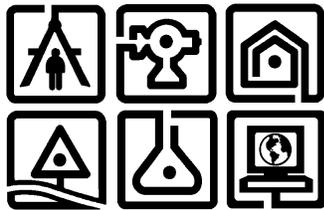


January 29, 2019  
(Revised July 12, 2019 from NYSDEC Comments)



Remedial Investigation Report  
Master Cleaners Site (BCP#C401072)  
Charles Bohl Incorporated  
Town of Guilderland  
Albany County, New York

*Prepared for:*

Charles Bohl Incorporated  
P.O. Box 59  
Guilderland, NY 12084

*I, Jeffrey A. Marx, P.E., certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).*

*Prepared by:*

C.T. MALE ASSOCIATES  
50 Century Hill Drive  
Latham, New York 12110  
(518) 786-7400  
FAX (518) 786-7299

*C.T. Male Associates Project No: 16.6345*

**REMEDIAL INVESTIGATION REPORT  
MASTER CLEANERS SITE  
2312 WESTERN AVENUE  
TOWN OF GUILDERLAND  
ALBANY COUNTY, NEW YORK**

**TABLE OF CONTENTS**

	<u>Page</u>
1.0 INTRODUCTION .....	1
1.1 Purpose .....	1
1.2 Project Background.....	1
2.0 SITE DESCRIPTION AND UTILIZATION.....	3
2.1 Site Description .....	3
2.2 Area Property Utilization .....	3
2.3 Site Utilities .....	3
2.4 Site History.....	4
2.5 Previous Site Investigations .....	4
3.0 STUDY AREA INVESTIGATION .....	6
3.1 Site Characterization.....	6
3.2 Fish and Wildlife Resources Impact Analysis (FWRIA) .....	6
3.3 Survey of Public and Private Wells .....	7
3.4 Surface Soil Sampling and Analysis.....	7
3.5 Subsurface/Hydrogeologic Evaluation.....	8
3.5.1 Subsurface Soil Sampling and Monitoring Well Installation.....	8
3.5.2 Dust Monitoring.....	10
3.5.3 Well Development and Groundwater Sampling .....	11
3.6 Soil Vapor and Ambient Air Sampling and Analysis .....	12
3.7 Data Usability Summary Report (DUSR).....	13
3.8 Investigation Derived Waste .....	13
4.0 PHYSICAL CHARACTERISTICS OF THE STUDY AREA .....	14
4.1 Results of the Study Area Investigation .....	14
4.1.1 Surface Features .....	14
4.1.2 Surface Water Bodies.....	15
4.1.3 Surface Drainage Patterns.....	15
4.1.4 Regional Geology .....	15

4.1.5	Site Soils.....	15
4.1.6	Groundwater Characteristics .....	17
5.0	NATURE AND EXTENT OF CONTAMINATION .....	22
5.1	Sources of Contamination.....	22
5.2	Determination of Project Standards, Criteria and Guidance (SCGs) .....	22
5.3	Surface Soils .....	23
5.3.1	General.....	23
5.3.2	Volatile Organic Compounds in Surface Soil .....	23
5.3.3	Semi-Volatile Organic Compounds in Surface Soil .....	24
5.3.4	PCBs in Surface Soil.....	24
5.3.5	Metals in Surface Soil .....	24
5.3.6	Subjective Impacts in Surface Soils.....	24
5.4	Subsurface Soils.....	25
5.4.1	General.....	25
5.4.2	Volatile Organic Compounds in Subsurface Soil .....	25
5.4.3	Semi-Volatile Organic Compounds in Subsurface Soil .....	26
5.4.4	PCBs and Pesticides in Subsurface Soil .....	27
5.4.5	Metals in Subsurface Soil .....	27
5.4.6	Subjective Impacts in Subsurface Soils .....	28
5.5	Groundwater .....	29
5.5.1	General.....	29
5.5.2	Volatile Organic Compounds in Groundwater .....	29
5.5.3	Semi-Volatile Organic Compounds in Groundwater.....	31
5.5.4	PCBs Groundwater .....	31
5.5.5	Metals in Groundwater .....	32
5.5.6	Subjective Impacts in Groundwater .....	33
5.6	Soil Vapor/ Ambient Air Assessment .....	34
5.6.1	VOCs in On-Site Soil Vapor and Outdoor Air.....	34
5.6.1	VOCs in Off-Site Soil Vapor and Outdoor Air .....	36
5.7	Data Usability Summary Reports.....	38
5.8	Summary of Extent of Contamination .....	38
5.8.1	Surface Soils .....	38
5.8.2	Subsurface Soils.....	39
5.8.3	Groundwater .....	40
5.8.4	Soil Vapor.....	41
5.9	Past Site Activities Relative to Site Contaminants .....	42
6.0	CONTAMINANT FATE AND TRANSPORT .....	43
6.1	General Overview .....	43

6.2	Definition of Relevant Properties .....	43
6.3	Contaminant Persistence.....	45
6.4	Contaminant Migration .....	47
6.4.1	Groundwater Migration.....	47
6.4.2	Atmospheric Migration.....	47
7.0	EXPOSURE ASSESMENT.....	49
7.1	Qualitative Exposure Assessment .....	49
8.0	SUMMARY AND CONCLUSIONS .....	51
8.1	Summary .....	51
8.2	Conclusions.....	51
8.2.1	Soil Vapor .....	52
8.2.2	Surface Soil.....	53
8.2.3	Subsurface Soil .....	53
8.2.4	Groundwater .....	54
8.3	Data Limitations and Disclaimer .....	54
8.4	Remedial Action Work Plan Strategy .....	54

**FIGURES**

Figure 1:	Site Location Map
Figure 2:	Tax Map
Figure 3:	Sampling Locations Map
Figure 4:	Groundwater Contour Map (3/29/2018)
Figure 5:	Groundwater Isoconcentrations Map

**TABLES**

Within Text

Table 3.5.1-1	Soil Boring and Monitoring Well Summary
Table 4.1.6-1:	Summary of Groundwater Elevation Data
Table 4.1.6-2:	Groundwater Field Observations Summary
Table 5.5.5-1:	Metals Exceeding SCGs in Groundwater
Table 6.2-1:	Physical and Chemical Properties of Site Contaminants

Following Text

Table 1:	Surface Soil – Detections Only
Table 2:	Subsurface Soil – Detections Only
Table 3:	On-Site Groundwater Samples – Detections Only
Table 4:	Off-Site Groundwater Samples – Detections Only
Table 5:	On-Site Soil Vapor and Ambient Air – Detections Only
Table 6:	Off-Site Soil Vapor and Ambient Air – Detections Only

**APPENDICES**

Appendix A:	Direct-Push Exploration Logs
Appendix B:	Organic Vapor Headspace Analysis Logs
Appendix C:	Monitoring Well Construction Logs
Appendix D:	Groundwater Services Field Logs
Appendix E:	Laboratory Analytical Data (CD)

**EXHIBITS**

Exhibit A:	NYSDEC Work Plan Approval
Exhibit B:	Data Usability Summary Reports
Exhibit C:	Previous Investigations
Exhibit D:	FWRIA Attachment

## **1.0 INTRODUCTION**

Charles Bohl Incorporated submitted an application to the New York State Department of Environmental Conservation (NYSDEC) for participation in the NYS Brownfield Cleanup Program (BCP) as a Volunteer in relation to the property known as the 2312 Western Avenue in the Town of Guilderland, New York (herein “the Site”). A Site Location Map is presented as Figure 1. DEC subsequently notified Charles Bohl Incorporated of its eligibility to participate in the BCP and Charles Bohl Incorporated executed a Brownfield Cleanup Agreement (BCA) which required the submission, review, approval and implementation of a remedial investigative work plan under the BCP. A Draft Remedial Investigation Work Plan (RIWP) for conducting a Remedial Investigation (RI) was submitted to NYSDEC for review and comment in July 2016 and again in April 2017. Regulatory comments to the RIWP were satisfactorily addressed and the RIWP was approved by NYSDEC in October 2017.

### **1.1 Purpose**

The goals of the RI were to identify and assess known and potential sources of contamination, develop site-specific Standards, Criteria and Guidance (SCGs) for identified contaminants. The purpose of the RI Report is to present and detail the findings of the RI in order to subsequently develop a Remedial Action Work Plan, which will include an Alternatives Analysis (AA) to aid the NYSDEC in the development of a Decision Document (DD). Following a public comment period on the DD, a Responsiveness Summary is prepared by the NYSDEC, which addresses public comments regarding the DD. A DD, which presents the selected remedy for the Site, is then finalized in consideration of the public’s input.

### **1.2 Project Background**

This Site was previously the location of Master Cleaners, a dry cleaning company, which was likely in operation from the early 1950’s until mid-1990’s. Sites previously utilized by dry cleaning companies typically exhibit soil and groundwater contamination in the form of Perchloroethylene (PCE), Trichloroethylene (TCE), and associated breakdown products. Historically dry cleaning companies typically utilized chlorinated solvents, such as PCE, in their processes leading to possible contamination

of soil, groundwater and/or soil vapor from PCE and its associated breakdown products such as TCE and DCE.

## **2.0 SITE DESCRIPTION AND UTILIZATION**

### **2.1 Site Description**

The proposed BCP Site is located at 2312 Western Avenue in the Town of Guilderland, Albany County, New York. The general location of the Site can be seen in Figure 1: Site Location Map. The proposed Site consists of one tax parcel (S.B.L. 40.17-2-12). This parcel is approximately 0.43 acres. The bounds of this parcel are shown in Figure 2: Tax Map, however, it should be noted that the tax map configuration may have been slightly modified after being accepted into the BCP. The intersection of NY Route 20 and Foundry Road lies west of the Site and the intersection of Schoolcraft Street and NY Route 20 lies east of the Site.

Subsequent to investigation work performed within the boundary of the site, a decision was made by the Volunteer to explore off-site through additional investigation south of the site boundary. This area is improved by three (3) separate structures and a driveway/parking area. Figure 4 shows on-site and off-site sampling locations. Analytical results are discussed herein primarily with respect to on-site sampling, but also with reference to the off-site sampling results included.

### **2.2 Area Property Utilization**

The land uses for properties surrounding the Site are municipal properties, and commercial vacant or occupied properties. The Site is bounded to the north by NY Route 20, beyond which lies the Guilderland Fire Department. West of the Site lies a vacant house. To the west of the vacant house lies the location of a former bus garage. To the east of the Site lies an empty lot, beyond which lies a vacant house. South of the Site lies a storage barn, as well as vacant apartments.

### **2.3 Site Utilities**

This Site has municipal drinking water and sanitary sewer. Natural gas and electric are also available at this Site.

## 2.4 Site History

The property was purchased by the current owner, Charles Bohl Incorporated on September 30, 2011 from Tomhanock, LLC. The property was previously occupied by a dry cleaning business known as “Master Cleaners” but has been vacant for many years. Below is a summary of the ownership information for the Site:

Owner	Purchase Date
Penguin Snack Bar, Inc.	3/11/50
Master Cleaners	Unknown
Albany County	2/8/2001
Daniel Marshall	1/31/2005
Marshall & Sons, LLC	6/6/2008
Tomhanock, LLC	6/24/2011
Charles Bohl Incorporated	9/30/2011

To the best of the Charles Bohl Incorporated’s knowledge and records researched, Master Cleaners & Dyers, Inc. was dissolved in March 2001. The Charles Bohl Incorporated has no specific knowledge of when the dry cleaning operations ceased at the property but believes that the operations at this facility ceased in the mid 1990’s, long before the dissolution of the corporation. Albany County took title to the property in 2001 through In Rem tax foreclosure.

## 2.5 Previous Site Investigations

The Site was investigated by Charles Bohl Incorporated in late 2015. A Phase 2 Subsurface Investigation Report was prepared for Charles Bohl Incorporated by P.S. Property Solutions, Inc. on November 30, 2015. This investigation included the sampling of soil from the completion of four (4) soil borings (SB-1 through SB-4), and the installment of four (4) monitoring wells within these borings (MW-1 through MW-4) within the same boreholes. During this investigation, subsurface contamination was encountered and NYSDEC was notified through the petroleum spill hotline.

Soil boring SB-1, which was determined to be an upgradient well, did not detect visual evidence of petroleum/solvent related contamination based on the soil vapor screening. This boring was advanced on the north side of the existing Site building. Analysis of groundwater samples from MW-1, which was installed after completion of sampling,

did not detect volatile organic compounds (VOC) or semi-volatile organic compounds (SVOCs).

Soil borings SB-2, SB-3 and SB-4 were advanced on the east, west and south sides of the building. These borings yielded similar results in terms of soil vapor screening. Elevated vapor readings were generally detected from about 5 feet below grade to about 30 feet below grade at SB-2; and to about 20 feet below grade at SB-3 and SB-4.

Based upon this 2015 investigation conducted, the contaminants of concern for the Site are chlorinated solvents. A summary of contaminants in soil and groundwater is presented below and lab reports are provided in Attachment A - Previous Investigations.

**Soil** - Several VOC compounds were detected within the soil boring samples. The soil data indicates no exceedences of the 6 NYCRR Part 375 Restricted Residential SCOs or the Commercial SCOs. The soil data indicates seven (7) exceedences of the 6 NYCRR Part 375 Unrestricted Use SCOs. These compounds are tetrachloroethene (PCE), vinyl chloride, trans-1,2-dichloroethene (trans-1,2-DCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), acetone, and 2-butanone (also known as methyl ethyl ketone or MEK).

**Groundwater** - Several VOCs were detected in groundwater samples collected from the four (4) monitoring wells on Site. Of the compounds detected, seven (7) VOCs were at concentrations substantially above their respective 6 NYCRR Part 703 groundwater standard values. These compounds included tetrachloroethene, vinyl chloride, 1,1-dichloroethene, trans-1,2-dichloroethene, cis-1,2-dichloroethene, trichloroethene, and 1,2,4-trimethylbenzene.

**Soil Vapor & Indoor Air** - No soil vapor sampling, indoor/outdoor ambient air sampling and lab analysis had been performed as part of this previous investigation.

Copies of pertinent reports from previous investigations performed at the subject Site are provided as Exhibit C.

### **3.0 STUDY AREA INVESTIGATION**

#### **3.1 Site Characterization**

The investigation was conducted within the property boundaries of the subject site, as well as off site at select locations. Investigation of the project site was performed through specific work tasks. The following sub-sections provide dates of work task completion and work task results (i.e., number of borings advanced, monitoring wells installed, etc.).

Investigative tasks performed by C.T. Male included sampling and analysis of surface soil, subsurface soil, ground water, and soil vapor/ambient air. All of the on-site analytical data for this project was validated in accordance with the Guidance for the Development of Data Usability Summary Report (DUSR). The DUSR provides an evaluation of the analytical data to determine whether or not the data meets the project specific criteria for data quality and data use.

#### **3.2 Fish and Wildlife Resources Impact Analysis (FWRIA)**

An evaluation of ecological resources was conducted at 2312 Western Avenue in the Town of Colonie, Albany County, New York to assess potential impacts related to past site activities as a part of the Brownfield Cleanup Program (BCP) within the area approximately 0.4 acres in size shown on the attached Site Location Map (Exhibit D). The evaluation included an initial desktop review, correspondence to the NYSDEC Natural Heritage Program (NHP), and a field review to identify existing fish and wildlife resources in the project area.

The initial desktop review of NYSDEC databases showed a portion of the site to have a potential rare plant or animal present though subsequent correspondence from the NYSDEC NHP confirmed there were no records of rare or state-listed animals or plants, or significant natural communities at the project area or in its immediate vicinity (refer to NYSDEC NHP correspondence in Exhibit D).

A site review was conducted by C.T. Male staff on November 2, 2018 (refer to Representative Photographs in Exhibit D). The project area was found to be entirely located in an urban area with land use including the following cover types: Urban

Vacant lot and Urban Structures Exterior including an abandoned commercial building, a paved parking lot, and lawn with trees and bushes. Vegetation included Norway Maple, Spotted Knapweed, Goldenrod spp., Wild Carrot, Blackberry sp., English Plantain, White Clover, Yellow Clover, Red Clover, and Bedstraw sp. No wetlands or other waters of the U.S. were observed and there was no indication of any Pine Bush habitat in the project area.

Based on NYSDEC NHP correspondence and a field review, no significant adverse impacts to fish or wildlife are anticipated within the project area shown on the Site Location Map in Exhibit D.

### **3.3 Survey of Public and Private Wells**

The part of the Town of Guilderland where the Site is located is provided with public water and sewer. Visual inspection of the adjacent properties did not identify nearby potable water supply wells.

### **3.4 Surface Soil Sampling and Analysis**

Surface soil samples were collected at five (5) locations (SS01 to SS05) on March 29, 2018. Asphalt pavement and sub base material or vegetative root zone was removed prior to sample collection, when applicable. Samples were collected in accordance with the procedures outlined in the RIWP. The collected samples were submitted to the laboratory for the following analyses: Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs) and Target Analyte List (TAL) metals (including cyanide).

Quality Assurance/Quality Control (QA/QC) samples were collected during the surface soil sampling event as follows:

- One equipment blank sample was collected of the stainless steel trowel used to collect the surface soil samples.

On March 29, 2018, C.T. Male took measurements from existing site features to the surface soil sampling locations for placement on the site plan. The locations of the surface soil samples are approximately shown on Figure 3, Sampling Locations Plan.

### **3.5 Subsurface/Hydrogeologic Evaluation**

#### **3.5.1 Subsurface Soil Sampling and Monitoring Well Installation**

The subsurface/hydrogeologic evaluation included the completion of exploratory test borings at fourteen (14) locations (GP01 through GP07, GP07X, GP07D, and GP08 on-site; and GP09 through GP12 off-site). Each of the test borings, except GP07X, was converted to a groundwater monitoring well upon completion of the subsurface soil sampling. The locations of the test borings/monitoring wells are approximately shown on Figure 3, Sampling Locations Plan. On-site test borings and monitoring well installation activities took place between March 5 and March 13, 2018. Though not obligated under the BCA to investigate at any locations off of the Site, an off-site investigation was conducted by Charles Bohl Incorporated in order to assist in determining the extent of groundwater and subsurface vapor impacts from the Site. Off-site test borings and monitoring well installation activities took place on June 11, 2018 after obtaining NYSDEC approval to complete an off-site investigation.

The test borings were advanced using direct-push (Geoprobe) methods, specifically utilizing the DT22 dual tube sampling system, which advances an outer casing that remains in the ground during the advancement of the entire boring allowing for collection of samples at depth without the potential of formation collapse. The majority of the on-site test borings were advanced to depths ranging from 20 to 25 feet, except GP02 was advanced to 55 feet; GP07X was only advanced to 10 feet and GP07D was advanced to 45 feet. GP02 and GP07D were advanced to deeper depths to determine subsurface conditions beyond a confining soil layer as explained later in this report. The off-site test borings were advanced to depths ranging from 20 to 35 feet.

During advancement of the borings, soil samples were collected at continuous five-foot intervals for classification, photoionization detector (PID) organic vapor screening, and potential laboratory analysis. Soils were collected and handled in accordance with the procedures outline in the RIWP. The soil classifications for each boring are presented on the Direct-Push Exploration Logs in Appendix A. Recovered soil samples were screened in the field utilizing a calibrated PID meter. The PID meter screening results are presented on the Organic Vapor Headspace Analysis Logs in Appendix B. At the on-site locations one soil sample from each test boring was retained for laboratory analysis (except that two (2) samples were retained from GP07 and no samples were

retained from GP07X), the selection of which was based on organic vapor headspace screening results and organoleptic perception. Two (2) media samples were also retained for laboratory analysis from the material located within a sump pit located adjacent to GP07 inside the on-site building. No soil samples were retained from the off-site locations for laboratory analysis, as planned, because the focus was to evaluate groundwater and subsurface soil vapor impacts.

A total of eleven (11) soil samples (including a duplicate sample collected from boring GP04) were submitted to the laboratory for analyses for TCL VOCs, TCL SVOCs, TCL pesticides, PCBs and TAL metals (including cyanide). Excess soil from each boring was placed into 55-gallon drums which were labeled and stored inside the on-site building, pending off-site disposal.

On-site, each of the on-site test borings (except GP07X) were converted to permanent 1-inch diameter PVC monitoring wells, identified as CTMMW-01 to CTMMW-07, CTMMW-07D and CTMMW-08. Off site, each of the test borings was converted to permanent 1-inch diameter PVC monitoring wells, identified at CTMMW-09 to CMTMW-12. Each monitoring well was protected with a flush-mounted curb box with a bolted cover. Monitoring well construction details are provided on the Monitoring Well Construction Logs in Appendix C.

QA/QC samples were collected during the soil sampling, as follows:

- One equipment blank sample was collected of the DT22 MacroCore liner and sampler shoe.
- One duplicate sample was collected at GP04.
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses were performed on the sample collected at GP05.

Table 3.5.1-1 provides a summary of the boring and monitoring well identification numbers, boring depths, monitoring well depths, monitoring well screened interval depths, and the depths at which soil samples were collected for laboratory analysis.

<b>TABLE 3.5.1-1: Soil Boring and Monitoring Well Summary</b>					
<b>Boring ID</b>	<b>Monitoring Well ID</b>	<b>Boring Depth (bgs)</b>	<b>MW Depth (bgs)</b>	<b>MW Screened Interval (ft)</b>	<b>Laboratory Soil Sample Depth (ft bgs)</b>
GP01	CTMMW-01	25'	25'	15 to 25'	5 to 7.5
GP02	CTMMW-02	55'	13'	3 to 13'	7.5 to 10
GP03	CTMMW-03	20'	15'	3 to 15'	10 to 12.5
GP04	CTMMW-04	20'	16'	3 to 16'	12.5 to 15
GP05	CTMW-05	20'	17'	3 to 17'	12.5 to 15
GP06	CTMMW-06	20'	15'	3 to 15'	7.5 to 10
GP07	CTMMW-07	20'	15'	3 to 15'	2.5 to 5 & 15 to 17.5
GP07X	None Installed	10'	-	-	None Submitted
GP07D	CTMMW-07D	45'	43.7'	33.7 to 43.7'	37.5-40
GP08	CTMMW-08	20'	15'	3 to 15'	7.5-10
GP09	CTMMW-09	20'	16'	3 to 16'	None Submitted
GP10	CTMMW-10	25'	22'	3 to 22'	None Submitted
GP11	CTMMW-11	20'	12'	3 to 12'	None Submitted
GP12	CTMMW-12	35'	30'	3 to 30'	None Submitted

### 3.5.2 Dust Monitoring

During Geoprobe activities, C.T. Male utilized two (2) TSI DustTRAK real-time particulate monitors, capable of continuously measuring concentrations of airborne dust, smoke, mists, haze, and fumes. These instruments are capable of detecting particles from 0.1 to 10 micrometers in size, and are capable of providing real-time data, and 15-minute time-weighted average exposure measurements. The instruments were placed on tripods at temporary monitoring stations, selected each day based on the prevailing wind direction, one (1) upwind and one (1) downwind of the work area. Dust monitoring equipment was calibrated by the supplier and was zeroed in the field

prior to each day's use. Based on field observations, little to no visible dust was generated during the course of Geoprobe drilling activities, and dust monitoring data indicated that established action levels were not exceeded as a result of drilling activities.

### **3.5.3 Well Development and Groundwater Sampling**

On March 9 and 15, 2018 monitoring wells CTMMW-01, CTMMW-02, CTMMW-04, CTMMW-05 and CTMMW-07D were developed using surging and pumping methods to restore hydraulic connection with the surrounding formation. Each well was surged utilizing a long section of HDPE tubing that had a diameter similar to the inside diameter of the monitoring wells and was plugged at the end. The wells were surged for a period of time prior to removing any water from the well. Then each well was purged utilizing a peristaltic pump while continuing to surge the well until a minimum of five (5) well volumes of water were removed, or until the well was dry. Then surging was stopped and an additional three (3) well volumes were purged to continue to remove silt/sediment from the well. Well development water was pumped into 5-gallon buckets and then transferred into 55-gallon drums which were labeled and stored inside the on-site building, pending off-site disposal.

Attempts were made to develop CTMMW-03, CTMW-06, CTMMW-07 and CTMMW-08 using the same procedures. During initial surging activities, strong solvent odors and elevated PID meter readings were noted in the worker's breathing zone, so development activities were halted for safety reasons.

Off-site monitoring wells CTMMW-09 to CTMMW-12 were developed on June 12, 2018 utilizing the same procedures as the on-site wells.

On March 15 and 19, 2018, C.T. Male took measurements from existing site features to the newly installed on-site monitoring wells and pre-existing on-site monitoring wells for depicting on the site plan. C.T. Male also used differential surveying to obtain the top of PVC well casing elevations to aid in determining groundwater elevations and development of a groundwater contour map.

On March 15 and 19, 2018, C.T. Male conducted groundwater monitoring activities at the newly installed and pre-existing on-site monitoring wells, including measurement of water levels and collection of groundwater samples. On March 15, 2018 (and again

on March 29, and June 12, 2018) water levels were measured at each well location from the surveyed top of well casing, following the procedures outlined in the RIWP.

Prior to collection of groundwater samples, each well was purged using a peristaltic pump in accordance with the procedures outlined in the RIWP. Purge water was handled in the same manner as the water generated during well development, placing it in the labeled 55-gallon drums stored on-site. After allowing the water level in each well to recover to at least 80 percent of its initial static level, groundwater samples were collected using a peristaltic pump. Groundwater Services Field Logs completed at the time of sampling are included in Appendix D. Groundwater samples were collected in accordance with the procedures outlined in the RIWP. The groundwater samples were forwarded to the laboratory for the following analyses: TCL VOCs, TCL SVOCs, PCBs and TAL metals (including cyanide). Groundwater samples from existing well MW-4 and new wells CTMMW-01 and CTMMW-04 were also analyzed for 1,4-dioxane.

Groundwater samples were collected from the off-site wells on June 12, 2018 following the same procedures as the on-site well sampling. The groundwater samples were forwarded to the laboratory for analysis for TCL VOCs.

QA/QC samples were collected during the groundwater sampling event, as follows:

- One equipment blank was collected from a representative section of peristaltic pump tubing.
- One duplicate sample was collected from CTMMW-01.
- MS/MSD analyses were performed on the sample collected from CTMMW-04.

### **3.6 Soil Vapor and Ambient Air Sampling and Analysis**

On March 8, 2018 on-site sub grade soil vapor and ambient air sampling was conducted from temporary locations. The sampling included the collection and laboratory analysis of four (4) soil vapor samples and one outdoor ambient air sample. The sampling was conducted following the procedures in the RIWP in general accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006.

On June 12, 2018 off-site subgrade soil vapor and outdoor ambient air sampling was conducted. The sampling included the collection and laboratory analysis of two (2) soil vapor samples and one (1) outdoor ambient air sample. The sampling was generally conducted following the same procedures as the on-site soil vapor/outside air sampling.

Each sample was collected over a 2-hour period. The samples were forwarded to the laboratory for analysis of VOCs by EPA Method TO-15. No site specific QAQC samples were collected as part of the soil vapor/ambient air sampling events. The locations of the soil vapor and ambient air sampling locations are shown on Figure 3.

### **3.7 Data Usability Summary Report (DUSR)**

Data Usability Summary Reports (DUSRs) were completed of the analytical data generated during this investigation to confirm that the data is of adequate quality for subsequent decision making purposes. All of the analytical data presented in the summary tables have been validated in accordance with Appendix 2B (Guidance for Data Deliverables and the Development of Data Usability Summary Reports) of the DER-10 Technical Guidance for Site Investigation and Remediation (NYSDEC, May 3, 2010). The DUSR reports for the RI are presented in Exhibit 2.

### **3.8 Investigation Derived Waste**

Waste derived from investigative activities consisted of soil from drilling, groundwater from well development and sampling, decontamination water, and plastic sheeting/tubing and personal protective equipment (i.e. sampling gloves). These materials were containerized in labeled 55-gallon drums, which are currently stored on-site pending waste characterization and disposal arrangements.

## **4.0 PHYSICAL CHARACTERISTICS OF THE STUDY AREA**

### **4.1 Results of the Study Area Investigation**

A number of investigative tasks were completed by C.T. Male to characterize the project site. The results of the investigative tasks are supplemented with published literature including soil, bedrock, and aquifer mapping to further assess the physical characteristics of the project site. The physical characteristics of the site are discussed in the following sections.

#### **4.1.1 Surface Features**

At the time of the remedial investigation field work, the site consists of a single story concrete block structure surrounded by areas of asphalt pavement to the north, sparsely vegetated soils/gravel to the east and south, and a sparsely landscaped area and driveway to the west. Asphalt pavement was also encountered in certain borings beneath the surface soil layer of varying thickness on the southern portion of the site. Some large trees are located along the southern and southwestern portions of the site. A stone retaining wall is located approximately along the southern property line, beyond which the ground elevation drops down several feet. The site is generally flat with approximately a foot of elevation drop from the north side of the site to the south.

The property directly to the east of the site is vacant with similar topographic features to the site, consisting of sparsely vegetated soils/gravel areas.

The property directly to the south of the site is generally flat and presently consists of a single story wooden structure near the shared property boundary and a single story concrete block garage structure on the southern portion of the site. The central portion of this property is mainly a grassy area with portions of a driveway on the western side.

The property directly to the west of the site currently consists of a two story vacant house on the northern portion of the site and a two story vacant structure on the southern portion of the site. The topography generally mimics the surrounding area, which is overall flat with a very small elevation drop from north to south.

#### **4.1.2 Surface Water Bodies**

Surface water bodies are not present on the site. The closest surface water body is the Hunger Kill which is approximately 630 feet southwest of the site where it runs in a generally west to east direction. The Hunger Kill is a tributary to Norman Kill, which then feeds into the Hudson River in Bethlehem, New York.

#### **4.1.3 Surface Drainage Patterns**

Storm water generated during the course of precipitation events follows the topography of the site which is generally flat with a slight downward gradient from north to south. No storm drains or catch basins are observed on-site.

There were several sump-like structures within the concrete floor of the Site building. Most of the sumps did not have an obvious outfall, but two of them could be connected to a subsurface drainage feature. During one the borings (GP07X) advanced in the building was close to one of the floor sumps, and the sampler unexpectedly dropped a short distance. The subsurface void could not be determined with any certainty.

#### **4.1.4 Regional Geology**

Based on a review of the Surficial Geologic Map of New York, Hudson-Mohawk Sheet, the surficial geology in the vicinity of the site is mapped as lacustrine laminated silt and clay.

According to the Geologic Map of New York, Hudson-Mohawk Sheet, bedrock in the vicinity of the site is mapped as the Normanskill Shale, which consists of minor mudstone and sandstone. Bedrock conditions were not observed within the soil borings.

#### **4.1.5 Site Soils**

Soils were evaluated through the advancement of ten (10) soil borings on-site, nine (9) of which were later converted to monitoring wells and the advancement of four (4) soil borings off-site which were converted to monitoring wells. The on-site borings were advanced to depths ranging from 20 to 55 feet below grade. The off-site borings were advanced to depths of 20 to 35 feet below grade. A subsurface exploration log for each test boring performed for this project was prepared, and is presented in Appendix A.

The logs summarize and present the classifications of the subsurface soils, moisture content and other pertinent visual observations of the soil.

The on-site soils, as visually classified using the Unified Soil Classification System, at the time of test boring completion consisted of the following: predominantly silty soils are present across the site with varying proportions of sand and clay. Soils generally alternate between silt/sand layers and silt/clay layers as depth progresses. Below these upper soils, a layer of gray clay/silt is present at approximately 13 to 15 feet below grade, except that at GP02 where a mottled gray and brown confining clay/silt layer was observed at 15 feet below grade and extended to the termination of the borings at 20-25 feet below grade. In GP02 and GP07D, both which extended beyond 25 feet below grade and below the confining silt/clay layer, soils consisted primarily of silt/sand with some clay. Bedrock was not encountered within any of the borings.

At GP01, faint petroleum type odors were noted in the soils present from 5 to 7.5 feet below grade, with a corresponding PID meter screening result of 9.6 ppm above background. At GP02, faint petroleum type odors and sheen were noted in the soils from 7.5 to 12.5 feet below grade with PID readings ranging from 40-148 ppm. At GP03, solvent-type odors were noted in the soils from 2.5 to 15 feet below grade with PID readings ranging from 197 to 6,100 ppm. At GP04 and GP05, solvent-type odors were noted in the soils from 7.5 to 15 feet below grade with PID readings ranging from 200-530 ppm. At GP06 and GP08 solvent-type odors were again noted in the soils from 0-12.5 feet below grade with PID readings ranging from 130 to 4,300 ppm. At GP07/GP07D, solvent-type odors were also noted in the soils from 0 - 15 feet below grade with PID readings ranging from 165 - 4,000 ppm. Solvent-type odors were noted at GP07X from 0 - 10 feet below grade with PID readings ranging from 761 to 2,745 ppm. GP07X was terminated at 10 feet due to the presence of a large void space present from approximately 1 - 3 feet below grade. In general, the highest PID readings were present just above the gray silt/clay layer present at 13 - 15 feet below grade. No odors or staining were noted in or below this soil layer, and PID meter readings drastically decreased at these depths below the confining layer. PID readings on-site at 15 - 17.5 feet below grade did not exceed 5 ppm except for a reading of 80 ppm at GP05. The PID meter screening result at GP05 from the subsequent 17.5 - 20 feet below grade was 2.8 ppm above background.

