-11C are within validation guidelines.

Initial and continuing calibration standard linearity and calibration verification responses were\ within laboratory and validation guidelines, with the exception of that for tetrachloroethene (29%D) in samples reported in Z4522 and processed 9/15/08. Those results have been qualified as estimated in value, with a possible low bias.

Holding times were met and instrument tunes meet fragmentation requirements.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

U - **The analyte was analyzed for, but was not detected above the reported sample quantitation limit.**

J - **The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.**

N - **The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."**

NJ - **The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.**

UJ - **The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.**

R - **The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.**

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MC-CMT-02-7	Z4521-01	8260					
MC-CMT-02-6	Z4521-02	8260					
MC-CMT-02-4	Z4521-03	8260					
MC-CMT-02-3	Z4521-04	8260					
MC-CMT-02-2	Z4521-05	8260					
MC-CMT-02-1	Z4521-06	8260					
MC-CMT-01-7	Z4521-07	8260					
MC-CMT-01-6	Z4521-08	8260					
MC-CMT-01-5	Z4521-09	8260					
MC-CMT-01-4	Z4521-10	8260					
FIELDBLANK	Z4521-11	8260					
MC-CMT-01-3	Z4521-12	8260					
MC-CMT-01-2	Z4521-13	8260					
MC-CMT-01-1	Z4521-14	8260					
X-73	Z4521-15	8260					
X-71	Z4521-16	8260					
X-72	Z4521-17	8260					
MC-11A	Z4521-18	8260					
MC-11C	Z4521-19	8260					
MC-11B	Z4521-20	8260					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MC-12B	Z4522-01	8260					
MC-12C	Z4522-02	8260					
MC-10A	Z4522-03	8260					
MC-10B	Z4522-04	8260					
MC-10C	Z4522-05	8260					
MC-9A	Z4522-06	8260					
MC-9B	Z4522-07	8260					
MC-9C	Z4522-08	8260					
MC-6B	Z4522-09	8260					
MC-6C	Z4522-10	8260					
MC-3	Z4522-11	8260					
MC-5	Z4522-12	8260					
MC-8A	Z4522-13	8260					
MC-8B	Z4522-14	8260					
MC-8C	Z4522-15	8260					
PWSH-2	Z4522-16	8260					
PWSH-1	Z4522-17	8260					
MC-7A	Z4522-18	8260					
MC-7B	Z4522-19	8260					
MC-7C	Z4522-20	8260					
MC-X	Z4522-21	8260					
TRIPBLANK	Z4522-22	8260					

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Muncy Cleaners OU2
Project # N/A
Chemtech Project # Z4521

A. Number of Samples and Date of Receipt:
20 Water samples were received on 9/11/08.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: and TCL Volatiles + 10. This data package contains results for TCL Volatiles + 10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.
The analysis of TCL Volatiles + 10 was based on method 8260.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for MC-CMT-01-6RE, MC-CMT-01-5RE and MC-CMT-01-4RE.
The Internal Standards Areas met the acceptable requirements except for MC-CMT-01-6RE, MC-CMT-01-5RE and MC-CMT-01-4RE.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria except for Methyl Acetate.
The Blank Spike met requirements for all samples except for 1,2-Dibromoethane.
The Blank analysis did not indicate the presence of lab contamination.
The Tuning criteria met requirements.

E. Additional Comments:
The Calibration File ID met the requirements except for 2-Butanone, Bromodichloromethane and Chloromethane but it is not present in the sample,. Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes Mildred V. Reyes
I am approving this document
2008.09.24 16:34:00 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Muncy Cleaners OU2
Project # N/A
Chemtech Project # Z4522

A. Number of Samples and Date of Receipt:
22 Water samples were received on 9/11/08.

B. Parameters
According to the Chain of Custody document, the following analyses were requested:
and TCL Volatiles + 10. This data package contains results for TCL Volatiles + 10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA G were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for MC-10BRE.
The Internal Standards Areas met the acceptable requirements except for MC-10B and MC-10BRE.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria except for Methyl Acetate.
The Blank Spike met requirements for all samples except for 1,2-Dibromoethane and 1,2-Dibromo-3-Chloropropane.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:

The Continuing Calibration met the requirements except for Chloromethane.
Samples MC-12B, MC-12C, MC-6C, MC-3, MC-7A, MC-7B and MC-7C were diluted due to high concentrations.

Please use %D calculated based on AvgRF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

Mildred V. Reyes
I am approving this document
2008.09.25 11:07:19 -04'00'

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

August 19, 2009

Christine Thomas
Malcolm Pirnie, Inc
855 Route 146 Suite 210
Clifton Park, NY 12065

RE Plaza Cleaners site
Data Usability Summary Report (DUSR)
Chemtech SDG No. A3331

Dear Ms. Thomas:

Review has been completed for the data package generated by Chemtech Laboratories that pertains to samples collected 06/23/09 through 06/26/09 at the Plaza Cleaners site. Five soil samples, nine aqueous samples, and field duplicates of both matrices were processed for volatiles by USEPA SW846 method 8260B.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is primarily generated from review of the summary form information, with full review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, per the USEPA Region 2 validation SOPs and the USEPA CLP National Functional Guidelines for Data Review, with consideration of the requirements of the specific analytical methodologies. The following items were reviewed:

* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Preparation/Calibration Blanks
* Matrix Spiked Blanks/Laboratory Control Samples (LCSs)
* Field Duplicate Correlations
* Instrumental Tunes
* Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for this level of review.

In summary, results for the samples are usable as reported, or usable with minor qualification due to sample matrix or to processing outliers.

Copies of the sample identification summary and laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report. Also included with this report are validation qualifier definitions and red-ink qualified sample report forms.

The following text discusses quality issues of concern.

Chain-of-Custody/Sample Receipt

The interim receipt signature was not present on the custody.

TCL Volatiles by EPA 8260B

Results for analytes initially reported with the laboratory "E" flag are derived from those analyses, due to inconsistent results between the initial and undiluted analyses. Those results are qualified as estimated due to response above the linear range of the instrument.

PC-B-02-GW-45 and PC-B-01GW-50 exhibit outlying low responses for all four internal standards in the initial analyses. Therefore, all volatile results in those samples are qualified as estimated in value.

The matrix spikes (MS/MSD) of PC-B-04-39 and PC-SB-04-GW show acceptable accuracy and precision.

Field duplicates of PC-B-05-GW-45 and PC-B-05-25 show acceptable correlations.

The detected results for acetone and tetrachloroethene in all of the aqueous samples except PC-B-01-GW-50, PC-B-02-GW-45, and PC-B-03-GW-68 are qualified as estimated due to elevated recoveries (150% and 165%) in the associated LCS.

Calibrations standard responses were within laboratory and validation guidelines, with the following exceptions:

- acetone in the soil samples are qualified as estimated due to low response factors
- carbon disulfide (23%D) in PC-B-01-GW-99, PC-B-02-GW-89, PC-B-04-GW-45, PC-B-04-GW-99, PC-B-05-GW-99, PC-B-05-GW-45, PC-B-01-GW-99, FIELD BLANK, and TRIP BLANK

Tentatively Identified Compounds that are not part of the analytical software target list should have been flagged by the laboratory as "N" to indicate that the identification is tentative. These have been added to the attached forms during this review. Additionally, some of the TICs were over-characterized by the laboratory, and should show more general identifications.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

Att

VALIDATION DATA QUALIFIER DEFINITIONS

U - The compound was analyzed for, but was not detected above the level of the associated value.

J - The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

UJ - The compound was not detected. The associated reporting limit is an estimate and may be inaccurate or imprecise.

NJ - The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.

R - The data are unusable. The analyte may or may not be present.

EMPC - The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
PC-B-01-44	A3331-01	8260					Chemtech - SOP
PC-B-02-40	A3331-02	8260					Chemtech - SOP
PC-B-03-24	A3331-03	8260					Chemtech - SOP
PC-B-04-39	A3331-04	8260					Chemtech - SOP
PC-B-05-25	A3331-07	8260					Chemtech - SOP
FIELDDUP	A3331-08	8260					Chemtech - SOP
PC-B-01-GW-50	A3331-09	8260					
PC-B-01-GW-99	A3331-10	8260					
PC-B-02-GW-89	A3331-11	8260					
PC-B-02-GW-45	A3331-12	8260					
PC-B-03-GW-68	A3331-13	8260					
PC-B-04-GW-45	A3331-14	8260					
PC-B-04-GW-99	A3331-17	8260					
PC-B-05-GW-99	A3331-18	8260					
PC-B-05-GW-45	A3331-19	8260					
FIELDDUP	A3331-20	8260					
TRIPBLANK	A3331-22	8260					

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # A3331

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 6/26/09.
13 Water samples were received on 6/26/09.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator.The analysis performed on instrument MSVOA G were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA H were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.
The analysis of VOC-TCLVOA-10 was based on method 8260.

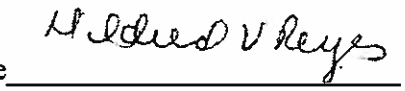
D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements except for PC-B-02-GW-45 and PC-B-01-GW-50.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for 1,2-Dichloroethane.
The MSD recoveries met the acceptable requirements except for 1,1-Dichloroethene.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples except for 1,1,1-Trichloroethane, Bromodichloromethane, t-1,3-Dichloropropene, Ethylbenzene, 1,1,2,2-Tetrachloroethane, Acetone, Tetrachloroethene and Dichlorodifluoromethane.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration File ID VG019924.D met the requirements except for Chloromethane and Ethylbenzene.

The Calibration File ID VH030203.D met the requirements except for Methylcyclohexane but it is not present in the sample. The Tuning criteria met requirements.
Samples PC-B-02-GW-89, PC-B-04-GW-99 and PC-B-05-GW-99 were diluted as a straight run due to limited volume received.

Samples PC-B-01-GW-99 and PC-B-02-GW-45 were diluted due to high concentrations.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.
Tetrachloroethane in Sample # PC-B-01-GW-50 is coming just above the initial calibration points(E flag) and this sample is failing in internal standard also but due to limited volume there is no vials to run a dilution.
Sample # 9, 12 and 13 were analyzed with 1 PPB other samples can not run with that low level because of samples high in sediment and not enough volume.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature 

Mildred V. Reyes
I am approving this document
2009.07.08 13:42:47 -04'00'

QUALIFIED SAMPLE RESULTS FORMS

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-01-44

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID. A3331-01

Sample wt/vol: 1 (g/mL) g Lab File ID: VK033305.D

Level: (low/med) LOW Date Received 06/26/09

% Moisture: not dec. 24 Date Analyzed: 06/29/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	33	U
74-87-3	Chloromethane	33	U
75-01-4	Vinyl Chloride	33	U
74-83-9	Bromomethane	33	U
75-00-3	Chloroethane	33	U
75-69-4	Trichlorofluoromethane	33	U
76-13-1	1,1,2-Trichlorotrifluoroethane	33	U
75-35-4	1,1-Dichloroethene	33	U
67-64-1	Acetone	160	U UJ
75-15-0	Carbon Disulfide	33	U
1634-04-4	Methyl tert-butyl Ether	33	U
79-20-9	Methyl Acetate	33	U
75-09-2	Methylene Chloride	33	U
156-60-5	trans-1,2-Dichloroethene	33	U
75-34-3	1,1-Dichloroethane	33	U
110-82-7	Cyclohexane	33	U
78-93-3	2-Butanone	160	U
56-23-5	Carbon Tetrachloride	33	U
156-59-2	cis-1,2-Dichloroethene	33	U
67-66-3	Chloroform	33	U
71-55-6	1,1,1-Trichloroethane	33	U
108-87-2	Methylcyclohexane	33	U
71-43-2	Benzene	33	U
107-06-2	1,2-Dichloroethane	33	U
79-01-6	Trichloroethene	33	U
78-87-5	1,2-Dichloropropane	33	U
75-27-4	Bromodichloromethane	33	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-01-44

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-01

Sample wt/vol: 1 (g/mL) g Lab File ID: VK033305 D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 24 Date Analyzed: 06/29/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
108-10-1	4-Methyl-2-Pentanone	160	U
108-88-3	Toluene	33	U
10061-02-6	t-1,3-Dichloropropene	33	U
10061-01-5	cis-1,3-Dichloropropene	33	U
79-00-5	1,1,2-Trichloroethane	33	U
591-78-6	2-Hexanone	160	U
124-48-1	Dibromochloromethane	33	U
106-93-4	1,2-Dibromoethane	33	U
127-18-4	Tetrachloroethene	33	U
108-90-7	Chlorobenzene	33	U
100-41-4	Ethyl Benzene	33	U
179601-23-1	m/p-Xylenes	66	U
95-47-6	o-Xylene	33	U
100-42-5	Styrene	33	U
75-25-2	Bromoform	33	U
98-82-8	Isopropylbenzene	33	U
79-34-5	1,1,2,2-Tetrachloroethane	33	U
541-73-1	1,3-Dichlorobenzene	33	U
106-46-7	1,4-Dichlorobenzene	33	U
95-50-1	1,2-Dichlorobenzene	33	U
96-12-8	1,2-Dibromo-3-Chloropropane	33	U
120-82-1	1,2,4-Trichlorobenzene	33	U

CHEMTECH

-1E-

SOIL VOLATILE ANALYSIS

TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PC-B-01-44

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-01

Sample wt/vol: 1 (g/mL) g Lab File ID: VK033305.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 24 Date Analyzed: 06/29/09

GC Column: RTX-VMS ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.85	300	NJ

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-02-40

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-02

Sample wt/vol: 1.03 (g/mL) g Lab File ID: VK033306.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 7 Date Analyzed: 06/29/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	26	U
74-87-3	Chloromethane	26	U
75-01-4	Vinyl Chloride	26	U
74-83-9	Bromomethane	26	U
75-00-3	Chloroethane	26	U
75-69-4	Trichlorofluoromethane	26	U
76-13-1	1,1,2-Trichlorotrifluoroethane	26	U
75-35-4	1,1-Dichloroethene	26	U
67-64-1	Acetone	130	U UJ
75-15-0	Carbon Disulfide	26	U
1634-04-4	Methyl tert-butyl Ether	26	U
79-20-9	Methyl Acetate	26	U
75-09-2	Methylene Chloride	26	U
156-60-5	trans-1,2-Dichloroethene	26	U
75-34-3	1,1-Dichloroethane	26	U
110-82-7	Cyclohexane	26	U
78-93-3	2-Butanone	130	U
56-23-5	Carbon Tetrachloride	26	U
156-59-2	cis-1,2-Dichloroethene	26	U
67-66-3	Chloroform	26	U
71-55-6	1,1,1-Trichloroethane	26	U
108-87-2	Methylcyclohexane	26	U
71-43-2	Benzene	26	U
107-06-2	1,2-Dichloroethane	26	U
79-01-6	Trichloroethene	26	U
78-87-5	1,2-Dichloropropane	26	U
75-27-4	Bromodichloromethane	26	U
108-10-1	4-Methyl-2-Pentanone	130	U
108-88-3	Toluene	26	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-02-40

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-02

Sample wt/vol: 1.03 (g/mL) g Lab File ID: VK033306.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 7 Date Analyzed: 06/29/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
10061-02-6	t-1,3-Dichloropropene	26	U
10061-01-5	cis-1,3-Dichloropropene	26	U
79-00-5	1,1,2-Trichloroethane	26	U
591-78-6	2-Hexanone	130	U
124-48-1	Dibromochloromethane	26	U
106-93-4	1,2-Dibromoethane	26	U
127-18-4	Tetrachloroethene	26	U
108-90-7	Chlorobenzene	26	U
100-41-4	Ethyl Benzene	26	U
179601-23-1	m/p-Xylenes	52	U
95-47-6	o-Xylene	26	U
100-42-5	Styrene	26	U
75-25-2	Bromoform	26	U
98-82-8	Isopropylbenzene	26	U
79-34-5	1,1,2,2-Tetrachloroethane	26	U
541-73-1	1,3-Dichlorobenzene	26	U
106-46-7	1,4-Dichlorobenzene	26	U
95-50-1	1,2-Dichlorobenzene	26	U
96-12-8	1,2-Dibromo-3-Chloropropane	26	U
120-82-1	1,2,4-Trichlorobenzene	26	U