The off-site soils were generally similar to the soils observed on-site, consisting of alternating layers of silt/sand and silt/clay over a gray clay/silt layer, except that the gray clay/silt layer was observed at 10 feet below grade at GP-10 and 20 feet below grade at GP-20. Bedrock was not encountered within any of the borings.

At off-site location GP09, solvent-type odors were noted in the soils from 5 - 12.5 feet below grade with PID readings ranging from 69-308 ppm. At GP10 solvent-type odors were noted in the soils from 7.5 - 15 feet below grade with PID readings ranging from 430 to 610 ppm. No odors were noted in the soils from GP11 and no elevated PID readings were observed. Petroleum-type odors were noted in the soils from GP12 from 7.5-12.5 feet below grade with PID meter reading of 315 ppm. Elevated PID readings ranging from 34 to 222 ppm were observed in the soils from GP12 at depths of 15-27.5 feet below grade, but no odors or staining were observed in the associated soils.

PID readings and observations were recorded on Organic Vapor Headspace Analysis Logs which are included in Appendix B.

#### **4.1.6 Groundwater Characteristics**

According to the map entitled "Potential Yields of Wells in Unconsolidated Aquifers in Update New York, Hudson-Mohawk Sheet" (Edward F. Bugliosi and Ruth A. Trudell, 1988), the subject site is located within an area designated as an aquifer of unknown potential, in close proximity to an area designated as an unconfined aquifer with the potential to yield more than 100 gallons per minute.

Groundwater conditions on the site were evaluated through the advancement of test borings and installation of monitoring wells. The groundwater monitoring wells were used to collect static water level data. Site-wide rounds of water levels were measured on March 15, March 29 and June 12, 2018. Depth to groundwater varied during each measurement event, generally increasing over time. The March 15, 2018 readings showed that depth to groundwater varied from 1.26 to 3.42 feet below grade; on March 29 depth to groundwater ranged from 1.88 to 3.85 feet below grade; and on June 15 depth to groundwater ranged from 2.86 to 6.24 feet below grade. The data from the March 29, 2018 measurements was used to generate a groundwater contour map which is presented as Figure 2. Groundwater flow across the site is generally from north to south with an increasing radial outward spread near the southern portion of the site.

Depth to groundwater in monitoring well CTMMW-07D was noted to be significantly different from the shallow monitoring wells, measured at depths of 26.32', 25.40' and 26.89', indicating that this monitoring well is screened in a deeper water bearing unit that appears to be separated from the upper water bearing unit. Therefore, this monitoring well was not used in determining groundwater flow direction across the site.

The pre-existing groundwater monitoring wells that were installed during previous investigation work by others prior to entering the BCP were not used in determining inferred direction of groundwater flow as it appears that they are likely screened across the upper contaminated water bearing unit and through the clay/silt layer observed in borings advanced as part of the current RI. The March 15, 2018 readings showed that depth to groundwater in the pre-existing wells varied from 3.47 to 6.41 feet below grade; on March 29, 2018 depth to groundwater ranged from 4.26 to 7.00 feet below grade; and on June 15, 2018 depth to groundwater ranged from 6.17 to 7.87 feet below grade.

Groundwater elevation data at the off-site wells shows that groundwater elevation continues to drop from north to south.

Water level data collected on these dates are summarized below in Table 4.1.6-1.

<b>TABLE 4.1.6-1: Summary of Groundwater Elevation Data</b>				
Well ID	TOC Elevation (feet)	Date	Depth to Water (feet)	Groundwater Elev. (feet)
CTMMW-01	99.68	3/15/18	0.85	98.83
		3/29/18	1.47	98.21
		6/15/18	2.45	97.23
CTMMW-02	99.96	3/15/18	3.18	96.78
		3/29/18	3.32	96.64
		6/15/18	3.38	96.58
CTMMW-03	99.81	3/15/18	1.37	98.44
		3/29/18	2.25	97.56
		6/15/18	3.33	96.48
CTMMW-04	98.98	3/15/18	2.55	96.43
		3/29/18	3.34	95.64
		6/15/18	5.43	93.55
CTMMW-05	99.30	3/15/18	2.44	96.86

<b>TABLE 4.1.6-1: Summary of Groundwater Elevation Data</b>				
Well ID	TOC Elevation (feet)	Date	Depth to Water (feet)	Groundwater Elev. (feet)
		3/29/18	2.94	96.36
		6/15/18	5.98	93.32
CTMMW-06	99.93	3/15/18	2.55	97.38
		3/29/18	3.21	96.72
		6/15/18	4.42	95.51
CTMMW-07	99.88	3/15/18	2.32	97.56
		3/29/18	3.20	96.68
		6/15/18	4.46	95.42
CTMMW-07D	99.82	3/15/18	26.05	73.77
		3/29/18	25.13	74.69
		6/15/18	26.62	73.20
CTMMW-08	99.76	3/15/18	2.67	97.09
		3/29/18	3.63	96.13
		6/15/18	5.18	94.58
MW-01	100.45	3/15/18	6.28	94.17
		3/29/18	6.87	93.58
		6/15/18	7.74	92.71
MW-02	100.80	3/15/18	4.70	96.10
		3/29/18	6.15	94.65
		6/15/18	7.75	93.05
MW-03	100.44	3/15/18	4.15	96.29
		3/29/18	4.94	95.50
		6/15/18	6.85	93.59
MW-04	100.64	3/15/18	5.66	94.98
		3/29/18	6.32	94.32
		6/15/18	7.01	93.63
CTMMW-09	97.56	6/15/18	5.11	92.45
CTMMW-10	96.37	6/15/18	7.64	88.73
CTMMW-11	95.95	6/15/18	5.36	90.59
CTMMW-12	95.91	6/15/18	13.27	82.64

Field parameters (pH, temperature, conductivity and turbidity) and organoleptic observations were recorded during groundwater sampling activities. The pH values for the on-site groundwater samples varied from 7.0 to 8.4, except at CTMMW-07D, pH was 10.5. Temperatures in the on-site wells ranged from 3.7 to 9.9 degrees Celsius. Conductivity readings in the on-site wells ranged from 275 to 6,700 microsiemens/centimeter ( $\mu\text{S}/\text{cm}$ ). All but three (3) turbidity readings at the time of

sampling were over the measureable range of the turbidity meter (i.e. over 1,000 nephelometric turbidity units (NTUs); the remaining three measurements ranged from 23 to 115 NTUs. In the off-site wells, pH values ranged from 7.6 to 8.0; temperatures ranged from 12.9 to 15.6 degrees Celsius; conductivity ranged from 737 to 2,360  $\mu\text{S}/\text{cm}$  and turbidities were all over the measureable range of the meter. The table below lists the field parameter values for each well immediately prior to sample collection.

<b>Well ID</b>	<b>Turbidity</b>	<b>pH &amp; Temp.</b>	<b>Specific Conductance</b>
CTMMW-01	23 NTU	7.3 @ 7.3°C	6,700 $\mu\text{S}/\text{cm}$
CTMMW-02	42 NTU	8.4 @ 3.7°C	387 $\mu\text{S}/\text{cm}$
CTMMW-03	>1,000 NTU	8.0 @ 7.7°C	851 $\mu\text{S}/\text{cm}$
CTMMW-04	>1,000 NTU	7.6 @ 6.7°C	881 $\mu\text{S}/\text{cm}$
CTMMW-05	115 NTU	7.9 @ 6.6°C	275 $\mu\text{S}/\text{cm}$
CTMMW-06	No Reading	No Reading	No Reading
CTMMW-07	No Reading	9.0°C	1,503 $\mu\text{S}/\text{cm}$
CTMMW-07D	No Reading	10.5 @ 6.7°C	462 $\mu\text{S}/\text{cm}$
CTMMW-08	>1,000 NTU	7.0 @ 9.3°C	1,260 $\mu\text{S}/\text{cm}$
MW-1	>1,000 NTU	7.7 @ 8.0°C	415 $\mu\text{S}/\text{cm}$
MW-2	>1,000 NTU	7.8 @ 8.6°C	602 $\mu\text{S}/\text{cm}$
MW-3	>1,000 NTU	7.5 @ 9.9°C	1,310 $\mu\text{S}/\text{cm}$
MW-4	>1,000 NTU	7.7 @ 9.6°C	1,573 $\mu\text{S}/\text{cm}$
CTMMW-09	>1,000 NTU	7.6 @ 13.3°C	673 $\mu\text{S}/\text{cm}$
CTMMW-10	>1,000 NTU	7.8 @ 13.4°C	2,360 $\mu\text{S}/\text{cm}$
CTMMW-11	>1,000 NTU	8.0 @ 12.9°C	737 $\mu\text{S}/\text{cm}$
CTMMW-12	>1,000 NTU	7.7 @ 15.6°C	1,052 $\mu\text{S}/\text{cm}$

At the start of well development PID meter readings were taken at the top of the PVC immediately upon opening the wells. At monitoring wells CTMMW-02, CTMMW-04, CTMMW-05 and CTMMW-07D where no solvent odors were noted, PID readings ranged from 1.7 to 19.7 ppm. At CTMMW-01, CTMMW-03, CTMMW-06, CTMMW-07

and CTMMW-08 where odors were observed, PID readings ranged from 32.5 ppm to 980 ppm, with the highest reading coming from CTMMW-07. During groundwater sampling nearly all the groundwater samples collected were described as cloudy or brown. During well development, groundwater from CTMMW-01 was noted to have a slight sheen. During groundwater sampling monitoring well MW-3 was observed to have a slight sheen. During well development, CTMMW-01 was noted to have a faint petroleum odor. During groundwater sampling groundwater from wells CTMMW-01 exhibited a solvent and petroleum-type odor. During well development, strong solvent-type odors were noted at CTMMW-03, CTMMW-06, CTMMW-07 and CTMMW-08 that caused elevated PID readings in the breathing zone around the wells. During groundwater sampling, monitoring wells CTMMW-03, CTMMW-06, CTMMW-07, CTMMW-08 and MW-3 exhibited a solvent type odor, with the odors at MW-3 being subjectively milder.

At the off-site wells during well development and sampling, CTMMW-09, CTMMW-10 and CTMMW-12 exhibited faint solvent-type odors, no odors were noted at CTMMW-11.

## **5.0 NATURE AND EXTENT OF CONTAMINATION**

The nature and extent of contamination at the project site is based on subjective and quantitative analyses of samples collected during the RI. Samples collected during the RI included surface soil, subsurface soil, groundwater, and soil vapor/ambient air. The surface soil samples were analyzed for TCL VOCs, TCL SVOCs, PCBs and TAL metals (including cyanide). The subsurface soils were analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides, PCBs and TAL metals (including cyanide). The groundwater samples were analyzed for TCL VOCs, TCL SVOCs, PCBs and TAL metals (including cyanide); and three (3) samples were analyzed for 1,4-Dioxane. The soil vapor/ambient air samples were analyzed for the VOCs by EPA Method TO-15. The analytical data for the RI are summarized in the following subsections, and are presented on Tables 1 through 6 following the report text.

### **5.1 Sources of Contamination**

Historical on-site potential sources of contamination include the operation of a dry cleaning business and its use of chlorinated solvents. No other known sources of contamination were identified.

### **5.2 Determination of Project Standards, Criteria and Guidance (SCGs)**

Project SCGs were established for comparison of analytical results of the different media types that were sampled. The media types were surface and subsurface soils, groundwater and soil vapor/ambient air.

Laboratory analyses for surface soil sampled as part of the RI were TCL VOCs, TCL SVOCs, PCBs and TAL metals (including cyanide). Subsurface soils were analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides, PCBs and TAL metals (including cyanide). Analytical results for the surface and subsurface soil samples were compared to 6NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives (RRSCOs), Unrestricted Use Soil Cleanup Objectives (UUSCOs) and the NYSDEC CP-51 Soil Cleanup Guidance Table 1 Supplemental Soil Cleanup Objectives. Laboratory analysis for groundwater samples were TCL VOCs, TCL SVOCs, PCBs and TAL metals (including cyanide), and 3 samples were analyzed for 1,4-Dioxane. Analytical results

for the groundwater samples were compared to the NYSDEC Groundwater Standards and Guidance Values promulgated in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS). Laboratory analysis for the soil vapor/ambient air samples were VOCs by EPA Method TO-15. Analytical results for the soil vapor/ambient outdoor air samples were compared to the values presented in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, however the criteria presented in the guidance document are intended for comparison to sub slab vapor and indoor air concentrations, not for soil vapor/ambient outdoor air. As such, this comparison was performed for information purposes only.

### **5.3 Surface Soils**

#### **5.3.1 General**

A total of five (5) surface soil samples, identified as SS01 through SS05 on Figure 2, were collected from 0 - 2 inches in unvegetated areas or 0 - 2 inches below the vegetated root zone or asphalt and subbase, as applicable. Soils consisted primarily of sand with varying amounts of silt or gravel. The surface soils were collected on March 29, 2018 and transported to the laboratory for analysis for TCL VOCs, TCL SVOCs, PCBs and TAL metals (including cyanide). An equipment blank QA/QC sample was also collected for laboratory analysis for the same set of parameters.

Summary tables of surface soil sampling results (detected compounds only) are presented as Table 1.

#### **5.3.2 Volatile Organic Compounds in Surface Soil**

No VOCs were detected above laboratory method detection limits in SS01 or SS05. Tetrachloroethene was identified in SS02, SS03 and SS04 at concentrations ranging from 0.0016 to 0.035 mg/kg well below the UUSCO of 1.3 mg/kg. Methyl acetate was detected in SS02 and SS04 at estimated concentrations (below the reporting limit but above the laboratory method detection limit) of 0.009 and 0.016 mg/kg respectively; there is no SCO for methyl acetate. Trichloroethene and cis-1,2-Dichloroethene were detected in SS04 at concentrations of 0.0059 and 0.0012 mg/kg, respectively, well below their UUSCOs of 0.47 and 0.25 mg/kg. A summary of all VOCs detections is included in Table 1.

### **5.3.3 Semi-Volatile Organic Compounds in Surface Soil**

Analytical results showed that one or more SVOCs were detected in each of the surface soil samples, however none of the SVOC detections were above UUSCOs in surface soil samples SS01 through SS04. Three SVOCs detected in SS05 were above their RRSCO; benzo(a)anthracene was detected at 1.1 mg/kg, its RRSCO is 1.0 mg/kg; benzo(b)fluoranthene was detected at 1.4 mg/kg, its RRSCO is 1.0 mg/kg; and indeno(1,2,3-cd)pyrene was detected at 0.78 mg/kg, its RRSCO is 0.5 mg/kg. Chrysene was detected at 1.1 mg/kg, below its RRSCO of 3.9 mg/kg. A summary of all detected SVOCs is included in Table 1.

### **5.3.4 PCBs in Surface Soil**

One or more of two (2) PCBs were identified above laboratory method detection limits in all the surface soil samples except for SS03. However, total PCB detections in each of the surface soil samples were below the UUSCO for PCBs of 0.1 mg/kg, the highest total PCB concentration being 0.0733 mg/kg at SS01. A summary of all detected PCBs is included in Table 1.

### **5.3.5 Metals in Surface Soil**

A total of nineteen (19) Target Analyte List metals were detected in surface soil samples at concentrations above laboratory method detection limits. However, none of these metals was detected at concentrations above RRSCOs, except for the detection of copper in SS01 at 803 mg/kg, its RRSCO being 270 mg/kg. The majority of detections were also not above their UUSCOs, except for lead at SS04 and SS05 and mercury at SS02. The various metals detected in surface soil samples were not limited to a particular area (or areas) of the site, but rather were exhibited throughout the site at all of the sampling locations. A summary of all detected metals are included in Table 1.

### **5.3.6 Subjective Impacts in Surface Soils**

No odors or staining were observed in any of the surface soil samples collected and PID meter headspace screening results were all less than 1.5 ppm above background concentrations. This concentration is not indicative of organic vapor contamination.

## 5.4 Subsurface Soils

### 5.4.1 General

Subsurface soil samples were retained for laboratory analysis from nine (9) soil borings advanced using Geoprobe methods at the locations identified on Figure 2 as GP01 to GP07, GP07D and GP08. A total of ten (10) subsurface soil samples, two (2) samples from the building sump pit, plus one field duplicate sample were submitted for laboratory analysis. The selection of soil samples for laboratory analysis was based on PID screening results and organoleptic (i.e., sight and smell) perception. The subsurface soils were collected on March 5, 6, 7 and 13, 2018 and forwarded to the laboratory for analysis for TCL VOCs, TCL SVOCs, TCL Pesticides, PCBs and TAL metals (including cyanide). QA/QC samples were also collected including one equipment blank, one field duplicate (duplicate of GP04\_12.5-15.0) and a MS/MSD sample.

A summary table of subsurface soil sampling results (detected compounds only) are presented as Table 2.

### 5.4.2 Volatile Organic Compounds in Subsurface Soil

One or more of twelve (12) TCL VOCs were detected above laboratory method detection limits in every subsurface soil sample collected except for the sample from GP07D.

At GP01 only two (2) VOCs were detected and neither exceeded their UUSCO.

At GP02 benzene was detected at 0.07 mg/kg, which does not exceed its RRSCO of 2.9 mg/kg.

At GP03 and GP06 tetrachlorethene and trichloroethene were detected. Tetrachloroethene was detected at 1,300 mg/kg in GPO3 and 4,000 mg/kg in GP06, above its RRSCO of 5.5 mg/kg. Trichloroethene was detected at a lab estimated concentration of 9.3 mg/kg in GP03, below its RRSCO of 10mg/kg but at 110 mg/kg in GP06.

At GP04, GP05 (and its field duplicate FD01) and GP08, tetrachloroethene, trichloroethene, vinyl chloride, and cis-1,2-dichloroethene were detected. Tetrachloroethene detections at these locations ranged from 31 to 77 mg/kg, all above

their RRSCO of 5.5 mg/kg. Trichloroethene detections at these locations ranged from 1.7 to 8.0 mg/kg, all below their RRSCO of 10 mg/kg. Vinyl chloride detections at these locations ranged from an estimated concentration of 0.13 mg/kg at GP08 to 1.5 mg/kg, with only the detection at GP08 being below its RRSCO of 0.21 mg/kg. Cis-1,2-dichloroethene detections at these locations ranged from 7.6 to 8.9 mg/kg, all below their RRSCO of 59 mg/kg. Trans-1,2-dichloroethene was also detected at GP08 but was at a lab estimated concentration below its RRSCO.

At GP07 (2.5-5.0) tetrachloroethene, vinyl chloride, trans-1,2-dichloroethene, trichloroethene, and cis-1,2-dichloroethene were detected. The vinyl chloride detection at this location of 3.2 mg/kg exceeded its RRSCO of 0.21 mg/kg, and the cis-1,2-dichloroethene detection of 70 mg/kg exceeded its RRSCO of 59 mg/kg.

At GP07 (15-17.5) tetrachloroethene, vinyl chloride and cis-1,2-dichloroethene were detected, with only vinyl chloride exceeding its UUSCO of 0.02 mg/kg; none of the detections in this soil sample exceeded their RRSCOs.

In the Sump Pellets sample, tetrachloroethene was detected at 5,200 mg/kg and trichloroethene was detected at an estimated concentration of 46 mg/kg. In the Sump Soil sample tetrachloroethene was detected at 21,000 mg/kg and trichloroethene was detected at an estimated concentration of 71 mg/kg. All of these detections exceed their RRSCOs. A summary of all VOC detections is presented in Table 2.

#### **5.4.3 Semi-Volatile Organic Compounds in Subsurface Soil**

There were no SVOCs detected above the laboratory method detection limit in the samples from GP01, GP02, GP04, GP05 and its field duplicate FD01, GP07 from 15-17.5' or GP07D. One or more SVOCs were detected in the soil samples submitted from GP03, GP06, GP07 from 2.5-5' and GP08, however the detected SVOCs either do not have a SCO or the concentrations detected were below the UUSCO.

Seven (7) SVOCs were detected above laboratory method detection limits in the Sump Pellets sample and nineteen (19) were detected in the Sump Soil sample, however the detected SVOCs either do not have a SCO or the concentrations detected were below the UUSCO.

#### **5.4.4 PCBs and Pesticides in Subsurface Soil**

There were no PCBs detected above method detection limits in the samples from GP01, GP02, GP03, GP04, GP05 and its field duplicate FD01, GP07 from 15-17.5', GP07D or GP08. One or more of two (2) PCBs (Aroclor 1254 and 1260) were detected in the soil sample from GP06 and GP07 from 2.5-5'. The total PCB detections in the sample from GP06 were below the UUSCO of 0.1 mg/kg. The total PCB detections in the sample from GP07 2.5-5' was 0.255 mg/kg which is below the RRSCO of 1.0 mg/kg.

There were no TCL pesticides detected above the laboratory method detection limit in the samples from GP02, GP04, GP05 and its field duplicate FD01, GP07 from 15-17.5' or GP07D. One or more pesticides were detected in the samples from GP01, GP03, GP06, GP07 from 2.5-5', however none of the detections were above the RRSCOs.

PCBs were not detected in the Sump Pellets sample. Aroclor 1254 and 1260 were detected in the Sump Soil sample, but their combined concentration was 0.556 mg/kg which is below the RRSCO of 1.0 mg/kg.

Eight (8) TCL pesticides were detected in the samples collected of the Sump Pellets and Sump Soil, however none of the detections were above the RRSCOs, except dieldrin in the Sump Soil sample.

#### **5.4.5 Metals in Subsurface Soil**

A total of twenty (20) TAL Metals were detected above laboratory method detection limits in the subsurface soil samples, however none of these metals were detected at concentrations above the UUSCOs. The various metals detected in surface soil samples were not limited to a particular area (or areas) of the site, but rather were exhibited throughout the site at all of the sampling locations.

A total of twenty-two (22) TAL Metals were detected in the Sump Pellets and Sump Soil samples. Most detections were below their UUSCOs or RRSCOs. Copper was detected at 335 mg/kg in the Sump Soil sample above its RRSCO of 270 mg/kg and mercury was detected at 0.98 mg/kg above its RRSCO of 0.81 mg/kg.

#### 5.4.6 Subjective Impacts in Subsurface Soils

At GP01, faint petroleum type odors were noted in the soils present from 5 to 7.5 feet below grade, with a corresponding PID meter screening result of 9.6 ppm above background. At GP02, faint petroleum type odors and sheen were noted in the soils from 7.5 to 12.5 feet below grade with PID readings ranging from 40 - 148 ppm. At GP03, solvent-type odors were noted in the soils from 2.5 to 15 feet below grade with PID readings ranging from 197 to 6,100 ppm. At GP04 and GP05, solvent-type odors were noted in the soils from 7.5 to 15 feet below grade with PID readings ranging from 200-530 ppm. At GP06 and GP08 solvent-type odors were noted in the soils from 0-12.5 feet below grade with PID readings ranging from 130 to 4,300 ppm. At GP07/GP07D, solvent-type odors were noted in the soils from 0 - 15 feet below grade with PID readings ranging from 165 - 4,000 ppm. Solvent-type odors were noted at GP07X from 0 - 10 feet below grade with PID readings ranging from 761 to 2,745 ppm. GP07X was terminated at 10 feet due to the presence of a large void space present from approximately 1 - 3 feet below grade. In general, the highest PID readings were present just above the gray silt/clay layer present at 13 - 15 feet below grade. No odors or staining were noted in or below this soil layer, and PID meter readings drastically decreased at these depths. PID readings at 15 - 17.5 feet below grade did not exceed 5 ppm except for a reading of 80 ppm at GP05. The PID meter screening result at GP05 from 17.5 - 20 feet below grade was 2.8 ppm above background.

At off-site location GP09, solvent-type odors were noted in the soils from 5-12.5 feet below grade with PID readings ranging from 69 - 308 ppm. At GP10 solvent-type odors were noted in the soils from 7.5 - 15 feet below grade with PID readings ranging from 430 - 610 ppm. No odors were noted in the soils from GP11 and no elevated PID readings were observed. Petroleum-type odors were noted in the soils from GP12 from 7.5 - 12.5 feet below grade with PID meter reading of 315 ppm. Elevated PID readings ranging from 34 to 222 ppm were observed in the soils from GP12 at depths of 15 - 27.5 feet below grade, but no odors or staining were observed in the associated soils.

PID readings were recorded on Organic Vapor Headspace Analysis Logs which are included in Appendix B.

## 5.5 Groundwater

### 5.5.1 General

Nine (9) groundwater monitoring wells identified as CTMMW-01 to CTMMW-07, CTMMW-07D and CTMMW-08, were installed on-site as part of the subsurface/hydrogeologic investigation. Four (4) additional groundwater monitoring wells identified MW-1 to MW-4 were installed on-site by others during the previous site investigation. The location of the monitoring wells is shown on Figure 1. Groundwater samples were collected from the monitoring wells on March 15 and 19, 2018 and analyzed for TCL VOCs, TCL SVOCs, PCBs and TAL metals (including cyanide), and three (3) samples were analyzed for 1,4-Dioxane. QA/QC samples were also collected including one equipment blank, one field duplicate (duplicate of CTMMW-01) and a MS/MSD sample. The analytical results are discussed in the following subsections. Summary tables of groundwater sampling results (which include detected compounds only) are presented as Table 3.

Four (4) groundwater monitoring wells, identified as CTMMW-09 to CTMMW-12, were installed off-site as part of the subsurface/hydrogeologic investigation. The location of the monitoring wells is shown on Figure 1. Groundwater samples were collected from the monitoring wells on June 12, 2018 and analyzed for TCL VOCs. The analytical results are discussed in the following subsections. Summary tables of groundwater sampling results (which include detected compounds only) are presented as Table 4.

### 5.5.2 Volatile Organic Compounds in Groundwater

#### On-site

One or more of nine (9) VOCs were detected above the laboratory method detection limit in each of the groundwater samples collected. The groundwater samples from monitoring wells CTMMW-02 and MW-1 did not have any VOC detections that exceeded their SCGs. Benzene was detected in the groundwater sample from monitoring well CTMMW-01 and its field duplicate sample FD01, at concentrations of 2.4 ug/l and 2.5 ug/l, respectively, above the SCG of 1.0 ug/l. No other VOCs exceeded groundwater standards at CTMMW-01 or FD01. Tetrachloroethene was the only VOC detected above groundwater standards in the sample collected from CTMMW-07D at a concentration of 14 ug/l, above its SCG of 5 ug/l. At monitoring

wells CTMMW-04, CTMMW-05, CTMMW-06, CTMMW-07, CTMMW-08, MW-2, MW-3 and MW-4 SCGs were exceeded for tetrachloroethene, vinyl chloride, trichloroethene and cis-1,2-dichloroethene. The groundwater sample from CTMMW-03 only exceeded SCGs for tetrachloroethene and trichloroethene, and was non-detect for vinyl chloride and cis-1,2-dichloroethene; however, this is likely due to the highly elevated detection limits of these two (2) compounds because of the high concentrations of tetrachloroethene and trichloroethene present (i.e., these compounds likely present in the same below the elevated lab detection limits. Total detected VOC concentrations were highest at CTMMW-07 (233,900 ug/l) and CTMMW-06 (22,300) inside the building near the two (2) sump pits present in the concrete floor. In general, as distance from these locations increases, total VOC concentrations decreases. MW-3 (south of the on-site building), CTMMW-03 (inside the building north of the sump pits) and CTMMW-08 (inside the building south of the sump pits) had slightly lower total VOC concentrations ranging from 100,900 ug/l to 187,700 ug/l. Monitoring wells MW-2 and MW-4, which are to the west and to the east of the on-site building had total VOC concentrations ranging from 13,974 ug/l to 40,182 ug/l. The two wells with the lowest total VOC concentrations were CTMMW-04 (8,314 ug/l) and CTMMW-05 (63.8 ug/l) near the southern property line. A Groundwater Isoconcentration Map, presented as Figure 3, shows a visual representation of the total VOC concentrations discussed above.

#### Off-site

One or more of four (4) VOCs were detected above the laboratory method detection limit in each of the groundwater samples collected. The groundwater samples from monitoring wells CTMMW-11 did not have any VOC detections that exceeded their applicable groundwater standards. At the remaining monitoring wells CTMMW-09, CTMMW-10 and CTMMW-12 groundwater standards were exceeded for tetrachloroethene, vinyl chloride, trichloroethene and cis-1,2-dichloroethene, the same 4 VOCs that exceeded groundwater standards in the on-site wells. Total detected VOC concentrations were highest at CTMMW-10 (89,250 ug/l), which is generally south of CTMMW-05. CTMMW-09, which is generally south of CTMMW-04, had a total VOC concentration of 18,350 ug/l, and CTMMW-12 that is south of CTMMW-10 had a total VOC concentration of 23,050 ug/l. A Groundwater Isoconcentration Map, presented as

Figure 3, shows a visual representation of the total VOC concentrations discussed above.

### 5.5.3 Semi-Volatile Organic Compounds in Groundwater

There were no SVOCs detected above laboratory method detection limits in the groundwater samples from CTMMW-01 and its field duplicate FD01, CTMMW-02, CTMMW-04, CTMMW-05 or MW-1. There were one or more SVOC detections but none that exceeded their SCGs in the samples collected from CTMMW-07D, MW-2 and MW-4. Two (2) SVOCs, bis (2-chloroethyl)ether and naphthalene exceeded their SCGs in the groundwater samples collected from CTMMW-08 and MW-3. Two (2) SVOCs, bis (2-ethylhexyl)phthalate and naphthalene exceeded their SCGs in the sample collected from CTMMW-06. Four (4) SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)perylene and indeno(1,2,3-cd)pyrene exceeded their groundwater standards in the sample collected from CTMMW-03. The groundwater sample from CTMMW-07 had the highest overall SVOC concentration among all the wells and a total of six (6) SVOCs exceeded their groundwater standard including bis (2-chloroethyl)ether, bis (2-ethylhexyl)phthalate, phenols, naphthalene, benzo(a)anthracene and benzo(b)fluoranthene.

Groundwater samples were analyzed for 1,4-dioxane at CTMMW-01 where it was not detected above laboratory method detection limits; at CTMMW-04 where it was detected at a concentration of 0.0914 ug/l which is a lab estimated concentration above the lab method detection limit, but below the reporting limit; and at MW-4 where it was detected at a concentration of 0.156 ug/l.

### 5.5.4 PCBs Groundwater

No PCBs were detected above laboratory method detection limits in the groundwater samples collected from CTMMW-01, CTMMW-03, CTMMW-07D, CTMMW-08, MW-1, MW-2, MW-3 or MW-4. Aroclor 1254 was detected above the laboratory method detection limit, but below the reporting limit and below the total PCB groundwater SCG of 0.09 ug/l at FD01 (duplicate of CTMMW-01), CTMMW-02 and CTMMW-04. Aroclor 1254 was detected in the groundwater samples collected from CTMMW-05 and CTMMW-06 at concentrations of 0.185 and 0.110 ug/l, respectively. The groundwater sample from CTMMW-07 had the highest overall PCB concentration among all the

wells and had a total PCB concentration of 4.41 ug/l, from detections of aroclor 1254 and 1260.

### 5.5.5 Metals in Groundwater

One or more of twenty-four (24) metals (including cyanide) were detected above laboratory method detection limits in all of the groundwater samples. Thirteen (13) of the metals exceeded their applicable SCGs. In general, CTMMW-07 had the most exceedances and in many cases had the highest concentrations. Table 5.5.5-1 below summarizes the metals detected above their groundwater standards, and are also summarized in Table 4 following the report.

TABLE 5.5.5-1: Metals Exceeding SCGs in Groundwater				
Metal	SCG (ug/L)	Frequency of Exceeding SCGs	Concentration Range Exceeding SCGs (ug/L)	Sampling Location(s) Exceeding SCGs
Arsenic	25	5 of 13	25.78 - 101.7	CTMMW-06, CTMMW-07, CTMMW-08, MW2, MW-4
Barium	1,000	5 of 13	1,024 - 1,891	CTMMW-03, CTMMW-06, CTMMW-07, MW-2, MW-4
Beryllium	3	6 of 13	3.48 - 9.66	CTMMW-03, CTMMW-06, CTMMW-07, CTMMW-08, MW-2, MW-4
Chromium	50	3 of 13	60.54 - 190.2	CTMMW-03, CTMMW-07, MW-4
Copper	200	1 of 13	284.2	CTMMW-07
Iron	300	13 of 13	498 - 348,000	All
Lead	25	8 of 13	26.08 - 138.02	CTMMW-03, CTMMW-06, CTMMW-07, CTMMW-08, MW-1, MW-2, MW-3, MW-4
Magnesium	35,000	8 of 13	71,300 - 153,000	CTMMW-03, CTMMW-06, CTMMW-07, CTMMW-08, MW-1, MW-2, MW-3, MW-4

TABLE 5.5.5-1: Metals Exceeding SCGs in Groundwater

Metal	SCG (ug/L)	Frequency of Exceeding SCGs	Concentration Range Exceeding SCGs (ug/L)	Sampling Location(s) Exceeding SCGs
Manganese	300	12 of 13	581.4 - 30,640	All except CTMMW-07D
Nickel	100	2 of 13	110.1 - 291.4	CTMMW-07, MW-4
Selenium	10	9 of 13	11.1 - 54	CTMMW-03, CTMMW-04, CTMMW-06, CTMMW-07, CTMMW-08, MW-1, MW-2, MW-3, MW-4
Sodium	20,000	11 of 13	30,800 - 1,640,000	All except CTMMW-05 and CTMMW-07D
Thallium	0.5	2 of 13	0.52 - 1.04	CTMMW-07, MW-4

### 5.5.6 Subjective Impacts in Groundwater

Nearly all the groundwater samples, except for samples collected from CTMMW-01, CTMMW-02 and CTMMW-05 were noted to be very turbid at the time of sample collection. During well development, groundwater from CTMMW-01 was noted to have a slight petroleum sheen. During groundwater sampling monitoring well MW-3 was observed to have a slight petroleum sheen. During well development, CTMMW-01 was noted to have a faint petroleum odor. During groundwater sampling groundwater from well CTMMW-01 exhibited a solvent and petroleum-type odor. During well development, strong solvent-type odors were noted at CTMMW-03, CTMMW-06, CTMMW-07 and CTMMW-08. During groundwater sampling, monitoring wells CTMMW-03, CTMMW-06, CTMMW-07, CTMMW-08 and MW-3 exhibited a solvent type odor, with the odors at MW-3 being subjectively milder.

At the off-site wells during well development and sampling, CTMMW-09, CTMMW-10 and CTMMW-12 exhibited faint solvent-type odors, no odors were noted at CTMMW-11.

## 5.6 Soil Vapor/Ambient Air Assessment

### 5.6.1 VOCs in On-Site Soil Vapor and Outdoor Air

#### Soil Vapor

One or more of seventeen (17) different VOCs were detected in each of the soil vapor samples. Five (5) VOCs were detected in SV03 located on the west side of the site adjacent to the building. Tetrachloroethene was the VOC with the highest concentration in this sample, detected at 7.59 ug/m<sup>3</sup>; total VOC concentration in this sample was 15.38 ug/ m<sup>3</sup>. SV04, located on the north side of the property had the next highest total VOC concentration. Nine VOCs were detected at a total concentration of 130.74 ug/m<sup>3</sup>; with the highest individual VOC detection being tetrachloroethene at 83.4 ug/m<sup>3</sup>. SV01 and SV02 were located near the southern property line, SV01 in the southeast corner and SV02 in the southwest corner, and had significantly higher total VOC detections. At SV01, total VOC detections were measured at 2,306.9 ug/m<sup>3</sup> with tetrachloroethene being the highest detection by several orders of magnitude at 2,180 ug/m<sup>3</sup>; with vinyl chloride, acetone, cis-1,2-dichloroethene, benzene, trichloroethene and toluene making up the remainder. At SV02, total VOCs detections were 6,111.5 ug/m<sup>3</sup> with tetrachloroethene being the highest VOC detection at 3,860 ug/ m<sup>3</sup> followed by trichloroethene at 1,140 ug/m<sup>3</sup>, cis-1,2-dichloroethene at 1,050 ug/m<sup>3</sup>, and trans-1,2-dichloroethene at 61.5 ug/m<sup>3</sup>.

Decision matrices are risk management tools, developed by the NYSDOH in conjunction with other agencies, to provide guidance on a case-by-case basis about actions that should be taken to address current and potential exposures related to soil vapor intrusion. The matrices are intended to be used when evaluating the results from buildings with full slab foundations. However, soil vapor samples collected during the RI were from areas outside the building in an attempt to initially characterize the potential issues with soil vapor in future buildings constructed on-site.

In May 2017, the NYSDOH updated the format of the decision matrices based on reviews of toxicity data, risk assessments, and soil vapor intrusion data collected in New York State over the past decade. NYSDOH has assigned eight (8) volatile chemicals to three (3) matrices, as summarized below:

Matrix A	- Carbon tetrachloride ** - 1,1-Dicloroethene (11-DCE)** - cis-1,2-Dichloroethene (C12-DCE) - Trichloroethene (TCE)
Matrix B	- Methylene Chloride ** - Tetrachloroethene (PCE) - 1,1,1-Trichloroethane (111-TCA)**
Matrix C	- Vinyl Chloride**

\*\* Compound not detected above the limit of laboratory detection and not discussed below unless the detection limit is raised above the levels within the NYSDOH Matrices.

Using the matrices and site specific data collected relative to soil vapor only, the following generalized conclusions are drawn relative to actions that may be recommended based on NYSDOH's guidance.

- Carbon tetrachloride was not detected above the limit of laboratory detection but the detection limits were slightly raised up to about 12 ug/ m<sup>3</sup>. Using Matrix A, this uppermost level would be in the lowest to middle category with recommended action of "no further action", "identify source(s) and resample or mitigate", "monitor" or "mitigate" depending on the level in indoor air.
- 1,1-Dicloroethene was not detected above the limit of laboratory detection but the detection limits were slightly raised up to about 8 ug/ m<sup>3</sup>. Using Matrix A, this uppermost level would be in the lowest to middle category with recommended action of "no further action", "identify source(s) and resample or mitigate", "monitor" or "mitigate" depending on the level in indoor air.
- Cis-1,2-Dichloroethene was detected up to about 1,050 ug/ m<sup>3</sup>. Using Matrix A, this uppermost level would be in the highest category with recommended action of "mitigate" depending on the level in indoor air.
- Trichloroethene was detected up to about 1,140 ug/ m<sup>3</sup>. Using Matrix A, this uppermost level would be in the highest category with recommended action of "mitigate" depending on the level in indoor air.
- Methylene chloride was not detected above the limit of laboratory detection but the detection limits were slightly raised up to about 17 ug/ m<sup>3</sup>. Using Matrix B,

this uppermost level would be in the lowest category with recommended action of “no further action” depending on the level in indoor air.

- Tetrachloroethene was detected up to about 3,860 ug/ m<sup>3</sup>. Using Matrix B, this uppermost level would be in the highest category with recommended action of “mitigate” depending on the level in indoor air.
- 1,1,1-Trichloroethane was not detected above the limit of laboratory detection but the detection limits were slightly raised up to about 11 ug/ m<sup>3</sup>. Using Matrix B, this uppermost level would be in the lowest category with recommended action of “no further action” or “identify source(s) and resample or mitigate” depending on the level in indoor air.
- Vinyl chloride was detected at concentrations from non-detect up to 5.11 ug/ m<sup>3</sup> in soil vapor and non-detect in outdoor air. Using Matrix C, this uppermost level would be in the lowest category with recommended action of “no further action” or “identify source(s) and resample or mitigate” depending on the level in indoor air.

#### Outdoor Air

Eight (8) VOCs were detected in the outdoor air sample. The highest detections being ethyl alcohol at 58.2 and acetone at 11.6 ug/ m<sup>3</sup>, making up the majority of the 76.934 ug/m<sup>3</sup> total. The other six (6) VOCs were detected at concentrations ranging from 0.516 to 2.12 ug/ m<sup>3</sup>. The NYSDOH has indoor air guidance values for tetrachloroethene (30 ug/ m<sup>3</sup>) and trichloroethene (2 ug/ m<sup>3</sup>), but these guidance values don't apply to outdoor air. However, for comparative analysis, tetrachloroethene was detected at 0.678 ug/ m<sup>3</sup> and trichloroethene was non-detect at 0.107 ug/m<sup>3</sup>, both of which are below indoor air guidance values.

#### **5.6.1 VOCs in Off-Site Soil Vapor and Outdoor Air**

One or more of thirteen (13) different VOCs were detected in each of the soil vapor samples. Ten (10) VOCs were detected in SV05 located on the west side of the off-site property. Tetrachloroethene was the VOC with the highest concentration in this sample, detected at 74.6 ug/m<sup>3</sup>; total VOC concentration in this sample was 122.03 ug/ m<sup>3</sup>. Twelve (12) VOCs were detected in SV06 located on the east side of the off-site

property at a total concentration of 254.13 ug/m<sup>3</sup>; with the highest individual VOC detection being tetrachloroethene at 198 ug/m<sup>3</sup>.

Using the NYSDOH matrices to focus on certain compounds, the following compounds were checked for categorizing potential recommended actions on the basis of soil vapor concentrations.

- Carbon tetrachloride was not detected above the limit of laboratory detection with the highest detection limit about 1.26 ug/ m<sup>3</sup>, down from the highest detection limit of 12 ug/ m<sup>3</sup> on-site.
- 1,1-Dichloroethene was not detected above the limit of laboratory detection with the highest detection limit about 0.793 ug/ m<sup>3</sup>, down from the highest detection limit of 8 ug/ m<sup>3</sup> on-site.
- Cis-1,2-Dichloroethene was not detected above the limit of laboratory detection with the highest detection limit about 0.793 ug/ m<sup>3</sup>, down from the highest detection of 1,050 ug/ m<sup>3</sup> on-site.
- Trichloroethene was not detected above the limit of laboratory detection with the highest detection limit about 1.07 ug/ m<sup>3</sup>, down from the highest detection of 1,140 ug/ m<sup>3</sup> on-site.
- Methylene chloride was not detected above the limit of laboratory detection with the highest detection limit about 1.07 ug/ m<sup>3</sup>, down from the highest detection of 17 ug/ m<sup>3</sup> on-site.
- Tetrachloroethene was detected up to about 198 ug/ m<sup>3</sup>, which is down from 3,860 g/ m<sup>3</sup> on-site.
- 1,1,1-Trichloroethane was not detected above the limit of laboratory detection with the highest detection limit about 1.09 ug/ m<sup>3</sup>, down from the highest detection limit of about 11 ug/ m<sup>3</sup> on-site.
- 1,1,1-Trichloroethane was not detected above the limit of laboratory detection with the highest detection limit about 1.09 ug/ m<sup>3</sup>, down from the highest detection limit of about 11 ug/ m<sup>3</sup> on-site.

- Vinyl chloride was not detected above the limit of laboratory detection with the highest detection limit about 0.511 ug/ m<sup>3</sup>, down from the highest detection limit of about 5 ug/ m<sup>3</sup> on-site.

Five (5) VOCs were detected in the outdoor air sample. The highest detections being acetone at 5.65 ug/ m<sup>3</sup>, making up the majority of the 10.862 ug/m<sup>3</sup> total. The other four (4) VOCs were detected at concentrations ranging from 0.772 to 2.17 ug/ m<sup>3</sup>. The NYSDOH has indoor (not outdoor) air guidance values for tetrachloroethene (30 ug/ m<sup>3</sup>) and trichloroethene (2 ug/ m<sup>3</sup>). Tetrachloroethene was non-detect at 1.36 ug/ m<sup>3</sup> and trichloroethene was non-detect at 1.07 ug/ m<sup>3</sup>.

## **5.7 Data Usability Summary Reports**

All of the on-site investigation analytical data has been independently validated in accordance with NYSDEC DUSR requirements. The analytical results tabulated herein reflect the results of the DUSRs and have been appropriately qualified. The DUSRs are presented in Exhibit B of this report. None of the laboratory data was rejected.

## **5.8 Summary of Extent of Contamination**

### **5.8.1 Surface Soils**

No VOCs were detected in surface soil samples SS01 and SS05. A total of four (4) VOCs were detected in the remaining three surface soil samples, all at concentrations below their UUSCO.

A total of twenty-one (21) SVOCs were detected in the surface soil samples. None of the SVOC detections were above UUSCOs samples SS01 through SS04. Three SVOCs detected in SS05 were above their RRSCO; benzo(a)anthracene, benzo(b)fluoranthene and indeno(1,2,3-cd)pyrene.

A total of two (2) PCBs were identified above laboratory method detection limits in all the surface soil samples except for SS03. However, total PCB detections in each of the surface soil samples were below the UUSCO.

A total of nineteen (19) metals were detected in surface soil samples. The only exceedance of RRSCOs was the detection of copper in SS01. The majority of detections were also below their UUSCOs, except for lead at SS04 and SS05 and mercury at SS02.

No odors or staining were observed in any of the surface soil samples collected and PID meter headspace screening results were all less than 1.5 ppm above background concentrations.

### **5.8.2 Subsurface Soils**

One or more of twelve (12) TCL VOCs were detected in each subsurface soil sample collected except for the sample from GP07D. The RRSCO for tetrachloroethene was exceeded at GP03, GP04, GP05, GP06 and GP08; trichloroethene at GP06; vinyl chloride at GP04, GP05 and GP07; and cis-1,2-dichloroethene at GP07 (2.5-5'). No SVOCs, PCBs, pesticides or metals were detected at concentrations exceeding their RRSCOs in the subsurface soil samples.

In the sump pellets and sump soil samples, tetrachloroethene and trichloroethene exceed their RRSCOs. No SVOCs, PCBs, or pesticides exceeded their RRSCOs in the sump pellets and sump soil samples. Copper and mercury were detected at concentration exceeding their RRSCOs in the sump soil sample.

Petroleum type odors were noted in some of the soil samples collected at GP01 and GP02. At GP03 through GP08, solvent-type odors were noted in the soils beginning from as shallow as right below the concrete floor and extended to between 12.5 and 15 feet below grade, with PID readings as high as 6,100 ppm, and in general the highest PID readings were present just above the gray silt/clay layer present at 13-15 feet below grade. No odors or staining were noted in or below this soil layer, and PID meter readings drastically decreased at these depths.

Off-site, solvent-type odors were noted in the soils at GP09 and GP10. No odors were noted in the soils from GP11. Petroleum-type odors were noted in the soils from GP12 from 7.5-12.5 feet below grade.

### 5.8.3 Groundwater

#### On-site

Benzene was detected in CTMMW-01 above the groundwater SCG of 1.0 ug/l. Tetrachloroethene was the only VOC detected above SCGs in the sample collected from CTMMW-07D. At the remaining monitoring wells groundwater SCGs were exceeded for tetrachloroethene, vinyl chloride (except at CTMMW-03), trichloroethene and cis-1,2-dichloroethene (except at CTMMW-03). Total detected VOC concentrations were highest at CTMMW-07 and CTMMW-06 inside the building near the two sump pits within the concrete floor. In general, as distance from these locations increases, total VOC concentrations decreases.

CTMMW-07 had the highest overall SVOC concentration among all the wells and a total of six SVOCs exceeded their groundwater SCGs including bis(2-chloroethyl)ether, bis(2-ethylhexyl)phthalate, phenols, naphthalene, benzo(a)anthracene and benzo(b)fluoranthene. Two to four SVOCs exceeded their groundwater SCGs in CTMMW-03, CTMMW-06, CTMMW-08 and MW-3.

Groundwater samples from CTMMW-05, CTMMW-06 and CTMMW-07 had PCB detections exceeding their groundwater SCGs.

Thirteen metals exceeded their applicable groundwater SCGs in various wells.

Groundwater from CTMMW-01 and MW-3 was noted to have a slight sheen. Groundwater from CTMMW-01 exhibited a solvent and petroleum-type odor. Groundwater from monitoring wells CTMMW-03, CTMMW-06, CTMMW-07, CTMMW-08 and MW-3 exhibited a solvent type odor, with the odors at MW-3 being subjectively milder.

#### Off-site

CTMMW-11 did not have any VOC detections that exceeded their applicable groundwater SCGs. At the remaining monitoring wells CTMMW-09, CTMMW-10 and CTMMW-12 groundwater SCGs were exceeded for tetrachloroethene, vinyl chloride, trichloroethene and cis-1,2-dichloroethene. Total detected VOC concentrations were highest at CTMMW-10 (89,250 u/l).

#### 5.8.4 Soil Vapor

##### On-site

One or more of seventeen (17) different VOCs were detected in each of the soil vapor samples. Five (5) VOCs were detected in SV03 with Tetrachloroethene being the highest. Nine VOCs were detected in SV04 with the highest individual VOC detection being tetrachloroethene. SV01 and SV02 had significantly higher total VOC detections. At SV01 total VOC detections were measured at 2,306.9 ug/m<sup>3</sup> with tetrachloroethene being the highest detection. At SV02 total VOCs detections were 6,111.5 ug/m<sup>3</sup> with tetrachloroethene being the highest.

Eight (8) VOCs were detected in the outdoor air sample. The highest detections being ethyl alcohol and acetone making up the majority of the total.

##### Off-site

One or more of thirteen (13) different VOCs were detected in each of the soil vapor samples. Ten (10) VOCs were detected in SV05 located on the west side of the off-site property with Tetrachloroethene being highest concentration. Twelve (12) VOCs were detected in SV06 again with the highest individual VOC detection being tetrachloroethene.

Five (5) VOCs were detected in the outdoor air sample. The highest detections being acetone making up the majority of the total.

##### On-site and Off-site Comparison

From a relative comparison between on-site soil vapor samples and off-site soil vapor samples, it is clear there are more detections and higher concentrations of dry cleaning related contaminants in the on-site samples. Also, the soil vapor samples west and north of the site building (SV03 and SV04, respectively) were generally lower concentrations of detections than the other two on-site samples SV01 and SW02. The dry cleaning related chemicals at SV02 were slightly higher than those as SV01, but both indicative of concentrations that would warrant mitigation if beneath an occupied building when indoor air samples also detected the same compounds. Indoor air samples were not collected as part of the RI, because of the high probability of the site

building being demolished and expected remediation of subsurface soils under the building slab.

#### **5.9 Past Site Activities Relative to Site Contaminants**

The property was previously occupied by a dry cleaning business. Chlorinated solvents are a typical contaminant of concern associated with historical dry cleaning operations, which have been identified in site soil above RRSCOs, in groundwater above SCGs and also in soil vapor at relatively elevated levels.

## **6.0 CONTAMINANT FATE AND TRANSPORT**

### **6.1 General Overview**

Site related contaminants in soils are defined as the compounds exceeding RRSCOs including SVOCs and metals in surface soil; PCBs and VOCs in subsurface soil; and pesticides, PCBs, metals and VOCs in sump soil. Site related contaminants in groundwater are defined as those compounds exceeding groundwater standards including VOCs, SVOCs, PCBs and metals. The primary contaminants of concern are VOCs, specifically chlorinated solvents. Contaminates detected in sump soil are not discussed herein because of being contained in the building sump with no obvious outlet.

The fate and transport of the contaminants are based on the physical and chemical properties of the compounds and the site characteristics. This section defines and discusses the general characteristics of the contaminants which affect the fate and transport, the specific characteristics of the contaminants identified within the site, the site conditions which impact fate and transport, the transport off-site of the contaminants within the subsurface soils/fill, groundwater and soil vapor, and the fate of the contaminants in terms of transformation and degradation.

### **6.2 Definition of Relevant Properties**

Characteristics which affect fate and transport include the compound's or analyte's density, organic carbon/water partition coefficient, solubility in water, volatility, and degradability. The following table (Table 6.2-1) presents various properties of the known contaminants of concern identified on the Site. The specific gravity of a contaminant describes the weight of the contaminant relative to water, where one (1.0) is the weight of water. Contaminants with a value less than one would tend to be located in the upper portions of the aquifer, contaminants with a value greater than one would tend to migrate vertically downward.

<b>TABLE 6.2-1: Physical and Chemical Properties of Site Contaminants</b>					
<b>Compound</b>	<b>Density</b>	<b>Kow<sup>(1)</sup></b>	<b>Koc<sup>(2)</sup></b>	<b>Water Solubility<sup>(3)</sup></b>	<b>Henry's Law Constant<sup>(4)</sup></b>
<b>Volatile Organic Compounds: (none in surface soil)</b>					
Tetrachloroethene	1.6227	2.60	2.42	1.4E+01	1.53E-02
Vinyl chloride	0.9106	0.60	0.39 E	1.10E+03	1.22E+00
Trichloroethene	1.4642	2.53	2.03	1.10E+03	9.10E-03
cis-1,2-Dichloroethene	1.2873	1.86	1.69 E	6.41E+03	4.08E-03
<b>Semi-Volatile Organic Compounds: (none in subsurface soil)</b>					
Benzo(a)anthracene	1.2740	5.9	6.14	1.20E-02	2.3E-06
Benzo(b)fluoranthene	NDA	6.57	5.74	1.40E-02	1.20E-05
Chrysene	1.2740	5.61	5.39	1.80E-03	7.26E-20
Indeno(1,2,3-cd)pyrene	0.0620	7.0	7.49 E	6.20E-02	2.96E-20
Naphthalene	1.1450	3.36	3.11	3.00E+01	4.60E-04
Bis(2-chloroethyl)ether	1.2199	1.35	1.15	1.02E+04	1.30E-05
Bis(2-ethylhexyl)phthalate	0.9873	4.65	5.00	3.00E-01	1.10E-05
Phenol	1.0576	1.46	1.43	8.20E+04	2.47E-05
<b>PCBs: (not in surface soil)</b>					
Aroclor 1254	1.5050	6.47	5.61	5.00E-02	2.70E-03
Aroclor 1260	1.5660	6.91	6.42 E	8.00E-02	7.10E-03
<b>Pesticides: (subsurface soils only)</b>					
4,4-DDD	1.4760	5.99	4.64 E	2.00E-02	2.16E-05
<b>Metals<sup>(5)</sup>: (none in subsurface soil)</b>					
Arsenic (GW only)	5.97	NDA	NDA	Mostly Insoluble	NDA
Barium (GW only)	3.551	NDA	NDA	Insoluble	NDA
Beryllium (GW only)	1.85	NDA	NDA	Insoluble	NDA
Chromium (GW only)	7.19	NDA	NDA	Insoluble	NDA
Copper	8.96	NDA	NDA	Insoluble	NDA
Iron (GW only)	7.87	NDA	NDA	Soluble	NDA
Lead	11.34	NDA	NDA	Insoluble	NDA
Magnesium (GW only)	1.74	NDA	NDA	NDA	NDA
Manganese (GW only)	7.26	NDA	NDA	Decomposes	NDA
Mercury	13.59	5.95	NDA	Insoluble	NDA
Nickel (GW only)	8.91	NDA	NDA	Depends on Form	NDA
Selenium (GW only)	4.819	NDA	NDA	Insoluble	NDA
Sodium (GW only)	0.97	NDA	NDA	Soluble	NDA

**References:**

Superfund Public Health Evaluation Manual; EPA/540/189/002; Hawley's Condensed Chemical Dictionary, Twelfth Edition; Howard, Philip H., Fate and Exposure Data for Organic Chemicals. Vols. 1&2.

1989; and Robert C. Knox and others, *Subsurface Transport and Fate Processes*, 1993; Wilson & Clarke, *Hazardous Waste Site Soil Remediation, Theory and Application of Innovative Technologies*, 1994; *Groundwater Chemicals Desk Reference*, Fourth Edition, 2007, Montgomery, John H.

Online National Institute of Health PubChem Open Chemistry Database.

Online Center for Disease Control Agency For Toxic Substances And Disease Registry.

NDA denotes no data available in cited references.

- (1) Log octanol/water partition coefficient.
- (2) Log organic carbon partition coefficient. Often a range is available rather than a single number.
- (3) mg/l at 25 degrees C.
- (4) Henry's Law constant, atm-m<sup>3</sup> / mole.
- (5) The solubility of metals is highly dependent on the form of the metal compound present.

E denotes estimated.

### 6.3 Contaminant Persistence

The organic carbon/water partition coefficient (K<sub>oc</sub>) indicates the tendency of an organic contaminant to sorb onto soil particles. Where the K<sub>oc</sub> is not experimentally available, it can be calculated based on the log octanol/water partition coefficient. The K<sub>oc</sub> multiplied by the organic carbon content of a given soil or sediment gives the estimated absorption partition coefficient (K<sub>d</sub>) for that soil or sediment. Some absorption may occur between contaminants and inorganic soil particles, particularly clay. However, experimental data indicates that the absorption of nonionic, undisassociated chemicals to inorganic soil is low. Once the sorption sites in soil are used up, mobility in the water column and groundwater may increase to some extent.

Mobility is expected to be lowest in surface soils, which tend to have some organic carbon. Below several feet in depth, the organic carbon content of soils is likely to be low, and even a compound with a high K<sub>oc</sub> will be moderately mobile. The VOCs and SVOCs have a range of organic carbon partition coefficients, from 0.39 for vinyl chloride (VOC) indicating low sorption and high mobility to 7.49 for Indeno(1,2,3-cd)pyrene (SVOC) indicating higher sorption and lower mobility in soil.

The mobility of metals is affected by geologic conditions and is often gauged by the environment's oxidation/reduction (redox) potential. As the pH and dissolved oxygen vary, the solubility of metals can change substantially. Generally, but not always, reductive conditions favor the dissolved form of the metal, thus a change toward reducing conditions would make the metals more soluble and possibly more mobile. Generally, but not always, reductive conditions favor the solid phase of the metal, so a change toward reducing conditions can precipitate soluble metals, making them

immobile.

Water solubility indicates the tendency of a compound to dissolve in and travel in water. The site contaminants (except for metals) have a wide range of solubilities, but are generally soluble. When contaminant concentrations are above approximately ten percent of the water solubility, a separate phase will tend to form. The water solubility values of the volatile organic contaminants in groundwater vary, but are on the order of 140 to 6,410 mg/l. The water solubility values of the semi-volatile organic contaminants in groundwater vary, but are on the order of 0.0018 to 84,000 mg/l. Since the concentration of contaminants detected at the site are less than their corresponding water solubility values, separate phase layers are not likely to exist within the site except for tetrachloroethene. Most of the metals of concern are nearly insoluble in water, except for sodium, which readily dissolves in water and not considered a contaminant of concern.

Volatility in diffuse aqueous conditions such as those that occur in groundwater at the subject Site is quantified by Henry's constant ( $K_H$ ). The rate of volatilization increases as  $K_H$  increases. Volatility increases with decreases in atmospheric pressure, increase in temperature and when the compound vapor pressure is low relative to saturation. The contaminants of concern (except for metals, which are not volatile) consist of VOCs and SVOCs in soil and groundwater. These constituents may volatilize to some degree when unsaturated vapor, such as soil gas or the open atmosphere, are present.

Due to the chemical composition of metals, they do not typically biodegrade. Volatile organic compounds biodegrade at an accelerated rate, primarily under aerobic conditions. Semi-volatile organic compounds biodegrade at a decelerated rate, primarily under anaerobic conditions. Biodegradation of VOCs and SVOCs in native soils, fill/soil and groundwater has been found to occur under anaerobic and to a lesser extent aerobic conditions, such as occurs in groundwater. The presence of acclimatized microbes enhances biodegradation of the VOCs and SVOCs. Acclimatized microbes are soil micro-organisms which have adapted themselves to the contaminants by producing enzymes to withstand toxic effects and to allow metabolism of the contaminants. Addition of nutrients would be expected to increase the rate of biotic degradation.

## **6.4 Contaminant Migration**

The potential routes of contaminant migration are through groundwater and the atmosphere. Depending on their solubility, contaminants could dissolve in groundwater and be transported in the direction of groundwater flow, which is occurring at the Site based on off-site groundwater analytical data.

Contaminants present in the vapor phase of the unsaturated soil/fill zone (mainly chlorinated VOCS) could vertically migrate to the open atmosphere. Contaminants were confirmed to be present in the subsurface soils (around 2 feet below grade) through subgrade vapor sampling. However, the outdoor air sample had non detect or low levels of chlorinated VOCs suggesting that contaminants were not migrating into the open atmosphere.

Contaminants in surface soils could be transported to the atmosphere in the form of dust particulates should this media be disturbed. Nothing is occurring on the Site that is disturbing Site surface soils.

### **6.4.1 Groundwater Migration**

Due to the presence of heavier than water volatile organic compounds, migration of these contaminants may be occurring within lower portions of the aquifer. It is expected that these compounds, after migrating downward into the water table, will migrate in the direction of groundwater flow. The majority of the detected metals (with the exception of sodium) are insoluble in water and tend to adsorb and/or absorb to surrounding soil and fill particles; indicating a low propensity to migrate in the direction of groundwater.

Groundwater beneath the site generally flows towards the Hunger Kill. Physical and chemical factors affecting the migration rate of contaminants include: the historical disposition of fill materials; natural biodegradation; bio-accumulation by organic materials; sorption onto soil and fill particles; and volatilization into the vadose zone and the unsaturated soils.

### **6.4.2 Atmospheric Migration**

VOCs in soil vapor originating from subsurface soils and groundwater may diffuse

slowly upward and horizontally to unsaturated soil vapor. The rate of diffusion into the atmosphere depends on the differential in vapor saturation and on the atmospheric pressure. Under natural soil conditions, the differential is expected to be low within the soil and vadose zone. At the soil/atmosphere interface, the differential can change frequently, with great increases in differential causing contaminants to transport readily from surface soil to the atmosphere. Site contaminants, which may volatilize from the soils to the atmosphere will disperse or abiotically degrade, with rates dependent on wind speed and levels of atmospheric radicals, respectively. Since the levels of contaminants in subsurface soil are relatively high and there are several VOCs above SCGs in groundwater, VOC contaminants in the atmosphere could be expected to accumulate at detectable levels under existing conditions inside the building. Metals and PCBs do not exhibit volatility and therefore would not likely enter the atmosphere unless Site soils were disturbed in an uncontrolled manner such that dust particles with metals adhered to them enter the atmosphere.

## 7.0 EXPOSURE ASSESMENT

### 7.1 Qualitative Exposure Assessment

The purpose of the qualitative exposure assessment is to evaluate the potential for human exposure from site related contamination without any additional remediation. In performing the qualitative exposure assessment, the potential site related contaminants and the actual or potential exposure pathways were identified. The potentially exposed populations and the extent of actual or potential exposure were also evaluated.

The potential site-related contaminants were identified as those contaminants detected in various media at the site above RRSCOs and groundwater standards. Potential exposure pathways for site contaminants are a function of the contaminant, the affected media, contaminant location and the potentially impacted population. The present potential exposure routes and pathways include the following:

- dermal contact and/or ingestion of contaminated soil on-site;
- dermal contact and/or ingestion of contaminated groundwater generated from potential leaching of contaminants during storm water infiltration/percolation and then migrating with groundwater; and
- inhalation of dust and/or vapor emissions transported by wind.

The potential impacted populations at the site and vicinity include residents in the neighboring community, site visitors, trespassers on the site, workers engaged in subsurface excavation or other ground disturbance activity and construction workers during future site development.

SVOCs and metals were detected in surface soils; PCBs and VOC were detected in subsurface soils; and pesticides, PCBs, metals and VOCs were detected in sump soils at concentrations exceeding RRSCOs. Disturbance of the surface and subsurface soils during future construction activities could potentially create airborne contaminants that may be inhaled and/or ingested. The potential for dermal contact, inhalation and

ingestion of the impacted surface and subsurface soil is, therefore, anticipated to be high during construction activities but remains low at present.

VOCs, SVOCs, PCBs and metals were detected in groundwater at concentrations exceeding groundwater standards. Ingestion of the contaminated groundwater is unlikely since the area surrounding and downgradient of the Site is serviced by public water and no private water supply wells are known to exist on or in the vicinity of the Site. Groundwater may be encountered during Site redevelopment and the potential for dermal contact and ingestion for Site construction workers is viewed as high. The potential for volatilization of groundwater contaminants into structures constructed in the future on the Site, and the impact of the VOC to future occupants of Site structures, is viewed as high.

## **8.0 SUMMARY AND CONCLUSIONS**

### **8.1 Summary**

The remedial investigation work tasks have been completed in substantial conformance with the RIWP for the Site, dated October 2017. Any deviations to the Work Plan have been discussed within the body of this report, but were primarily related to the following:

- Adjusting the installation depth of the monitoring wells because of encountering a confining clay/silt layer around 15 feet below grade.
- Installing a monitoring well within the water bearing unit below the confining clay/silt layer starting around 15 feet below grade to determine if the lower water bearing unit has dry cleaning related contamination.
- Testing the contents of one of the building sumps for hazardous waste characteristics.
- Completing off-site investigation south of the BCA boundary site to determine the potential for off-site impacts relative to soil vapor and groundwater.

### **8.2 Conclusions**

The remedial investigation consisted of sampling of the site's soil vapor, surface soil, subsurface soil and groundwater for determining the nature and extent of site contamination as a follow-up to contamination that was identified through the completion of investigations of the site prior to being within the BCP. The BCP investigation did not identify obvious sources of petroleum or chemical contamination such as petroleum storage tanks (either aboveground or below). However, considering the data collected at the site (and off-site) there appears to be a correlation between the operations that were assumed to be undertaken in the building (i.e., dry cleaning) and impacts identified beneath the building in soil and groundwater. These impacts were mostly chemical compounds known to be used in dry cleaning, this being primarily tetrachloroethene (PCE), vinyl chloride, trichloroethene (TCE) and Cis-1,2-

dichloroethene (Cis-1,2-DCE), and appear to be a current source of subsurface contamination.

The contaminants detected in subsurface soil and groundwater appear to be contained to the upper or first water bearing zone. There is a distinct confining clay/silt layer starting at about 15 feet below grade that seems to be limiting the downward transport of the dry cleaning chemicals which tend to sink in water due to their known physical properties. This was further verified by the installation of a monitoring well through the confining clay/silt layer, which was sealed off in a manner to sample the next water bearing zone beneath the clay/silt layer. Groundwater samples tested from this deeper well were nearly non-detect (17.55 ug/l) for the four (4) dry cleaning chemicals identified above while the detections in the shallow well adjacent to this well in the first water bearing zone for the same four constituents were relatively high at 233,900 ug/l.