CHEMTECH

-1E-

SOIL VOLATILE ANALYSIS

TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PC-B-02-40

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-02

Sample wt/vol: 1.03 (g/mL) g Lab File ID: VK033306.D

Level: (low/med) LOW Date Received 06/26/09

% Moisture: not dec. 7 Date Analyzed: 06/29/09

GC Column: RTX-VMS ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.85	220	NJ

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-03-24

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-03

Sample wt/vol: 1.02 (g/mL) g Lab File ID: VK033307.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 5 Date Analyzed: 06/30/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	26	U
74-87-3	Chloromethane	26	U
75-01-4	Vinyl Chloride	26	U
74-83-9	Bromomethane	26	U
75-00-3	Chloroethane	26	U
75-69-4	Trichlorofluoromethane	26	U
76-13-1	1,1,2-Trichlorotrifluoroethane	26	U
75-35-4	1,1-Dichloroethene	26	U
67-64-1	Acetone	130	U UJ
75-15-0	Carbon Disulfide	26	U
1634-04-4	Methyl tert-butyl Ether	26	U
79-20-9	Methyl Acetate	26	U
75-09-2	Methylene Chloride	26	U
156-60-5	trans-1,2-Dichloroethene	26	U
75-34-3	1,1-Dichloroethane	26	U
110-82-7	Cyclohexane	26	U
78-93-3	2-Butanone	130	U
56-23-5	Carbon Tetrachloride	26	U
156-59-2	cis-1,2-Dichloroethene	26	U
67-66-3	Chloroform	26	U
71-55-6	1,1,1-Trichloroethane	26	U
108-87-2	Methylcyclohexane	26	U
71-43-2	Benzene	26	U
107-06-2	1,2-Dichloroethane	26	U
79-01-6	Trichloroethene	26	U
78-87-5	1,2-Dichloropropane	26	U
75-27-4	Bromodichloromethane	26	U
108-10-1	4-Methyl-2-Pentanone	130	U
108-88-3	Toluene	26	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-03-24

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-03

Sample wt/vol: 1.02 (g/mL) g Lab File ID: VK033307.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 5 Date Analyzed: 06/30/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
10061-02-6	t-1,3-Dichloropropene	26	U
10061-01-5	cis-1,3-Dichloropropene	26	U
79-00-5	1,1,2-Trichloroethane	26	U
591-78-6	2-Hexanone	130	U
124-48-1	Dibromochloromethane	26	U
106-93-4	1,2-Dibromoethane	26	U
127-18-4	Tetrachloroethene	26	U
108-90-7	Chlorobenzene	26	U
100-41-4	Ethyl Benzene	26	U
179601-23-1	m/p-Xylenes	52	U
95-47-6	o-Xylene	26	U
100-42-5	Styrene	26	U
75-25-2	Bromoform	26	U
98-82-8	Isopropylbenzene	26	U
79-34-5	1,1,2,2-Tetrachloroethane	26	U
541-73-1	1,3-Dichlorobenzene	26	U
106-46-7	1,4-Dichlorobenzene	26	U
95-50-1	1,2-Dichlorobenzene	26	U
96-12-8	1,2-Dibromo-3-Chloropropane	26	U
120-82-1	1,2,4-Trichlorobenzene	26	U

CHEMTECH

-1E-

SOIL VOLATILE ANALYSIS

TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PC-B-03-24

Lab Name. Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-03

Sample wt/vol: 1.02 (g/mL) g Lab File ID: VK033307.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 5 Date Analyzed: 06/30/09

GC Column: RTX-VMS ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.85	120	NJ

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-04-39

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-04

Sample wt/vol: 1.02 (g/mL) g Lab File ID: VK033295.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 8 Date Analyzed: 06/29/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	27	U
74-87-3	Chloromethane	27	U
75-01-4	Vinyl Chloride	27	U
74-83-9	Bromomethane	27	U
75-00-3	Chloroethane	27	U
75-69-4	Trichlorofluoromethane	27	U
76-13-1	1,1,2-Trichlorotrifluoroethane	27	U
75-35-4	1,1-Dichloroethene	27	U
67-64-1	Acetone	130	U U3
75-15-0	Carbon Disulfide	27	U
1634-04-4	Methyl tert-butyl Ether	27	U
79-20-9	Methyl Acetate	27	U
75-09-2	Methylene Chloride	27	U
156-60-5	trans-1,2-Dichloroethene	27	U
75-34-3	1,1-Dichloroethane	27	U
110-82-7	Cyclohexane	27	U
78-93-3	2-Butanone	130	U
56-23-5	Carbon Tetrachloride	27	U
156-59-2	cis-1,2-Dichloroethene	27	U
67-66-3	Chloroform	27	U
71-55-6	1,1,1-Trichloroethane	27	U
108-87-2	Methylcyclohexane	27	U
71-43-2	Benzene	27	U
107-06-2	1,2-Dichloroethane	27	U
79-01-6	Trichloroethene	27	U
78-87-5	1,2-Dichloropropane	27	U
75-27-4	Bromodichloromethane	27	U
108-10-1	4-Methyl-2-Pentanone	130	U
108-88-3	Toluene	27	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-04-39

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-04

Sample wt/vol: 1.02 (g/mL) g Lab File ID: VK033295.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 8 Date Analyzed: 06/29/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
10061-02-6	t-1,3-Dichloropropene	27	U
10061-01-5	cis-1,3-Dichloropropene	27	U
79-00-5	1,1,2-Trichloroethane	27	U
591-78-6	2-Hexanone	130	U
124-48-1	Dibromochloromethane	27	U
106-93-4	1,2-Dibromoethane	27	U
127-18-4	Tetrachloroethene	27	U
108-90-7	Chlorobenzene	27	U
100-41-4	Ethyl Benzene	27	U
179601-23-1	m/p-Xylenes	53	U
95-47-6	o-Xylene	27	U
100-42-5	Styrene	27	U
75-25-2	Bromoform	27	U
98-82-8	Isopropylbenzene	27	U
79-34-5	1,1,2,2-Tetrachloroethane	27	U
541-73-1	1,3-Dichlorobenzene	27	U
106-46-7	1,4-Dichlorobenzene	27	U
95-50-1	1,2-Dichlorobenzene	27	U
96-12-8	1,2-Dibromo-3-Chloropropane	27	U
120-82-1	1,2,4-Trichlorobenzene	27	U

CHEMTECH

-1E-

SOIL VOLATILE ANALYSIS
TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
PC-B-04-39

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-04

Sample wt/vol. 1.02 (g/mL) g Lab File ID: VK033295.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 8 Date Analyzed: 06/29/09

GC Column: RTX-VMS ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC	Q
141-78-6	Ethyl Acetate	2.86	240	AJ

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-05-25

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-07

Sample wt/vol: 1 (g/mL) g Lab File ID: VK033308.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 9 Date Analyzed: 06/30/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	27	U
74-87-3	Chloromethane	27	U
75-01-4	Vinyl Chloride	27	U
74-83-9	Bromomethane	27	U
75-00-3	Chloroethane	27	U
75-69-4	Trichlorofluoromethane	27	U
76-13-1	1,1,2-Trichlorotrifluoroethane	27	U
75-35-4	1,1-Dichloroethene	27	U
67-64-1	Acetone	140	U UJ
75-15-0	Carbon Disulfide	27	U
1634-04-4	Methyl tert-butyl Ether	27	U
79-20-9	Methyl Acetate	27	U
75-09-2	Methylene Chloride	27	U
156-60-5	trans-1,2-Dichloroethene	27	U
75-34-3	1,1-Dichloroethane	27	U
110-82-7	Cyclohexane	27	U
78-93-3	2-Butanone	140	U
56-23-5	Carbon Tetrachloride	27	U
156-59-2	cis-1,2-Dichloroethene	27	U
67-66-3	Chloroform	27	U
71-55-6	1,1,1-Trichloroethane	27	U
108-87-2	Methylcyclohexane	27	U
71-43-2	Benzene	27	U
107-06-2	1,2-Dichloroethane	27	U
79-01-6	Trichloroethene	27	U
78-87-5	1,2-Dichloropropane	27	U
75-27-4	Bromodichloromethane	27	U
108-10-1	4-Methyl-2-Pentanone	140	U
108-88-3	Toluene	27	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-05-25

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-07

Sample wt/vol: 1 (g/mL) g Lab File ID: VK033308.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 9 Date Analyzed: 06/30/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
10061-02-6	t-1,3-Dichloropropene	27	U
10061-01-5	cis-1,3-Dichloropropene	27	U
79-00-5	1,1,2-Trichloroethane	27	U
591-78-6	2-Hexanone	140	U
124-48-1	Dibromochloromethane	27	U
106-93-4	1,2-Dibromoethane	27	U
127-18-4	Tetrachloroethene	27	U
108-90-7	Chlorobenzene	27	U
100-41-4	Ethyl Benzene	27	U
179601-23-1	m/p-Xylenes	55	U
95-47-6	o-Xylene	27	U
100-42-5	Styrene	27	U
75-25-2	Bromoform	27	U
98-82-8	Isopropylbenzene	27	U
79-34-5	1,1,2,2-Tetrachloroethane	27	U
541-73-1	1,3-Dichlorobenzene	27	U
106-46-7	1,4-Dichlorobenzene	27	U
95-50-1	1,2-Dichlorobenzene	27	U
96-12-8	1,2-Dibromo-3-Chloropropane	27	U
120-82-1	1,2,4-Trichlorobenzene	27	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDDUP

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID. A3331-08

Sample wt/vol: 1 (g/mL) g Lab File ID: VK033309.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 13 Date Analyzed: 06/30/09

GC Column: RTX-VMS ID 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	29	U
74-87-3	Chloromethane	29	U
75-01-4	Vinyl Chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
75-69-4	Trichlorofluoromethane	29	U
76-13-1	1,1,2-Trichlorotrifluoroethane	29	U
75-35-4	1,1-Dichloroethene	29	U
67-64-1	Acetone	140	U U5
75-15-0	Carbon Disulfide	29	U
1634-04-4	Methyl tert-butyl Ether	29	U
79-20-9	Methyl Acetate	29	U
75-09-2	Methylene Chloride	29	U
156-60-5	trans-1,2-Dichloroethene	29	U
75-34-3	1,1-Dichloroethane	29	U
110-82-7	Cyclohexane	29	U
78-93-3	2-Butanone	140	U
56-23-5	Carbon Tetrachloride	29	U
156-59-2	cis-1,2-Dichloroethene	29	U
67-66-3	Chloroform	29	U
71-55-6	1,1,1-Trichloroethane	29	U
108-87-2	Methylcyclohexane	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	U
79-01-6	Trichloroethene	29	U
78-87-5	1,2-Dichloropropane	29	U
75-27-4	Bromodichloromethane	29	U
108-10-1	4-Methyl-2-Pentanone	140	U
108-88-3	Toluene	29	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDDUP

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID: A3331-08

Sample wt/vol: 1 (g/mL) g Lab File ID: VK033309.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 13 Date Analyzed: 06/30/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
10061-02-6	t-1,3-Dichloropropene	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
79-00-5	1,1,2-Trichloroethane	29	U
591-78-6	2-Hexanone	140	U
124-48-1	Dibromochloromethane	29	U
106-93-4	1,2-Dibromoethane	29	U
127-18-4	Tetrachloroethene	29	U
108-90-7	Chlorobenzene	29	U
100-41-4	Ethyl Benzene	29	U
179601-23-1	m/p-Xylenes	57	U
95-47-6	o-Xylene	29	U
100-42-5	Styrene	29	U
75-25-2	Bromoform	29	U
98-82-8	Isopropylbenzene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
541-73-1	1,3-Dichlorobenzene	29	U
106-46-7	1,4-Dichlorobenzene	29	U
95-50-1	1,2-Dichlorobenzene	29	U
96-12-8	1,2-Dibromo-3-Chloropropane	29	U
120-82-1	1,2,4-Trichlorobenzene	29	U

CHEMTECH

-1E-

SOIL VOLATILE ANALYSIS
TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELDDUP

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): SOIL Lab Sample ID A3331-08

Sample wt/vol: 1 (g/mL) g Lab File ID. VK033309.D

Level: (low/med) LOW Date Received 06/26/09

% Moisture: not dec 13 Date Analyzed: 06/30/09

GC Column: RTX-VMS ID 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.85	260	J

FORM I SV-TIC

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-01-GW-50

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-09

Sample wt/vol: 5 (g/mL) ml Lab File ID: VG019930.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/02/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1	U UJ
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	30	J
75-15-0	Carbon Disulfide	1	U UJ
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	0.71	J J
71-55-6	1,1,1-Trichloroethane	1	U UJ
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	2.8	J
78-87-5	1,2-Dichloropropane	1	U UJ
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	0.57	J J

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-01-GW-50

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-09

Sample wt/vol: 5 (g/mL) ml Lab File ID: VG019930.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/02/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	1	U UJ
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U V
127-18-4	Tetrachloroethene	200	E J
108-90-7	Chlorobenzene	1	U UJ
100-41-4	Ethyl Benzene	1	U UJ
179601-23-1	m/p-Xylenes	3	J
95-47-6	o-Xylene	0.86	J J
100-42-5	Styrene	1	U UJ
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U V

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-01-GW-99

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-10

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030191.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	81	
75-15-0	Carbon Disulfide	5	U UJ
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	8.6	J
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	1.8	J
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	14	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-01-GW-99

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-10

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030191.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	~~170~~ 170	~~E~~ E J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-02-GW-89

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-11

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030197.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 2

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	510	
75-15-0	Carbon Disulfide	10	U UJ
1634-04-4	Methyl tert-butyl Ether	1.7	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	33	J
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	14	J
108-88-3	Toluene	1.2	J

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-02-GW-89

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-11

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030197.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 2

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	8.7	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
179601-23-1	m/p-Xylenes	20	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	4.4	J

CHEMTECH

-1E-

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PC-B-02-GW-89

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-11

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030197.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 Dilution Factor: 2

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 10 Concentration Units: ug/L

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
001191-96-4	Cyclopropane, ethyl-	1.12	10	J
75-65-0	Tert butyl alcohol	1.87	18	J
000108-11-2	2-Pentanol, 4-methyl-	5.88	12	J
98-06-6	tert-Butylbenzene	9.27	1.1	J
135-98-8	sec-Butylbenzene	9.44	2.1	J
99-87-6	p-Isopropyltoluene	9.61	2.0	J
104-51-8	n-Butylbenzene	10	3.2	J
67-72-1	Hexachloroethane	10.05	2.4	J
91-20-3	Naphthalene	11.58	3.1	J
87-61-6	1,2,3-Trichlorobenzene	11.72	5.7	J

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-02-GW-45

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-12

Sample wt/vol: 5 (g/mL) ml Lab File ID: VG019931.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/02/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1	U UJ
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	6.6	J
75-15-0	Carbon Disulfide	0.69	J
1634-04-4	Methyl tert-butyl Ether	21	J
79-20-9	Methyl Acetate	1	U UJ
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	2.1	J
67-66-3	Chloroform	1	U UJ
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	3.5	J
78-87-5	1,2-Dichloropropane	1	U UJ
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	0.73	J