The building has what appear to be several floor drains or sumps in the existing concrete floor slab. Although unconfirmed without cleaning out the drains/sumps, their construction likely allows for a pathway where interior chemical usage can travel through to the building's underlying soil and groundwater. This belief was explored by collected and analyzing the sediment that was contained within one of the building sumps, that was underneath a black pellet-like shaped material. The results of the TCLP and RCRA Characteristics indicated that the sediment would likely need to be characterized as hazardous waste based on tetrachloroethene and trichloroethene exceeding its TCLP regulatory level.

The following subsections provides specific information relative to the potential remedial actions for each media at the site.

### **8.2.1 Soil Vapor**

Soil vapor at the site, as collected from locations around the building, have elevated detections of certain VOCs and those common dry cleaning chemicals. Although this finding is helpful in categorizing the environmental impacts at the site, this information should not automatically constitute the need for remedial action for soil vapor or installation of vapor mitigation in future buildings. Given the expected remedial actions to be implemented, which would likely include soil removal and possibly

groundwater treatment, the soil vapor at the site must be retested after successful implementation of a remedial program.

In addition, there appears to be similar chemicals present in soil vapor and groundwater samples collected south of the BCP subject site (off-site), but in most cases to a lesser degree or concentration. Considering the inferred groundwater flow direction identified during this remedial investigation, this suggests that the contamination detected south of the BCP subject site is likely related to and the result of subsurface contaminant migration via groundwater flow atop of the confining clay/silt layer found at about 15 feet below grade (as opposed to off-site surface related activities causing such contamination).

### **8.2.2 Surface Soil**

Surface soil at the site appears to be marginally impacted based on most of the detected contaminants concentrations were below their respective UUSCOs. There were isolated detections of three VOCs in surface soil sample SS05, copper in surface soil sample SS01, lead in surface soil sample SS04 and SS05, and mercury in surface soil sample SS02, which may limit the ability to use existing surface soils as an acceptable surface cover material, but would likely not require any remedial action specific to surface soil.

### **8.2.3 Subsurface Soil**

Subsurface soil at the site was found to be impacted primarily within the building footprint within the various depths down to about 10 feet below grade based on samples collected and analyzed. Using field screening equipment for further assessment for organic vapors, the impacts extended deeper than 10 feet below grade but quickly diminished within the confining clay/silt layer generally starting at 15 feet below grade. Soil samples from the 15 to 17.5 feet below grade interval at GP07 were analyzed for project parameters, and most parameters were non-detect, and the balance were detected below their UUSCO values confirming the absence of contamination within the confining clay/silt layer. Furthermore, a soil sample was collected from the 37.5 to 40 feet below grade interval at GP07D and nothing was detected above the laboratory detection limit except for metals, and those metals' detections were below their UUSCO values.

#### **8.2.4 Groundwater**

Groundwater at the site was found to be impacted with dry cleaning chemicals, most significantly within the general footprint of the southern half of the building, and centralizing on monitoring well CTMMW-07. There were other contaminants in groundwater like a few SVOCs, PCBs and metals, but the dry cleaning contaminants (tetrachloroethene, vinyl chloride trichloroethene and cis-1,2-dichloroethene) were still the most significant contaminants with the contaminant plume. The contaminant plume decreases with distance from CTMMW-07, but contaminated groundwater does exist beyond the property boundary mainly to the south.

The remedial investigation detected relative high concentration of dry cleaning chemicals in groundwater but no evidence of free-phase product was encountered.

#### **8.3 Data Limitations and Disclaimer**

All of the Site investigation analytical data has been independently validated in accordance with NYSDEC DUSR requirements. The DUSRs did not reject any of the analytical data and declared that all analytical results are considered usable with minor edits/qualifications. Modifications of analytical results pursuant to review of the DUSRs have been incorporated where necessary on the analytical summary tables. The narrative portions of the DUSRs are presented in Exhibit 2 of this report.

#### **8.4 Remedial Action Work Plan Strategy**

The remedial action strategy should be focused on addressing the identified soil and groundwater contamination in the immediate area beneath the site building. Once this source of contamination is remediated, analysis of the need for and type of remediation would need to be explored; including possible groundwater treatment and vapor mitigation for future site development.

In order to access the highest level of site impacts, the site building would need to be demolished to be able to address the contaminate source, this being contaminated soil resulting from the assumed direct discharge of dry cleaning chemicals through building sumps into the subsurface. Prior to building demolition, an asbestos containing materials survey would need to be completed to identify the presence of asbestos that

may need to be abated. Also, any materials remaining in building sumps will need to be properly removed prior to concrete floor slab removal.

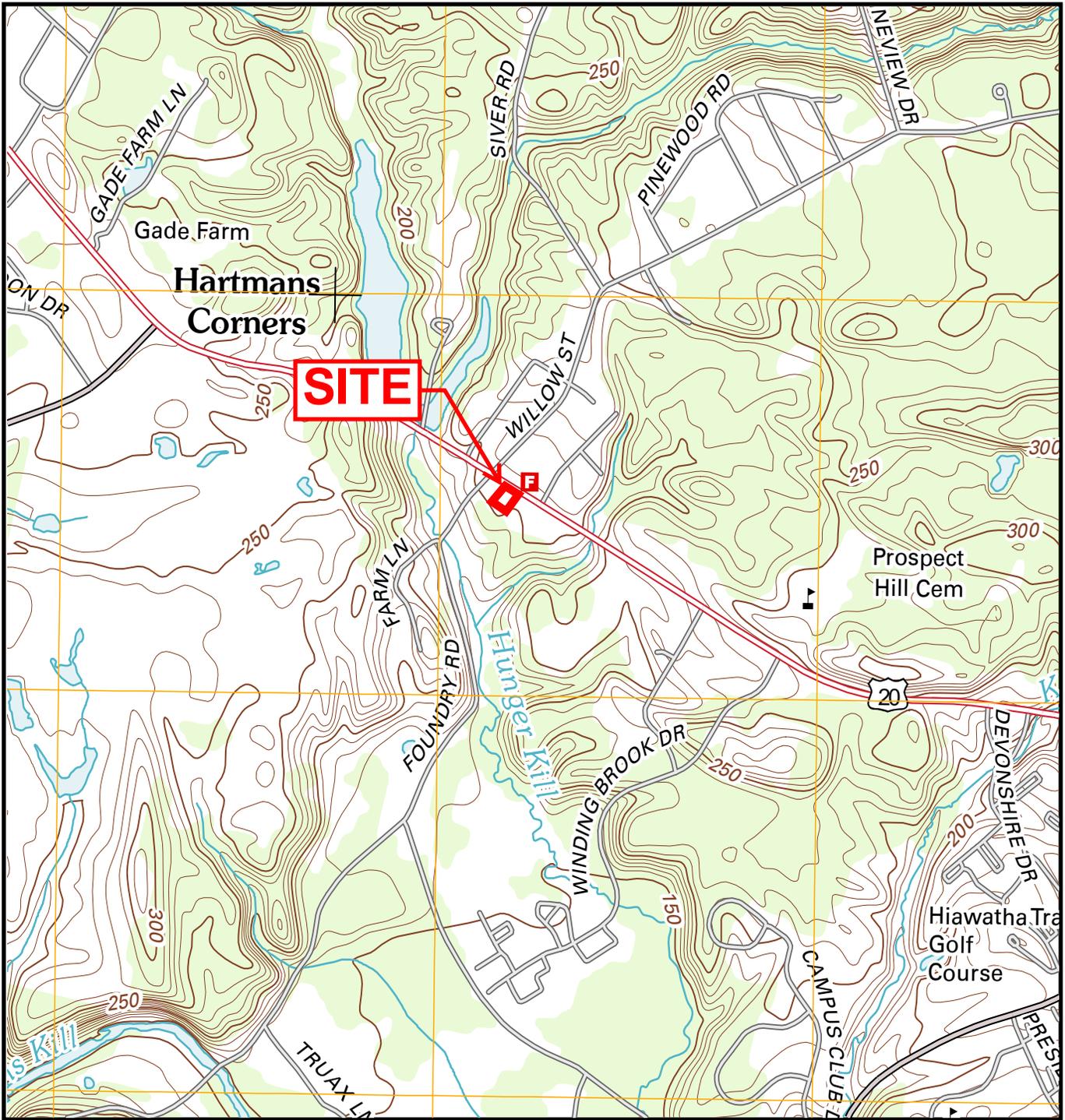
During the excavation of contaminated soils, it is likely that odors/organic vapors would be elevated and special consideration should be given to this mitigating this during work. Some of the soils may need to be handled, stockpiled and disposed of as a hazardous waste which requires additional controls to be in-place during remedial work.

Groundwater treatment should be expected during soil removal. Provisions for treatment must be evaluated as part of the remediation on-site. The need for treatment beyond the property boundaries is possible as contaminated groundwater was detected off-site, south of the site.

The highlights of the remediation strategy detailed above should be used to prepare a Remedial Action Work Plan. This would be the next step towards implementing site cleanup.

## **FIGURES**

- Figure 1 Site Location Map
- Figure 2 Tax Map
- Figure 3 Sampling Location Map
- Figure 4 Groundwater Contour Map (3/23/2018)
- Figure 5 Groundwater Isoconcentration Map



**MAP REFERENCE**

USGS  
 Voorheesville Quad.  
 7.5-Minute Series



ARCHITECTURE &  
 BUILDING SYSTEMS  
 ENGINEERING  
 CIVIL ENGINEERING  
 ENVIRONMENTAL SERVICES  
 SURVEY & LAND  
 INFORMATIONAL SERVICES

**FIGURE 1: SITE LOCATION MAP**

2312 Western Avenue  
 Guilderland, New York

**C.T. MALE ASSOCIATES**

TOWN OF GUILDERLAND

ALBANY COUNTY, NY

SCALE: None

DRAFTER: PAL

PROJECT No. 16.6345

50 CENTURY HILL DRIVE, LATHAM, NY 12110  
 PHONE (518) 786-7400 FAX (518) 786-7299



UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



GENERAL NOTES:  
THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.

MAP REFERENCE:  
AERIAL PHOTOGRAPHY OBTAINED FROM NYS GIS CLEARINGHOUSE WEBSITE.

Date	RECORD OF WORK	Appr.
Drafter: J.MARX	Checker:	
Appr. by:	Proj. No. 16.6345	

**FIGURE 3**  
**SAMPLING LOCATIONS PLAN**  
**2312 WESTERN AVENUE**

TOWN OF GUILDERLAND      ALBANY COUNTY, NY

**C.T. MALE ASSOCIATES**  
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

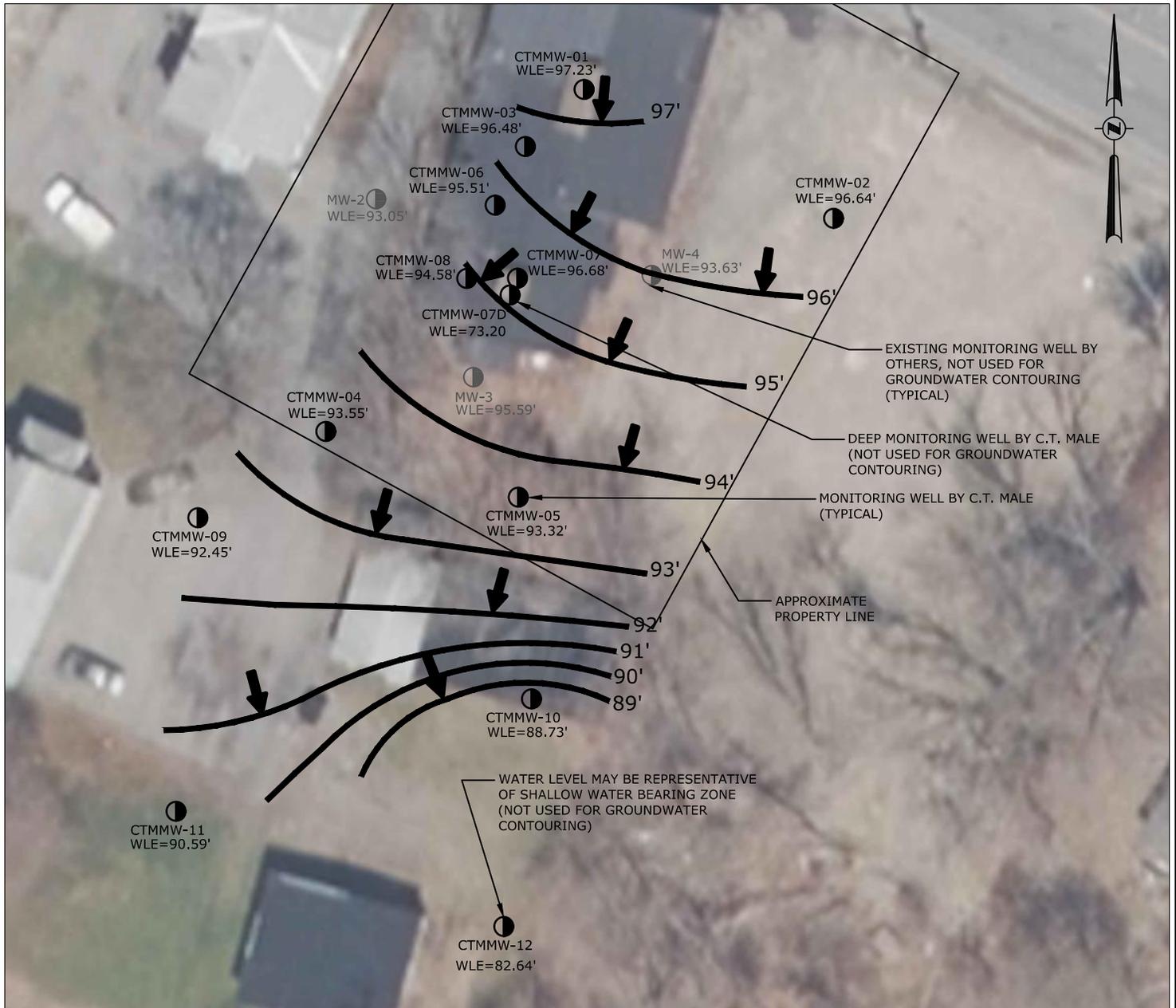
50 CENTURY HILL DRIVE, LATHAM, NY 12110  
518.786.7400 \* FAX 518.786.7299

SCALE: NOT TO SCALE

DATE: DEC. 2018



UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



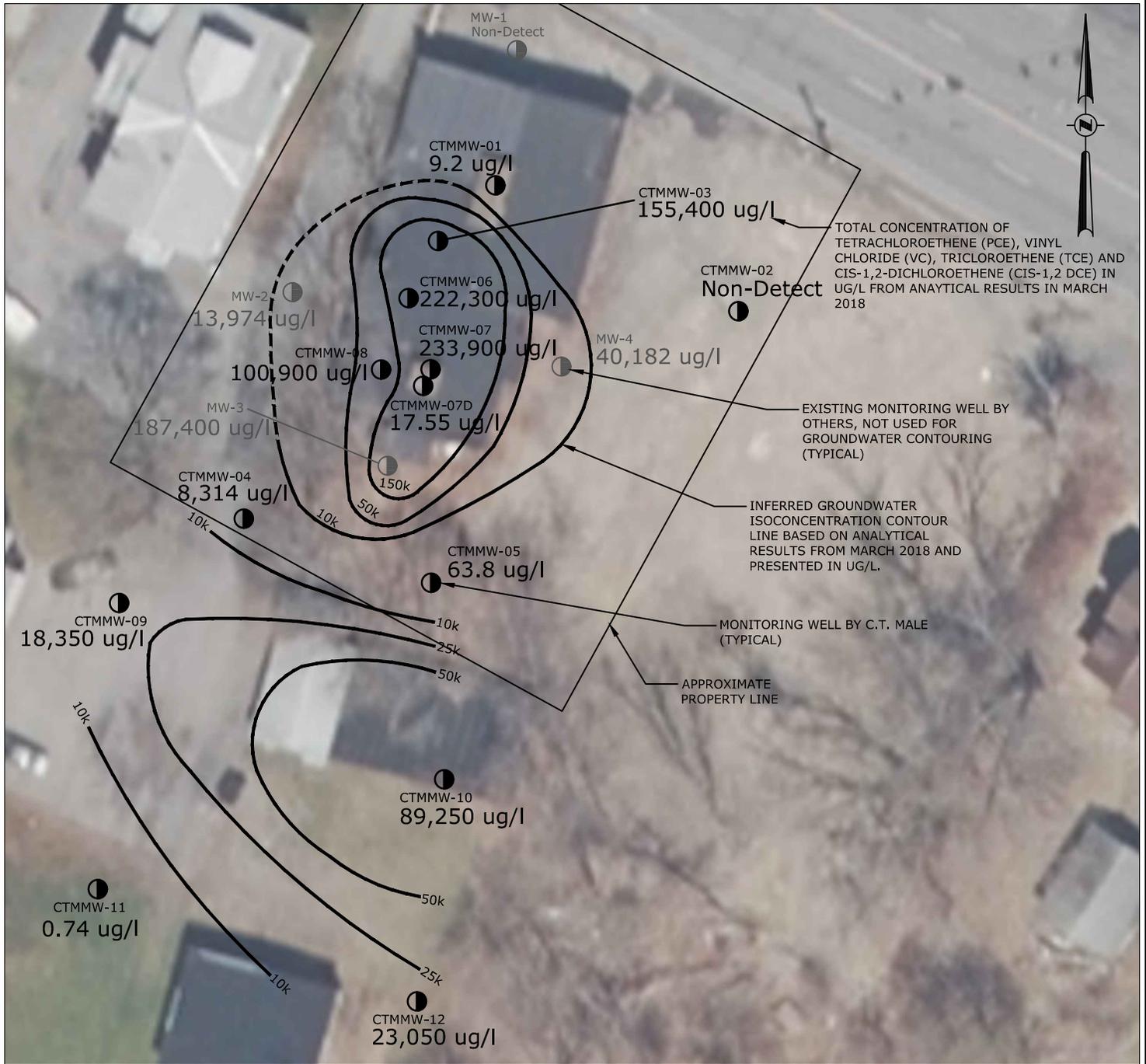
**GENERAL NOTES:**

1. THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.
2. GROUNDWATER DEPTHS FROM EXISTING WELLS NOT USED FOR THE PREPARATION OF THIS GROUNDWATER CONTOUR MAP.
3. GROUNDWATER DEPTH FROM CTMMW-07D WAS NOT USED BECAUSE THE WELL IS SCREENED WITHIN A SEPARATE AND DEEPER WATER BEARING ZONE.
4. GROUNDWATER ELEVATIONS BASED ON ASSUMED BENCHMARK ELEVATION OF 100.00.
5. GROUNDWATER CONTOURS ARE INFERRED.

MAP REFERENCE:  
AERIAL PHOTOGRAPHY OBTAINED FROM NYS GIS CLEARINGHOUSE WEBSITE.

Date	RECORD OF WORK	Appr.	FIGURE 4B GROUNDWATER CONTOUR MAP FOR 6/15/18 2312 WESTERN AVENUE	
			TOWN OF GUILDERLAND	ALBANY COUNTY, NY
			<b>C.T. MALE ASSOCIATES</b> Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.	
			50 CENTURY HILL DRIVE, LATHAM, NY 12110 518.786.7400 * FAX 518.786.7299	
				
Drafter: J.MARX		Checker:		
Appr. by:		Proj. No. 16.6345	SCALE: NOT TO SCALE	DATE: JANUARY 2019

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



**GENERAL NOTES:**

1. THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.
2. GROUNDWATER DEPTHS FROM EXISTING WELLS NOT USED FOR THE PREPARATION OF THIS GROUNDWATER CONTOUR MAP.

**MAP REFERENCE:**

AERIAL PHOTOGRAPHY OBTAINED FROM NYS GIS CLEARINGHOUSE WEBSITE.

**FIGURE 5**  
**GROUNDWATER ISOCONCENTRATION MAP**  
 (PCE, VINYL CHLORIDE, TCE AND CIS-1,2-DCE)  
 2312 WESTERN AVENUE

TOWN OF GUILDERLAND ALBANY COUNTY, NY

**C.T. MALE ASSOCIATES**  
 Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110  
 518.786.7400 \* FAX 518.786.7299



SCALE: NOT TO SCALE

DATE: JUNE 2018

Date	RECORD OF WORK	Appr.
6/21/19	CORRECTED LAB VALUE AT MW-1	J.MARX
Drafter: J.MARX	Checker:	
Appr. by:	Proj. No. 16.6345	

## **TABLES**

- Table 1: Surface Soil - Detections Only
- Table 2: Subsurface Soil - Detections Only
- Table 3: On-Site Groundwater Samples - Detections Only
- Table 4: Off-Site Groundwater Samples - Detections Only
- Table 5: On-Site Soil Vapor and Ambient Air - Detections Only
- Table 6: Off-Site Soil Vapor and Ambient Air - Detections Only

TABLE 1 - SURFACE SOIL - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION						SS01_0-0.17	SS02_0-0.17	SS03_0-0.17	SS04_0-0.17	SS05_0-0.17					
SAMPLING DATE						3/29/2018	3/29/2018	3/29/2018	3/29/2018	3/29/2018					
LAB SAMPLE ID						L1810850-01	L1810850-02	L1810850-03	L1810850-04	L1810850-05					
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL					
SAMPLE DEPTH (ft.)						0-2"	0-2"	0-2"	0-2"	0-2"					
	CasNum	NY-RESC	NY-RESRR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
<b>Volatile Organics by 8260/5035</b>															
Tetrachloroethene	127-18-4	150	19	1.3	mg/kg	0.00082	U	0.0016		0.017		0.035		< 0.001	U
Trichloroethene	79-01-6	200	21	0.47	mg/kg	0.00082	U	0.0008	U	< 0.001	U	0.0059		< 0.001	U
cis-1,2-Dichloroethene	156-59-2	500	100	0.25	mg/kg	0.00082	U	0.0008	U	< 0.001	U	0.0012		< 0.001	U
Methyl Acetate	79-20-9	NS	NS	NS	mg/kg	0.016	U	0.009	J	< 0.02	U	0.016	J	< 0.021	U
<b>Semivolatile Organics by GC/MS</b>															
Acenaphthene	83-32-9	500	100	20	mg/kg	0.092	J	0.15	U	< 0.15	U	0.06	J	0.15	
Fluoranthene	206-44-0	500	100	100	mg/kg	1.4		0.056	J	0.04	J	1		2.9	
Naphthalene	91-20-3	500	100	12	mg/kg	0.18	U	0.19	U	< 0.18	U	< 0.2	U	0.029	J
Bis(2-ethylhexyl)phthalate	117-81-7	NS	NS	NS	mg/kg	0.063	J	0.19	U	< 0.18	U	< 0.2	U	< 0.18	U
Benzo(a)anthracene	56-55-3	5.6	1	1	mg/kg	0.6		0.041	J	0.036	J	0.37		1.1	
Benzo(a)pyrene	50-32-8	1	1	1	mg/kg	0.56		0.051	J	0.047	J	0.34		1	
Benzo(b)fluoranthene	205-99-2	5.6	1	1	mg/kg	0.79		0.07	J	0.05	J	0.44		1.4	
Benzo(k)fluoranthene	207-08-9	56	3.9	0.8	mg/kg	0.23		0.11	U	< 0.11	U	0.16		0.44	
Chrysene	218-01-9	56	3.9	1	mg/kg	0.61		0.038	J	0.037	J	0.34		1.1	
Acenaphthylene	208-96-8	500	100	100	mg/kg	0.058	J	0.15	U	0.038	J	< 0.16	U	0.05	J
Anthracene	120-12-7	500	100	100	mg/kg	0.24		0.11	U	< 0.11	U	0.13		0.41	
Benzo(ghi)perylene	191-24-2	500	100	100	mg/kg	0.36		0.045	J	0.067	J	0.23		0.69	
Fluorene	86-73-7	500	100	30	mg/kg	0.1	J	0.19	U	< 0.18	U	0.067	J	0.18	
Phenanthrene	85-01-8	500	100	100	mg/kg	1		0.11	U	< 0.11	U	0.76		2	
Dibenzo(a,h)anthracene	53-70-3	0.56	0.33	0.33	mg/kg	0.093	J	0.11	U	< 0.11	U	0.042	J	0.14	
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	0.5	0.5	mg/kg	0.41		0.047	J	0.041	J	0.24		0.78	
Pyrene	129-00-0	500	100	100	mg/kg	1.1		0.055	J	0.042	J	0.79		2.2	
Dibenzofuran	132-64-9	350	59	7	mg/kg	0.049	J	0.19	U	< 0.18	U	0.032	J	0.09	J
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	0.21	U	0.22	U	< 0.22	U	< 0.25	U	0.023	J
Carbazole	86-74-8	NS	NS	NS	mg/kg	0.097	J	0.19	U	< 0.18	U	0.061	J	0.18	
Benzaldehyde	100-52-7	NS	NS	NS	mg/kg	0.23	U	0.25	U	< 0.24	U	0.069	J	0.087	J
<b>Polychlorinated Biphenyls by GC</b>															
Aroclor 1254	11097-69-1	1	1	0.1	mg/kg	0.0497		0.00849	J	< 0.0357	U	< 0.0398	U	< 0.0349	U
Aroclor 1260	11096-82-5	1	1	0.1	mg/kg	0.0166	J	0.00524	J	< 0.0357	U	0.00479	J	0.00805	J
Aroclor 1268	11100-14-4	1	1	0.1	mg/kg	0.007	J	0.0368	U	< 0.0357	U	< 0.0398	U	< 0.0349	U
PCBs, Total	1336-36-3	1	1	0.1	mg/kg	0.0733	J	0.0137	J	< 0.0357	U	0.00479	J	0.00805	J
<b>Total Metals</b>															
Aluminum, Total	7429-90-5	NS	NS	NS	mg/kg	3840		7600		5500		7140		5180	
Arsenic, Total	7440-38-2	16	16	13	mg/kg	3.99		4.8		4.5		4.94		2.83	
Barium, Total	7440-39-3	400	400	350	mg/kg	32.2		35.3		41.7		50.8		81.1	
Beryllium, Total	7440-41-7	590	72	7.2	mg/kg	0.214	J	0.361	J	0.16	J	0.318	J	0.478	
Calcium, Total	7440-70-2	NS	NS	NS	mg/kg	51300		7490		43300		31500		175000	
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	7.08		11.6		6.74		10.8		5.18	
Cobalt, Total	7440-48-4	NS	NS	NS	mg/kg	4.22		8.02		3.72		7.07		2.82	
Copper, Total	7440-50-8	270	270	50	mg/kg	803		23.4		7.64		24.6		15.5	
Iron, Total	7439-89-6	NS	NS	NS	mg/kg	10800		19200		10100		17400		7950	
Lead, Total	7439-92-1	1000	400	63	mg/kg	29.5		45.1		44.1		81.4		71.2	
Magnesium, Total	7439-95-4	NS	NS	NS	mg/kg	13100		3320		7910		16100		7590	
Manganese, Total	7439-96-5	10000	2000	1600	mg/kg	218		374		132		417		489	
Mercury, Total	7439-97-6	2.8	0.81	0.18	mg/kg	0.11		0.333		0.023	J	0.068	J	0.071	

TABLE 1 - SURFACE SOIL - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION						SS01_0-0.17	SS02_0-0.17	SS03_0-0.17	SS04_0-0.17	SS05_0-0.17					
SAMPLING DATE						3/29/2018	3/29/2018	3/29/2018	3/29/2018	3/29/2018					
LAB SAMPLE ID						L1810850-01	L1810850-02	L1810850-03	L1810850-04	L1810850-05					
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL					
SAMPLE DEPTH (ft.)						0-2"	0-2"	0-2"	0-2"	0-2"					
	CasNum	NY-RESC	NY-RESRR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Nickel, Total	7440-02-0	310	310	30	mg/kg	9.28		17.5		7.23		15.7		5.75	
Potassium, Total	7440-09-7	NS	NS	NS	mg/kg	391		588		377		846		713	
Selenium, Total	7782-49-2	1500	180	3.9	mg/kg	0.608	J	0.731	J	0.65	J	1.02	J	0.538	J
Sodium, Total	7440-23-5	NS	NS	NS	mg/kg	57.6	J	38.7	J	114	J	59.7	J	493	
Vanadium, Total	7440-62-2	NS	NS	NS	mg/kg	10		16.2		12.8		14.9		7.75	
Zinc, Total	7440-66-6	10000	10000	109	mg/kg	70.9		69.3		55.1		93.5		63.8	
<b>General Chemistry</b>															
Solids, Total	NONE	NS	NS	NS	%	91.5		88.2		89.7		79.8		91.4	

NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.  
 NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.  
 NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.  
 U-The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.  
 J- The analyte is an estimated quantity.  
 NS-Indicates no standard for criteria  
 Values in **BOLD** exceed one or more regulatory criteria.

TABLE 2 - SUBSURFACE SOIL - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION						GP01_05.0-07.5	GP02_07.5-10.0	GP03_10.0-12.5	GP04_12.5-15.0	GP05_12.5-15.0	FD01_2018.03.06	GP06_07.5-10.0							
SAMPLING DATE						3/5/2018	3/5/2018	3/6/2018	3/6/2018	3/6/2018	3/6/2018	3/7/2018							
LAB SAMPLE ID						L1807766-01	L1807766-02	L1807766-03	L1807766-04	L1807766-05	L1807766-06	L1807917-01							
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL							
SAMPLE DEPTH (ft.)						5-7	7.5-10	10-12.5	12.5-15	12.5-15	12.5-15	7.5-10							
	CasNum	NY-RESC	NY-RESR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual				
<b>Volatile Organics by 8260/5035</b>																			
Tetrachloroethene	127-18-4	150	5.5	1.3	mg/kg	0.028	J	0.062		1300		31		77		31		4000	
Benzene	71-43-2	44	2.9	0.06	mg/kg	0.087	U	0.07		14	U	0.31	U	0.71	U	0.32	U	40	U
Toluene	108-88-3	500	100	0.7	mg/kg	0.13	U	0.017	J	20	U	0.47	U	1.1	U	0.48	U	60	U
Ethylbenzene	100-41-4	390	30	1	mg/kg	0.087	U	0.025	J	14	U	0.31	U	0.71	U	0.32	U	40	U
Vinyl chloride	75-01-4	13	0.21	0.02	mg/kg	0.17	U	0.12	U	27	U	0.33	J	1.5		0.48	J	80	U
trans-1,2-Dichloroethene	156-60-5	500	100	0.19	mg/kg	0.13	U	0.091	U	20	U	0.47	U	1.1	U	0.48	U	60	U
Trichloroethene	79-01-6	200	10	0.47	mg/kg	0.087	U	0.06	U	9.3	J	1.7		3.7		1.7		110	
p/m-Xylene	179601-23-1	NS	NS	NS	mg/kg	0.17	U	0.14		27	U	0.62	U	1.4	U	0.63	U	80	U
cis-1,2-Dichloroethene	156-59-2	500	59	0.25	mg/kg	0.087	U	0.024	J	14	U	8.2		7.6		7.9		40	U
Isopropylbenzene	98-82-8	NS	NS	NS	mg/kg	0.087	U	0.044	J	14	U	0.31	U	0.71	U	0.32	U	40	U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	1.7	U	0.14	J	270	U	6.2	U	14	U	6.3	U	800	U
Freon-113	76-13-1	NS	NS	NS	mg/kg	1.7	U	1.2	U	270	U	6.2	U	14	U	6.3	U	800	U
Methyl cyclohexane	108-87-2	NS	NS	NS	mg/kg	0.11	J	0.26		55	U	1.2	U	2.8	U	1.3	U	160	U
<b>Semivolatile Organics by GC/MS</b>																			
Fluoranthene	206-44-0	500	100	100	mg/kg	0.15	U	0.12	U	0.13	U	0.14	U	0.13	U	0.14	U	0.14	U
Naphthalene	91-20-3	500	100	12	mg/kg	0.24	U	0.21	U	0.026	J	0.23	U	0.22	U	0.24	U	0.24	
Bis(2-ethylhexyl)phthalate	117-81-7	NS	NS	NS	mg/kg	0.24	U	0.21	U	0.38		0.23	U	0.22	U	0.24	U	0.25	
Butyl benzyl phthalate	85-68-7	NS	NS	NS	mg/kg	0.24	U	0.21	U	0.18	J	0.23	U	0.22	U	0.24	U	0.17	J
Di-n-butylphthalate	84-74-2	NS	NS	NS	mg/kg	0.24	U	0.21	U	0.04	J	0.23	U	0.22	U	0.24	U	0.24	U
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	0.24	U	0.21	U	0.21	U	0.23	U	0.22	U	0.24	U	0.24	U
Benzo(a)anthracene	56-55-3	5.6	1	1	mg/kg	0.15	U	0.12	U	0.13	U	0.14	U	0.13	U	0.14	U	0.14	U
Benzo(a)pyrene	50-32-8	1	1	1	mg/kg	0.19	U	0.16	U	0.17	U	0.18	U	0.18	U	0.19	U	0.19	U
Benzo(b)fluoranthene	205-99-2	5.6	1	1	mg/kg	0.15	U	0.12	U	0.13	U	0.14	U	0.13	U	0.14	U	0.14	U
Benzo(k)fluoranthene	207-08-9	56	1	0.8	mg/kg	0.15	U	0.12	U	0.13	U	0.14	U	0.13	U	0.14	U	0.14	U
Chrysene	218-01-9	56	1	1	mg/kg	0.15	U	0.12	U	0.13	U	0.14	U	0.13	U	0.14	U	0.14	U
Acenaphthylene	208-96-8	500	100	100	mg/kg	0.19	U	0.16	U	0.17	U	0.18	U	0.18	U	0.19	U	0.19	U
Benzo(ghi)perylene	191-24-2	500	100	100	mg/kg	0.19	U	0.16	U	0.17	U	0.18	U	0.18	U	0.19	U	0.19	U
Fluorene	86-73-7	500	100	30	mg/kg	0.24	U	0.21	U	0.21	U	0.23	U	0.22	U	0.24	U	0.24	U
Phenanthrene	85-01-8	500	100	100	mg/kg	0.15	U	0.12	U	0.13	U	0.14	U	0.13	U	0.14	U	0.14	U
Dibenzo(a,h)anthracene	53-70-3	0.56	0.33	0.33	mg/kg	0.15	U	0.12	U	0.13	U	0.14	U	0.13	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	0.5	0.5	mg/kg	0.19	U	0.16	U	0.17	U	0.18	U	0.18	U	0.19	U	0.19	U
Pyrene	129-00-0	500	100	100	mg/kg	0.15	U	0.12	U	0.13	U	0.14	U	0.13	U	0.14	U	0.14	U
Biphenyl	92-52-4	NS	NS	NS	mg/kg	0.56	U	0.47	U	0.49	U	0.52	U	0.5	U	0.54	U	0.54	U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	0.29	U	0.25	U	0.26	U	0.28	U	0.26	U	0.28	U	0.28	U
Phenol	108-95-2	500	100	0.33	mg/kg	0.24	U	0.21	U	0.21	U	0.23	U	0.22	U	0.24	U	0.24	U
3-Methylphenol/4-Methylphenol	108-39-4	500	34	0.33	mg/kg	0.35	U	0.3	U	0.31	U	0.33	U	0.32	U	0.34	U	0.34	U
<b>Polychlorinated Biphenyls by GC</b>																			
Aroclor 1254	11097-69-1	1	1	0.1	mg/kg	0.0473	U	0.0406	U	0.0429	U	0.0444	U	0.0432	U	0.0468	U	0.0456	U
Aroclor 1260	11096-82-5	1	1	0.1	mg/kg	0.0473	U	0.0406	U	0.0429	U	0.0444	U	0.0432	U	0.0468	U	0.0112	J
PCBs, Total	1336-36-3	1	1	0.1	mg/kg	0.0473	U	0.0406	U	0.0429	U	0.0444	U	0.0432	U	0.0468	U	0.0112	J
<b>Organochlorine Pesticides by GC</b>																			
Heptachlor epoxide	1024-57-3	NS	NS	NS	mg/kg	0.00429	U	0.00359	U	0.00371	U	0.00403	U	0.00379	U	0.0043	U	0.00415	U
Dieldrin	60-57-1	1.4	0.039	0.005	mg/kg	0.00143	U	0.0012	U	0.00124	U	0.00134	U	0.00126	U	0.00144	U	0.0017	PI (J)
4,4'-DDE	72-55-9	62	1.8	0.0033	mg/kg	0.00229	U	0.00191	U	0.00113	J	0.00215	U	0.00202	U	0.0023	U	0.00297	P (J)
4,4'-DDD	72-54-8	92	2.6	0.0033	mg/kg	0.00229	U	0.00191	U	0.0074		0.00215	U	0.00202	U	0.0023	U	0.0411	P (J)
4,4'-DDT	50-29-3	47	1.7	0.0033	mg/kg	0.00429	U	0.00359	U	0.00371	U	0.00403	U	0.00379	U	0.0043	U	0.00184	J
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	0.00429	U	0.00359	U	0.11		0.00403	U	0.00379	U	0.0043	U	0.00415	U
cis-Chlordane	5103-71-9	24	0.91	0.094	mg/kg	0.00286	U	0.00239	U	0.00247	U	0.00268	U	0.00252	U	0.00287	U	0.00277	U
trans-Chlordane	5103-74-2	NS	NS	NS	mg/kg	0.000908	JPI (J)	0.00239	U	0.00247	U	0.00268	U	0.00252	U	0.00287	U	0.00277	U
Chlordane	57-74-9	NS	NS	NS	mg/kg	0.0186	U	0.0156	U	0.0161	U	0.0174	U	0.0164	U	0.0186	U	0.018	U

TABLE 2 - SUBSURFACE SOIL - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION						GP07_02.5-05.0	GP07_15.0-17.5	GP07D_37.5-40.0	GP07D_37.5-40.0	GP08_07.5-10.0	SUMP_PELLETS	SUMP_SOIL							
SAMPLING DATE						3/7/2018	3/7/2018	3/13/2018	3/13/2018	3/7/2018	3/7/2018	3/7/2018							
LAB SAMPLE ID						L1807917-02	L1807917-04	L1808573-01	L1808573-01 R1	L1807917-03	L1807917-05	L1807917-06							
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL	SOLID	SOIL							
SAMPLE DEPTH (ft.)						2.5-5	15-17.5	37.5-40.0	37.5-40.0	7.5-10	1.0-1.5	1.0-1.5							
	CasNum	NY-RESC	NY-RESR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual				
<b>Volatile Organics by 8260/5035</b>																			
Tetrachloroethene	127-18-4	150	5.5	1.3	mg/kg	1.1		0.0012		0.001	U	0.00099	U	<b>38</b>		<b>5200</b>		<b>21000</b>	
Benzene	71-43-2	44	2.9	0.06	mg/kg	0.68	U	0.0011	U	0.001	U	0.00099	U	0.18	U	49	U	170	U
Toluene	108-88-3	500	100	0.7	mg/kg	1	U (UJ)	0.0016	U	0.0015	U	0.0015	U	0.26	U	74	U (UJ)	250	U
Ethylbenzene	100-41-4	390	30	1	mg/kg	0.68	U	0.0011	U	0.001	U	0.00099	U	0.18	U	49	U	170	U
Vinyl chloride	75-01-4	13	0.21	0.02	mg/kg	<b>3.2</b>		0.025		0.002	U	0.002	U	<b>0.13</b>	J	98	U	330	U
trans-1,2-Dichloroethene	156-60-5	500	100	0.19	mg/kg	<b>0.31</b>	J	0.0016	U	0.0015	U	0.0015	U	0.052	J	74	U	250	U
Trichloroethene	79-01-6	200	10	0.47	mg/kg	<b>1.7</b>		0.0011	U	0.001	U	0.00099	U	<b>8</b>		<b>46</b>	J	<b>71</b>	J
p/m-Xylene	179601-23-1	NS	NS	NS	mg/kg	1.4	U	0.0021	U	0.002	U	0.002	U	0.35	U	98	U	330	U
cis-1,2-Dichloroethene	156-59-2	500	59	0.25	mg/kg	<b>70</b>		0.0014		0.001	U	0.00099	U	<b>8.9</b>		49	U	170	U
Isopropylbenzene	98-82-8	NS	NS	NS	mg/kg	0.68	U	0.0011	U	0.001	U	0.00099	U	0.18	U	49	U	170	U
Cyclohexane	110-82-7	NS	NS	NS	mg/kg	14	U	0.021	U	0.02	U	0.02	U	3.5	U	980	U	3300	U
Freon-113	76-13-1	NS	NS	NS	mg/kg	14	U	0.021	U	0.02	U	0.02	U	3.5	U	980	U	3300	U
Methyl cyclohexane	108-87-2	NS	NS	NS	mg/kg	2.7	U	0.0043	U	0.0041	U	0.004	U	0.7	U	200	U	670	U
<b>Semivolatiles by GC/MS</b>																			
Fluoranthene	206-44-0	500	100	100	mg/kg	0.14	U	0.13	U	0.13	U	-	-	0.13	U	0.097	U	0.65	
Naphthalene	91-20-3	500	100	12	mg/kg	0.19	J	0.21	U	0.21	U	-	-	0.22	U	0.19		0.59	
Bis(2-ethylhexyl)phthalate	117-81-7	NS	NS	NS	mg/kg	0.6		0.21	U	0.21	U	-	-	0.13	J	5.2		46 (110 Rerun)	E
Butyl benzyl phthalate	85-68-7	NS	NS	NS	mg/kg	0.22	U	0.21	U	0.21	U	-	-	0.14	J	0.69		5	
Di-n-butylphthalate	84-74-2	NS	NS	NS	mg/kg	0.22	U	0.21	U	0.21	U	-	-	0.22	U	4.4		2.2	
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	0.22	U	0.21	U	0.21	U	-	-	0.22	U	0.82		0.25	U
Benzo(a)anthracene	56-55-3	5.6	1	1	mg/kg	0.14	U	0.13	U	0.13	U	-	-	0.13	U	0.097	U	0.31	
Benzo(a)pyrene	50-32-8	1	1	1	mg/kg	0.18	U	0.17	U	0.17	U	-	-	0.17	U	0.13	U	0.42	
Benzo(b)fluoranthene	205-99-2	5.6	1	1	mg/kg	0.14	U	0.13	U	0.13	U	-	-	0.13	U	0.097	U	0.7	
Benzo(k)fluoranthene	207-08-9	56	1	0.8	mg/kg	0.14	U	0.13	U	0.13	U	-	-	0.13	U	0.097	U	0.24	
Chrysene	218-01-9	56	1	1	mg/kg	0.14	U	0.13	U	0.13	U	-	-	0.13	U	0.097	U	0.45	
Acenaphthylene	208-96-8	500	100	100	mg/kg	0.18	U	0.17	U	0.17	U	-	-	0.17	U	0.13	U	0.04	J
Benzo(ghi)perylene	191-24-2	500	100	100	mg/kg	0.18	U	0.17	U	0.17	U	-	-	0.17	U	0.13	U	0.37	
Fluorene	86-73-7	500	100	30	mg/kg	0.22	U	0.21	U	0.21	U	-	-	0.22	U	0.16	U	0.031	J
Phenanthrene	85-01-8	500	100	100	mg/kg	0.14	U	0.13	U	0.13	U	-	-	0.13	U	0.097	U	0.21	
Dibenzo(a,h)anthracene	53-70-3	0.56	0.33	0.33	mg/kg	0.14	U	0.13	U	0.13	U	-	-	0.13	U	0.097	U	0.12	J
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	0.5	0.5	mg/kg	0.18	U	0.17	U	0.17	U	-	-	0.17	U	0.13	U	0.47	
Pyrene	129-00-0	500	100	100	mg/kg	0.14	U	0.13	U	0.13	U	-	-	0.13	U	0.097	U	0.93	
Biphenyl	92-52-4	NS	NS	NS	mg/kg	0.51	U	0.48	U	0.48	U	-	-	0.5	U	0.07	J	0.082	J
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	0.27	U	0.25	U	0.25	U	-	-	0.26	U	0.078	J	0.18	J
Phenol	108-95-2	500	100	0.33	mg/kg	0.082	J	0.21	U	0.21	U	-	-	0.22	U	0.16	U	0.25	U
3-Methylphenol/4-Methylphenol	108-39-4	500	34	0.33	mg/kg	0.22	J	0.3	U	0.3	U	-	-	0.31	U	0.23	U	0.37	U
<b>Polychlorinated Biphenyls by GC</b>																			
Aroclor 1254	11097-69-1	1	1	0.1	mg/kg	<b>0.17</b>	P (J)	0.0418	U	0.0403	U	-	-	0.0429	U	0.0975	U	<b>0.255</b>	
Aroclor 1260	11096-82-5	1	1	0.1	mg/kg	0.0845	P (J)	0.0418	U	0.0403	U	-	-	0.0429	U	0.0975	U	<b>0.301</b>	
PCBs, Total	1336-36-3	1	1	0.1	mg/kg	<b>0.255</b>		0.0418	U	0.0403	U	-	-	0.0429	U	0.0975	U	<b>0.556</b>	
<b>Organochlorine Pesticides by GC</b>																			
Heptachlor epoxide	1024-57-3	NS	NS	NS	mg/kg	0.00398	U	0.00375	U	0.00371	U	-	-	0.0039	U	0.00843	U	0.007	
Dieldrin	60-57-1	1.4	0.039	0.005	mg/kg	<b>0.0378</b>		0.00125	U	0.00124	U	-	-	0.0013	U	<b>0.016</b>	P (J)	<b>0.0415</b>	
4,4'-DDE	72-55-9	62	1.8	0.0033	mg/kg	<b>0.0558</b>		0.002	U	0.00198	U	-	-	0.00208	U	<b>0.0635</b>	P (J)	<b>0.0753</b>	
4,4'-DDD	72-54-8	92	2.6	0.0033	mg/kg	<b>0.65 (0.868 Rerun)</b>	E	0.002	U	0.00198	U	-	-	0.0011	J	0.00449	U	<b>0.0381</b>	
4,4'-DDT	50-29-3	47	1.7	0.0033	mg/kg	<b>0.00491</b>	PI	0.00375	U	0.00371	U	-	-	0.0039	U	<b>0.0102</b>	P (J)	<b>0.0327</b>	P (J)
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	0.00398	U	0.00375	U	0.00371	U	-	-	0.0039	U	0.00843	U	0.00454	U
cis-Chlordane	5103-71-9	24	0.91	0.094	mg/kg	0.00374	P (J)	0.0025	U	0.00247	U	-	-	0.0026	U	0.0127	P (J)	0.0129	P (J)
trans-Chlordane	5103-74-2	NS	NS	NS	mg/kg	0.00266	U	0.0025	U	0.00247	U	-	-	0.0026	U	0.0277		0.00302	U
Chlordane	57-74-9	NS	NS	NS	mg/kg	0.0173	U	0.0162	U	0.0161	U	-	-	0.0169	U	0.0365	U	0.119	PI (J)

TABLE 2 - SUBSURFACE SOIL - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION						GP01_05.0-07.5	GP02_07.5-10.0	GP03_10.0-12.5	GP04_12.5-15.0	GP05_12.5-15.0	FD01_2018.03.06	GP06_07.5-10.0							
SAMPLING DATE						3/5/2018	3/5/2018	3/6/2018	3/6/2018	3/6/2018	3/6/2018	3/7/2018							
LAB SAMPLE ID						L1807766-01	L1807766-02	L1807766-03	L1807766-04	L1807766-05	L1807766-06	L1807917-01							
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL							
SAMPLE DEPTH (ft.)						5-7	7.5-10	10-12.5	12.5-15	12.5-15	12.5-15	7.5-10							
	CasNum	NY-RESC	NY-RESR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual				
<b>Total Metals</b>																			
Aluminum, Total	7429-90-5	NS	NS	NS	mg/kg	9680		12500		11000	(J)	19000	(J)	7720		8800	(J)	9460	
Antimony, Total	7440-36-0	NS	NS	NS	mg/kg	0.916	J	1.06	J	0.945	J	1.17	J	0.832	J	0.646	J	0.629	J
Arsenic, Total	7440-38-2	16	16	13	mg/kg	7.12		6.07		4.82		5.37		6.24		7.04		6.49	
Barium, Total	7440-39-3	400	350	350	mg/kg	43.2		82.8		60.2	(J)	130	(J)	33.2		54.3	(J)	39.2	
Beryllium, Total	7440-41-7	590	14	7.2	mg/kg	0.508	J	0.704		0.607		0.977		0.369	J	0.519	J	0.517	J
Cadmium, Total	7440-43-9	9.3	2.5	2.5	mg/kg	1.1	U	0.939	U	0.995	U	1.07	U	1.05	U	1.15	U	1.12	U
Calcium, Total	7440-70-2	NS	NS	NS	mg/kg	5890		2560		29700	(J)	17600	(J)	26600		34700	(J)	3050	
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	14		15.5		14.3	(J)	21	(J)	10.3		12.6	(J)	12.6	
Cobalt, Total	7440-48-4	NS	NS	NS	mg/kg	9.69		9.59		8.74		11.1		6.76		9.76		8.92	
Copper, Total	7440-50-8	270	270	50	mg/kg	22.8		22.3		20.8		25		18.9		17.7		23	
Iron, Total	7439-89-6	NS	NS	NS	mg/kg	19900		25600		22700		30700		18800		22400		22200	
Lead, Total	7439-92-1	1000	400	63	mg/kg	13.8		49.8		8.57		10		5.53		7.68		6.49	
Magnesium, Total	7439-95-4	NS	NS	NS	mg/kg	3280		2950		6150		7780		5490		6370		3370	
Manganese, Total	7439-96-5	10000	2000	1600	mg/kg	378		310		393		362		439		486		574	
Mercury, Total	7439-97-6	2.8	0.81	0.18	mg/kg	0.06	J	0.14	(J)	0.04	J	0.03	J	0.04	J	0.04	J	0.04	J
Nickel, Total	7440-02-0	310	140	30	mg/kg	20.2		20.7		19.2		25.6	(J)	15		16.5	(J)	20	
Potassium, Total	7440-09-7	NS	NS	NS	mg/kg	920		1170		1120		2370	(J)	529		875	(J)	513	
Silver, Total	7440-22-4	1500	36	2	mg/kg	1.1	U	0.939	U	0.995	U	1.07	U	1.05	U	1.15	U	1.12	U
Sodium, Total	7440-23-5	NS	NS	NS	mg/kg	997		250		183	J	258		122	J	223	J	116	J
Vanadium, Total	7440-62-2	NS	NS	NS	mg/kg	19.2		22.8		23.8		28.1		16.7		24.9		19.2	
Zinc, Total	7440-66-6	10000	2200	109	mg/kg	54.4		49.9		54.4		80.1	(J)	36.1		47.4	(J)	44.4	(J)
<b>General Chemistry</b>																			
Solids, Total	NONE	NS	NS	NS	%	68.3		80.1		77.4		71.1		74.6		68.4		69.4	
Cyanide, Total	57-12-5	27	27	27	mg/kg	1.4	U (UJ)	1.2	U (UJ)	1.3	U (UJ)	1.4	U (UJ)	1.3	U (UJ)	1.3	U (UJ)	1.3	U (UJ)

TABLE 2 - SUBSURFACE SOIL - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION						GP07_02.5-05.0	GP07_15.0-17.5	GP07D_37.5-40.0	GP07D_37.5-40.0	GP08_07.5-10.0	SUMP_PELLETS	SUMP_SOIL							
SAMPLING DATE						3/7/2018		3/7/2018		3/13/2018		3/13/2018		3/7/2018		3/7/2018			
LAB SAMPLE ID						L1807917-02		L1807917-04		L1808573-01		L1808573-01 R1		L1807917-03		L1807917-05		L1807917-06	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL		SOIL		SOLID		SOIL	
SAMPLE DEPTH (ft.)						2.5-5		15-17.5		37.5-40.0		37.5-40.0		7.5-10		1.0-1.5		1.0-1.5	
	CasNum	NY-RESC	NY-RESR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
<b>Total Metals</b>																			
Aluminum, Total	7429-90-5	NS	NS	NS	mg/kg	18200		8690		7780		-	-	11900		606		4790	
Antimony, Total	7440-36-0	NS	NS	NS	mg/kg	1.1	J	0.717	J	4.98	U	-	-	0.888	J	0.322	J	1.79	J
Arsenic, Total	7440-38-2	16	16	13	mg/kg	10		5.12		4.62		-	-	6.19		3.27		2.88	
Barium, Total	7440-39-3	400	350	350	mg/kg	85.5		50		56.2		-	-	60		29		136	
Beryllium, Total	7440-41-7	590	14	7.2	mg/kg	0.981		0.55		0.388	J	-	-	0.626		0.544		0.193	J
Cadmium, Total	7440-43-9	9.3	2.5	2.5	mg/kg	1.07	U	0.982	U	0.557	J	-	-	1.04	U	0.85		1	J
Calcium, Total	7440-70-2	NS	NS	NS	mg/kg	1620		38400		31500		-	-	3160		2870		31000	
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	17.8		12.6		10.1		-	-	15.5		6.3		12	
Cobalt, Total	7440-48-4	NS	NS	NS	mg/kg	14.1		9.55		7.72		-	-	9.83		3.12		4.29	
Copper, Total	7440-50-8	270	270	50	mg/kg	27.2		20.7		16.9		-	-	21.9		<b>117</b>		<b>335</b>	
Iron, Total	7439-89-6	NS	NS	NS	mg/kg	34200		21400		18900		-	-	24400		2840		12200	
Lead, Total	7439-92-1	1000	400	63	mg/kg	9.74		8.3		5.07		-	-	6.63		12.3		<b>65</b>	
Magnesium, Total	7439-95-4	NS	NS	NS	mg/kg	4390		7880		8320	(J)	-	-	4040		467		3420	
Manganese, Total	7439-96-5	10000	2000	1600	mg/kg	542		524		456		-	-	571		36.8		106	
Mercury, Total	7439-97-6	2.8	0.81	0.18	mg/kg	0.05	J	0.03	J	0.03	J	-	-	0.03	J	<b>0.24</b>	(J)	<b>0.98</b>	(J)
Nickel, Total	7440-02-0	310	140	30	mg/kg	27.9		19.4		14	(J)	-	-	22.2		12		15.1	
Potassium, Total	7440-09-7	NS	NS	NS	mg/kg	1280		896		972		-	-	801		75.3	J	232	J
Silver, Total	7440-22-4	1500	36	2	mg/kg	1.07	U	0.982	U	0.995	U	-	-	1.04	U	0.766	U	1.38	
Sodium, Total	7440-23-5	NS	NS	NS	mg/kg	114	J	144	J	153	J	-	-	125	J	115	J	114	J
Vanadium, Total	7440-62-2	NS	NS	NS	mg/kg	26.7		20.2		16.6		-	-	20.7		17		7.96	
Zinc, Total	7440-66-6	10000	2200	109	mg/kg	65.3	(J)	50.8	(J)	42.3	(J)	-	-	52.7	(J)	<b>224</b>	(J)	<b>379</b>	(J)
<b>General Chemistry</b>																			
Solids, Total	NONE	NS	NS	NS	%	72.3		78.2		78.8		-	-	75.7		-	-	64.6	
Cyanide, Total	57-12-5	27	27	27	mg/kg	1.3	U (UJ)	1.3	U (UJ)	1.2	U	-	-	1.3	U (UJ)	0.3	J	1.5	U (UJ)

NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective 12/14/2006.  
 NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective 12/14/2006.  
 NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective 12/14/2006.  
 NS - Indicates no standard for criteria  
 () indicates qualifier by data validators  
 U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.  
 J - The analyte is an estimated quantity.  
 UJ - The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.  
 P - The relative percent difference between the results for the two columns exceeds the method-specified criteria  
 E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument  
 I - The lower value for the two columns has been reported due to obvious interference.  
 Values in BOLD exceed one or more regulatory criteria.

TABLE 3 - ON-SITE GROUNDWATER SAMPLES - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION				CTMMW-01 _2018.03.15	FD01 _2018.03.15	CTMMW-02 _2018.03.15	CTMMW-03 _2018.03.15	CTMMW-04 _2018.03.15	CTMMW-05 _2018.03.15	CTMMW-06 _2018.03.15	CTMMW-07 _2018.03.19	CTMMW-07D _2018.03.19											
SAMPLING DATE				3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/19/2018	3/19/2018											
LAB SAMPLE ID				L1808955-10	L1808955-12	L1808955-03	L1808955-07	L1808955-05	L1808955-09	L1808955-06	L1809353-01	L1809353-02											
SAMPLE TYPE				WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER											
SCREENED INTERVAL (ft.)				3-15	3-15	3-13	3-15	3-16	3-17	3-15	3-15	33.7-43.7											
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual								
<b>Volatile Organics by GC/MS</b>																							
Tetrachloroethene	127-18-4	5	ug/l	4.1		4		0.5	U	150000		4800		28		140000		47000		14			
Benzene	71-43-2	1	ug/l	2.4		2.5		0.43	J	1200	U	25	U	0.5	U	1000	U	500	U	0.5	U		
Vinyl chloride	75-01-4	2	ug/l	1.2	(J)	1.2	(J)	1	U (UJ)	2500	U	14	J	6.2		1300	J	2900		0.15	J		
Trichloroethene	79-01-6	5	ug/l	1.8		1.8		0.5	U	2900		1200		5.6		44000		14000		1.2			
cis-1,2-Dichloroethene	156-59-2	5	ug/l	2.1	J	2	J	2.5	U	6200	U	2300		24		37000		170000		2.2	J		
Acetone	67-64-1	50	ug/l	2.3	J	5	U	4.4	J (U)	12000	U	250	U	1.5	J	10000	U	5000	U	6.4			
Isopropylbenzene	98-82-8	5	ug/l	0.78	J	0.77	J	2.5	U	6200	U	120	U	2.5	U	5000	U	2500	U	2.5	U		
Cyclohexane	110-82-7	NS	ug/l	12		12		1.2	J	25000	U	500	U	10	U	20000	U	10000	U	10	U		
Methyl cyclohexane	108-87-2	NS	ug/l	5.7	J	5.7	J	0.84	J	25000	U	500	U	10	U	20000	U	10000	U	10	U		
<b>Semivolatile Organics by GC/MS</b>																							
Bis(2-chloroethyl)ether	111-44-4	1	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	97		2	U		
Bis(2-ethylhexyl)phthalate	117-81-7	5	ug/l	3	U	3	U	3	U	2.1	J	3	U	3	U	7.8		130		2.6	J		
Butyl benzyl phthalate	85-68-7	50	ug/l	5	U	5	U	5	U	2.6	J	5	U	5	U	2	J	5	U	5	U		
Di-n-butylphthalate	84-74-2	50	ug/l	5	U	5	U	5	U	1.3	J	5	U	5	U	0.82	J	12		5	U		
Di-n-octylphthalate	117-84-0	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	11		5	U		
Diethyl phthalate	84-66-2	50	ug/l	5	U	5	U	5	U	1.6	J	5	U	5	U	1.7	J	28		5	U		
Biphenyl	92-52-4	5 (GV)	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	0.84	J	2	U		
2,4-Dimethylphenol	105-67-9	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	12		5	U		
Phenol	108-95-2	1	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	26		5	U		
3-Methylphenol/4-Methylphenol	108-39-4	NS	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	1.1	J	70		5	U		
Caprolactam	105-60-2	NS	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	8.3	J
<b>Semivolatile Organics by GC/MS-SIM</b>																							
Acenaphthene	83-32-9	20	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.08	J	2	U	0.1	U		
Naphthalene	91-20-3	10	ug/l	0.1	U	0.1	U	0.1	U	5.8		0.1	U	0.1	U	29		99		0.1	U		
Benzo(a)anthracene	56-55-3	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.06	J	0.1	U	0.1	U	0.1	U	0.56	J	0.1	U		
Benzo(a)pyrene	50-32-8	0	ug/l	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U	0.1	U	2	U	0.1	U		
Benzo(b)fluoranthene	205-99-2	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.07	J	0.1	U	0.1	U	0.1	U	0.78	J	0.1	U		
Benzo(ghi)perylene	191-24-2	NS	ug/l	0.1	U	0.1	U	0.1	U	0.07	J	0.1	U	0.1	U	0.1	U	2	U	0.1	U		
Fluorene	86-73-7	50	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.13		2	U	0.1	U		
Phenanthrene	85-01-8	50	ug/l	0.1	U	0.1	U	0.1	U	0.06	J	0.1	U	0.1	U	0.28		0.6	J	0.1	U		
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.06	J	0.1	U	0.1	U	0.1	U	2	U	0.1	U		
2-Methylnaphthalene	91-57-6	NS	ug/l	0.1	U	0.1	U	0.1	U	0.32		0.1	U	0.1	U	1.3		8.7		0.1	U		
<b>1,4 Dioxane by 8270D-SIM</b>																							
1,4-Dioxane	123-91-1	NS	ug/l	0.147	U	0.15	U	-	-	-	-	0.0914	J	-	-	-	-	-	-	-	-		
<b>Polychlorinated Biphenyls by GC</b>																							
Aroclor 1254	11097-69-1	See total	ug/l	0.083	U	0.042	J	0.061	J	0.083	U	0.036	J	0.185		0.11		3.16		0.083	U		
Aroclor 1260	11096-82-5	See total	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	1.25	P (J)	0.083	U		
PCBs, Total	1336-36-3	0.09	ug/l	0.083	U	0.042	J	0.061	J	0.083	U	0.036	J	0.185		0.11		4.41		0.083	U		

TABLE 3 - ON-SITE GROUNDWATER SAMPLES - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION				CTMMW-08 2018.03.19	MW-1 2018.03.15	MW-2 2018.03.15	MW-3 2018.03.15	MW-4 2018.03.15	ED01 2018.03.15	TRANSPORT BLANK	TRANSPORT BLANK				
SAMPLING DATE				3/19/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/19/2018				
LAB SAMPLE ID				L1809353-03	L1808955-04	L1808955-08	L1808955-01	L1808955-02	L1808955-11	L1808955-13	L1809353-04				
SAMPLE TYPE				WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER				
SCREENED INTERVAL (ft.)				3-15	5-40	5-40	5-25	5-30	NA	NA	NA				
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
<b>Volatile Organics by GC/MS</b>															
Tetrachloroethene	127-18-4	5	ug/l	43000		0.62		11000		70000		36000		0.5	U
Benzene	71-43-2	1	ug/l	250	U	0.5	U	50	U	500	U	250	U	0.5	U
Vinyl chloride	75-01-4	2	ug/l	8900		1	U	74	J	6400	(J)	82	J	1	U (UJ)
Trichloroethene	79-01-6	5	ug/l	12000		0.4	J	2100		16000		2700		0.5	U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	37000		2.5	U	800		95000		1400		2.5	U
Acetone	67-64-1	50	ug/l	2500	U	5	U	500	U	5000	U	2500	U	1.5	J
Isopropylbenzene	98-82-8	5	ug/l	1200	U	2.5	U	250	U	2500	U	1200	U	2.5	U
Cyclohexane	110-82-7	NS	ug/l	5000	U	10	U	1000	U	10000	U	5000	U	10	U
Methyl cyclohexane	108-87-2	NS	ug/l	5000	U	10	U	1000	U	10000	U	5000	U	10	U
<b>Semivolatile Organics by GC/MS</b>															
Bis(2-chloroethyl)ether	111-44-4	1	ug/l	12		2	U	2	U	27		2	U	2	U
Bis(2-ethylhexyl)phthalate	117-81-7	5	ug/l	4.1		3	U	3	U	3	U	3	U	3	U
Butyl benzyl phthalate	85-68-7	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Di-n-butylphthalate	84-74-2	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Di-n-octylphthalate	117-84-0	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Diethyl phthalate	84-66-2	50	ug/l	1.5	J	5	U	5	U	4.2	J	5	U	5	U
Biphenyl	92-52-4	5 (GV)	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
2,4-Dimethylphenol	105-67-9	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Phenol	108-95-2	1	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	108-39-4	NS	ug/l	5	U	5	U	5	U	1.9	J	5	U	5	U
Caprolactam	105-60-2	NS	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
<b>Semivolatile Organics by GC/MS-SIM</b>															
Acenaphthene	83-32-9	20	ug/l	0.05	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Naphthalene	91-20-3	10	ug/l	12		0.1	U	0.22		27 (24 Rerun)	E	1.7		0.1	U
Benzo(a)anthracene	56-55-3	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(a)pyrene	50-32-8	0	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(b)fluoranthene	205-99-2	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(ghi)perylene	191-24-2	NS	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Fluorene	86-73-7	50	ug/l	0.09	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Phenanthrene	85-01-8	50	ug/l	0.06	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
2-Methylnaphthalene	91-57-6	NS	ug/l	1.3		0.1	U	0.1	U	0.57		0.13		0.1	U
<b>1,4 Dioxane by 8270D-SIM</b>															
1,4-Dioxane	123-91-1	NS	ug/l	-	-	-	-	-	-	-	-	0.196		0.156	U
<b>Polychlorinated Biphenyls by GC</b>															
Aroclor 1254	11097-69-1	See total	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1260	11096-82-5	See total	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
PCBs, Total	1336-36-3	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U