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-02-GW-45

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-12

Sample wt/vol: 5 (g/mL) ml Lab File ID: VG019931.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec 100 Date Analyzed: 07/02/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO	COMPOUND	(ug/L or ug/Kg) ug/L	Q	
10061-02-6	t-1,3-Dichloropropene	1	U	UJ
10061-01-5	cis-1,3-Dichloropropene	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	1	U	
106-93-4	1,2-Dibromoethane	1	U	V
127-18-4	Tetrachloroethene	430	E	J
108-90-7	Chlorobenzene	1	U	UJ
100-41-4	Ethyl Benzene	1	U	UJ
179601-23-1	m/p-Xylenes	2.4		J
95-47-6	o-Xylene	0.73	J	J
100-42-5	Styrene	1	U	UJ
75-25-2	Bromoform	1	U	
98-82-8	Isopropylbenzene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
541-73-1	1,3-Dichlorobenzene	1	U	
106-46-7	1,4-Dichlorobenzene	1	U	
95-50-1	1,2-Dichlorobenzene	1	U	
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	
120-82-1	1,2,4-Trichlorobenzene	1	U	V

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-03-GW-68

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-13

Sample wt/vol: 5 (g/mL) ml Lab File ID: VG019932.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/02/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	2.3	J
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	2.7	
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	30	
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	20	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-03-GW-68

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-13

Sample wt/vol: 5 (g/mL) ml Lab File ID: VG019932.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/02/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	1.6	J
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-04-GW-45

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-14

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030194 D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U UJ
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	1.1	J
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-04-GW-45

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-14

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030194.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	11	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-04-GW-99

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-17

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030198.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 2

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	47	J
75-15-0	Carbon Disulfide	10	U U J
1634-04-4	Methyl tert-butyl Ether	2 2	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	8 2	J
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-04-GW-99

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-17

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030198.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 2

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	7.1	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
179601-23-1	m/p-Xylenes	20	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

CHEMTECH

-1E-

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PC-B-04-GW-99

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-17

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030198.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 Dilution Factor: 2

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/L

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
001191-96-4	Cyclopropane, ethyl-	1.11	14	NJ

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-05-GW-99

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-18

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030199.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column. RTX-VMS ID: 0.18 (mm) Dilution Factor: 2

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	37	J
75-15-0	Carbon Disulfide	10	U UJ
1634-04-4	Methyl tert-butyl Ether	1.7	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
110-82-7	Cyclohexane	10	U
78-93-3	2-Butanone	8.3	J
56-23-5	Carbon Tetrachloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
108-87-2	Methylcyclohexane	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	10	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-05-GW-99

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-18

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030199.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 2

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
127-18-4	Tetrachloroethene	3	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl Benzene	10	U
179601-23-1	m/p-Xylenes	20	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

CHEMTECH

-1E-

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
PC-B-05-GW-99

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-18

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030199.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 Dilution Factor: 2

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
001191-96-4	Cyclopropane, ethyl-	1.11	14	J

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-05-GW-45

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-19

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030200.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	55	
75-15-0	Carbon Disulfide	5	U UJ
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	13	
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	2.7	J
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	38	
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	30	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	2	J

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PC-B-05-GW-45

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-19

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030200.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	4	J
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	81	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	31	
179601-23-1	m/p-Xylenes	67	
95-47-6	o-Xylene	21	
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	9.6	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U

CHEMTECH

-1E-

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
PC-B-05-GW-45

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-19

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030200.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 16 Concentration Units: ug/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
001191-96-4	Cyclopropane, ethyl-	1.11	13	NJ
000107-83-5	Pentane, 2-methyl-	1.5	7.1	NJ
000592-76-7	1-Heptene	1.76	7.4	NJ
000591-49-1	Cyclohexene, 1-methyl-	4.61	7.2	NJ
103-65-1	n-propylbenzene	8.7	30	J
000611-14-3	Benzene, 1-ethyl-2-methyl-	8.84	120	NJ
108-67-8	1,3,5-Trimethylbenzene	8.95	62	J
000526-73-8	Benzene, 1,2,3-trimethyl-	9.15	53	J
95-63-6	1,2,4-Trimethylbenzene	9.34	170	J
135-98-8	sec-Butylbenzene	9.45	4.2	J
99-87-6	p-Isopropyltoluene	9.58	9.1	J
000620-14-4	Benzene, 1-ethyl-3-methyl-	9.75	48	NJ
000496-11-7	Indane	9.86	21	NJ
000105-05-5	Benzene, 1,4-diethyl-	9.89	8.2	J
001074-43-7	Benzene, 1-methyl-3-propyl-	9.93	20	NJ
91-20-3	Naphthalene	11.58	8.5	J

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDDUP

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-20

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030201.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	53	
75-15-0	Carbon Disulfide	5	U UJ
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	12	
78-93-3	2-Butanone	13	J
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	2.8	J
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	32	
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	34	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	1.6	J

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDDUP

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-20

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030201.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	2.6	J
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	65	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	26	
179601-23-1	m/p-Xylenes	50	
95-47-6	o-Xylene	17	
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	7.6	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U

CHEMTECH

-1E-

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
FIELDDUP

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-20

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030201.D

Level: (low/med) LOW Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 17 Concentration Units: ug/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
001191-96-4	Cyclopropane, ethyl-	1.111	13	NJ
000107-83-5	Pentane, 2-methyl-	1.505	6.7	J
003524-73-0	1-Hexene, 5-methyl-	1.759	7.2	J
000763-29-1	1-Pentene, 2-methyl-	2.142	6.7	J
000142-82-5	Heptane	3.164	7.1	J
103-65-1	n-propylbenzene	8.71	23	J
	unknown9.15	8.83	93	NJ
108-67-8	1,3,5-Trimethylbenzene	8.95	49	J
000611-14-3	Benzene, 1-ethyl-2-methyl-	9.153	42	NJ
95-63-6	1,2,4-Trimethylbenzene	9.34	130	J
135-98-8	sec-Butylbenzene	9.45	3.8	J
99-87-6	p-Isopropyltoluene	9.58	8.0	J
000095-63-6	Benzene, 1,2,4-trimethyl-	9.748	38	J
000496-11-7	Indane	9.85	16	NJ
001074-43-7	Benzene, 1-methyl-3-propyl-	9.931	24	NJ
104-51-8	n-Butylbenzene	9.99	15	J
91-20-3	Naphthalene	11.57	6.7	J

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-22

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030189.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U 4.5
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: Malcolm Pirnie, Inc.

Lab Code: CHEM Case No.: A3331 SAS No.: A3331 SDG No.: A3331

Matrix (soil/water): WATER Lab Sample ID: A3331-22

Sample wt/vol: 5 (g/mL) ml Lab File ID: VH030189.D

Level: (low/med) Date Received: 06/26/09

% Moisture: not dec. 100 Date Analyzed: 07/01/09

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

August 23, 2010

Mark Flusche
Malcolm Pirnie, Inc
855 Route 146 Suite 210
Clifton Park, NY 12065

RE Plaza Cleaners site
Data Usability Summary Report (DUSR)
Chemtech SDG Nos. B2286, B2287, B2288, B2331, and B2333
AirToxics SDG 1006286

Dear Mr. Flusche:

Review has been completed for the data packages generated by Chemtech and AirToxics laboratories that pertain to samples collected between 05/12/10 and 06/08/10 at the Plaza Cleaners site. Seventy-three aqueous samples and four field duplicates were processed for volatiles by USEPA SW846 method 8260B, and four 6 L summa canisters were processed for volatile analytes by a modified USEPA method TO-15, including the use of Selective Ion Monitoring (SIM) to reach the desired reporting limits where possible.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is primarily generated from review of the summary form information, with full review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, per the USEPA Region 2 validation SOPs and the USEPA CLP National Functional Guidelines for Data Review, with consideration of the requirements of the specific analytical methodologies. The following items were reviewed:

* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Preparation/Calibration/Canister Blanks
* Matrix Spiked Blanks/Laboratory Control Samples (LCSs)
* Instrumental Tunes
* Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for this level of review.

In summary, results for the samples are usable as reported, or usable with edit or minor qualification.

Copies of the sample identification summary and laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report. Also included with this report are validation qualifier definitions and red-ink qualified sample report forms.

The following text discusses quality issues of concern.

TCL Volatiles by EPA 8260B

Results for analytes initially reported with the laboratory "E" flag are derived from the dilution analyses of the samples.

The matrix spikes of MC-CMT-2, MC-10C, MC-11C, and MC-SFC-3 show acceptable accuracy and precision for all analytes. The matrix spikes of PWSH-2 show all recoveries within recommended range, but nine elevated duplicate correlations (up to 46%RPD). Because the recoveries are acceptable, there is no qualification to the parent results.

Field duplicates of MW-5, MC-SFC-3, MC-CMT-2(P4), and MC-11A show acceptable correlations.

The result for trichloroethene in MC-10C is qualified as tentative in identification and estimated in value due to poor mass spectral quality:

Detected results of methylene chloride in the samples are considered external contamination due to presence in the associated field blank, and one of the trip blanks. Tentatively Identified Compounds were reported for some of the samples. Those identified as t-butyl alcohol and diethyl ether are also to be rejected from consideration as sample components due to presence in the field blank.

The detected result for acetone in PC-6C is qualified as estimated due to elevated recovery (150%) in the associated LCS.

Calibrations standard responses were within laboratory and validation guidelines, with the following exceptions, results for which are qualified as estimated, with a possible low bias, in the indicated samples:

- bromoform (20%RSD) in the samples reported in B2286 and B2288, and nine of the samples reported in B2287
- tetrachloroethene (17%RSD) and 1,2,4-trichlorobenzene (35%RSD) in twelve samples reported in B2287

Volatiles by EPA TO-15

Laboratory modifications to the method are outlined in the case narrative, and include analysis by Selective Ion Monitoring (SIM) for increased sensitivity and lower reporting limits for trichloroethene and carbon tetrachloride in the two soil gas samples. The modifications in laboratory processing do not negatively impact the reported results of the samples.

Samples Plaza-SG-9S and Plaza-ESG-3D report detections of 1,1,2-trichloroethane. However, these are misidentified responses of the highly concentrated tetrachloroethene in those samples. The retention time and mass spectra are incorrect for 1,1,2-trichloroethane, that analyte was not detected in the samples, and those results have been edited to reflect non-detection at the CRDL.

The results for the following analytes are qualified as tentative in identification and estimated in value due to poor mass spectral quality:

- 4-methyl-2-pentanone and benzene in Scriber-SV2
- chloromethane, 4-methyl-2-pentanone, and benzene in Scriber-SV

The result for 1,3,5-trimethylbenzene in Scriber-SV2 is edited to non-detection due to very poor mass spectral quality.

The results for 1,2,4-trichlorobenzene and hexachlorobutadiene in Plaza ESG-3D are qualified as estimated, and may have a low bias, as indicated by the low recoveries (61% to 68%) in the associated LCS and continuing calibration standard.

Holding times were met. Internal standard responses are within the required limits, and surrogate recoveries fall within the acceptance range.

The laboratory duplicate of Scriber SV-2 shows acceptable correlations.

The method and clean canister certification blanks show no contamination.

Calibrations standard responses were within laboratory and validation guidelines, with the exceptions of 1,2,4-trichlorobenzene and hexachlorobutadiene noted above, the former also showing erratic responses in the initial calibration (35%RSD). Results for 1,2,4-trichlorobenzene are therefore qualified as estimated in the project samples.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

Judy Harry

Att

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-1	B2286-01	8260B					
MW-2	B2286-02	8260B					
MW-3	B2286-03	8260B					
MW-4	B2286-04	8260B					
MW-5	B2286-05	8260B					
MW-6	B2286-06	8260B					
MW-7	B2286-07	8260B					
MW-X	B2286-08	8260B					
PC-7A	B2286-09	8260B					
TRIPBLANK	B2286-10	8260B					
PC-7B	B2286-11	8260B					
PC-7C	B2286-12	8260B					
MC-7A	B2286-13	8260B					
MC-7B	B2286-14	8260B					
MC-7C	B2286-15	8260B					
PC-8A	B2286-16	8260B					
PC-8B	B2286-17	8260B					
PC-8C	B2286-18	8260B					
MC-6B	B2286-19	8260B					
MC-6C	B2286-20	8260B					
MC-CMT-2 (P4)	B2286-21	8260B					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MC-3	B2287-01	8260B					
PC-5B	B2287-02	8260B					
PC-5C	B2287-03	8260B					
MC-5	B2287-04	8260B					
MC-8A	B2287-05	8260B					
MC-8B	B2287-06	8260B					
MC-8C	B2287-07	8260B					
MC-9A	B2287-08	8260B					
MC-9B	B2287-09	8260B					
MC-9C	B2287-10	8260B					
PC-4A	B2287-11	8260B					
PC-4B	B2287-12	8260B					
PC-4C	B2287-13	8260B					
PC-6A	B2287-14	8260B					
PC-6B	B2287-15	8260B					
PC-6C	B2287-16	8260B					
PC-11A	B2287-17	8260B					
PC-11B	B2287-18	8260B					
PC-2A	B2287-19	8260B					
PC-2B	B2287-20	8260B					
MC-10C	B2287-21	8260B					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
PC-2C	B2288-01	8260B					
MC-11A	B2288-02	8260B					
MC-11B	B2288-03	8260B					
MC-11C	B2288-04	8260B					
MW-XZ	B2288-07	8260B					
MC-12B	B2288-08	8260B					
MC-12C	B2288-09	8260B					
PC-1A	B2288-10	8260B					
PC-1B	B2288-11	8260B					
PC-1C	B2288-12	8260B					
PC-10B	B2288-13	8260B					
PC-10C	B2288-14	8260B					
PC-9	B2288-15	8260B					
PC-3	B2288-16	8260B					
PC-12A	B2288-17	8260B					
PC-12B	B2288-18	8260B					
PC-12C	B2288-19	8260B					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MC-SFC-3	B2331-01	8260B					
MC-SFC-X	B2331-04	8260B					
MC-SFC-4	B2331-05	8260B					
MC-SFC-2	B2331-06	8260B					
MC-SFC-1	B2331-07	8260B					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MC-CMT-2(P7)	B2333-01	8260B					
FIELDBLANK	B2333-02	8260B					
TRIPBLANK	B2333-03	8260B					
MC-CMT-2(P3)	B2333-04	8260B					
MC-CMT-2(P2)	B2333-05	8260B					
MC-CMT-X3	B2333-06	8260B					
MC-CMT-1(P2)	B2333-07	8260B					
MC-CMT-1(P3)	B2333-08	8260B					
MC-CMT-1(P4)	B2333-09	8260B					
MC-CMT-1(P5)	B2333-10	8260B					
MC-CMT-1(P6)	B2333-11	8260B					
MC-CMT-1(P7)	B2333-12	8260B					
MC-10A	B2333-13	8260B					
MC-10B	B2333-14	8260B					
PWSH-1	B2333-15	8260B					
PWSH-2	B2333-16	8260B					
TRIPBLANK	B2333-19	8260B					

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1006286

Work Order Summary

CLIENT:	Mr. Dan Lang Malcolm Pirnie 855 Route 146 Suite 210 Clifton Park, NY 12065	**BILL TO:**	Ms. Accounts Payable Malcolm Pirnie P.O. Box 1240 White Plains, NY 10602-1240
PHONE:	518-782-2100	**P.O. #**	0266380
FAX:	(518) 250-7300	**PROJECT #**	0266380 Plaza Cleaners
DATE RECEIVED:	06/11/2010	**CONTACT:**	Ausha Scott
DATE COMPLETED:	06/25/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Plaza SG-9S	Modified TO-15	6.0 "Hg	5 psi
02A	Plaza ESG-3D	Modified TO-15	5.5 "Hg	5 psi
03A	Scriber-SV	Modified TO-15	5.0 "Hg	5 psi
03B	Scriber-SV	Modified TO-15	5.0 "Hg	5 psi
04A	Scriber-SV2	Modified TO-15	3.5 "Hg	5 psi
04AA	Scriber-SV2 Lab Duplicate	Modified TO-15	3.5 "Hg	5 psi
04B	Scriber-SV2	Modified TO-15	3.5 "Hg	5 psi
04BB	Scriber-SV2 Lab Duplicate	Modified TO-15	3.5 "Hg	5 psi
05A	Lab Blank	Modified TO-15	NA	NA
05B	Lab Blank	Modified TO-15	NA	NA
05C	Lab Blank	Modified TO-15	NA	NA
05D	Lab Blank	Modified TO-15	NA	NA
06A	CCV	Modified TO-15	NA	NA
06B	CCV	Modified TO-15	NA	NA
06C	CCV	Modified TO-15	NA	NA
06D	CCV	Modified TO-15	NA	NA
07A	LCS	Modified TO-15	NA	NA

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 1006286

Work Order Summary

CLIENT:	Mr. Dan Lang Malcolm Pirnie 855 Route 146 Suite 210 Clifton Park, NY 12065	**BILL TO:**	Ms. Accounts Payable Malcolm Pirnie P.O. Box 1240 White Plains, NY 10602-1240
PHONE:	518-782-2100	**P.O. #**	0266380
FAX:	(518) 250-7300	**PROJECT #**	0266380 Plaza Cleaners
DATE RECEIVED:	06/11/2010	**CONTACT:**	Ausha Scott
DATE COMPLETED:	06/25/2010		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
07B	LCS	Modified TO-15	NA	NA
07C	LCS	Modified TO-15	NA	NA
07D	LCS	Modified TO-15	NA	NA

CERTIFIED BY: _____ DATE: 06/25/10

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # B2286

A. Number of Samples and Date of Receipt:
20 Water samples were received on 5/12/10.
3 Water samples were received on 5/15/10.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA H were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples except for Chloroethane, Methyl Acetate and isopropylbenzene.
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 82H051210W.M) for Bromoform, Chloroethane, Methyl Acetate, Carbon Tetrachloride Linear /Quadratic regression was performed for these compounds and the coef of det (r ^2) is greater than 0.99. These compound were kept in Average factor.
The Calibration File ID VH036146.D met the requirements except for Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, isopropylbenzene, Chloroethane and Methyl Acetate. These compounds were biased high and These compounds were not present in any of the samples.
The Calibration File ID VH036186.D met the requirements except for Vinyl Chloride and Chloroethane. These compounds were biased high and These compounds were not present in any of the samples.
The Tuning criteria met requirements.