TABLE 3 - ON-SITE GROUNDWATER SAMPLES - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION				CTMMW-01 _2018.03.15	FD01 _2018.03.15	CTMMW-02 _2018.03.15	CTMMW-03 _2018.03.15	CTMMW-04 _2018.03.15	CTMMW-05 _2018.03.15	CTMMW-06 _2018.03.15	CTMMW-07 _2018.03.19	CTMMW-07D _2018.03.19									
SAMPLING DATE				3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/19/2018	3/19/2018									
LAB SAMPLE ID				L1808955-10	L1808955-12	L1808955-03	L1808955-07	L1808955-05	L1808955-09	L1808955-06	L1809353-01	L1809353-02									
SAMPLE TYPE				WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER									
SCREENED INTERVAL (ft.)				3-15	3-15	3-13	3-15	3-16	3-17	3-15	3-15	33.7-43.7									
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual						
<b>Total Metals</b>																					
Aluminum, Total	7429-90-5	NS	ug/l	25		29.1		1240		47600		13000		5630		26600		110000		312	
Antimony, Total	7440-36-0	3	ug/l	0.45	J (U)	0.55	J (U)	0.96	J (U)	4	U	1.96	J (U)	4	U	0.51	J (U)	1.66	J (U)	1.49	J (U)
Arsenic, Total	7440-38-2	25	ug/l	1.75		1.8		3.75		23.16		11.58		5.1		<b>28</b>		<b>101.7</b>		5.59	
Barium, Total	7440-39-3	1000	ug/l	249.7		255		277.5		<b>1598</b>		190.8		32.04		<b>1024</b>		<b>1891</b>		48.25	
Beryllium, Total	7440-41-7	3	ug/l	0.5	U	0.5	U	0.1	J	<b>9.44</b>		1.4		0.38	J	<b>4.99</b>		<b>9.66</b>		0.5	U
Cadmium, Total	7440-43-9	5	ug/l	0.2	U	0.2	U	0.13	J	2.05		0.15	J	0.18	J	1.25		2.93		0.2	U
Calcium, Total	7440-70-2	NS	ug/l	307000		308000		198000		1100000		147000		61000		751000		1360000		39800	
Chromium, Total	7440-47-3	50	ug/l	0.47	J (U)	0.73	J (U)	4.74		<b>60.54</b>		15.24		8.1		32.2		<b>190.2</b>		5.12	
Cobalt, Total	7440-48-4	NS	ug/l	0.89		1.06		1.73		65.78		11.32		3.86		62.19		184.1		0.19	J
Copper, Total	7440-50-8	200	ug/l	0.61	J	0.68	J	7.16		112.6		28.16		13.7		101.5		<b>284.2</b>		1.44	
Iron, Total	7439-89-6	300	ug/l	<b>4870</b>		<b>4910</b>		<b>5230</b>		<b>95000</b>		<b>26300</b>		<b>13600</b>		<b>86600</b>		<b>348000</b>		<b>498</b>	
Lead, Total	7439-92-1	25	ug/l	5	U	1	U	21.05		<b>85.89</b>		11.59		7.44		<b>51.86</b>		<b>138.2</b>		0.34	J
Magnesium, Total	7439-95-4	35000	ug/l	27400	(J)	27000	(J)	29500	(J)	<b>110000</b>	(J)	21400	(J)	5700	(J)	<b>102000</b>	(J)	<b>141000</b>		22200	
Manganese, Total	7439-96-5	300	ug/l	<b>4631</b>	(J)	<b>4607</b>	(J)	<b>712.5</b>	(J)	<b>11490</b>	(J)	<b>658.2</b>	(J)	<b>581.4</b>	(J)	<b>11280</b>	(J)	<b>30640</b>		13.12	
Mercury, Total	7439-97-6	0.7	ug/l	0.2	U	0.2	U	0.2	U	0.13	J	0.2	U	0.2	U	0.2	U	0.22		0.2	U
Nickel, Total	7440-02-0	100	ug/l	2	U	0.63	J	3.97		98.69		23.91		10.19		90.73		<b>291.4</b>		1.1	J
Potassium, Total	9/7/7440	NS	ug/l	12900		12900		13700		11300		2990		2480		4880		10700		4580	
Selenium, Total	7782-49-2	10	ug/l	5	U	5	U	5	U	<b>36.1</b>		<b>11.8</b>		2.27	J	<b>32.4</b>		<b>54</b>		5	U
Silver, Total	7440-22-4	50	ug/l	0.4	U	0.4	U	0.4	U	0.18	J	0.4	U	0.4	U	0.4	U	0.4	J	0.4	U
Sodium, Total	7440-23-5	20000	ug/l	<b>1590000</b>	(J)	<b>1640000</b>	(J)	<b>738000</b>	(J)	<b>66900</b>	(J)	<b>35200</b>	(J)	12600	(J)	<b>106000</b>	(J)	<b>102000</b>		<b>30800</b>	
Thallium, Total	7440-28-0	0.5	ug/l	2.5	U	0.5	U	0.5	U	0.36	J	0.5	U	0.5	U	0.19	J	<b>1.04</b>		0.5	U
Vanadium, Total	7440-62-2	NS	ug/l	5	U	5	U	4.18	J	124.1		28.62		12.01		82.79		256.3		11.52	
Zinc, Total	7440-66-6	2000	ug/l	10	U	10	U	19.24		207		72.21		29.27		160.4		549.7		10	U
<b>General Chemistry</b>																					
Cyanide, Total	57-12-5	200	ug/l	4	J	3	J	3	J	5	U	5	U	5	U	5	U	5	U (UJ)	5	U (UJ)

TABLE 3 - ON-SITE GROUNDWATER SAMPLES - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION				CTMMW-08 2018.03.19	MW-1 2018.03.15	MW-2 2018.03.15	MW-3 2018.03.15	MW-4 2018.03.15	ED01 2018.03.15	TRANSPORT BLANK	TRANSPORT BLANK								
SAMPLING DATE				3/19/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/15/2018	3/19/2018								
LAB SAMPLE ID				L1809353-03	L1808955-04	L1808955-08	L1808955-01	L1808955-02	L1808955-11	L1808955-13	L1809353-04								
SAMPLE TYPE				WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER								
SCREENED INTERVAL (ft.)				3-15	5-40	5-40	5-25	5-30	NA	NA	NA								
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual				
<b>Total Metals</b>																			
Aluminum, Total	7429-90-5	NS	ug/l	39400		14700		26500		22600		43600		10	U	NA	-	NA	-
Antimony, Total	7440-36-0	3	ug/l	0.44	J (U)	0.6	J (U)	0.49	J (U)	1.54	J (U)	0.81	J (U)	4	U	NA	-	NA	-
Arsenic, Total	7440-38-2	25	ug/l	<b>28.88</b>		16		<b>25.78</b>		21.74		<b>28.54</b>		0.5	U	NA	-	NA	-
Barium, Total	7440-39-3	1000	ug/l	634.2		700.8		<b>1082</b>		491		<b>1577</b>		0.5	U	NA	-	NA	-
Beryllium, Total	7440-41-7	3	ug/l	<b>4.97</b>		1.56		<b>3.48</b>		2.82		<b>5.12</b>		0.5	U	NA	-	NA	-
Cadmium, Total	7440-43-9	5	ug/l	0.83		0.77		1.59		1.77		2.77		0.2	U	NA	-	NA	-
Calcium, Total	7440-70-2	NS	ug/l	472000		644000		1420000		591000		1490000		74.3	J	NA	-	NA	-
Chromium, Total	7440-47-3	50	ug/l	49.7		21.04		42.68		27.83		<b>66.51</b>		0.41	J	NA	-	NA	-
Cobalt, Total	7440-48-4	NS	ug/l	53.57		16.22		46.88		28.47		58.71		0.5	U	NA	-	NA	-
Copper, Total	7440-50-8	200	ug/l	118.2		46.24		91.35		70.48		163.1		1	U	NA	-	NA	-
Iron, Total	7439-89-6	300	ug/l	<b>111000</b>		<b>37800</b>		<b>93100</b>		<b>51500</b>		<b>119000</b>		50	U	NA	-	NA	-
Lead, Total	7439-92-1	25	ug/l	<b>61.67</b>		<b>26.08</b>		<b>55.6</b>		<b>32.55</b>		<b>88.4</b>		1	U	NA	-	NA	-
Magnesium, Total	7439-95-4	35000	ug/l	<b>71300</b>		<b>114000</b>	(J)	<b>123000</b>	(J)	<b>74400</b>	(J)	<b>153000</b>	(J)	70	U	NA	-	NA	-
Manganese, Total	7439-96-5	300	ug/l	<b>7550</b>		<b>2534</b>	(J)	<b>9639</b>	(J)	<b>6422</b>	(J)	<b>8030</b>	(J)	1	U	NA	-	NA	-
Mercury, Total	7439-97-6	0.7	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.61		0.2	U	NA	-	NA	-
Nickel, Total	7440-02-0	100	ug/l	96.39		31.32		74.67		57.61		<b>110.1</b>		2	U	NA	-	NA	-
Potassium, Total	9/7/7440	NS	ug/l	4840		5430		6040		3120		6950		100	U	NA	-	NA	-
Selenium, Total	7782-49-2	10	ug/l	<b>25</b>		<b>11.1</b>		<b>27.6</b>		<b>27.1</b>		<b>40.3</b>		5	U	NA	-	NA	-
Silver, Total	7440-22-4	50	ug/l	0.4	U	0.32	J	0.4	U	0.4	U	0.24	J	0.4	U	NA	-	NA	-
Sodium, Total	7440-23-5	20000	ug/l	<b>125000</b>		<b>476000</b>	(J)	19000	(J)	<b>59000</b>	(J)	<b>83800</b>	(J)	300		NA	-	NA	-
Thallium, Total	7440-28-0	0.5	ug/l	0.31	J	0.18	J	0.28	J	0.19	J	<b>0.52</b>		0.5	U	NA	-	NA	-
Vanadium, Total	7440-62-2	NS	ug/l	96.39		47.22		88.11		68.24		136.9		5	U	NA	-	NA	-
Zinc, Total	7440-66-6	2000	ug/l	215.9		84		158.3		136.6		252.5		10	U	NA	-	NA	-
<b>General Chemistry</b>																			
Cyanide, Total	57-12-5	200	ug/l	5	U (UJ)	5	U	5	U	5	U	5	U	5	U	NA	-	NA	-

\*NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.  
 NS-Indicates no standard for criteria  
 () indicates qualifier by data validators  
 U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.  
 J - The analyte is an estimated quantity.  
 UJ - The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.  
 E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument  
 P - The relative percent difference between the results for the two columns exceeds the method-specified criteria  
 Values in **BOLD** exceed groundwater standard or guidance value.

TABLE 4 - OFF-SITE GROUNDWATER SAMPLES - DETECTIONS ONLY  
MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION				CTMMW-09 _2018.06.12	CTMMW-10 _2018.06.12	CTMMW-11 _2018.06.12	CTMMW-12 _2018.06.12	TRANSPORT BLANK	
SAMPLING DATE				6/12/2018	6/12/2018	6/12/2018	6/12/2018	6/12/2018	
LAB SAMPLE ID				L1821938-01	L1821938-02	L1821938-03	L1821938-04	L1821938-05	
SAMPLE TYPE				WATER	WATER	WATER	WATER	WATER	
SCREENED INTERVAL (ft.)				3-16	3-22	3-12	3-30	NA	
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
<b>Volatile Organics by GC/MS</b>									
Tetrachloroethene	127-18-4	5	ug/l	<b>12000</b>		<b>58000</b>		0.74	
Vinyl chloride	75-01-4	2	ug/l	<b>20</b>	J	<b>2500</b>		0.18	J
Trichloroethene	79-01-6	5	ug/l	<b>930</b>		<b>1900</b>		< 0.5	U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	<b>1100</b>		<b>6100</b>		< 2.5	U

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.  
Values in BOLD exceed groundwater standard.

TABLE 5 - ON-SITE SOIL VAPOR AND AMBIENT OUTDOOR AIR - DETECTIONS ONLY  
MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION			SV01_2018.03.08	SV02_2018.03.08	SV03_2018.03.08	SV04_2018.03.08	OA01_2018.03.08				
SAMPLING DATE			3/8/2018	3/8/2018	3/8/2018	3/8/2018	3/8/2018				
LAB SAMPLE ID			L1808113-01	L1808113-02	L1808113-03	L1808113-04	L1808113-05				
SAMPLE TYPE			SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		OUTDOOR AIR		
	CasNum	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	
<b>Volatiles Organics in Air</b>											
Dichlorodifluoromethane	75-71-8	ug/m3	4.94	U	9.89	U	3.32		1.49		2.12
Chloromethane	74-87-3	ug/m3	2.07	U	4.13	U	0.413	U	0.413	U	1.46
Vinyl chloride	75-01-4	ug/m3	2.81		5.11	U	0.511	U	0.511	U	-
Ethyl Alcohol	64-17-5	ug/m3	47.1	U	94.2	U	9.42	U	10.2		58.2
Acetone	67-64-1	ug/m3	45.8		23.8	U	2.38	U	22.4		11.6
Trichlorofluoromethane	75-69-4	ug/m3	5.62	U	11.2	U	1.12	U	1.12	U	1.52
1,1-Dichloroethene	75-35-4	ug/m3	3.96	U	7.93	U	0.793	U	0.793	U	-
Methylene chloride	75-09-2	ug/m3	8.69	U	17.4	U	1.74	U	1.74	U	1.74
Carbon disulfide	75-15-0	ug/m3	3.11	U	6.23	U	0.875		2.89		0.623
trans-1,2-Dichloroethene	156-60-5	ug/m3	3.96	U	61.5		0.793	U	0.793	U	0.793
2-Butanone	78-93-3	ug/m3	7.37	U	14.7	U	1.47	U	2.43		1.47
cis-1,2-Dichloroethene	156-59-2	ug/m3	21.3		1050		0.793	U	0.793	U	-
Chloroform	67-66-3	ug/m3	4.88	U	9.77	U	1.1		5.76		0.977
n-Hexane	110-54-3	ug/m3	3.52	U	7.05	U	2.49		0.937		0.705
1,1,1-Trichloroethane	71-55-6	ug/m3	5.46	U	10.9	U	1.09	U	1.09	U	-
Benzene	71-43-2	ug/m3	4.79		6.39	U	0.639	U	0.639	U	0.639
Carbon tetrachloride	56-23-5	ug/m3	6.29	U	12.6	U	1.26	U	1.26	U	-
Trichloroethene	79-01-6	ug/m3	46.4		1140		1.07	U	1.07	U	-
Toluene	108-88-3	ug/m3	5.8		7.54	U	0.754	U	1.23		0.84
Tetrachloroethene	127-18-4	ug/m3	2180		3860		7.59		83.4		-
<b>Volatiles Organics in Air by SIM</b>											
Vinyl chloride	75-01-4	ug/m3	See Above	-	See Above	-	See Above	-	See Above	-	0.051
cis-1,2-Dichloroethene	156-59-2	ug/m3	See Above	-	See Above	-	See Above	-	See Above	-	0.079
Carbon tetrachloride	56-23-5	ug/m3	See Above	-	See Above	-	See Above	-	See Above	-	0.516
Trichloroethene	79-01-6	ug/m3	See Above	-	See Above	-	See Above	-	See Above	-	0.107
Tetrachloroethene	127-18-4	ug/m3	See Above	-	See Above	-	See Above	-	See Above	-	0.678

Notes:

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

TABLE 6 - OFF-SITE SOIL VAPOR AND AMBIENT OUTDOOR AIR - DETECTIONS ONLY  
 MASTER CLEANERS SITE, GUILDERLAND, NY

LOCATION			SV05_2018.06.12		SV06_2018.06.12		OA02_2018.06.12	
SAMPLING DATE			6/12/2018		6/12/2018		6/12/2018	
LAB SAMPLE ID			L1821916-01		L1821916-02		L1821916-03	
SAMPLE TYPE			SOIL VAPOR		SOIL VAPOR		AIR	
	CasNum	Units	Results	Qual	Results	Qual	Results	Qual
<b>Volatile Organics in Air</b>								
Dichlorodifluoromethane	75-71-8	ug/m3	2.37		2.74		2.17	
Chloromethane	74-87-3	ug/m3	0.582		< 0.413	U	1.02	
Vinyl chloride	75-01-4	ug/m3	0.511	U	0.511	U	0.511	U
Acetone	67-64-1	ug/m3	8.6		9.07		5.65	
Trichlorofluoromethane	75-69-4	ug/m3	1.24		1.34		1.25	
1,1-Dichloroethene	75-35-4	ug/m3	0.793	U	0.793	U	0.793	U
Methylene chloride	75-09-2	ug/m3	1.74	U	1.74	U	1.74	U
Carbon disulfide	75-15-0	ug/m3	0.682		3.83		< 0.623	U
trans-1,2-Dichloroethene	156-60-5	ug/m3	0.793	U	0.793	U	0.793	U
cis-1,2-Dichloroethene	156-59-2	ug/m3	0.793	U	0.793	U	0.793	U
Chloroform	67-66-3	ug/m3	10.4		6.84		< 0.977	U
n-Hexane	110-54-3	ug/m3	0.737		7.3		0.772	
1,1,1-Trichloroethane	71-55-6	ug/m3	1.09	U	1.09	U	1.09	U
Carbon tetrachloride	56-23-5	ug/m3	1.26	U	1.26	U	1.26	U
Cyclohexane	110-82-7	ug/m3	< 0.688	U	3.27		< 0.688	U
Trichloroethene	79-01-6	ug/m3	1.07	U	1.07	U	1.07	U
Heptane	142-82-5	ug/m3	< 0.82	U	0.975		< 0.82	U
4-Methyl-2-pentanone	108-10-1	ug/m3	18.3		12.5		< 2.05	U
Toluene	108-88-3	ug/m3	4.52		6.22		< 0.754	U
Tetrachloroethene	127-18-4	ug/m3	74.6		198		< 1.36	U

## Notes:

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

**APPENDIX A**  
**DIRECT-PUSH EXPLORATION LOGS**

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP01  
**ELEV.:** 100.09  
**START DATE:** 3/5/18  
**SHEET:** 1 of 2  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/5/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
2		1	CONCRETE 0.3'	
			Brown SILT & fine SAND, Some Brick, Clay (wet)	
4			5'	
			6'	
6		2	Gray SILT & CLAY (saturated)	
			Brown fine SAND & SILT, Some Clay (moist)	
8			8'	
			Brown SILT & CLAY (moist)	
10			12'	
			Brown fine SAND & SILT, Some Clay (moist)	
12		3	15'	
			Brown fine SAND & SILT, Some Clay (moist)	
14				
16		4	Gray CLAY, Some fine Sand & Silt seams (moist to wet)	
18				
20				

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP01  
**ELEV.:** 100.09  
**START DATE:** 3/5/18  
**SHEET** 2 of 2  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/5/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
22		5	5.0	Monitoring well installed. See Monitoring Well Construction Log for CTMMW-01.
24				
26			End of Boring at 25'	
28				
30				
32				
34				
36				
38				
40				

<b>DRILLING CONTRACTOR:</b> NYEG Drilling LLC	<b>GROUNDWATER LEVEL READINGS</b>		
<b>DIRECT-PUSH TYPE:</b> 7720DT Track Mounted	<b>DATE</b>	<b>LEVEL</b>	<b>REFERENCE MEASURING POINT</b>
<b>METHOD OF SAMPLING:</b> DT22 Dual Tube			
<p>THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.</p>			
<b>SAMPLE CLASSIFICATION BY:</b>			
D. Achtyl			

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP02  
**ELEV.:** 100.20  
**START DATE:** 3/5/18  
**SHEET** 1 of 3  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/5/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
0.2		1	1.7	CRUSHED STONE
2				Brown fine to medium SAND, Some Silt, little gravel (moist)
4				Brown fine to medium SAND, Some Silt, little gravel, trace plastic and concrete (moist)
5				
6		2	2.5	Light gray and brown SAND & GRAVEL (saturated)
7				
8				Mottled gray and brown SILT & CLAY, little fine sand, trace brick (wet)
9.5				Trace sheen noted at 9.5'
10				
12		3	2.5	
12.5				
14				Mottled gray and brown fine SAND & SILT (moist)
15				
16		4	5.0	Mottled gray and brown SILT & CLAY, Some fine Sand (moist to wet)
18				
20				

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP02  
**ELEV.:** 100.2  
**START DATE:** 3/5/18  
**SHEET** 2 of 3  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/5/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
22		5	5.0	Brown SILT & CLAY (moist) 20.5'	
				Gray and Brown fine SAND & SILT, Some Clay (moist to wet) 22.5'	
24				Gray fine SAND & SILT, Some Clay (moist to wet) 25'	
26		6	5.0	Gray SILT, Some fine Sand & Clay (most to wet) 30'	
28					
30					
32		7	5.0	Gray fine SAND & SILT, Some Clay seams (very moist to wet)	
34					
36		8	5.0	At 35', Grades to Gray fine SAND & SILT, Some Clay (wet to saturated)	
38					
40					

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP02  
**ELEV.:** 100.2  
**START DATE:** 3/5/18  
**SHEET** 3 of 3  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/5/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
42		9	5.0	Gray fine SAND & SILT, Some Clay (saturated)  At 44' Grades to Gray fine SAND & SILT, Some Clay seams (saturated)
44				
46		10	5.0	
48				
50		11	5.0	At 50' Grades to Gray fine SAND & SILT/CLAY (wet)
52				
54				
56				End of Boring at 55'
58				Boring abandoned with bentonite. Offset and install monitoring well. See Monitoring Well Construction Log for CTMMW-02.
60				

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP03  
**ELEV.:** 100.05  
**START DATE:** 3/6/18  
**SHEET** 1 of 1  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/6/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
2		1	2.4 CONCRETE 0.35'	
			Brown fine to medium SAND (wet) 1.5'	
			Mottled Gray and Brown SILT & CLAY, Some fine Sand (moist) 5'	
6		2	4.0 Brown SILT & CLAY and fine SAND seams (wet) 10'	
			10'	
12		3	4.5 Alternating Brown fine SAND & SILT and Gray SILT & CLAY seams (wet) 15'	
			15'	
16		4	5.0 Gray SILT & CLAY, little fine sand & silt seams (wet) 20'	
			20'	
End of Boring at 20'				

Monitoring well installed. See Monitoring Well Construction Log for CTMMW-03.

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP04  
**ELEV.:** 99.19  
**START DATE:** 3/6/18  
**SHEET** 1 of 1  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/6/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
2		1	2.7	Dark brown fine to medium SAND & SILT, trace organics (moist) 1'
4				Brown fine SAND & SILT (moist)
6		2	3.7	At 5' Grades to Brown fine SAND & SILT, Some Clay seams (wet) 10'
8				
10				
12		3	3.4	Brown CLAY, Some fine Sand & Silt seams (wet) 15'
14				
16		4	5.0	Gray CLAY, Some Silt, little fine sand (wet)
18				
20				End of Boring at 20'

Monitoring well installed. See Monitoring Well Construction Log for CTMMW-04.

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP05  
**ELEV.:** 99.56  
**START DATE:** 3/6/18  
**SHEET** 1 of 1  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/6/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
0.2'		1	1.7	ASPHALT
2				Brown fine to medium SAND (very moist)
4				4.75'
5'				Gray fine SAND & SILT/CLAY (very moist)
6		2	3.8	Brown fine SAND & SILT/CLAY, Some Clay seams (very moist to wet)
8				
10				10'
12		3	5.0	Brown CLAY, Some Silt with Some fine SAND & SILT seams (wet)
14				
16		4	5.0	Gray CLAY, Some Silt, little fine sand seams (wet)
18				
20				16'
End of Boring at 20'				

Monitoring well installed. See Monitoring Well Construction Log for CTMMW-05.

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP06  
**ELEV.:** 100.18  
**START DATE:** 3/7/18  
**SHEET** 1 of 1  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/7/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
0.35'		1	CONCRETE	
1'			Brown fine to medium SAND (wet)	
5'			Mottled Gray and Brown fine SAND & SILT, Some Clay (moist to wet)	
3.7'		2	Gray SILT & CLAY, Some fine Sand (wet)	
7.5'			Brown fine SAND & SILT, Some Clay (wet)	
10'			Brown fine SAND & SILT/CLAY (wet)	
13'		3	Gray SILT & CLAY, little fine sand seams (moist to wet)	
5.0'		4		
20'			End of Boring at 20'	Monitoring well installed. See Monitoring Well Construction Log for CTMMW-06.

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP07  
**ELEV.:** 100.06  
**START DATE:** 3/7/18  
**SHEET** 1 of 1  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/7/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
2		1	2.3	CONCRETE 0.35'
				BRICK & brown fine to medium SAND 1'
4				Gray SILT & CLAY (moist)
6		2	4.7	At 5' Grades to Gray SILT & CLAY, Some fine Sand (wet)
8				7.5'
10				Brown fine SAND & SILT, Some Clay (wet)
12		3	5.0	12.5'
14				Gray fine SAND & SILT/CLAY, Some fine Sand seams (wet)
16		4	5.0	15'
18				Gray SILT & CLAY, little fine sand seams (moist to wet)
20				End of Boring at 20'

Monitoring well installed. See Monitoring Well Construction Log for CTMMW-07.

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP07D  
**ELEV.:** 100.09  
**START DATE:** 3/13/18  
**SHEET** 1 of 3  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/13/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
0.35'		1	3.0	CONCRETE
1'				Brown fine to medium SAND (wet)
5'				Gray SILT & CLAY (moist to wet)
6'		2	3.9	Mottled Gray and Brown SILT & CLAY, Some fine Sand (wet)
7.5'				Brown fine SAND & SILT, Some Clay (wet)
10'				
13'		3	5.0	Brown SILT & CLAY, Some fine Sand (wet)
14'				Gray SILT & CLAY, little fine sand (moist)
15'		4	5.0	At 15' Grades to Gray SILT & CLAY, little fine sand seams (moist to wet)

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP07D  
**ELEV.:** 100.09  
**START DATE:** 3/13/18  
**SHEET:** 2 of 3  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/13/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
22		5	5.0	
24				
26		6	5.0	
28				
30				32'
32		7	5.0	
34				
36		8	5.0	
38				At 35' Grades to Gray fine SAND & SILT, little clay (saturated)
40				

<b>DRILLING CONTRACTOR:</b> NYEG Drilling LLC	<b>GROUNDWATER LEVEL READINGS</b>		
<b>DIRECT-PUSH TYPE:</b> 7720DT Track Mounted	<b>DATE</b>	<b>LEVEL</b>	<b>REFERENCE MEASURING POINT</b>
<b>METHOD OF SAMPLING:</b> DT22 Dual Tube			
<p>THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.</p>			
<p><b>SAMPLE CLASSIFICATION BY:</b> D. Achtyl</p>			

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP07D  
**ELEV.:** 100.09  
**START DATE:** 3/13/18  
**SHEET** 3 of 3  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/13/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE			SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER	RECOVERY (FT)		
42		9	5.0	Gray fine SAND & SILT, little clay (saturated)	This boring abandoned by tremie grouting from the bottom of the boring up, then removing casing to prevent carry down of contamination. Offset 5' and advance 3.25" casing with an expendable point to install monitoring well. See Monitoring Well Construction Log for CTMMW-07D.
44					
46				End of Boring at 45'	
48					
50					
52					
54					
56					
58					
60					

<b>DRILLING CONTRACTOR:</b> NYEG Drilling LLC	<b>GROUNDWATER LEVEL READINGS</b>		
<b>DIRECT-PUSH TYPE:</b> 7720DT Track Mounted	<b>DATE</b>	<b>LEVEL</b>	<b>REFERENCE MEASURING POINT</b>
<b>METHOD OF SAMPLING:</b> DT22 Dual Tube			
THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.			
SAMPLE CLASSIFICATION BY: D. Achtyl			

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP07X  
**ELEV.:**  
**START DATE:** 3/7/18  
**SHEET** 1 of 1  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/7/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
2		1	1.0	Drillers indicated while advancing from 0-5' an obstruction was noted at 1' and when the obstruction was broken through, the sampler dropped approximately 1.5'. Due to void/pipe present, abandon this location and offset. Placed 5 bags of bentonite chips in hole, and void was still present, open to approximately 3 feet below grade.
			CONCRETE 0.35'	
			Gray and Brown fine SAND & SILT (wet) 1'	
			VOID SPACE (possible buried pipe) 3'	
4				
6		2	5.0	
			At 5' Grades to Gray fine SAND & SILT/CLAY (wet) 7'	
8				
10				
			Brown fine SAND & SILT, Some Clay (wet)	
12				End of Boring at 10'
14				
16				
18				
20				

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP08  
**ELEV.:** 99.98  
**START DATE:** 3/7/18  
**SHEET** 1 of 1  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 3/7/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
0.3'		1	3.0	CONCRETE
1'				Brown fine to medium SAND (wet)
5'				Mottled gray and brown SILT & CLAY, Some fine Sand (moist)
6'		2	4.5	Gray SILT & CLAY, Some fine Sand (wet)
7'				Brown fine SAND & SILT, Some Clay (wet)
10'				Mottled gray and brown SILT & CLAY, Some fine Sand (wet)
13'		3	5.0	Gray CLAY, Some Silt, little brown fine sand seams (wet)
15'		4	5.0	At 15' Grades to Gray CLAY, Some Silt, little fine sand (moist)
20'				End of Boring at 20'

Monitoring well installed. See Monitoring Well Construction Log for CTMMW-08.

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7720DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP09  
**ELEV.:** 97.77  
**START DATE:** 6/11/18  
**SHEET** 1 of 1  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 6/11/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
2		1	2.6 ASPHALT 0.25'	
			Dark brown fine to coarse SAND & GRAVEL, Some Silt (moist) 1.5'	
			Brown SILT, Some fine Sand & Clay (moist) 5'	
6		2	4.1 Brown fine SAND & SILT, little clay (wet) 8'	
			Brown SILT & CLAY, little fine sand (moist) 10'	
12		3	5.0 Brown fine SAND & SILT, Some Clay (wet) 14.5'	
			Gray SILT & CLAY, Some fine Sand seams (wet) 16'	
18		4	5.0	
20				End of Boring at 20'

Monitoring well installed. See Monitoring Well Construction Log for CTMMW-09.

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7822DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

**GROUNDWATER LEVEL READINGS**

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP10  
**ELEV.:** 96.59  
**START DATE:** 6/11/18  
**SHEET:** 1 of 2  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 6/11/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
2		1	2.1	Brown fine to coarse SAND & SILT, trace gravel (moist)
4				Brown SILT & CLAY, Some fine Sand (moist)
6		2	3.2	Brown fine SAND & SILT, Some Clay (wet)
8				Brown SILT & CLAY, Some fine Sand (moist)
10		3	5.0	Brown fine SAND & SILT, Some Clay (wet)
12				
14		4	5.0	Gray SILT & CLAY, Some fine Sand seams (wet)
16				
18				
20				

<b>DRILLING CONTRACTOR:</b> NYEG Drilling LLC	<b>GROUNDWATER LEVEL READINGS</b>		
<b>DIRECT-PUSH TYPE:</b> 7822DT Track Mounted	<b>DATE</b>	<b>LEVEL</b>	<b>REFERENCE MEASURING POINT</b>
<b>METHOD OF SAMPLING:</b> DT22 Dual Tube			
<p>THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.</p>			
<p><b>SAMPLE CLASSIFICATION BY:</b> D. Achtyl</p>			

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP10  
**ELEV.:** 96.59  
**START DATE:** 6/11/18  
**SHEET:** 2 of 2  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 6/11/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
22	/	5	5.0	Gray SILT/CLAY & SAND (saturated)
24				
26				End of Boring at 25'
28				
30				
32				
34				
36				
38				
40				

Monitoring well installed. See Monitoring Well Construction Log for CTMMW-10.

<b>DRILLING CONTRACTOR:</b> NYEG Drilling LLC	<b>GROUNDWATER LEVEL READINGS</b>		
<b>DIRECT-PUSH TYPE:</b> 7822DT Track Mounted	<b>DATE</b>	<b>LEVEL</b>	<b>REFERENCE MEASURING POINT</b>
<b>METHOD OF SAMPLING:</b> DT22 Dual Tube			
THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.			
<b>SAMPLE CLASSIFICATION BY:</b> D. Achtyl			

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP11  
**ELEV.:** 96.20 **DATUM:** Assumed Benchmark  
**START DATE:** 6/11/18 **FINISH DATE:** 6/11/18  
**SHEET** 1 of 1

**PROJECT:** Master Cleaners Site **CTM PROJECT NO.:** 16.6345  
**LOCATION:** 2312 Western Avenue, Guilderland, New York **CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
1		1	3.0	Monitoring well installed. See Monitoring Well Construction Log for CTMMW-11.
2				
4				
5'				
6		2	5.0	
8				
8'				
10				
10'				
12		3	5.0	
14				
16		4	5.0	
18				
20				End of Boring at 20'

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7822DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP12  
**ELEV.:** 96.09  
**START DATE:** 6/11/18  
**SHEET** 1 of 2  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 6/11/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
2		1	3.0	Brown fine to coarse SAND & SILT, trace gravel (moist)  (becomes wet) 4' 5'
4				
6		2	2.7	
8				
10				Brown fine to coarse SAND & SILT, little clay (wet)  Dark brown fine to coarse SAND & SILT, little clay (wet) 8'
12		3	5.0	
14				Brown SILT & CLAY, little fine sand (moist to wet) 12'
16		4	5.0	Brown SILT & CLAY, little fine sand (moist clay layers, wet sand layers)
18				
20				

**DRILLING CONTRACTOR:** NYEG Drilling LLC  
**DIRECT-PUSH TYPE:** 7822DT Track Mounted  
**METHOD OF SAMPLING:** DT22 Dual Tube

GROUNDWATER LEVEL READINGS		
DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

**SAMPLE CLASSIFICATION BY:**  
 D. Achtyl

C.T. MALE ASSOCIATES



DIRECT-PUSH EXPLORATION LOG

**BORING NO.:** GP12  
**ELEV.:** 96.09  
**START DATE:** 6/11/18  
**SHEET** 2 of 2  
**DATUM:** Assumed Benchmark  
**FINISH DATE:** 6/11/18

**PROJECT:** Master Cleaners Site  
**LOCATION:** 2312 Western Avenue, Guilderland, New York  
**CTM PROJECT NO.:** 16.6345  
**CTM OBSERVER:** D. Achtyl

DEPTH (FT)	SAMPLE		SAMPLE CLASSIFICATION	NOTES
	INTERVAL	NUMBER		
22	22-25'	5	5.0	Gray SILT & CLAY, Some fine Sand seams (wet)
24				
26	25-28'	6	4.0	Gray SILT & SAND, Some Clay (wet)
28				Gray SILT & CLAY (moist)
30	28-35'	7	1.0	
32				
34				End of Boring at 35'
36				
38				
40				

<b>DRILLING CONTRACTOR:</b> NYEG Drilling LLC	<b>GROUNDWATER LEVEL READINGS</b>		
<b>DIRECT-PUSH TYPE:</b> 7822DT Track Mounted	<b>DATE</b>	<b>LEVEL</b>	<b>REFERENCE MEASURING POINT</b>
<b>METHOD OF SAMPLING:</b> DT22 Dual Tube			
<p>THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE EVALUATION. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T. MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.</p>			
<b>SAMPLE CLASSIFICATION BY:</b>			
D. Achtyl			

**APPENDIX B**  
**ORGANIC VAPOR HEADSPACE ANALYSIS LOGS**



# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

<b>PROJECT:</b> Master Cleaners Site			<b>PROJECT #:</b> 16.6345		<b>PAGE 1 OF 2</b>	
<b>CLIENT:</b> Charles Bohl Incorporated					<b>DATE</b>	
<b>LOCATION:</b> 2312 Western Avenue, Town of Guilderland, New York					<b>COLLECTED:</b> 3/5/18	
<b>INSTRUMENT USED:</b> MiniRAE 3000			<b>LAMP</b> 10.6 eV		<b>DATE</b>	
<b>DATE INSTRUMENT CALIBRATED:</b> 3/5/18			<b>BY:</b> D. Achtyl		<b>ANALYZED:</b> 3/5/18	
<b>TEMPERATURE OF SOIL:</b> ambient					<b>ANALYST:</b> D. Achtyl	
EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP01	1	0-5	Headspace	4.5	0.5	No odor / No staining
GP01	2	5-7.5	Headspace	10.1	0.5	Faint petroleum odor / No staining
GP01	2	7.5-10	Headspace	4.5	0.5	No odor / No staining
GP01	3	10-12.5	Headspace	5	0.5	No odor / No staining
GP01	3	12.5-15	Headspace	4.4	0.5	No odor / No staining
GP01	4	15-17.5	Headspace	2.4	0.5	No odor / No staining
GP01	4	17.5-20	Headspace	3	0.5	No odor / No staining
GP01	5	20-22.5	Headspace	1.3	0.5	No odor / No staining
GP01	5	22.5-25	Headspace	2.7	0.5	No odor / No staining
GP02	1	0-5	Headspace	3.5	0.2	No odor / No staining
GP02	2	5-7.5	Headspace	8.8	0.2	No odor / No staining
GP02	2	7.5-10	Headspace	148	0.2	Faint petroleum odor / Light sheen
GP02	3	10-12.5	Headspace	40.2	0.2	Faint petroleum odor / No staining
GP02	3	12.5-15	Headspace	11.4	0.2	No odor / No staining
GP02	4	15-17.5	Headspace	5	0.2	No odor / No staining
GP02	4	17.5-20	Headspace	4.6	0.2	No odor / No staining
GP02	5	20-22.5	Headspace	6.7	0.2	No odor / No staining
GP02	5	22.5-25	Headspace	2.4	0.2	No odor / No staining
GP02	6	25-27.5	Headspace	4.5	0.2	No odor / No staining
GP02	6	27.5-30	Headspace	3.6	0.2	No odor / No staining
GP02	7	30-32.5	Headspace	3.5	0.2	No odor / No staining
GP02	7	32.5-35	Headspace	3	0.2	No odor / No staining

\*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

\*\*PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

\*\*\* represents feet below the ground surface





# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

<b>PROJECT:</b> Master Cleaners Site			<b>PROJECT #:</b> 16.6345		<b>PAGE 1 OF 1</b>	
<b>CLIENT:</b> Charles Bohl Incorporated					<b>DATE COLLECTED:</b> 3/6/18	
<b>LOCATION:</b> 2312 Western Avenue, Town of Guilderland, New York						
<b>INSTRUMENT USED:</b> MiniRAE 3000			<b>LAMP:</b> 10.6 eV		<b>DATE ANALYZED:</b> 3/6/18	
<b>DATE INSTRUMENT CALIBRATED:</b> 3/6/18			<b>BY:</b> D. Achtyl		<b>ANALYST:</b> D. Achtyl	
<b>TEMPERATURE OF SOIL:</b> ambient						
EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP03	1	0-2.5	Headspace	4.9	0.3	No odor / No staining
GP03	1	2.5-5	Headspace	197	0.3	Faint solvent odor / No staining
GP03	2	5-7.5	Headspace	7.5	0.3	No odor / No staining
GP03	2	7.5-10	Headspace	1921	0.3	Solvent odor / No staining
GP03	3	10-12.5	Headspace	6100	0.3	Solvent odor / No staining
GP03	3	12.5-15	Headspace	100	0.3	Solvent odor / No staining
GP03	4	15-17.5	Headspace	3.1	0.3	No odor / No staining
GP03	4	17.5-20	Headspace	3.2	0.3	No odor / No staining
GP04	1	0-2.5	Headspace	9.3	0.2	No odor / No staining
GP04	1	2.5-5	Headspace	12.1	0.2	No odor / No staining
GP04	2	5-7.5	Headspace	55.5	0.3	No odor / No staining
GP04	2	7.5-10	Headspace	250	0.2	Faint solvent odor / No staining
GP04	3	10-12.5	Headspace	400	0.2	Faint solvent odor / No staining
GP04	3	12.5-15	Headspace	450	0.2	Faint solvent odor / No staining
GP04	4	15-17.5	Headspace	3.4	0.2	No odor / No staining
GP04	4	17.5-20	Headspace	1.7	0.2	No odor / No staining
GP05	1	0-5	Headspace	4.7	0.2	No odor / No staining
GP05	2	5-7.5	Headspace	18.3	0.2	No odor / No staining
GP05	2	7.5-10	Headspace	200	0.3	Faint solvent odor / No staining
GP05	3	10-12.5	Headspace	361	0.3	Faint solvent odor / No staining
GP05	3	12.5-15	Headspace	530	0.3	Faint solvent odor / No staining
GP05	4	15-17.5	Headspace	80	0.3	No odor / No staining
GP05	4	17.5-20	Headspace	3.1	0.3	No odor / No staining

\*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

\*\*PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

\*\*\* represents feet below the ground surface



# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

<b>PROJECT:</b> Master Cleaners Site			<b>PROJECT #:</b> 16.6345		<b>PAGE 1 OF 2</b>	
<b>CLIENT:</b> Charles Bohl Incorporated					<b>DATE</b>	
<b>LOCATION:</b> 2312 Western Avenue, Town of Guilderland, New York					<b>COLLECTED:</b> 3/7/18	
<b>INSTRUMENT USED:</b> MiniRAE 3000			<b>LAMP</b> 10.6 eV		<b>DATE</b>	
<b>DATE INSTRUMENT CALIBRATED:</b> 3/7/18			<b>BY:</b> D. Achtyl		<b>ANALYZED:</b> 3/7/18	
<b>TEMPERATURE OF SOIL:</b> ambient					<b>ANALYST:</b> D. Achtyl	
EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP06	1	0-2.5	Headspace	395	0.5	Solvent odor / No staining
GP06	1	2.5-5	Headspace	725	0.5	Solvent odor / No staining
GP06	2	5-7.5	Headspace	4551	0.5	Solvent odor / No staining
GP06	2	7.5-10	Headspace	4300	0.5	Solvent odor / No staining
GP06	3	10-12.5	Headspace	977	0.5	Solvent odor / No staining
GP06	3	12.5-15	Headspace	23	0.5	No odor / No staining
GP06	4	15-17.5	Headspace	2	0.5	No odor / No staining
GP06	4	17.5-20	Headspace	1.3	0.5	No odor / No staining
GP07X	1	0-5	Headspace	2550	0.5	Solvent odor / No staining
GP07X	2	5-7.5	Headspace	761	0.5	Solvent odor / No staining
GP07X	2	7.5-10	Headspace	2745	0.5	Solvent odor / No staining
GP07	1	0-2.5	Headspace	733	0.5	Solvent odor / No staining
GP07	1	2.5-5	Headspace	4000	0.5	Solvent odor / No staining
GP07	2	5-7.5	Headspace	2323	0.5	Solvent odor / No staining
GP07	2	7.5-10	Headspace	1150	0.5	Solvent odor / No staining
GP07	3	10-12.5	Headspace	274	0.5	Faint solvent odor / No staining
GP07	3	12.5-15	Headspace	165	0.5	Faint solvent odor / No staining
GP07	4	15-17.5	Headspace	2	0.5	No odor / No staining
GP07	4	17.5-20	Headspace	2	0.5	No odor / No staining
GP08	1	0-2.5	Headspace	265	0.5	No odor / No staining
GP08	1	2.5-5	Headspace	130	0.5	Faint solvent odor / No staining
GP08	2	5-7.5	Headspace	830	0.5	Solvent odor / No staining

\*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

\*\*PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

\*\*\* represents feet below the ground surface





# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

<b>PROJECT:</b> Master Cleaners Site			<b>PROJECT #:</b> 16.6345		<b>PAGE 1 OF 1</b>	
<b>CLIENT:</b> Charles Bohl Incorporated					<b>DATE</b>	
<b>LOCATION:</b> 2312 Western Avenue, Town of Guilderland, New York					<b>COLLECTED:</b> 3/13/18	
<b>INSTRUMENT USED:</b> MiniRAE 3000			<b>LAMP</b> 10.6 eV		<b>DATE</b>	
<b>DATE INSTRUMENT CALIBRATED:</b> 3/13/18			<b>BY:</b> D. Achtyl		<b>ANALYZED:</b> 3/13/18	
<b>TEMPERATURE OF SOIL:</b> ambient					<b>ANALYST:</b> D. Achtyl	
EXPLORATION	SAMPLE	DEPTH	SAMPLE	SAMPLE	BACKGROUND	REMARKS
NUMBER	NUMBER	(FT.)***	TYPE	READING (PPM)**	READING (PPM)**	
GP07D	1	0-2.5	Headspace	73.5	0.3	Solvent odor / No staining
GP07D	1	2.5-5	Headspace	551	0.3	Solvent odor / No staining
GP07D	2	5-7.5	Headspace	1903	0.3	Solvent odor / No staining
GP07D	2	7.5-10	Headspace	350	0.3	Solvent odor / No staining
GP07D	3	10-12.5	Headspace	630	0.3	Solvent odor / No staining
GP07D	3	12.5-15	Headspace	260	0.3	Solvent odor / No staining
GP07D	4	15-17.5	Headspace	2.4	0.3	No odor / No staining
GP07D	4	17.5-20	Headspace	2.1	0.3	No odor / No staining
GP07D	5	20-22.5	Headspace	2.9	0.3	No odor / No staining
GP07D	5	22.5-25	Headspace	3.5	0.3	No odor / No staining
GP07D	6	25-27.5	Headspace	2.0	0.3	No odor / No staining
GP07D	6	27.5-30	Headspace	2.9	0.3	No odor / No staining
GP07D	7	30-32.5	Headspace	1.0	0.3	No odor / No staining
GP07D	7	32.5-35	Headspace	2.3	0.3	No odor / No staining
GP07D	8	35-37.5	Headspace	1.5	0.3	No odor / No staining
GP07D	8	37.5-40	Headspace	1.8	0.3	No odor / No staining
GP07D	9	40-42.5	Headspace	1.7	0.3	No odor / No staining
GP07D	9	42.5-45	Headspace	1.9	0.3	No odor / No staining

\*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

\*\*PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

\*\*\* represents feet below the ground surface

**APPENDIX C**  
**MONITORING WELL CONSTRUCTION LOGS**

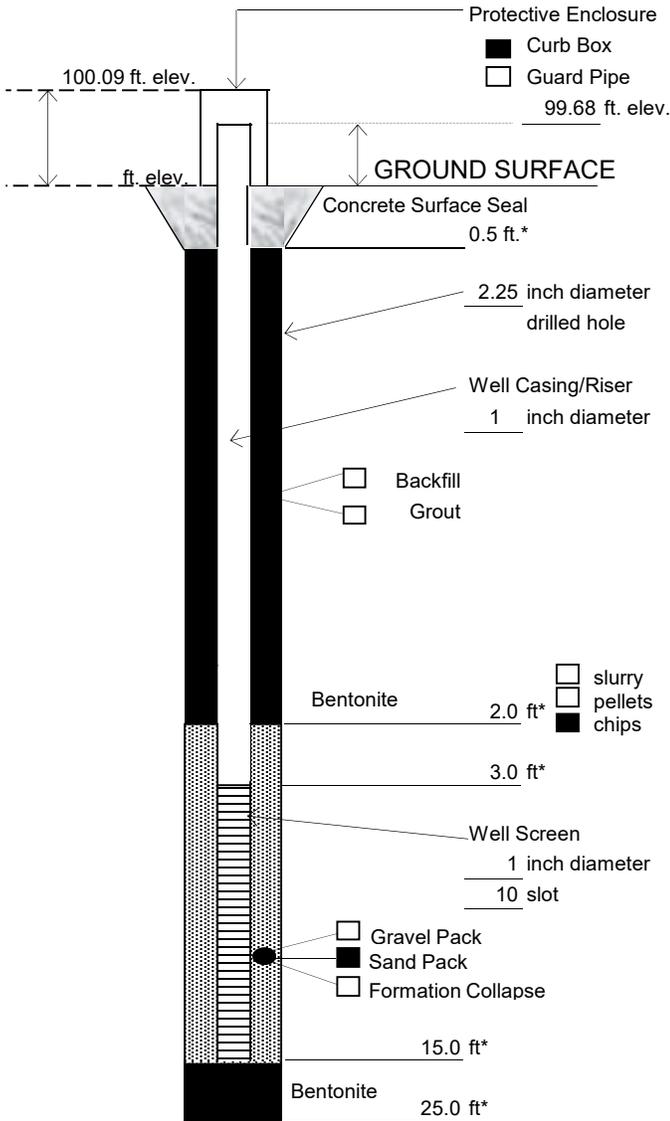


C.T. MALE ASSOCIATES

Well No. CTMMW-01

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-01 Boring No.: GP01

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 3/5/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 1.47 ft 3/29/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

- 1 Bags of Sand ( 50 lb. bags)  
Sand Size: #1 Brand: Filpro
- 1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular
- 12 ft. of PVC 10 Slot well screen
- 3 ft. of PVC well riser
- 1/4 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

- Bags of Cement (            lb. bags)
- Lbs. of Bentonite
- Gallons of Water
- Grout Batches

Notes:

Used 1/2 bag of bentonite chips to backfill from 25' to 15'.

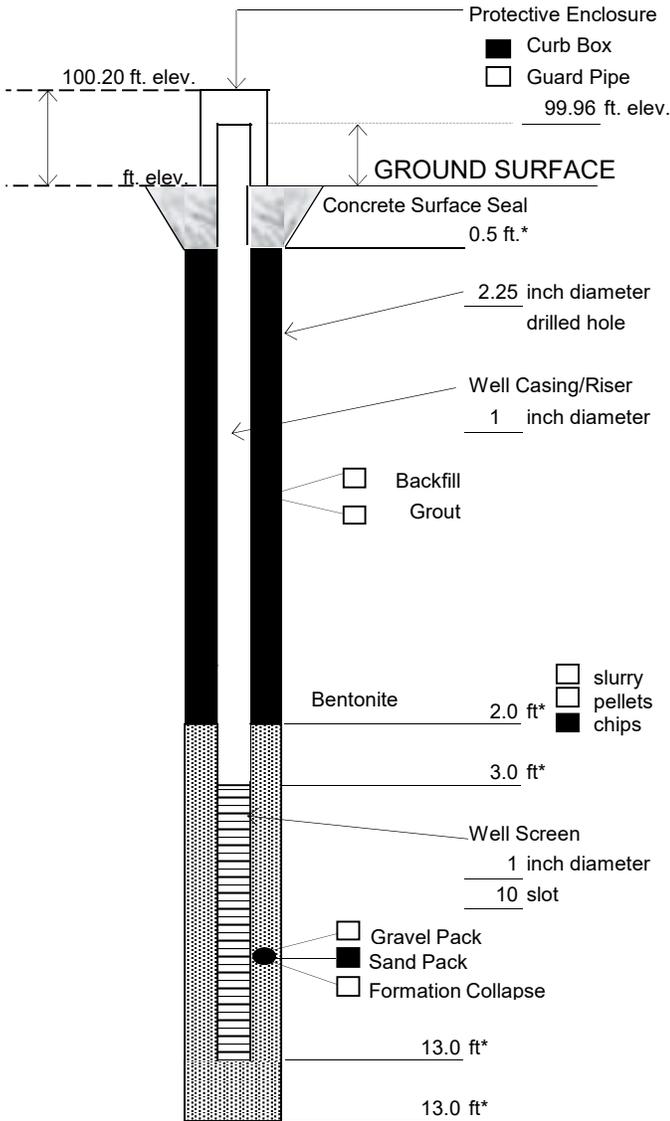


C.T. MALE ASSOCIATES

Well No. CTMMW-02

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-02 Boring No.: GP02

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 3/5/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 3.32 ft 3/29/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

- 1/2 Bags of Sand ( 50 lb. bags)  
Sand Size: #1 Brand: Filpro
- 1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular
- 10 ft. of PVC 10 Slot well screen
- 3 ft. of PVC well riser
- 1/3 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

- Bags of Cement (            lb. bags)
- Lbs. of Bentonite
- Gallons of Water
- Grout Batches

Notes:

Offset 3' from original location to install well.

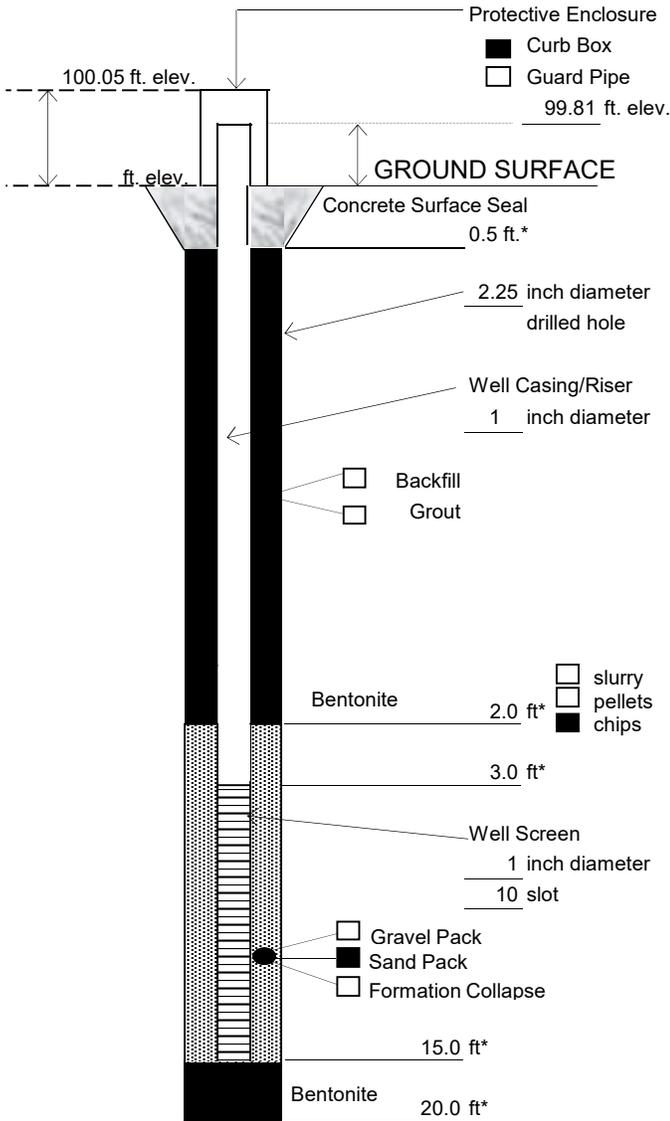


C.T. MALE ASSOCIATES

Well No. CTMMW-03

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-03 Boring No.: GP03

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 3/6/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 2.25 ft 3/29/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

- 3/4 Bags of Sand ( 50 lb. bags)  
Sand Size: #1 Brand: Filpro
- 1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular
- 12 ft. of PVC 10 Slot well screen
- 3 ft. of PVC well riser
- 1/4 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

- Bags of Cement (            lb. bags)
- Lbs. of Bentonite
- Gallons of Water
- Grout Batches

Notes:

Used 1/2 bag of bentonite to backfill from 20' to 15'.

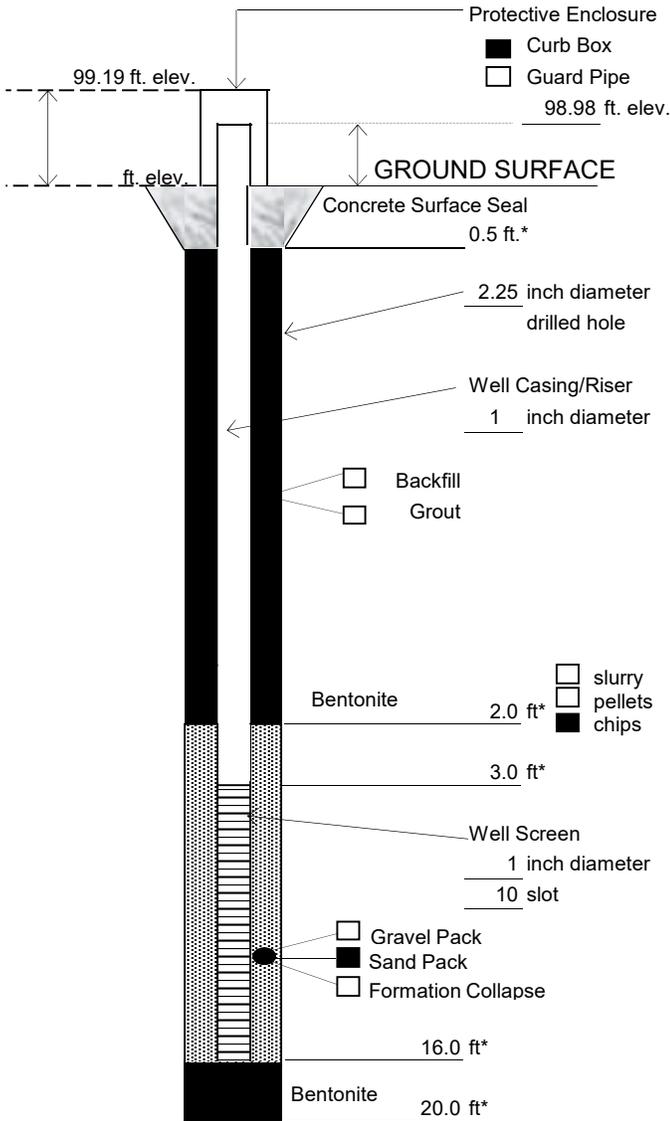


C.T. MALE ASSOCIATES

Well No. CTMMW-04

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-04 Boring No.: GP04

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 3/6/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 3.34 ft 3/29/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

- 3/4 Bags of Sand ( 50 lb. bags)  
Sand Size: #1 Brand: Filpro
- 1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular
- 13 ft. of PVC 10 Slot well screen
- 3 ft. of PVC well riser
- 1/3 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

- Bags of Cement (            lb. bags)
- Lbs. of Bentonite
- Gallons of Water
- Grout Batches

Notes:

Used 1/2 bag of bentonite chips to backfill from 20' to 15'.

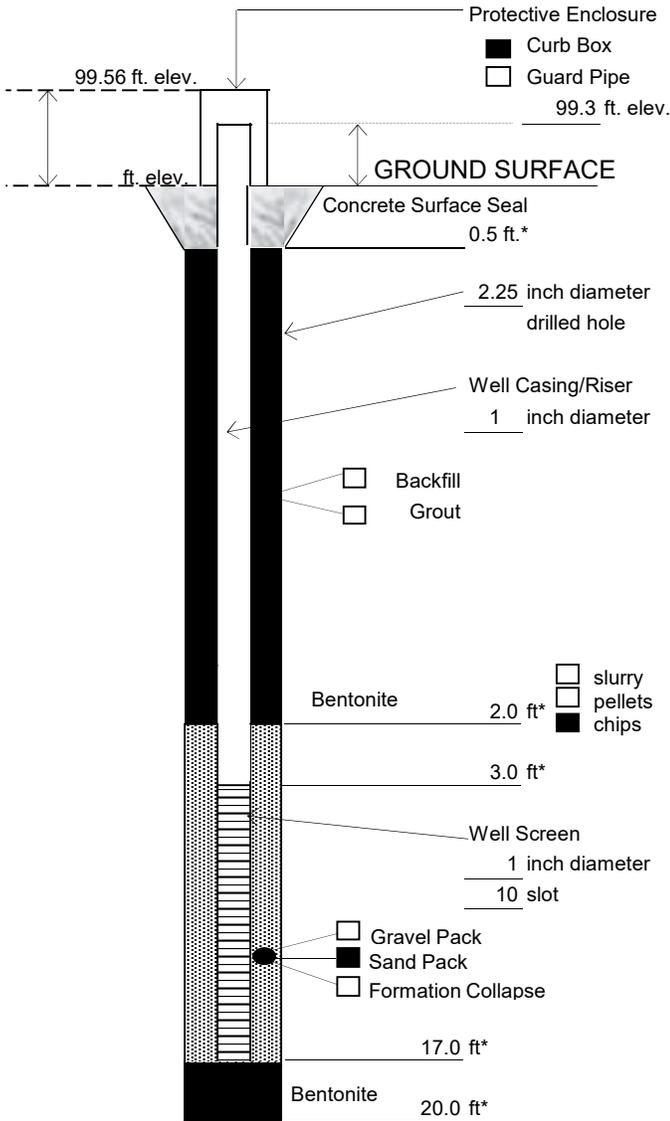


C.T. MALE ASSOCIATES

Well No. CTMMW-05

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-05 Boring No.: GP05

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 3/6/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 2.94 ft 3/29/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

3/4 Bags of Sand ( 50 lb. bags)  
Sand Size: #1 Brand: Filpro

1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular

14 ft. of PVC 10 Slot well screen

3 ft. of PVC well riser

1/3 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

           Bags of Cement (            lb. bags)

           Lbs. of Bentonite

           Gallons of Water

           Grout Batches

Notes:

Used 1/4 bag of bentonite to backfill from 20' to 17'.

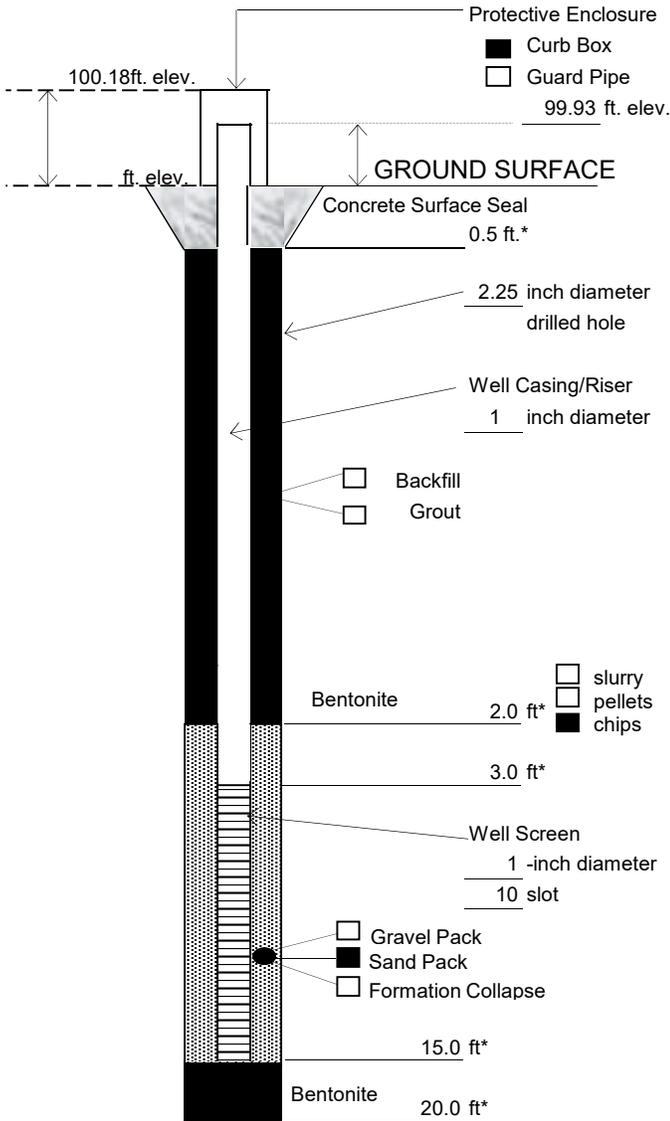


C.T. MALE ASSOCIATES

Well No. CTMMW-06

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-06 Boring No.: GP06

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 3/7/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 3.21 ft 3/29/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

3/4 Bags of Sand ( 50 lb. bags)  
Sand Size: #1 Brand: Filpro

1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular

12 ft. of PVC 10 Slot well screen

3 ft. of PVC well riser

1/4 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

           Bags of Cement (            lb. bags)

           Lbs. of Bentonite

           Gallons of Water

           Grout Batches

Notes:

Used 1/4 bag of bentonite chips to backfill from 20' to 15'.

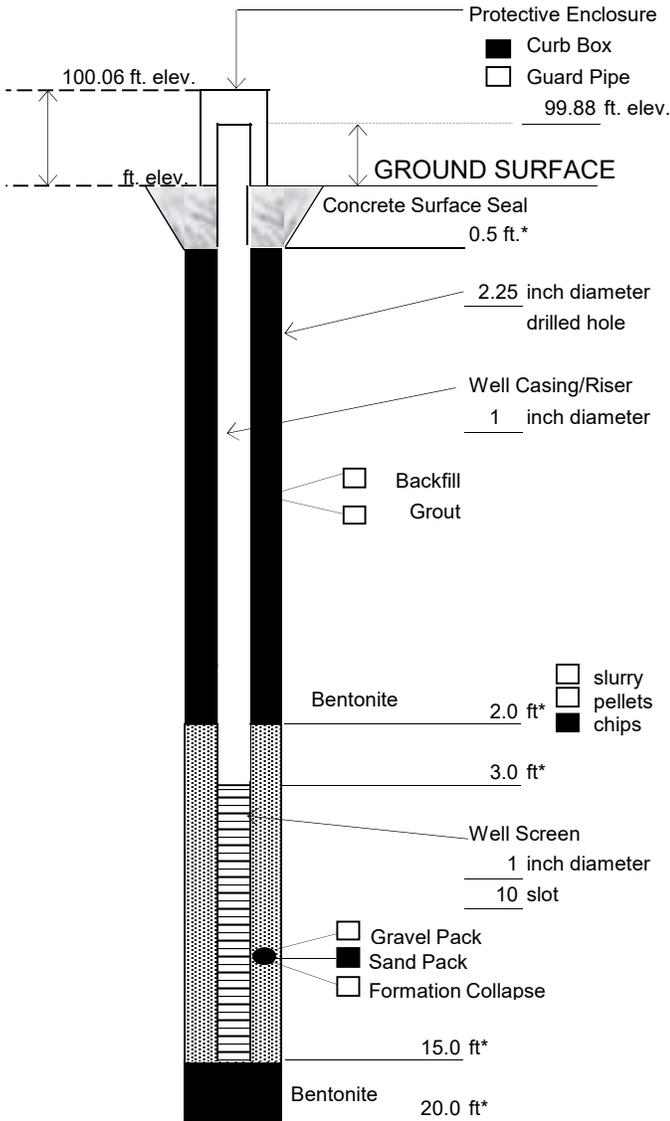


C.T. MALE ASSOCIATES

Well No. CTMMW-07

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-07 Boring No.: GP07

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 3/7/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 3.20 ft 3/29/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

- 3/4 Bags of Sand ( 50 lb. bags)  
Sand Size: #1 Brand: Filpro
- 1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular
- 12 ft. of PVC 10 Slot well screen
- 3 ft. of PVC well riser
- 1/4 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

- Bags of Cement (            lb. bags)
- Lbs. of Bentonite
- Gallons of Water
- Grout Batches

Notes:

Used 1/4 bag of bentonite chips to backfill from 20' to 15'.