Samples MW-2, MW-3, MW-5, MW-7, MW-X, PC-7A, PC-7B, MC-7A, MC-7B, MC-7C and MC-6C were diluted due to high concentrations.

E. Additional Comments:
Please use %D calculated based on AvgRF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration Curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # B2287

A. Number of Samples and Date of Receipt:
20 Water samples were received on 5/12/10.
3 Water samples were received on 5/15/10.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA H were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA I were done using GC column RTXVMS, which is 60 meters, 0.25 ID, 1.4 df, Restek Cat. #19916. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The method of analysis was 8260.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in Initial Calibration (Method 82H051210W.M) for Bromoform, Carbon Tetrachloride, Chloroethane and Methyl Acetate.
The The %RSD is greater than 15% in Initial Calibration (Method 82I051910W.M) for Dichlorodifluoromethane, Methylene Chloride and Tetrachloroethene.
The Calibration File ID VI031457.D met the requirements except for 2-Butanone and 2-Hexanone. They are biased high and samples did not have hits for these compounds.
The Tuning criteria met requirements.

E. Additional Comments:
Samples MC-3, PC-5B, PC-5C and PC-6B were diluted due to high concentrations.

Please use %D calculated based on AvgRF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration Curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature M Mildred V Reyes

Mildred V. Reyes
I am approving this document
2010.05.27 14:46:21 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # B2288

A. Number of Samples and Date of Receipt:
19 Water samples were received on 05/12/2010.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA H were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples except for Chloroethane and Chloroethane but they were not detected in Samples.
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 82H051210W.M) for Chloroethane, Methyl Acetate, Carbon Tetrachloride and Bromoform. These compounds are passing on Linear/quadratic regressions, however in this case they were left on average response factor.
The Continuing Calibration (File ID: VH036186.D Method 82H051210W.M) met the requirements except for Vinyl chloride and Chloroethane but they were not detected in Samples.
The Continuing Calibration (File ID: VH036316.D Method 82H051210W.M) met the requirements except for 1,2-Dibromoethane but it was not detected in Samples.

E. Additional Comments:
Samples MC-12B and MC-12C were diluted due to high concentrations.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

Mildred V. Reyes
I am approving this document
2010.05.25 13:18:37 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # B2331

A. Number of Samples and Date of Receipt:
7 Water samples were received on 05/15/2010.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA G were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for MC-SFC-3MS and MC-SFC-3MSD.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for cis-1,3-Dichloropropene.
The MSD recoveries met the acceptable requirements except for Acetone.
The RPD for (B2331-03MSD) recoveries met criteria except for Acetone.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The %RSD is greater than 15% in the Initial Calibration (Method 82E051810W.M) for Dichlorodifluoromethane. This compound is passing on Linear regressions, however in this case it was left on average response factor.
The Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

Mildred V. Reyes
I am approving this document
2010.05.26 14:40:58 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # B2333

A. Number of Samples and Date of Receipt:
14 Water samples were received on 05/15/2010.
5 Water samples were received on 05/21/2010.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA G were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD for (B2333-18MSD) recoveries met criteria except for 1,1-Dichloroethene,2-Butanone,Acetone, Chloroform,Methyl Acetate, Methyl tert-butyl Ether, Methylene Chloride,trans-1,2-Dichloroethene and Vinyl chloride.
The Blank Spike met requirements for all samples.
The %RSD is greater than 15% in the Initial Calibration (Method 82G051810W.M) for Dichlorodifluoromethane. This compound is passing on linear regressions, however in this case it was left on average response factor.
The Continuing Calibration (File ID: VG027947.D Method 82G051810W.M) met the requirements except for Acetone but it was not detected in Samples.
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

Mildred V. Reyes
I am approving this document
2010.06.03 13:47:25 -04'00'

LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
Malcolm Pirnie
Workorder# 1006286

Three 6 Liter Summa Canister and one 6 Liter Summa Canister (SIM Certified) samples were received on June 11, 2010. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	For Full Scan: 30% RSD with 4 compounds allowed out to < 40% RSD For SIM: Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	For Full Scan: </= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

Samples Plaza SG-9S and Plaza ESG-3D were transferred from SIM/Low Level analysis to full scan TO-15 due to high levels of target compounds.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

QUALIFIED SAMPLE RESULTS FORMS

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

August 5, 2011

Elias Moskal
ARCADIS Malcolm Pirnie, Inc
855 Route 146 Suite 210
Clifton Park, NY 12065

RE Plaza Cleaners site
Data Usability Summary Report (DUSR)
Chemtech SDG Nos. C2318, C2352, C2392, C2425, C2435, and C2449

Dear Mr. Moskal:

Review has been completed for the data packages generated by Chemtech that pertain to samples collected between 05/19/11 and 05/31/11 at the Plaza Cleaners site. Eighteen aqueous samples and a field duplicate were processed for volatiles by USEPA SW846 method 8260B.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is primarily generated from review of the summary form information, with full review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, per the USEPA Region 2 validation SOPs and the USEPA CLP National Functional Guidelines for Data Review, with consideration of the requirements of the specific analytical methodologies. The following items were reviewed:

* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Preparation Blanks
* Laboratory Control Samples (LCSs)
* Instrumental Tunes
* Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for this level of review.

In summary, results for the samples are usable as reported, or usable with edit or minor qualification.

Copies of the laboratory sample identification summaries and case narratives are attached to this text, and should be reviewed in conjunction with this report. Also included with this report are validation qualifier definitions and red-ink qualified sample report forms.

The following text discusses quality issues of concern.

Chain-of-Custody/Sample Receipt

The relinquish date was not present on the custody for samples collected 05/20/11. The signature and time were present on that entry.

Samples PC-B-8(100') and PC-B-8(145') formed very small bubbles after sample collection. Results for these samples are therefore qualified as estimated in value, with a possible low bias.

A more complete copy of the chain-of-custody for samples reported in SDG C2435 was provided by the laboratory upon request.

TCL Volatiles by EPA 8260B

Results for analytes initially reported with the laboratory "E" flag are derived from the dilution analyses of the samples.

Due to very poor spectral quality, the reported detections of trichloroethene in PC-B-06(50) and PC-B-07(100) are to be edited to reflect non-detection at either the analyte reporting limit, or the originally reported concentration, whichever is greater.

The matrix spikes of PC-B-06(100) show acceptable accuracy and precision for all analytes.

Elevated duplicate correlations observed with one set of duplicate LCS analyses do not affected sample reported results. All LCS recoveries fall within required limits.

The field duplicate of PC-B-008 shows acceptable correlations.

With the exception of naphthalene, the Tentatively Identified Compounds (TICs) that are reported with a CAS number should have also been flagged as "N" by the laboratory, indicating tentative identification.

The TICs reported in PC-B-11(120) and PC-B-11(90) are also present in the associated trip blank and are to be disregarded as sample components. The identification of this TIC should have been "Unknown Conjugated Alkane" rather than a specific compound, since the spectral match was not sufficient.

The first TIC in the trip blank reported in SDG C2449 is methylene chloridc (also reported as a target analyte in that blank).

PC-B-07(155) was reanalyzed to confirm detected results. The initial analysis is to be used.

Calibrations standard responses are within laboratory and validation guidelines,with the exception of that for bromoform (24%D) in the standard associated with the detection of PC-B-09(145). That detected value is qualified as estimated, with a possible high bias.

Surrogate recoveries and internal standard responses associated with the reported sample results are acceptable. Blanks show no contamination of target analytes also detected in associated samples.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

Att

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVES

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C2318

Project ID : Plaza Cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C2318-01	PC-B-06(145)
C2318-02	TB-01-051911
C2318-03	PC-B-06(100)
C2318-04	PC-B-06(50)
C2318-05	FB-01-051911

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.06 14:35:58 -04'00'

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C2352

Project ID : Plaza Cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C2352-01	PC-B-07(155)
C2352-02	TB-02-052011
C2352-03	PC-B-07(100)
C2352-04	PC-B-07(60)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.03 15:18:41 -04'00'

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C2392

Project ID : Plaza Cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C2392-01	TB-03-052511
C2392-02	PC-B-08(140)NP
C2392-03	PC-B-08(100)NP
C2392-04	PC-B-08
C2392-05	PC-B-DUP01

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V. Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.09 15:19:55 -04'00'

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C2425

Project ID : Plaza Cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C2425-01	TB-04-052611
C2425-02	PC-B-09(145)
C2425-03	PC-B-09(100)
C2425-04	PC-B-09(60)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes Mildred V. Reyes, QA/QC Supervisor 2011.06.10 14:34:24 -04'00'

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C2435

Project ID : Plaza Cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C2435-01	TB-05-052711
C2435-02	PC-B-10(135)
C2435-03	PC-B-10(100)
C2435-04	PC-B-10(60)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.09 11:10:10 -04'00'

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C2449

Project ID : Plaza Cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C2449-01	TB-06-053111
C2449-02	PC-B-11(120)
C2449-03	PC-B-11(90)
C2449-04	PC-B-11(60)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.16 07:54:00 -04'00'

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # C2318
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
5 Water samples were received on 05/20/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

CHEMTECH

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.06 14:35:47 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # C2352
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Water samples were received on 05/21/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_G were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for PC-B-07(155)RE [4-Bromofluorobenzene 134%].
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {C2289-02MS} with File ID: VH041025.D recoveries met the requirements for all compounds except for Trichloroethene[396%] .
The MSD {C2289-03MSD} with File ID: VH041026.D recoveries met the acceptable requirements except for Trichloroethene[376%].
The RPD for {C2289-03MSD} with File ID: VH041026.D recoveries met criteria except for 2-Butanone[25%] .
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration File ID: 82F051711W.M met the requirements except for Bromomethane,Chloroethane,Methylene Chloride,trans-1,2-Dichloroethene,4-Methyl-2-Pentanone and m,p-Xylenes. The Initial Calibration File ID: VH[illegible]

met the requirements except for Bromomethane,Acetone,Methylene Chloride,2-Butanone and 2-Hexanone .The Initial Calibration File ID:82H050911.W.M met the requirements except for Dichlorodifluoromethane,Bromomethane,Acetone and Methylene Chloride .
The Continuous Calibration File ID VF026806.D met the requirements except for Bromomethane .The Continuous Calibration File ID VG035092.D.D met the requirements except for Acetone,Methyl Acetate and 4-Methyl-2-Pentanone .The Continuous Calibration File ID VH041020.D met the requirements except for 1,2-Dichloroethane-d4 .
The Tuning criteria met requirements.

E. Additional Comments:

Sample # C2352-01(VG035107.D) has hit of Acetone, it was rerun for confirmation.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__ Mildred V. Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.03 15:18:30 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # C2392
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
5 Water samples were received on 05/26/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_G were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration File ID VG035109.D met the requirements except for Acetone, Methylene Chloride and 2-Butanone. These compounds were bias high and are not found on the samples. No further corrective action was taken.
The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

CHEMTECH

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V. Reyes, QA/QC Supervisor
2011.06.09 15:19:22 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # C2425

A. Number of Samples and Date of Receipt:
4 Water samples were received on 5/27/11.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD recoveries met criteria except for Methylene Chloride.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V. Reyes, QA/QC Supervisor
2011.06.10 14:34:11 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # C2435
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Water samples were received on 05/28/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD for {BSH0606W2} with File ID: VH041251.D recoveries met criteria except for 1,1,1-Trichloroethane[24%], 1,1-Dichloroethane[22%], Bromomethane[29%], Carbon disulfide[24%], Chloroform[29%], Chloromethane[24%] and trans-1,2-Dichloroethene[24%] .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V. Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.09 11:09:29 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: Plaza Cleaners
Project # N/A
Chemtech Project # C2449
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Water samples were received on 06/01/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B/5030.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD for {BSH0606W2} with File ID: VH041251.D recoveries met criteria except for 1,1,1-Trichloroethane[24%], 1,1-Dichloroethane[22%], Bromomethane[29%], Carbon disulfide[24%], Chloroform[29%], Chloromethane[24%] and trans-1,2-Dichloroethene[24%] .
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Lincar Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

CHEMTECH

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data containcd in this hard copy data package.

Signature Mildred V. Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.16 07:53:50 -04'00'

QUALIFIED SAMPLE REPORT FORMS

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax: 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/19/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	PC-B-06(145)	SDG No.:	C2318
Lab Sample ID:	C2318-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026731.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	9.8		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/19/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	PC-B-06(145)	SDG No.:	C2318
Lab Sample ID:	C2318-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026731.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	0.92	J	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.2		66 - 150	91%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		76 - 130	104%	SPK: 50
2037-26-5	Toluene-d8	44.5		78 - 121	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		70 - 131	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	2007410	3.18			
540-36-3	1,4-Difluorobenzene	2971900	3.79			
3114-55-4	Chlorobenzene-d5	2567110	7.13			
3855-82-1	1,4-Dichlorobenzene-d4	1391620	9.01			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/12/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	TB-01-051911	SDG No.:	C2318
Lab Sample ID:	C2318-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026727.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/12/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	TB-01-051911	SDG No.:	C2318
Lab Sample ID:	C2318-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026727.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	35.9		66 - 150	72%	SPK: 50
1868-53-7	Dibromofluoromethane	40.2		76 - 130	80%	SPK: 50
2037-26-5	Toluene-d8	39.3		78 - 121	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		70 - 131	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	2054880	3.19			
540-36-3	1,4-Difluorobenzene	3091410	3.79			
3114-55-4	Chlorobenzene-d5	2683010	7.13			
3855-82-1	1,4-Dichlorobenzene-d4	1435140	9.01			

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/19/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	PC-B-06(100)	SDG No.:	C2318
Lab Sample ID:	C2318-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026729.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.76	J	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/19/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	PC-B-06(100)	SDG No.:	C2318
Lab Sample ID:	C2318-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026729.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.4		66 - 150	85%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		76 - 130	98%	SPK: 50
2037-26-5	Toluene-d8	42.6		78 - 121	85%	SPK: 50
460-00-4	4-Bromofluorobenzene	53		70 - 131	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1967680	3.19			
540-36-3	1,4-Difluorobenzene	2949240	3.79			
3114-55-4	Chlorobenzene-d5	2618100	7.13			
3855-82-1	1,4-Dichlorobenzene-d4	1389000	9.01			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/19/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	PC-B-06(50)	SDG No.:	C2318
Lab Sample ID:	C2318-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026730.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	9.6		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1.2	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/19/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	PC-B-06(50)	SDG No.:	C2318
Lab Sample ID:	C2318-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026730.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		66 - 150	87%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		76 - 130	96%	SPK: 50
2037-26-5	Toluene-d8	39.7		78 - 121	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		70 - 131	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1872360	3.18			
540-36-3	1,4-Difluorobenzene	2803860	3.79			
3114-55-4	Chlorobenzene-d5	2415360	7.13			
3855-82-1	1,4-Dichlorobenzene-d4	1284560	9.01			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/19/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	FB-01-051911	SDG No.:	C2318
Lab Sample ID:	C2318-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026726.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	3.1	J	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/19/11
Project:	Plaza Cleaners	Date Received:	05/20/11
Client Sample ID:	FB-01-051911	SDG No.:	C2318
Lab Sample ID:	C2318-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026726.D	1		05/23/11	VF052311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39		66 - 150	78%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		76 - 130	90%	SPK: 50
2037-26-5	Toluene-d8	43		78 - 121	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 - 131	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1765710	3.18			
540-36-3	1,4-Difluorobenzene	2635810	3.78			
3114-55-4	Chlorobenzene-d5	2307020	7.13			
3855-82-1	1,4-Dichlorobenzene-d4	1181520	9.01			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/21/11
Client Sample ID:	PC-B-07(155)	SDG No.:	C2352
Lab Sample ID:	C2352-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035107.D	1		05/26/11	VG052511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	80		0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	84		1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/21/11
Client Sample ID:	PC-B-07(155)	SDG No.:	C2352
Lab Sample ID:	C2352-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035107.D	1		05/26/11	VG052511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	0.54	J	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	0.4	J	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1.3		0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		66 - 150	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		76 - 130	104%	SPK: 50
2037-26-5	Toluene-d8	42.8		78 - 121	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		70 - 131	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1402970	3.88			
540-36-3	1,4-Difluorobenzene	2296460	4.69			
3114-55-4	Chlorobenzene-d5	1920980	9.65			
3855-82-1	1,4-Dichlorobenzene-d4	795271	13.36			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/12/11
Project:	Plaza Cleaners	Date Received:	05/21/11
Client Sample ID:	TB-02-052011	SDG No.:	C2352
Lab Sample ID:	C2352-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041030.D	1		05/24/11	VH052411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/12/11
Project:	Plaza Cleaners	Date Received:	05/21/11
Client Sample ID:	TB-02-052011	SDG No.:	C2352
Lab Sample ID:	C2352-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041030.D	1		05/24/11	VH052411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.1		66 - 150	80%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		76 - 130	94%	SPK: 50
2037-26-5	Toluene-d8	44.8		78 - 121	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.1		70 - 131	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	678634	4.09			
540-36-3	1,4-Difluorobenzene	1248550	4.6			
3114-55-4	Chlorobenzene-d5	1056020	7.95			
3855-82-1	1,4-Dichlorobenzene-d4	430021	10.44			
TENTATIVE IDENTIFIED COMPOUNDS						
75-65-0	Tert butyl alcohol	4.0	NJ		2.52	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/21/11
Client Sample ID:	PC-B-07(100)	SDG No.:	C2352
Lab Sample ID:	C2352-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026818.D	1		05/26/11	VF052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1.7		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5.3		1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.54	J	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	~~0.69~~ 1	~~J~~ U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnic, Inc.	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/21/11
Client Sample ID:	PC-B-07(100)	SDG No.:	C2352
Lab Sample ID:	C2352-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026818.D	1		05/26/11	VF052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	28		0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		66 - 150	99%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		76 - 130	109%	SPK: 50
2037-26-5	Toluene-d8	46.1		78 - 121	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.9		70 - 131	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1529070	3.18			
540-36-3	1,4-Difluorobenzene	2418680	3.79			
3114-55-4	Chlorobenzene-d5	2140910	7.13			
3855-82-1	1,4-Dichlorobenzene-d4	1220360	9.01			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/21/11
Client Sample ID:	PC-B-07(60)	SDG No.:	C2352
Lab Sample ID:	C2352-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026819.D	1		05/26/11	VF052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	3.2	J	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.55	J	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	4.4	J	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/21/11
Client Sample ID:	PC-B-07(60)	SDG No.:	C2352
Lab Sample ID:	C2352-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026819.D	1		05/26/11	VF052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	0.61	J	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		66 - 150	99%	SPK: 50
1868-53-7	Dibromofluoromethane	56		76 - 130	112%	SPK: 50
2037-26-5	Toluene-d8	45.5		78 - 121	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		70 - 131	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1503500	3.19			
540-36-3	1,4-Difluorobenzene	2349610	3.79			
3114-55-4	Chlorobenzene-d5	2048970	7.13			
3855-82-1	1,4-Dichlorobenzene-d4	1155480	9.01			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	TB-03-052511	SDG No.:	C2392
Lab Sample ID:	C2392-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035116.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	TB-03-052511	SDG No.:	C2392
Lab Sample ID:	C2392-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035116.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		66 - 150	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		76 - 130	101%	SPK: 50
2037-26-5	Toluene-d8	47.3		78 - 121	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 - 131	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1411830	3.89			
540-36-3	1,4-Difluorobenzene	2299410	4.69			
3114-55-4	Chlorobenzene-d5	1934010	9.65			
3855-82-1	1,4-Dichlorobenzene-d4	788659	13.36			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	7.0	J		16.9	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	PC-B-08(140)NP	SDG No.:	C2392
Lab Sample ID:	C2392-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035121.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U UJ	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U J	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1.8	J	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U UJ	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	3.3	J	0.35	1	ug/L
67-66-3	Chloroform	1	U UJ	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	2.4	J	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U UJ	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1.5	J	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U UJ	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U UJ	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	PC-B-08(140)NP	SDG No.:	C2392
Lab Sample ID:	C2392-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035121.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U UJ	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	0.95	J J	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U UJ	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		66 - 150	102%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		76 - 130	89%	SPK: 50
2037-26-5	Toluene-d8	47.3		78 - 121	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 - 131	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1444700	3.88			
540-36-3	1,4-Difluorobenzene	2491440	4.68			
3114-55-4	Chlorobenzene-d5	2042950	9.66			
3855-82-1	1,4-Dichlorobenzene-d4	804650	13.36			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	PC-B-08(100)NP	SDG No.:	C2392
Lab Sample ID:	C2392-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035119.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U UJ	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	6.3	J	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U UJ	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	9	J	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U UJ	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	7.8	J	0.35	1	ug/L
67-66-3	Chloroform	1	U UJ	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	5.1	J	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U UJ	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	0.56	J J	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U UJ	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U UJ	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	PC-B-08(100)NP	SDG No.:	C2392
Lab Sample ID:	C2392-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035119.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U UJ	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	0.66	J J	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U UJ	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		66 - 150	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		76 - 130	101%	SPK: 50
2037-26-5	Toluene-d8	49.1		78 - 121	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		70 - 131	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1416830	3.88			
540-36-3	1,4-Difluorobenzene	2310200	4.68			
3114-55-4	Chlorobenzene-d5	1941530	9.66			
3855-82-1	1,4-Dichlorobenzene-d4	772747	13.36			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	0.72	J		16.9	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	PC-B-08	SDG No.:	c2392
Lab Sample ID:	C2392-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035117.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichlorocthene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.88	J	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	PC-B-08	SDG No.:	c2392
Lab Sample ID:	C2392-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035117.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	20		0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		66 - 150	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		76 - 130	102%	SPK: 50
2037-26-5	Toluene-d8	43.3		78 - 121	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		70 - 131	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1476150	3.88			
540-36-3	1,4-Difluorobenzene	2371550	4.69			
3114-55-4	Chlorobenzene-d5	1983760	9.66			
3855-82-1	1,4-Dichlorobenzene-d4	773574	13.36			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	1.8	J		16.9	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	PC-B-DUP01	SDG No.:	C2392
Lab Sample ID:	C2392-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035118.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.87	J	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/26/11
Client Sample ID:	PC-B-DUP01	SDG No.:	C2392
Lab Sample ID:	C2392-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG035118.D	1		05/26/11	VG052611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	21		0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		66 - 150	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		76 - 130	104%	SPK: 50
2037-26-5	Toluene-d8	45.4		78 - 121	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 - 131	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1431520	3.89			
540-36-3	1,4-Difluorobenzene	2324240	4.69			
3114-55-4	Chlorobenzene-d5	1965080	9.66			
3855-82-1	1,4-Dichlorobenzene-d4	828913	13.36			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	1.1	J		16.9	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	TB-04-052611	SDG No.:	C2425
Lab Sample ID:	C2425-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041175.D	1		06/02/11	VH060211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/20/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	TB-04-052611	SDG No.:	C2425
Lab Sample ID:	C2425-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041175.D	1		06/02/11	VH060211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.3		66 - 150	77%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		76 - 130	91%	SPK: 50
2037-26-5	Toluene-d8	44.8		78 - 121	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	43		70 - 131	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1029020	4.07			
540-36-3	1,4-Difluorobenzene	2080890	4.58			
3114-55-4	Chlorobenzene-d5	1685990	7.92			
3855-82-1	1,4-Dichlorobenzene-d4	781702	10.42			
TENTATIVE IDENTIFIED COMPOUNDS						
000124-18-5	Decane	50	N J		9.56	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/26/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	PC-B-09(145)	SDG No.:	C2425
Lab Sample ID:	C2425-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041204.D	1		06/03/11	VH060311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	77		0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	12		1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/26/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	PC-B-09(145)	SDG No.:	C2425
Lab Sample ID:	C2425-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041204.D	1		06/03/11	VH060311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	0.96	J	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	2.9	J	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.2		66 - 150	84%	SPK: 50
1868-53-7	Dibromofluoromethane	43.6		76 - 130	87%	SPK: 50
2037-26-5	Toluene-d8	44.5		78 - 121	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 - 131	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	794643	4.08			
540-36-3	1,4-Difluorobenzene	1688320	4.59			
3114-55-4	Chlorobenzene-d5	1387080	7.93			
3855-82-1	1,4-Dichlorobenzene-d4	638083	10.43			
TENTATIVE IDENTIFIED COMPOUNDS						
75-65-0	Tert butyl alcohol	2.2	NJ		2.51	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/26/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	PC-B-09(145)	SDG No.:	C2425
Lab Sample ID:	C2425-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041204.D	1		06/03/11	VH060311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
002847-72-5	Decane, 4-methyl-	50	NJ		9.89	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* – Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/26/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	PC-B-09(100)	SDG No.:	C2425
Lab Sample ID:	C2425-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041205.D	1		06/03/11	VH060311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	7.9		0.5	5	ug/L
75-15-0	Carbon Disulfide	0.65	J	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	2		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1.8		0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	3.1	J	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	16		0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	14		0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/26/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	PC-B-09(100)	SDG No.:	C2425
Lab Sample ID:	C2425-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041205.D	1		06/03/11	VH060311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichlorocthanc	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.2		66 - 150	86%	SPK: 50
1868-53-7	Dibromofluoromethane	46.2		76 - 130	92%	SPK: 50
2037-26-5	Toluene-d8	46.7		78 - 121	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		70 - 131	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	775133	4.07			
540-36-3	1,4-Difluorobenzene	1669590	4.59			
3114-55-4	Chlorobenzene-d5	1342200	7.93			
3855-82-1	1,4-Dichlorobenzene-d4	588830	10.43			
TENTATIVE IDENTIFIED COMPOUNDS						
75-65-0	Tert butyl alcohol	1.5	NJ		2.5	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/26/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	PC-B-09(100)	SDG No.:	C2425
Lab Sample ID:	C2425-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041205.D	1		06/03/11	VH060311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007659-86-1	2-Ethylhexyl mercaptoacetate	50	NJ		9.89	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/26/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	PC-B-09(60)	SDG No.:	C2425
Lab Sample ID:	C2425-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041206.D	1		06/03/11	VH060311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1.4		0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	1.4	J	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1.7		0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	8.1		0.48	1	ug/L
79-01-6	Trichloroethene	11		0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/26/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	PC-B-09(60)	SDG No.:	C2425
Lab Sample ID:	C2425-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041206.D	1		06/03/11	VH060311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	~~190~~ 160 E		0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.1		66 - 150	92%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		76 - 130	107%	SPK: 50
2037-26-5	Toluene-d8	54.2		78 - 121	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		70 - 131	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	865201	4.07			
540-36-3	1,4-Difluorobenzene	1743800	4.59			
3114-55-4	Chlorobenzene-d5	1427290	7.93			
3855-82-1	1,4-Dichlorobenzene-d4	664048	10.43			
TENTATIVE IDENTIFIED COMPOUNDS						
75-65-0	Tert butyl alcohol	1.9	NJ		2.51	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/26/11
Project:	Plaza Cleaners	Date Received:	05/27/11
Client Sample ID:	PC-B-09(60)	SDG No.:	C2425
Lab Sample ID:	C2425-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041206.D	1		06/03/11	VH060311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-20-3	Diisopropyl ether	2.2	J		2.71	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/28/11
Client Sample ID:	TB-05-052711	SDG No.:	C2435
Lab Sample ID:	C2435-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041255.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	05/28/11
Client Sample ID:	TB-05-052711	SDG No.:	C2435
Lab Sample ID:	C2435-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VI1041255.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.5		66 - 150	77%	SPK: 50
1868-53-7	Dibromofluoromethane	43.6		76 - 130	87%	SPK: 50
2037-26-5	Toluene-d8	46.1		78 - 121	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		70 - 131	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	901183	4.08			
540-36-3	1,4-Difluorobenzene	1699200	4.59			
3114-55-4	Chlorobenzene-d5	1338110	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	618761	10.43			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/27/11
Project:	Plaza Cleaners	Date Received:	05/28/11
Client Sample ID:	PC-B-10(135)	SDG No.:	C2435
Lab Sample ID:	C2435-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041262.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/27/11
Project:	Plaza Cleaners	Date Received:	05/28/11
Client Sample ID:	PC-B-10(135)	SDG No.:	C2435
Lab Sample ID:	C2435-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041262.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	0.61	J	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		66 - 150	91%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		76 - 130	95%	SPK: 50
2037-26-5	Toluene-d8	49		78 - 121	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		70 - 131	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	654682	4.08			
540-36-3	1,4-Difluorobenzene	1436450	4.59			
3114-55-4	Chlorobenzene-d5	1163400	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	533600	10.43			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/27/11
Project:	Plaza Cleaners	Date Received:	05/28/11
Client Sample ID:	PC-B-10(100)	SDG No.:	C2435
Lab Sample ID:	C2435-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041263.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	0.57	J	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/27/11
Project:	Plaza Cleaners	Date Received:	05/28/11
Client Sample ID:	PC-B-10(100)	SDG No.:	C2435
Lab Sample ID:	C2435-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041263.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.3		66 - 150	89%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		76 - 130	93%	SPK: 50
2037-26-5	Toluene-d8	48		78 - 121	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		70 - 131	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	750978	4.08			
540-36-3	1,4-Difluorobenzene	1629840	4.6			
3114-55-4	Chlorobenzene-d5	1362200	7.93			
3855-82-1	1,4-Dichlorobenzene-d4	587431	10.43			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/27/11
Project:	Plaza Cleaners	Date Received:	05/28/11
Client Sample ID:	PC-B-10(60)	SDG No.:	C2435
Lab Sample ID:	C2435-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041264.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/27/11
Project:	Plaza Cleaners	Date Received:	05/28/11
Client Sample ID:	PC-B-10(60)	SDG No.:	C2435
Lab Sample ID:	C2435-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041264.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichlorocthane-d4	38.7		66 - 150	77%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		76 - 130	89%	SPK: 50
2037-26-5	Toluene-d8	46.9		78 - 121	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.3		70 - 131	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	984602	4.08			
540-36-3	1,4-Difluorobenzene	1854910	4.59			
3114-55-4	Chlorobenzene-d5	1507620	7.93			
3855-82-1	1,4-Dichlorobenzene-d4	672711	10.43			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	06/01/11
Client Sample ID:	TB-06-053111	SDG No.:	C2449
Lab Sample ID:	C2449-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041306.D	1		06/07/11	VH060711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	14		0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	06/01/11
Client Sample ID:	TB-06-053111	SDG No.:	C2449
Lab Sample ID:	C2449-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041306.D	1		06/07/11	VH060711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		66 - 150	94%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		76 - 130	107%	SPK: 50
2037-26-5	Toluene-d8	54.4		78 - 121	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 - 131	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	673957	4.09			
540-36-3	1,4-Difluorobenzene	1382140	4.6			
3114-55-4	Chlorobenzene-d5	1134880	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	502292	10.43			
TENTATIVE IDENTIFIED COMPOUNDS						
60-29-7	Diethyl Ether	1.1	NJ		1.7	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/25/11
Project:	Plaza Cleaners	Date Received:	06/01/11
Client Sample ID:	TB-06-053111	SDG No.:	C2449
Lab Sample ID:	C2449-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041306.D	1		06/07/11	VH060711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
	unknown2.20	6.0	J		2.2	ug/L
007154-80-5	Heptane, 3,3,5-trimethyl-	50	NJ		9.9	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/31/11
Project:	Plaza Cleaners	Date Received:	06/01/11
Client Sample ID:	PC-B-11(120)	SDG No.:	C2449
Lab Sample ID:	C2449-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041259.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	0.63	J	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/31/11
Project:	Plaza Cleaners	Date Received:	06/01/11
Client Sample ID:	PC-B-11(120)	SDG No.:	C2449
Lab Sample ID:	C2449-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol.	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041259.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.6		66 - 150	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		76 - 130	99%	SPK: 50
2037-26-5	Toluene-d8	50.2		78 - 121	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50		70 - 131	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	589906	4.08			
540-36-3	1,4-Difluorobenzene	1219830	4.59			
3114-55-4	Chlorobenzene-d5	983482	7.93			
3855-82-1	1,4-Dichlorobenzene-d4	440469	10.43			
TENTATIVE IDENTIFIED COMPOUNDS						
007154-80-5	Heptane, 3,3,5-trimethyl-	50	NJ		9.89	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/31/11
Project:	Plaza Cleaners	Date Received:	06/01/11
Client Sample ID:	PC-B-11(90)	SDG No.:	C2449
Lab Sample ID:	C2449-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041260.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/31/11
Project:	Plaza Cleaners	Date Received:	06/01/11
Client Sample ID:	PC-B-11(90)	SDG No.:	C2449
Lab Sample ID:	C2449-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041260.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	0.62	J	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.4		66 - 150	81%	SPK: 50
1868-53-7	Dibromofluoromethane	43.1		76 - 130	86%	SPK: 50
2037-26-5	Toluene-d8	45.2		78 - 121	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		70 - 131	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	697145	4.08			
540-36-3	1,4-Difluorobenzene	1490120	4.59			
3114-55-4	Chlorobenzene-d5	1226670	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	536949	10.43			
TENTATIVE IDENTIFIED COMPOUNDS						
001189-99-7	Heptane, 2,5,5-trimethyl-	50	NJ		9.89	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/31/11
Project:	Plaza Cleaners	Date Received:	06/01/11
Client Sample ID:	PC-B-11(60)	SDG No.:	C2449
Lab Sample ID:	C2449-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID: 0.18	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041261.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1		0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	7.1		0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	05/31/11
Project:	Plaza Cleaners	Date Received:	06/01/11
Client Sample ID:	PC-B-11(60)	SDG No.:	C2449
Lab Sample ID:	C2449-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041261.D	1		06/06/11	VH060611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	36		0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.1		66 - 150	80%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		76 - 130	87%	SPK: 50
2037-26-5	Toluene-d8	45		78 - 121	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		70 - 131	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	690406	4.08			
540-36-3	1,4-Difluorobenzene	1404770	4.59			
3114-55-4	Chlorobenzene-d5	1100790	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	505080	10.43			

Appendix C

Geophysical Survey Report

Hager Richter Geoscience, Inc

HAGER-RICHTER
GEOSCIENCE, INC.

GEOPHYSICAL SURVEY
PLAZA CLEANERS SITE (#1-30-108)
966 PORT WASHINGTON BOULEVARD
PORT WASHINGTON, NEW YORK

Prepared for:

Malcolm Pirnie, Inc.
855 Route 146, Suite 210
Clifton Park, New York 12065

Prepared by:

Hager-Richter Geoscience, Inc.
846 Main Street
Fords, New Jersey 08863

File 08JCC42
November, 2009

HAGER-RICHTER
GEOSCIENCE, INC.

CONSULTANTS IN GEOLOGY AND GEOPHYSICS
846 MAIN STREET
FORDS, NEW JERSEY
TELEPHONE (732) 661-0555
FAX (732) 661-0123

November 9, 2009
File 08JCC42

Daniel C. Lang, PHG
Malcolm Pirnie, Inc.
855 Route 146, Suite 210
Clifton Park, New York 12065

T: 518-250-7358
F: 518-250-7301
Email: DLang@Pirnie.com

RE: Geophysical Survey
Plaza Cleaners Site (#1-30-108)
966 Port Washington Boulevard
Port Washington, New York

Dear Mr. Lang:

In this report, we summarize the results of a geophysical survey conducted on October 29, 2009 by Hager-Richter Geoscience, Inc. (H-R) at the above referenced site for Malcolm Pirnie, Inc. (Pirnie). The scope of the survey and area of interest were specified by Pirnie. The geophysical survey is part of an environmental investigation by Pirnie, performed under New York State Department of Environmental Conservation (NYSDEC) Standby Contracts No D004439 for Investigation/Design Engineering Services, and No. D004443 for Design/Construction Engineering Services.

INTRODUCTION

The Plaza Cleaners Site (#1-30-108) is an active dry cleaner facility located at 966 Port Washington Boulevard, in Port Washington, New York. Figure 1 shows the general location of the site. Pirnie specified the area of interest (AOI) as the accessible exterior portions of the site, approximately 110 feet by 100 feet in size. The AOI is an asphalt-paved parking lot for the dry cleaner facility. A concrete sidewalk was also present along the perimeter of the north and east sides of the AOI.

Pirnie was interested in determining whether underground storage tanks (USTs) are present and in locating subsurface utilities within the accessible portions of the AOI. At the time of the survey, no UST fill port or vent pipe was visible.

OBJECTIVES

The objectives of the geophysical survey were to detect, and if detected, to locate possible USTs and subsurface utilities in the accessible exterior portions of the AOI.

THE SURVEY

Brooks MacFarquhar and Harrison Newman of Hager-Richter conducted the field operations on October 29, 2009. The project was coordinated with Mr. Ely Moskal of Pirnie. Mr Dwight Symonds, also of Pirnie was present in the field and specified the AOI.

The geophysical survey was conducted using three complementary geophysical methods: time domain electromagnetic induction (EM61), ground penetrating radar (GPR), and precision utility location (PUL). The EM61 data were acquired at approximately 8-inch intervals along lines spaced 5 feet apart in the accessible portions of the area of interest. The EM survey detects and outlines areas containing buried metal. However, the EM method cannot provide information on the type of objects causing EM anomalies. In order to aid in the identification of the objects, GPR data were acquired in two mutually perpendicular directions and spaced no more than 5 feet apart across the accessible portions of the AOI. The GPR method is useful for detecting and identifying both metallic and non-metallic subsurface objects. The GPR system was used with a 250 MHz antenna and a 90 ns[1] time window. A PUL survey was conducted to aid in detecting possible subsurface utilities. No UST vent pipe and fill port were visible at the time of the survey. At the time of the survey, a bulldozer was present in the northwest corner of the building and limited severely access to that portion of the AOI.

EQUIPMENT

EM61. For the EM61 survey, we used a Geonics EM61-MK2 time domain electromagnetic induction metal detector. The EM61 is a time-domain electromagnetic induction type instrument designed specifically for detecting buried metal objects. An air-cored 1-meter by ½-meter transmitter coil generates a pulsed primary magnetic field in the earth, thereby inducing eddy currents in nearby metal objects. The decay of the eddy current produces a secondary magnetic field that is sensed by two receiver coils, one coincident with the transmitter and one positioned 40 cm above the main coil. By measuring the secondary magnetic field after the current in the ground has dissipated but before the current in metal objects has dissipated, the instrument responds only to the secondary magnetic field produced by metal objects. Four channels of secondary response are measured in mV and are recorded on a digital data logger. The system is generally operated by pushing the coils as a wagon with an odometer mounted on the axle to trigger the data logger automatically at approximately 8-inch intervals.

GPR. The GPR survey was conducted using a Sensors & Software Smart Cart Noggin Plus digital subsurface interface radar system. The GPR unit includes a survey wheel, which

[1] ns, abbreviation for nanosecond, 1/1,000,000,000 second. Light and the GPR signal require about 1 ns to travel 1 ft in air. The GPR signal requires about 3.5 ns to travel 1 ft in unsaturated sandy soil.

provides data at a uniform horizontal scale, increasing the precision of locating subsurface objects over that of units without the survey wheel. The system was used with a 250 MHz antenna and a 90 ns[1] time window.

GPR uses a high-frequency electromagnetic pulse (referred to herein as “radar signal”) transmitted from a radar antenna to probe the subsurface. The transmitted radar signals are reflected from subsurface interfaces of materials with contrasting electrical properties. The travel times of the radar signal can be converted to *approximate* depth below the surface by correlation with targets of known depths, including stratigraphic horizons, pipes, cables, and other utilities, or by using handbook values of velocities for the materials in the subsurface. The acquisition of GPR data was monitored in the field on a graphic recorder and the real time images were immediately available for field use. The GPR data were also recorded digitally for subsequent processing. Interpretation of the records is based on the nature and intensity of the reflected signals and on the resulting patterns.

PUL. The PUL survey was conducted using a precision electromagnetic pipe and cable locator, Radiodetection RD4000 series. The RD4000 series consists of separate transmitter and receiver. The system can be used in "passive" and "active" modes to locate buried pipes by detecting electromagnetic signals carried by the pipes. In the "passive" mode, only the receiver unit is used to detect signals carried by the pipe from nearby power lines, live signals transmitted along underground power cables, or very low frequency radio signals resulting from long wave radio transmissions that flow along buried conductors. In the "active" mode of operation, the transmitter is used to induce a signal on a target pipe, and the receiver is used to trace the signal along the length of the pipe. Our system uses a 10W transmitter.

LIMITATIONS OF THE METHODS

HAGER-RICHTER GEOSCIENCE, INC. MAKES NO GUARANTEE THAT ALL SUBSURFACE TARGETS OF INTEREST WERE DETECTED IN THIS SURVEY. HAGER-RICHTER GEOSCIENCE, INC. IS NOT RESPONSIBLE FOR DETECTING SUBSURFACE TARGETS THAT NORMALLY CANNOT BE DETECTED BY THE METHODS EMPLOYED OR THAT CANNOT BE DETECTED BECAUSE OF SITE CONDITIONS. GPR SIGNAL PENETRATION MAY NOT BE DEEP ENOUGH TO DETECT SOME TARGETS. HAGER-RICHTER GEOSCIENCE, INC. IS NOT RESPONSIBLE FOR MAINTAINING FIELD MARKOUTS AFTER LEAVING THE WORK AREA. MPI UNDERSTANDS THAT MARK-OUTS MADE DURING INCLEMENT WEATHER OR IN AREAS OF HIGH PEDESTRIAN OR VEHICULAR TRAFFIC MAY NOT LAST.

EM61. All electromagnetic geophysical methods, including the EM method used here, are affected by the presence of power lines and surface metal objects (steel sided buildings, dumpsters, vehicles, railroad tracks, reinforced concrete, etc.). Where such are present, the effects of materials in the subsurface may be masked, and firm conclusions about subsurface conditions cannot be made.

Detection and identification should be clearly differentiated. Detection is the recognition of the presence of a metal object, and the electromagnetic method is excellent for such purposes. Identification, on the other hand, is determination of the nature of the causative body (i.e., what is the body -- a cache of drums, UST, automobile, white goods, etc.?). Although the EM61 data cannot be used to *identify* buried metal objects, they provide excellent guides to the identification of some objects. For example, buried metal utilities produce anomalies with lengths many times their widths.

GPR. There are limitations of the GPR technique as used to detect and/or locate targets such as those of the objectives of this survey: (1) surface conditions, (2) electrical conductivity of the ground, (3) contrast of the electrical properties of the target and the surrounding soil, and (4) spacing of the traverses. Of these restrictions, only the last is controllable by us.

The condition of the ground surface can affect the quality of the GPR data and the depth of penetration of the GPR signal. Sites covered with snow piles, high grass, bushes, landscape structures, debris, obstacles, soil mounds, etc. limit the survey access and the coupling of the GPR antenna with the ground. In many cases, the GPR signal will not penetrate below concrete pavement, especially inside buildings, and a target may not be detectable. The GPR method also commonly does not provide useful data under canopies found at some facilities. GPR surveys inside buildings may be severely constrained by space limitations and interference from above-grade structures.

The electrical conductivity of the ground determines the attenuation of the GPR signals, and thereby limits the maximum depth of exploration. For example, the GPR signal does not penetrate clay-rich soils, and targets buried in clay might not be detected.

A definite contrast in the electrical conductivities of the surrounding ground and the target material is required to obtain a reflection of the GPR signal. If the contrast is too small, possibly due to construction details or deeply corroded metal in the target, then the reflection may be too weak to recognize and the target can be missed. In many cases, plastic, clay, asbestos concrete (transite), brick-lined, stone-lined, and other non-metallic utilities cannot be detected.

Spacing of the traverses is limited by access at many sites, but where flexibility of traverse spacing is possible, the spacing is adjusted to the size of the target. The GPR operator

controls the spacing between lines, and the design of the survey is based on the dimensions of the smallest feature of interest. Targets with dimensions smaller than the spacing between GPR survey lines can be missed.

PUL. The PUL equipment cannot detect non-metallic utilities, such as pipes constructed of vitrified clay, transite, plastic, PVC, fiberglass, and unreinforced concrete, when used in passive mode alone. Such pipes can be detected if a wire tracer is installed with access to such tracer for transmission of a signal or where access (such as floor drains and clean-outs) permits insertion of a device on which a signal can be transmitted.

In some, but not all, cases, the subsurface utility designation equipment cannot detect metal utilities reliably under reinforced concrete because the signal couples onto the metal reinforcing in the concrete. Similarly, the method commonly cannot be used adjacent to grounded metal structures such as chain link fences and metal guardrails.

In congested areas, where several utilities are bundled or located within a short distance, the signal transmitted on one utility can couple onto adjacent utilities, and the accuracy of the location indicated by the instrument decreases.

RESULTS

The geophysical survey was conducted using EM61 and GPR methods across the accessible portions of the specified AOI. The PUL method was also used to track utilities present in the AOI. Figure 2 is a color contour plot of the results of the EM61 survey, and Figure 3 shows the locations of the GPR traverses and the integrated interpretation of the geophysical data.

EM61. Interpretation of EM data is based on the relative response of the instrument in millivolts to local conditions. The instrument is not calibrated to provide an absolute measure of a particular property, such as the conductivity of the soil or the strength of the earth's magnetic field. Subsurface metal objects produce sharply defined positive anomalies when the EM61 is positioned directly over them. Acquiring data at short intervals along closely spaced lines, as was done at the subject site, provides high spatial resolution of the location and footprint of the targets. Thus, buried metal is recognized in contour plots of EM data by positive anomalies roughly corresponding to the dimensions of the buried metal.

Several areas of moderate to high-amplitude EM61 response are located throughout the AOI. Linear EM61 anomalies are interpreted as possible metallic utilities, and their locations are shown in Figure 3. Other EM anomalies are attributed to buried metal. The GPR records for the locations of EM anomalies were carefully examined to determine the cause of the anomalies.

Surface metal objects also produce positive EM anomalies. EM61 anomalies are evident in Figure 2 near surface metal present in the building, sidewalk, manholes, signs, monitoring wells, a bulldozer, etc. We note that the presence or absence of subsurface metal in such areas cannot be determined on the basis of the EM data alone due to the anomaly caused by the surface metal object.

GPR. The locations of the GPR traverses and integrated interpretation of the geophysical data are shown in Figure 3. Apparent GPR signal penetration for most of the area of interest was fair with reflections received for about 40-60 nsec. Based on handbook time-to-depth conversions for the GPR signal in average soils, the GPR signal penetration is estimated to have been approximately 6- 8 feet.

GPR reflections typical of one small UST were detected at the location of an EM61 anomaly north of the building. Reflections typical of USTs were not observed in the GPR records for other portions of the AOI. No other USTs were detected at the location of other EM anomalies. The location of the possible UST is shown in Figure 3, and Figure 4 shows two example GPR records acquired at the location of the possible UST.

A somewhat complex high amplitude group of EM anomalies is present along the east side of the AOI. The GPR records exhibit reflections typical of rebar and segments of utilities at the location of the group of EM anomalies, and we infer that the EM anomaly is caused in part by reinforcement in the east concrete sidewalk, segments of utilities and other surface site features such as manholes, light poles, signs, monitoring wells, and catch basins present at that location. We note that the proximity of the above referenced surface and buried metallic structures makes it difficult to separate EM anomalies caused by buried objects and surface objects.

The GPR records also show reflections typical of a subsurface buried structure in the vicinity of a manhole located near the northeast corner of the building. The GPR data were also used to confirm the location of utilities detected with the EM61 and the PUL equipment and to detect other segments of utilities. Small scattered unidentified buried objects were also detected with the GPR.

PUL. The PUL transmitter was attached to a water valve, a gas meter, a gas valve, a drain vent, and light poles. We also conducted a PUL survey in “passive” mode to detect signals carried by utilities from nearby power lines. Gas lines, a water pipe and electric conduits were detected with the PUL and marked on the ground with color coded spray paint.

CONCLUSIONS

Based on the geophysical survey performed by Hager-Richter Geoscience at Plaza Cleaners Site located at 966 Port Washington Boulevard in Port Washington, New York, we conclude that:

- One possible UST was detected at the location of an EM61 anomaly. No other UST with: (1) electrical properties to produce an EM61 anomaly or sufficiently contrasting with the surrounding soils to produce GPR reflections, or (2) a capacity of 500 gallons or more was detected within the effective depth of penetration of the GPR signal. *Whether a UST occurs at a depth greater than the effective depth of penetration of the GPR signal (approximately 6-8 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.*

- A subsurface buried structure was detected at the vicinity of a manhole located near the northeast corner of the building.

- Segments of possible utilities and small scattered buried objects were detected.

LIMITATIONS ON USE OF REPORT

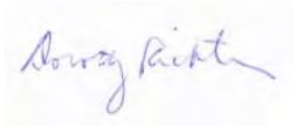
This letter report was prepared for the exclusive use of Malcolm Pirnie, Inc. (Client). No other party shall be entitled to rely on this Report or any information, documents, records, data, interpretations, advice or opinions given to the Client by Hager-Richter Geoscience, Inc. (H-R) in the performance of its work. The Report relates solely to the specific project for which H-R has been retained and shall not be used or relied upon by the Client or any third party for any variation or extension of this project, any other project or any other purpose without the express written permission of H-R. Any unpermitted use by the Client or any third party shall be at the Client's or such third party's own risk and without any liability to H-R.

H-R has used reasonable care, skill, competence and judgment in the performance of its services for this project consistent with professional standards for those providing similar services at the same time, in the same locale, and under like circumstances. Unless otherwise stated, the work performed by H-R should be understood to be exploratory and interpretational in character and any results, findings or recommendations contained in this Report or resulting from the work proposed may include decisions which are judgmental in nature and not necessarily based solely on pure science or engineering. It should be noted that our conclusions might be modified if subsurface conditions were better delineated with additional subsurface exploration including, but not limited to, test pits, soil borings with collection of soil and water samples, and laboratory testing.

Except as expressly provided in this limitations section, H-R makes no other representation or warranty of any kind whatsoever, oral or written, expressed or implied; and all implied warranties of merchantability and fitness for a particular purpose, are hereby disclaimed.

If you have any questions or comments on this letter report, please contact us at your convenience. It has been a pleasure to work with Malcolm Pirnie on this project. We look forward to working with you again in the future.

Sincerely yours,
HAGER-RICHTER GEOSCIENCE, INC.



José Carlos Cambero Calzada
Senior Geophysicist

Dorothy Richter, P.G.
President

Attachments: Figures 1 - 4

LOCATION

SCALE (feet)

0 2000 4000

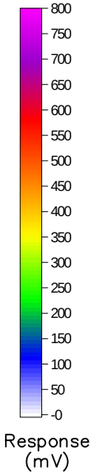
Figure 1
General Site Location
Plaza Cleaners Site (#1-30-108)
966 Port Washington Boulevard
Port Washington, New York

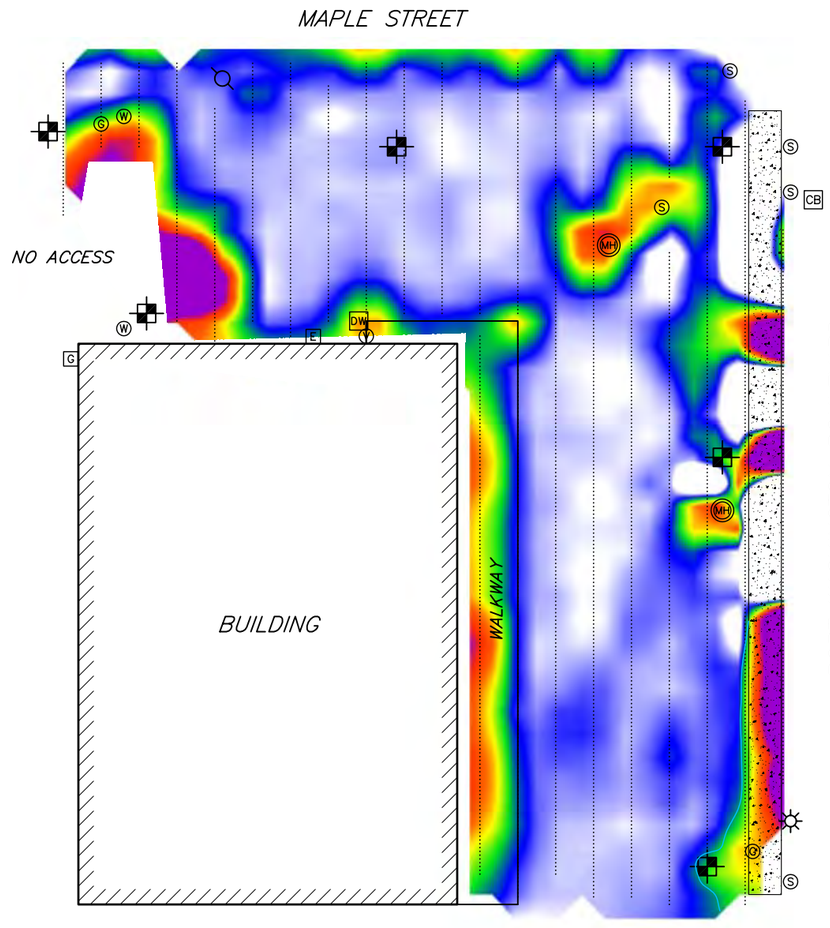
File 08JCC42 | November, 2009

HAGER-RICHTER GEOSCIENCE, INC.
Fords, New Jersey

LEGEND

- DATA STATIONS
- G — GAS METER
- Ⓖ — GAS VALVE
- E — ELECTRIC METER
- LIGHT POLE
- UTILITY POLE
- Ⓦ — WATER VALVE
- MH — MANHOLE
- CB — CATCH BASIN
- DW — DRY WELL
- Ⓥ — VENT
- MONITORING WELL
- Ⓢ — SIGN
- REINFORCED CONCRETE PAD





N

APPROX.

SCALE (feet)

0 20 40

NOTES:

1. Site sketch generated from field notes.
2. Data were acquired with Geonics EM61–MK2. Differential response shown.
3. Differential response equals top coil response – bottom coil response.

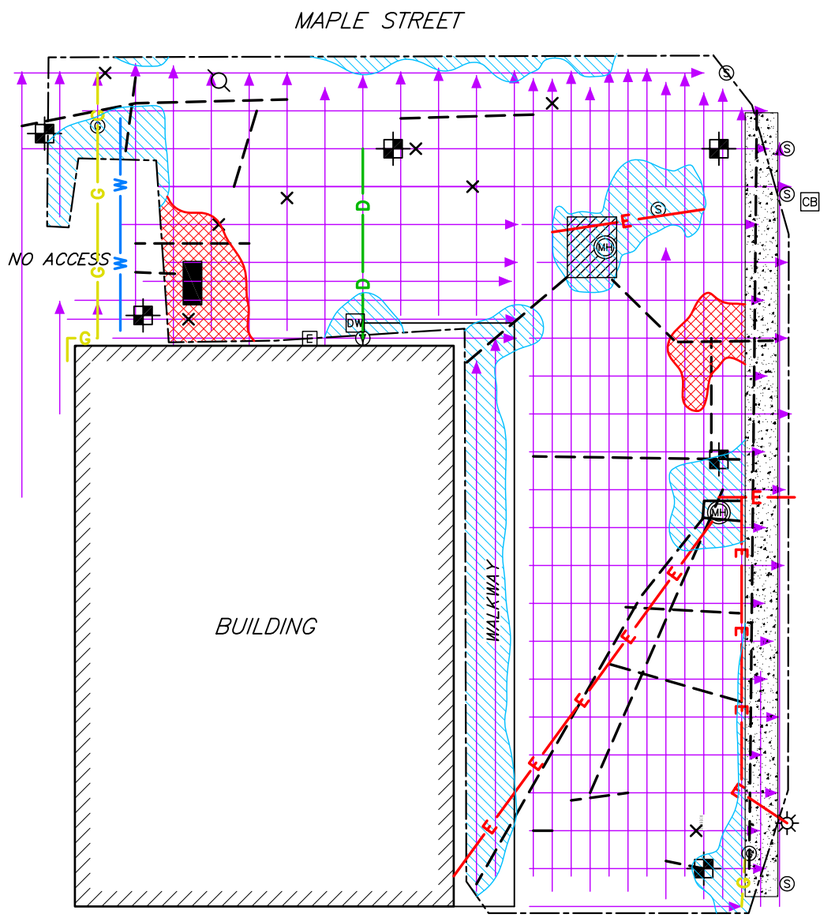
Figure 2
EM Survey
Plaza Cleaners Site (#1–30–108)
966 Port Washington Boulevard
Port Washington, New York

File 08JCC42 | November, 2009

HAGER–RICHTER GEOSCIENCE, INC.
Fords, New Jersey

LEGEND

- APPROXIMATE LIMITS OF EM SURVEY AREA
- GPR TRAVERSE
- POSSIBLE UST
- AREA OF POSSIBLE BURIED METAL
- G — GAS LINE
- E — ELECTRIC LINE
- W — WATER LINE
- D — DRAIN LINE
- POSSIBLE UTILITY
- UNIDENTIFIED BURIED STRUCTURE
- EM ANOMALY ATTRIBUTED TO EFFECTS OF SURFACE OBJECTS. THE PRESENCE OR ABSENCE OF BURIED METAL WITHIN THIS AREA CANNOT BE DETERMINED ON THE BASIS OF THE EM61 DATA ALONE.
- × UNIDENTIFIED BURIED OBJECT
- G GAS METER
- G GAS VALVE
- E ELECTRIC METER
- LIGHT POLE
- UTILITY POLE
- W WATER VALVE
- MH MANHOLE
- CB CATCH BASIN
- DW DRY WELL
- V VENT
- MONITORING WELL
- S SIGN
- REINFORCED CONCRETE SIDEWALK



SCALE (feet)

0 20 40

NOTES:

Site sketch generated from field notes.

Figure 3
GPR Survey &
Integrated Interpretation
Plaza Cleaners Site (#1-30-108)
966 Port Washington Boulevard
Port Washington, New York

File 08JCC42 | November, 2009

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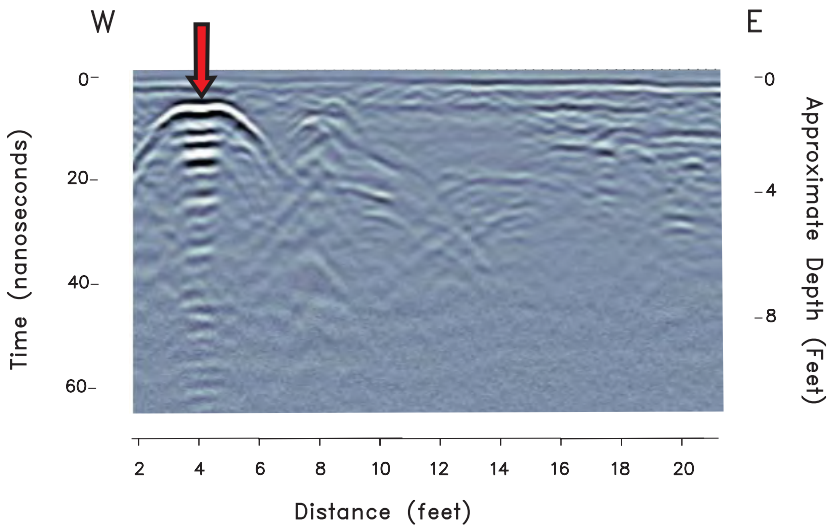
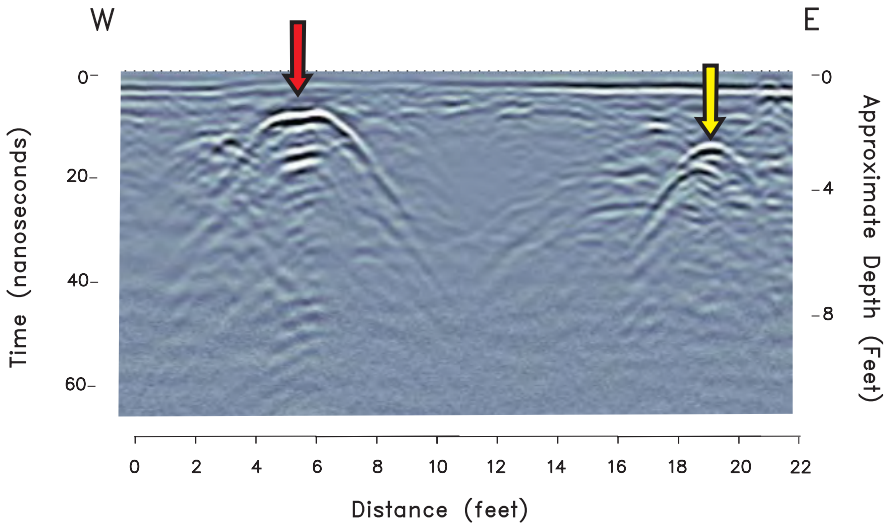


GPR Traverse 11 feet North of Building



GPR Traverse 6 feet North of Building

GPR records acquired parallel to the North side of the Building.

Legend

Possible UST

Possible Utility

Notes:

1. Shading represents relative amplitude of reflected signals. Lighter shades are lower amplitude; Darker shades are higher amplitude.
2. Accuracy of distance along the GPR record is approximately ±1 foot.

Figure 4
GPR Records of a Possible UST
Plaza Cleaners Site (#1-30-108)
966 Port Washington Boulevard
Port Washington, New York

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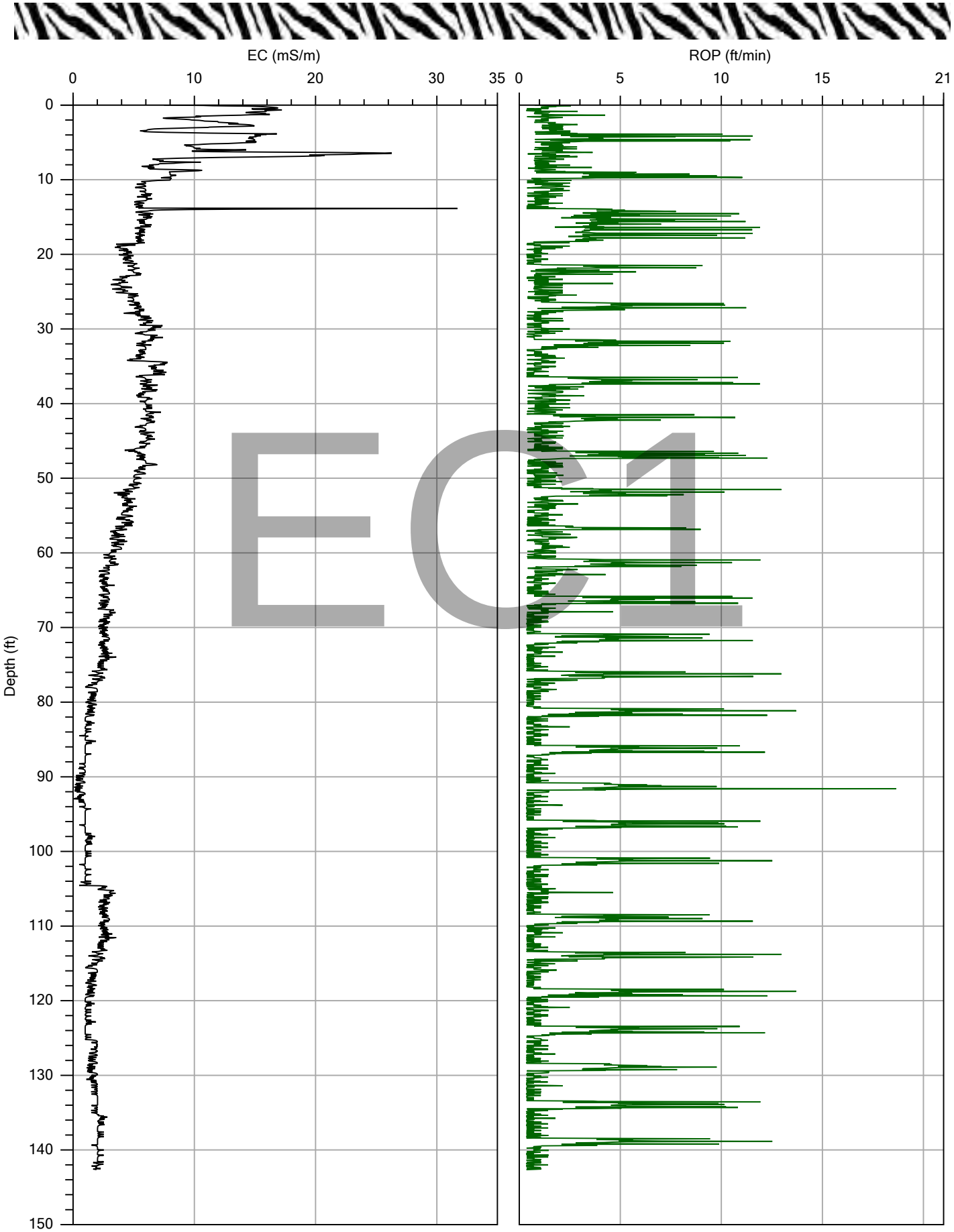
Fords, New Jersey

ARCADIS

Appendix D

Electrical Conductivity Logs

Zebra Environmental



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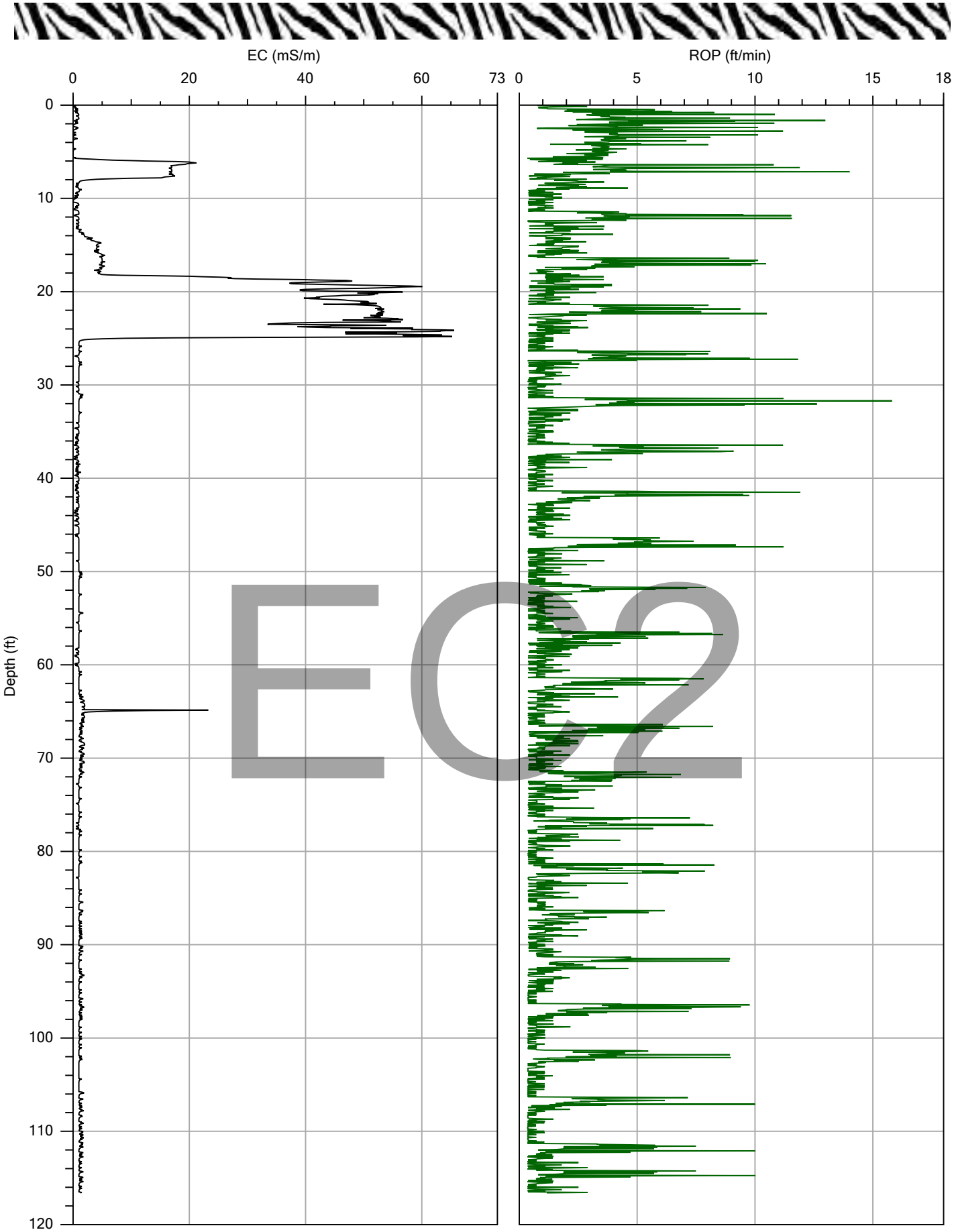

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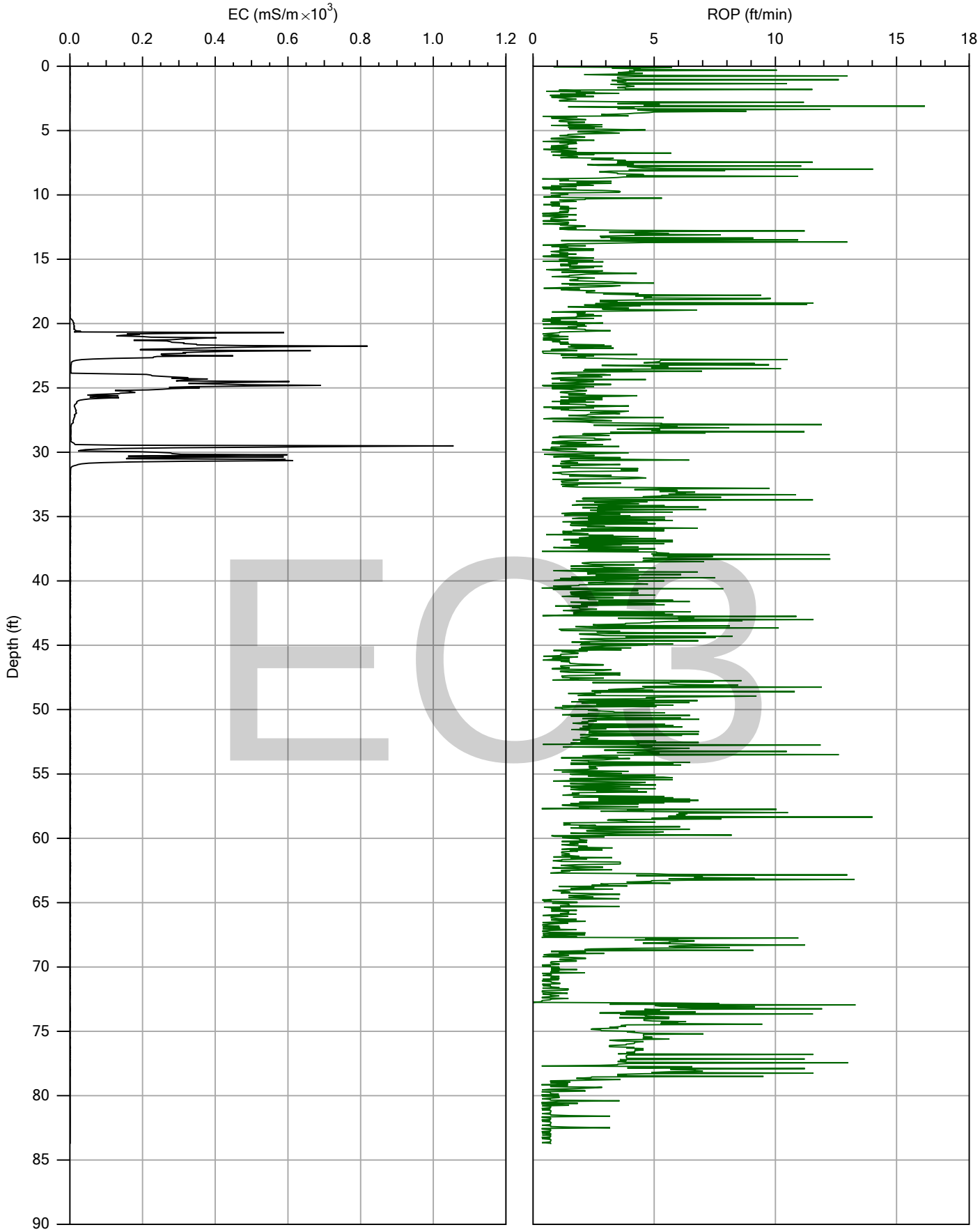

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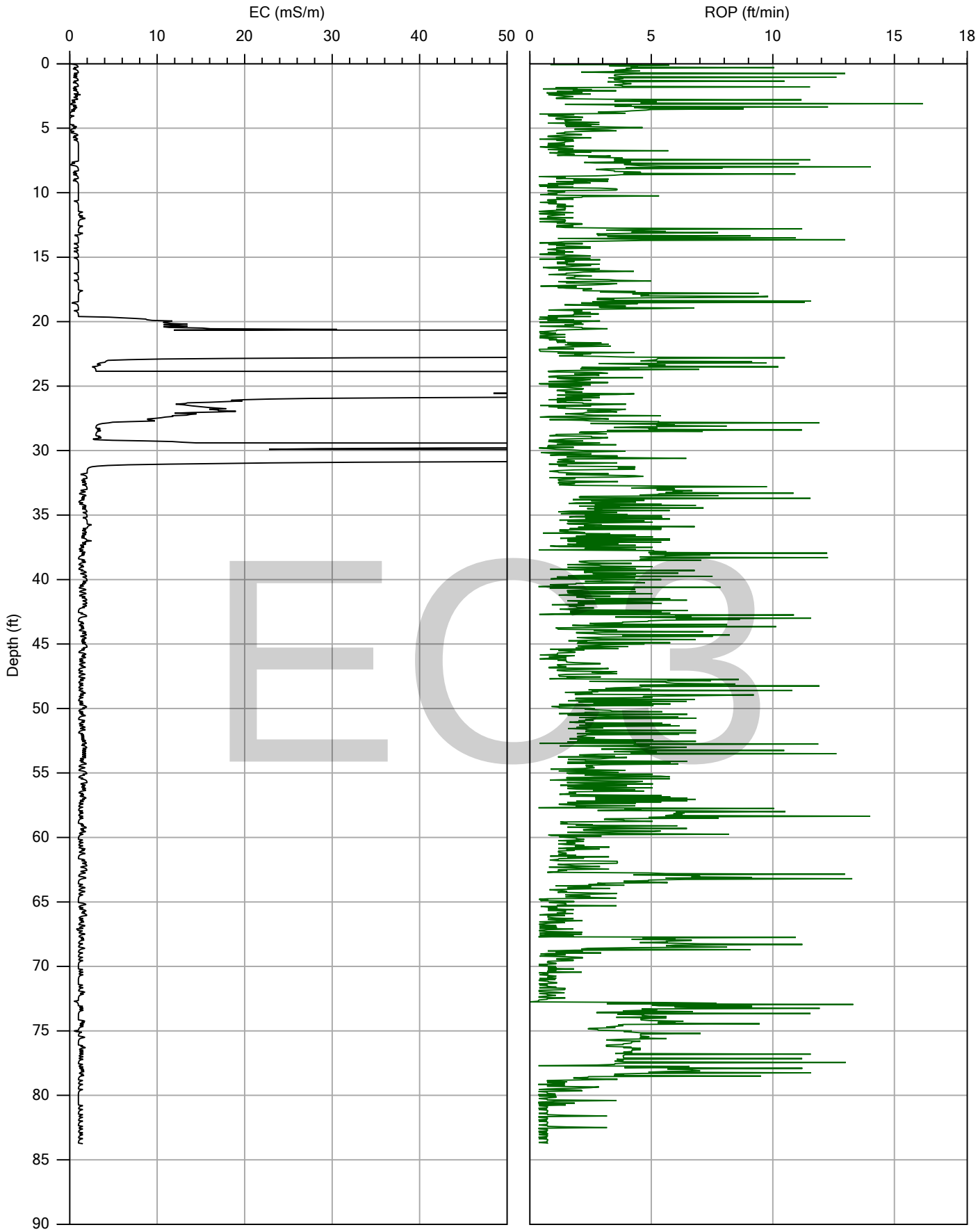

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