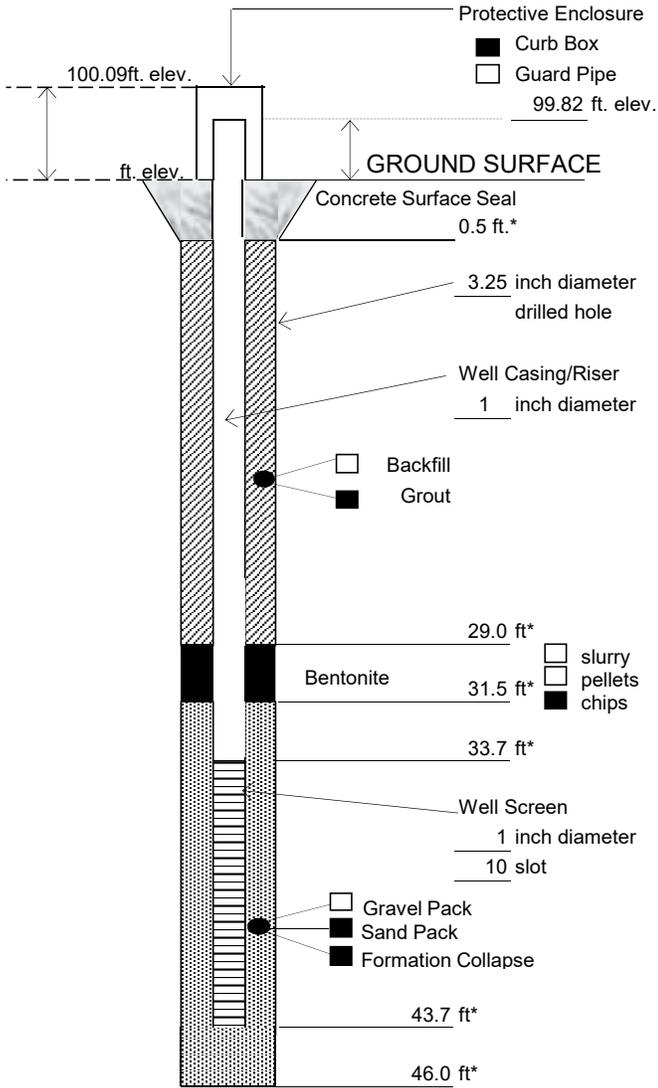


C.T. MALE ASSOCIATES

Well No. CTMMW-07D

# MONITORING WELL CONSTRUCTION LOG

PRELIMINARY



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-07D Boring No.: GP07D

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 3/13/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 25.1 ft 3/29/18  
Date

C.T. Male Observer: D. Achtyl

## Materials Used:

1 1/2 Bags of Sand ( 50 lb. bags)  
Sand Size: #1 Brand: Filpro

1/2 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular

10 ft. of PVC 10 Slot well screen

33.7 ft. of PVC well riser

1/4 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

## Grout Mixture:

1 Bags of Cement ( 94 lb. bags)

5 Lbs. of Bentonite

8 Gallons of Water

1 Grout Batches

## Notes:

Curb box installed on 3/14/2018

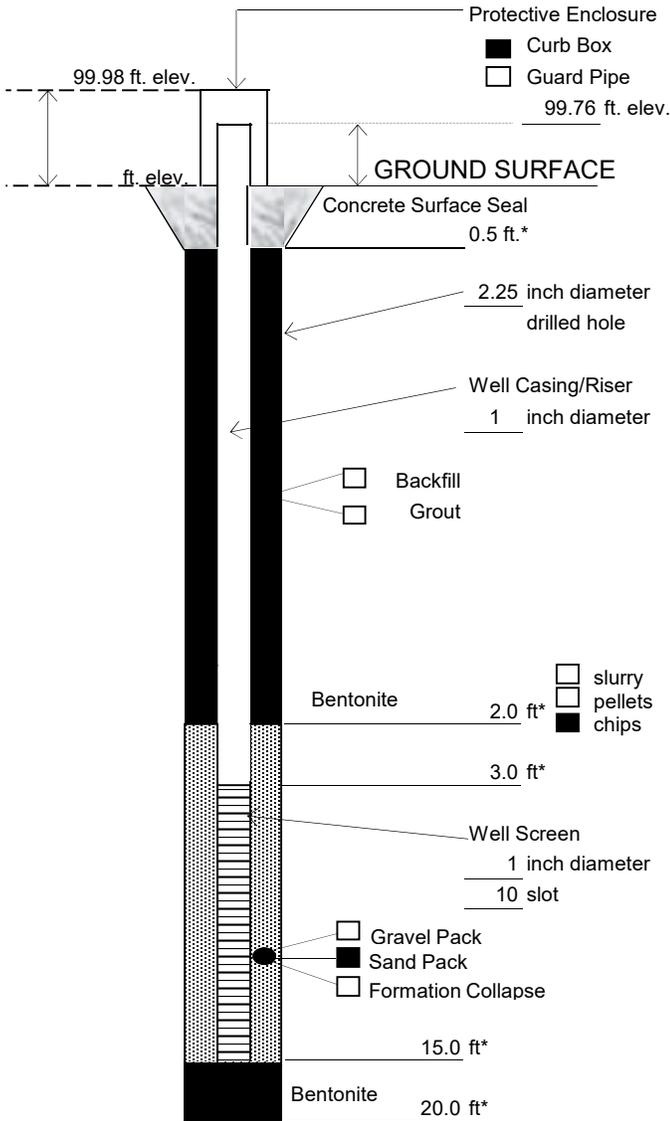


C.T. MALE ASSOCIATES

Well No. CTMMW-08

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-08 Boring No.: GP08

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 3/7/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 3.63 ft 3/29/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

- 1/5 Bags of Sand ( 50 lb. bags)  
Sand Size: #1 Brand: Filpro
- 1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular
- 12 ft. of PVC 10 Slot well screen
- 3 ft. of PVC well riser
- 1/4 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

- Bags of Cement (            lb. bags)
- Lbs. of Bentonite
- Gallons of Water
- Grout Batches

Notes:

Used 1/4 bag of bentonite chips to backfill from 20' to 15'.

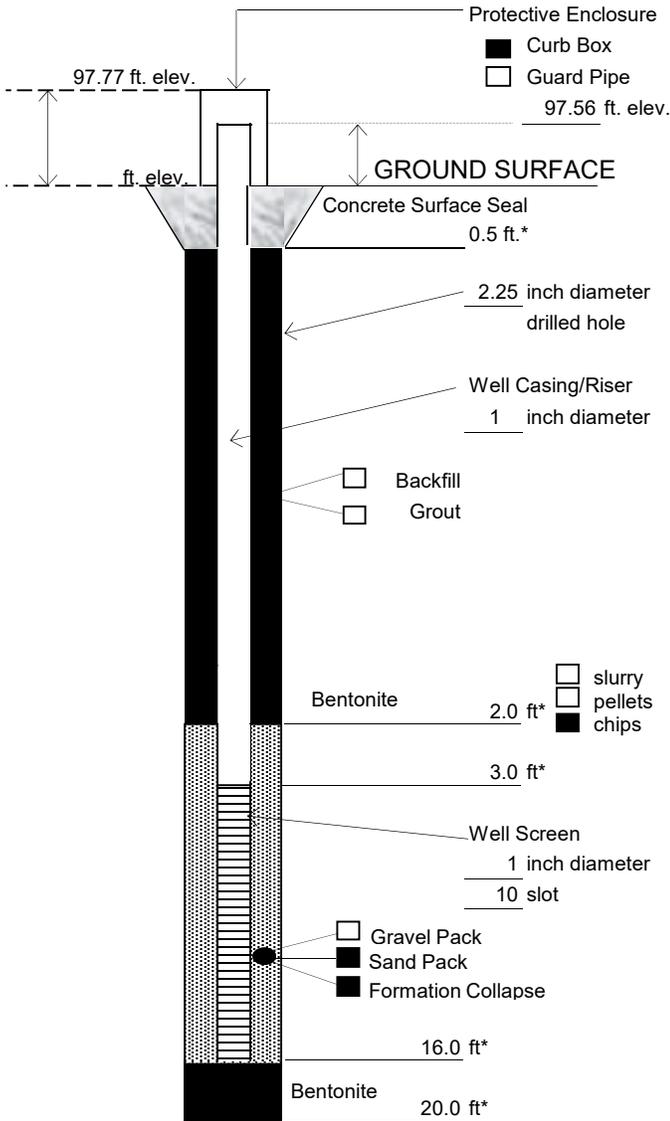


C.T. MALE ASSOCIATES

Well No. CTMMW-09

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-09 Boring No.: GP09

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 6/11/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 5.11 ft 6/12/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

- 1/2 Bags of Sand ( 50 lb. bags)  
Sand Size: #0 Brand: Filpro
- 1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular
- 13 ft. of PVC 10 Slot well screen
- 3 ft. of PVC well riser
- 1/2 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

- Bags of Cement (            lb. bags)
- Lbs. of Bentonite
- Gallons of Water
- Grout Batches

Notes:

Used bentonite chips to backfill from 20' to 16'.

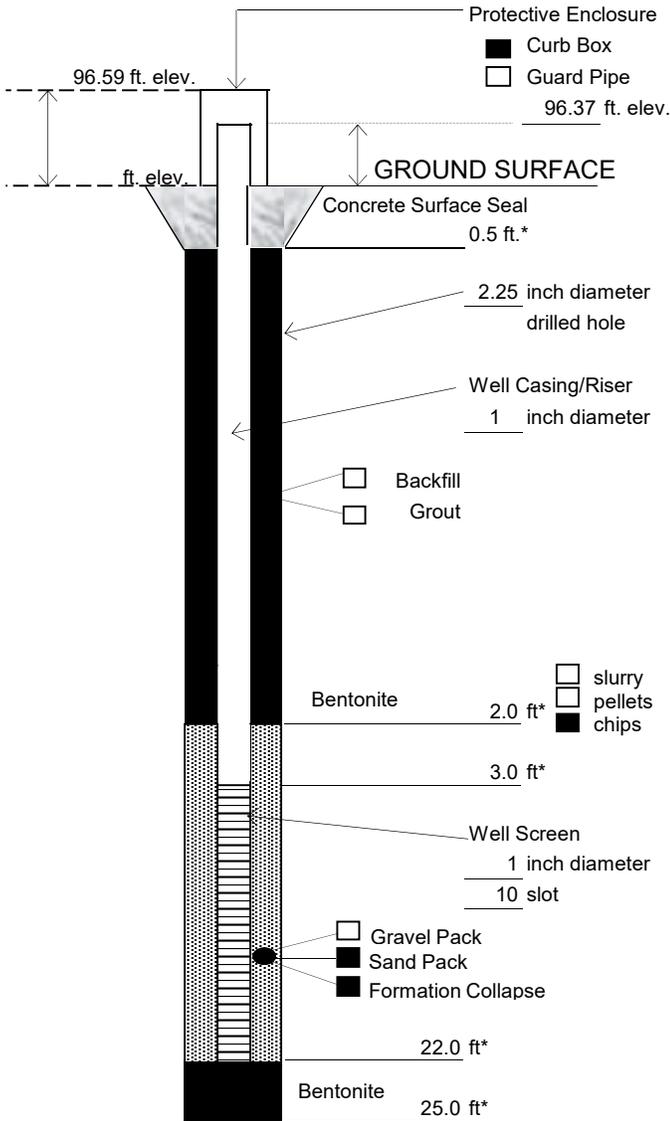


C.T. MALE ASSOCIATES

Well No. CTMMW-10

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-10 Boring No.: GP10

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 6/11/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 7.64 ft 6/12/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

- 1 Bags of Sand ( 50 lb. bags)  
Sand Size: #0 Brand: Filpro
- 1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular
- 19 ft. of PVC 10 Slot well screen
- 3 ft. of PVC well riser
- 1/2 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

- Bags of Cement (            lb. bags)
- Lbs. of Bentonite
- Gallons of Water
- Grout Batches

Notes:

Used bentonite chips to backfill from 25' to 22'.

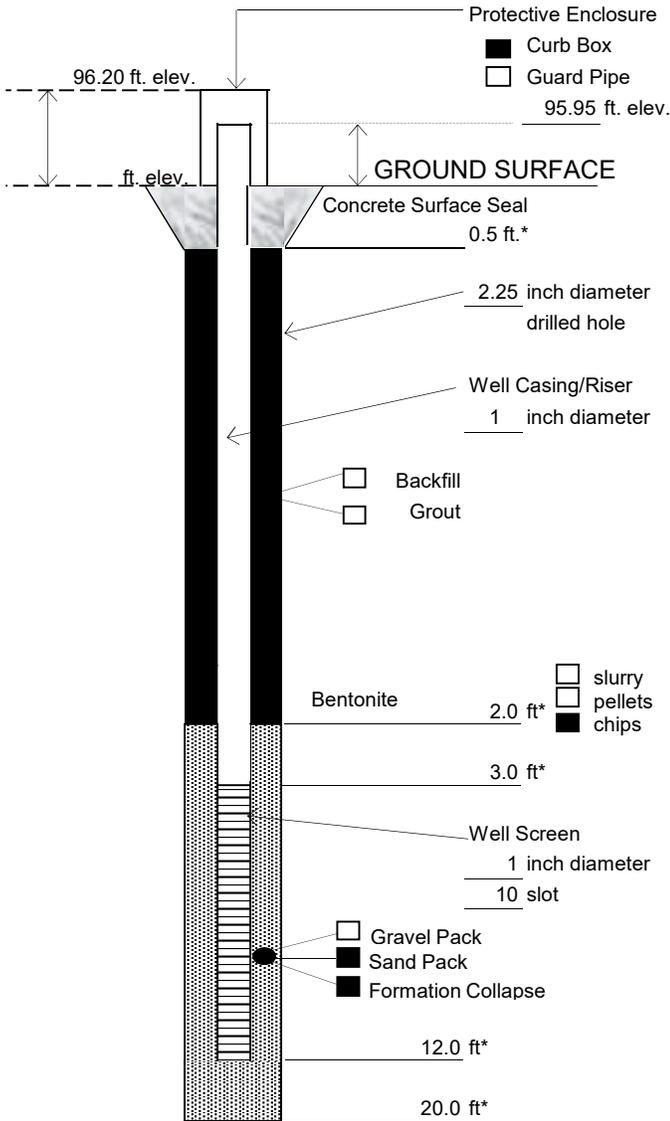


C.T. MALE ASSOCIATES

Well No. CTMMW-11

# MONITORING WELL CONSTRUCTION LOG

**PRELIMINARY**



\* Depth below ground surface.

Project Name: Master Cleaners Site

Project Number: 16.6345

Well No.: CTMMW-11 Boring No.: GP11

Town/City: Guilderland

County: Albany State: NY

Installation Date(s): 6/11/2018

Drilling Contractor: NYEG Drilling LLC

Drilling Method: Geoprobe

Water Depth From Top of Riser: 5.36 ft 6/12/18  
Date

C.T. Male Observer: D. Achtyl

Materials Used:

- 1/2 Bags of Sand ( 50 lb. bags)  
Sand Size: #0 Brand: Filpro
- 1/5 Bags of Bentonite ( 50 lb. bags)  
Brand: Cetco C/S Granular
- 9 ft. of PVC 10 Slot well screen
- 3 ft. of PVC well riser
- 1/2 Bags of Cement/Concrete ( 60 lb. bags)  
Brand: Quikrete

Grout Mixture:

- Bags of Cement (            lb. bags)
- Lbs. of Bentonite
- Gallons of Water
- Grout Batches

Notes:

Used 1/2 bag of bentonite chips to backfill from 20' to 15'.



**APPENDIX D**  
**GROUNDWATER SERVICES FIELD LOGS**

# Groundwater Services Field Log

DATE: 3/15/18 PROJECT NAME: Master Cleaners  
PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY  
SAMPLING PERSONNEL: DA  
MONITORING WELL ID#: CTMMW-01 NOTES TAKEN BY: DA  
DEPTH TO WATER: 0.90 FROM: TPK BAILER ID: \_\_\_\_\_  
DEPTH TO BOTTOM: 14.92 FROM: TPK BAILER: NEW DISPOSABLE  
WATER COLUMN HEIGHT: 13.52' BAILER: STAINLESS STEEL  
OTHER \_\_\_\_\_

WELL CASING DIAMETER \_\_\_\_\_  
WELL VOLUME: 0.6 GALLONS  
VOLUMES PURGED: 2.0 GALLONS  
TIME STARTED: 1415 ;

CONVERSION FACTORS LINEAR FEET TO GALLONS  
1" = 0.041 GALLONS      3" = 0.38 GALLONS  
1.25" = 0.064 GALLONS      4" = 0.66 GALLONS  
2" = 0.16 GALLONS      6" = 1.47 GALLONS  
PURGE METHOD: Peristaltic Pump  
TIME FINISHED: 1430

OBSERVATIONS: COLOR clear/cloudy ; ODOR solvent/petroleum  
SHEEN none ; TURBIDITY 23.4 NTU  
OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 0.15 ; RECOVERY TIME IN MINUTES: 0  
FIELD PARAMETERS: pH 7.3 , TEMPERATURE 7.3 °C  
CONDUCTIVITY 6.7 ms/cm , OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1430

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg  
Monitor headspace over purge bucket, did not exceed 1.5ppm

# Groundwater Services Field Log

DATE: 3.15.18 PROJECT NAME: Master Cleaners  
PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY  
SAMPLING PERSONNEL: Austin Lewandowski  
MONITORING WELL ID#: CTMMW-02 NOTES TAKEN BY: PAL  
DEPTH TO WATER: 3.18 FROM: TPVC BAILER ID: \_\_\_\_\_  
DEPTH TO BOTTOM: 13.13 FROM: TPVC BAILER: ~~NEW DISPOSABLE~~  
WATER COLUMN HEIGHT: 10.12 BAILER: STAINLESS STEEL  
OTHER: ~~PAL~~ <sup>12AL</sup> ~~PAL~~ <sup>PewRaps</sup>

## WELL CASING DIAMETER

WELL VOLUME: 0.42 GALLONS  
VOLUMES PURGED: ± 1.3-1.5 GALLONS

CONVERSION FACTORS LINEAR FEET TO GALLONS  
1" = 0.041 GALLONS 3" = 0.38 GALLONS  
1.25" = 0.064 GALLONS 4" = 0.66 GALLONS  
2" = 0.16 GALLONS 6" = 1.47 GALLONS

TIME STARTED: 0932 ; TIME FINISHED: 0941  
OBSERVATIONS: COLOR None ; ODOR None noted  
SHEEN None ; TURBIDITY 42 NTU  
OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 3.20' ; RECOVERY TIME IN MINUTES: ± 1<sup>1/2</sup> min  
FIELD PARAMETERS: pH 8.4 NTU , TEMPERATURE 3.7 °C  
CONDUCTIVITY 387  $\mu$ S-15 , OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 0955

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg

Groundwater Services Field Log

DATE: 3.5.18 PROJECT NAME: Master Cleaners

PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY

SAMPLING PERSONNEL: Austin Lewandowski

MONITORING WELL ID#: CTM MW-03 NOTES TAKEN BY: PAL

DEPTH TO WATER: 1.37 FROM: TPVC BAILER ID:                     

DEPTH TO BOTTOM: 13.89 FROM: TPVC BAILER: NEW DISPOSABLE

WATER COLUMN HEIGHT: 12.52 BAILER: STAINLESS STEEL

OTHER Peri Pump

WELL CASING DIAMETER

CONVERSION FACTORS LINEAR FEET TO GALLONS  
1" = 0.041 GALLONS      3" = 0.38 GALLONS  
1.25" = 0.064 GALLONS      4" = 0.66 GALLONS  
2" = 0.16 GALLONS      6" = 1.47 GALLONS

WELL VOLUME: 0.51 GALLONS

VOLUMES PURGED: ± 1.6 GALLONS

PURGE METHOD: Peristaltic Pump

TIME STARTED: 1515 ; TIME FINISHED: 1525

OBSERVATIONS: COLOR cloudy - brown ; ODOR solvent - strong  
SHEEN                      ; TURBIDITY OR NTU  
OTHER                     

WATER RECOVERY HEIGHT: 1.8' ; RECOVERY TIME IN MINUTES: 110

FIELD PARAMETERS: pH 8.05 , TEMPERATURE 7.7 °C

CONDUCTIVITY 851 μS , OTHER                     

SAMPLE COLLECTION TIME: 0515 1715

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg  
Well not fully developed due to high breaching zone readings during development (PID)

4.66 PAL  
2.6 dd = 9%

# Groundwater Services Field Log

DATE: 3.15.18 PROJECT NAME: Master Cleaners

PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY

SAMPLING PERSONNEL: Austin Leanderstein

MONITORING WELL ID#: CTA MW-04 NOTES TAKEN BY: PAL

DEPTH TO WATER: 2.55 FROM: TAP BAILER ID: \_\_\_\_\_

DEPTH TO BOTTOM: 14.21 FROM: TAP BAILER: NEW DISPOSABLE

WATER COLUMN HEIGHT: 11.60 BAILER: STAINLESS STEEL

OTHER Peri Pump

WELL CASING DIAMETER

WELL VOLUME: 0.48 GALLONS

VOLUMES PURGED: ± 1.5 GALLONS

TIME STARTED: 1110 ;

CONVERSION FACTORS LINEAR FEET TO GALLONS

1" = 0.041 GALLONS 3" = 0.38 GALLONS

1.25" = 0.064 GALLONS 4" = 0.66 GALLONS

2" = 0.16 GALLONS 6" = 1.47 GALLONS

PURGE METHOD: Peristaltic Pump

TIME FINISHED: 1120

OBSERVATIONS: COLOR clear to moderately cloudy ; ODOR none noted

SHEEN none ; TURBIDITY 3503 AU NATURAL

OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 2.59 ; RECOVERY TIME IN MINUTES: ± 25

FIELD PARAMETERS: pH 7.6 SU , TEMPERATURE 6.7 °C

CONDUCTIVITY 881 µS , OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1145

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg

MS/MSD collected at this location

# Groundwater Services Field Log

DATE: 3/15/18

PROJECT NAME: Master Cleaners

PROJECT NO.: 16.6345

PROJECT LOCATION: Guilderland, NY

SAMPLING PERSONNEL: DA

MONITORING WELL ID#: CTM MW05

NOTES TAKEN BY: DA

DEPTH TO WATER: 2.95' FROM: TPLC

BAILER ID: \_\_\_\_\_

DEPTH TO BOTTOM: 16.78' FROM: TPLC

BAILER: NEW DISPOSABLE

WATER COLUMN HEIGHT: 14.33'

BAILER: STAINLESS STEEL

OTHER \_\_\_\_\_

WELL CASING DIAMETER \_\_\_\_\_

CONVERSION FACTORS LINEAR FEET TO GALLONS

1" = 0.041 GALLONS      3" = 0.38 GALLONS

1.25" = 0.064 GALLONS      4" = 0.66 GALLONS

2" = 0.16 GALLONS      6" = 1.47 GALLONS

WELL VOLUME: 0.6 GALLONS

VOLUMES PURGED: 1 (dry) GALLONS

PURGE METHOD: Peristaltic Pump

TIME STARTED: 1035 ;

TIME FINISHED: 1040

OBSERVATIONS: COLOR clear/cloudy ;

ODOR none

SHEEN none ;

TURBIDITY 115 NTU

OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 2.45 ;

RECOVERY TIME IN MINUTES: 80

FIELD PARAMETERS: pH 7.9 ,

TEMPERATURE 6.6 °C

CONDUCTIVITY 275 µS ,

OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1200

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg

Well sampled dry, return to collect 1 amber and metals

# Groundwater Services Field Log

DATE: 3/15/18 PROJECT NAME: Master Cleaners  
PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY  
SAMPLING PERSONNEL: DA  
MONITORING WELL ID#: CTMMW-06 NOTES TAKEN BY: DA  
DEPTH TO WATER: 2.44' FROM: TPVC BAILER ID: \_\_\_\_\_  
DEPTH TO BOTTOM: 14.79' FROM: TPVC BAILER: NEW DISPOSABLE  
WATER COLUMN HEIGHT: 12.35' BAILER: STAINLESS STEEL  
OTHER \_\_\_\_\_

## WELL CASING DIAMETER

WELL VOLUME: 0.5 GALLONS  
VOLUMES PURGED: 1.0 (dry) GALLONS  
TIME STARTED: 1520 ;

CONVERSION FACTORS LINEAR FEET TO GALLONS

1" = 0.041 GALLONS	3" = 0.38 GALLONS
1.25" = 0.064 GALLONS	4" = 0.66 GALLONS
2" = 0.16 GALLONS	6" = 1.47 GALLONS

OBSERVATIONS: COLOR cloudy to clear ; ODOR strong solvent odor  
SHEEN none ; TURBIDITY OK NTU  
OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 3.53' ; RECOVERY TIME IN MINUTES: 45  
FIELD PARAMETERS: pH — , TEMPERATURE — °C  
CONDUCTIVITY — μS , OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1700

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg  
Head space of bucket over 200ppm, monitor breathing zone,  
less than 2ppm. This well was not developed fully due to high  
breathing zone readings.

# Groundwater Services Field Log

DATE: 3/19/18 PROJECT NAME: Master Cleaners  
PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY  
SAMPLING PERSONNEL: DA  
MONITORING WELL ID#: CTM MW07 NOTES TAKEN BY: DA  
DEPTH TO WATER: 2.88 FROM: TPU BAILER ID: \_\_\_\_\_  
DEPTH TO BOTTOM: 5.15' FROM: TAC BAILER: NEW DISPOSABLE  
WATER COLUMN HEIGHT: 12.12' BAILER: STAINLESS STEEL  
OTHER \_\_\_\_\_

## WELL CASING DIAMETER

WELL VOLUME: 0.5 GALLONS  
VOLUMES PURGED: 10 (dry) GALLONS  
TIME STARTED: 1255 ;

CONVERSION FACTORS LINEAR FEET TO GALLONS

1" = 0.041 GALLONS	3" = 0.38 GALLONS
1.25" = 0.064 GALLONS	4" = 0.66 GALLONS
2" = 0.16 GALLONS	6" = 1.47 GALLONS

OBSERVATIONS: COLOR clear to cloudy ; ODOR solvent  
SHEEN none ; TURBIDITY \_\_\_\_\_ NTU  
OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 3.10' ; RECOVERY TIME IN MINUTES: 45  
FIELD PARAMETERS: pH \_\_\_\_\_ , TEMPERATURE 9.0 °C  
CONDUCTIVITY 1503 µS , OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1345

NOTES: \* Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg  
5 Hat ±13'

# Groundwater Services Field Log

DATE: 3/19/10 PROJECT NAME: Master Cleaners  
PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY  
SAMPLING PERSONNEL: DA  
MONITORING WELL ID#: CTMMW-07D NOTES TAKEN BY: DA  
DEPTH TO WATER: 25.95' FROM: TPVC BAILER ID: \_\_\_\_\_  
DEPTH TO BOTTOM: 43.05' FROM: TPVC BAILER: NEW DISPOSABLE  
WATER COLUMN HEIGHT: 17.6' BAILER: STAINLESS STEEL  
OTHER \_\_\_\_\_

WELL CASING DIAMETER \_\_\_\_\_  
WELL VOLUME: 0.7 GALLONS  
VOLUMES PURGED: 0.5 GALLONS  
TIME STARTED: 1220 / 1300 ; TIME FINISHED: 1240 / 1330  
OBSERVATIONS: COLOR clear/cloudy ; ODOR none  
SHEEN none ; TURBIDITY \_\_\_\_\_ NTU  
OTHER \_\_\_\_\_

CONVERSION FACTORS LINEAR FEET TO GALLONS  
1" = 0.041 GALLONS      3" = 0.38 GALLONS  
1.25" = 0.064 GALLONS      4" = 0.66 GALLONS  
2" = 0.16 GALLONS      6" = 1.47 GALLONS

WATER RECOVERY HEIGHT: 26.03' ; RECOVERY TIME IN MINUTES: 75  
FIELD PARAMETERS: pH 10.5 , TEMPERATURE 6.7 °C  
CONDUCTIVITY 462 μS , OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1445  
NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg

# Groundwater Services Field Log

DATE: 3/19/14 PROJECT NAME: Master Cleaners  
PROJECT NO.: 16.6345 PROJECT LOCATION: Guiderland, NY  
SAMPLING PERSONNEL: DA  
MONITORING WELL ID#: ETM MW-08 NOTES TAKEN BY: ph  
DEPTH TO WATER: 3.30 FROM: TPVC BAILER ID: \_\_\_\_\_  
DEPTH TO BOTTOM: 14.20 FROM: TPVC BAILER: NEW DISPOSABLE  
WATER COLUMN HEIGHT: 10.90 BAILER: STAINLESS STEEL  
OTHER \_\_\_\_\_

## WELL CASING DIAMETER

WELL VOLUME: 0.45 GALLONS

VOLUMES PURGED: 0.75 GALLONS

TIME STARTED: 1235 ;

OBSERVATIONS: COLOR clear to cloudy ;  
SHEEN none ;  
OTHER \_\_\_\_\_

## CONVERSION FACTORS LINEAR FEET TO GALLONS

1" = 0.041 GALLONS      3" = 0.38 GALLONS  
1.25" = 0.064 GALLONS      4" = 0.66 GALLONS  
2" = 0.16 GALLONS      6" = 1.47 GALLONS

PURGE METHOD: Peristaltic Pump

TIME FINISHED: 1245

ODOR solvent  
TURBIDITY OK NTU

WATER RECOVERY HEIGHT: 4.20 ; RECOVERY TIME IN MINUTES: 40

FIELD PARAMETERS: pH 7.0 , TEMPERATURE 9.3 °C

CONDUCTIVITY 1260 µS , OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1415

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg

3.49

# Groundwater Services Field Log

DATE: 3.15.18 PROJECT NAME: Master Cleaners  
PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY  
SAMPLING PERSONNEL: Ashia Lovander  
MONITORING WELL ID#: MW-1 NOTES TAKEN BY: PAL  
DEPTH TO WATER: 6.28 FROM: TPVC BAILER ID: \_\_\_\_\_  
DEPTH TO BOTTOM: 29.65 FROM: TPVC BAILER: NEW-DISPOSABLE  
WATER COLUMN HEIGHT: 23.37' BAILER: STAINLESS-STEEL  
OTHER: \_\_\_\_\_

WELL CASING DIAMETER \_\_\_\_\_  
WELL VOLUME: 0.96 GALLONS  
VOLUMES PURGED: ± 3.0<sup>gal</sup> GALLONS  
TIME STARTED: 0855 ; TIME FINISHED: 0920  
OBSERVATIONS: COLOR Brown-Cloudy ; ODOR none noted  
SHEEN none ; TURBIDITY OR NTU  
OTHER \_\_\_\_\_

CONVERSION FACTORS LINEAR FEET TO GALLONS  
1" = 0.041 GALLONS 3" = 0.38 GALLONS  
1.25" = 0.064 GALLONS 4" = 0.66 GALLONS  
2" = 0.16 GALLONS 6" = 1.47 GALLONS

WATER RECOVERY HEIGHT: 6.78' ; RECOVERY TIME IN MINUTES: 1 hour 15 min  
FIELD PARAMETERS: pH 7.7 SU, TEMPERATURE 8.0 °C  
CONDUCTIVITY 415 µS/cm, OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1045  
NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg

# Groundwater Services Field Log

DATE: 3/15/18

PROJECT NAME: Master Cleaners

PROJECT NO.: 16.6345

PROJECT LOCATION: Guilderland, NY

SAMPLING PERSONNEL: DA

MONITORING WELL ID#: MW-2

NOTES TAKEN BY: DA

DEPTH TO WATER: 4.73' FROM: TPVC

BAILER ID: \_\_\_\_\_

DEPTH TO BOTTOM: 27.2 / 40' FROM: TPVC

BAILER: NEW DISPOSABLE

WATER COLUMN HEIGHT: 22.47 / 35.27'

BAILER: STAINLESS STEEL

OTHER \_\_\_\_\_

WELL CASING DIAMETER \_\_\_\_\_

CONVERSION FACTORS LINEAR FEET TO GALLONS

WELL VOLUME: 0.9 / 1.4 GALLONS

1" = 0.041 GALLONS      3" = 0.38 GALLONS

1.25" = 0.064 GALLONS      4" = 0.66 GALLONS

2" = 0.16 GALLONS      6" = 1.47 GALLONS

VOLUMES PURGED: 4.2 GALLONS

PURGE METHOD: Peristaltic Pump

TIME STARTED: 1100 ;

TIME FINISHED: 1145

OBSERVATIONS: COLOR cloudy ;

ODOR none

SHEEN none ;

TURBIDITY OK NTU

OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 5.70' ;

RECOVERY TIME IN MINUTES: 105

FIELD PARAMETERS: pH 7.6 ,

TEMPERATURE 7.6 °C

CONDUCTIVITY 602  $\mu$ S ,

OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1330

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg

\* Well reportedly 40' deep. Bottom at 27.2', try to remove some silt, down to 33'.

# Groundwater Services Field Log

DATE: 3.15.19 PROJECT NAME: Master Cleaners  
PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY  
SAMPLING PERSONNEL: Austin Lewandowski  
MONITORING WELL ID#: MW-3 NOTES TAKEN BY: DAL  
DEPTH TO WATER: 9.15 FROM: TIPL BAILER ID: \_\_\_\_\_  
DEPTH TO BOTTOM: 23.4 FROM: TIPL BAILER: NEW DISPOSABLE  
WATER COLUMN HEIGHT: 19.25 BAILER: STAINLESS STEEL  
OTHER Peri Pump

## WELL CASING DIAMETER

WELL VOLUME: 0.79 GALLONS

VOLUMES PURGED: ~~2.5~~ 2.0 GALLONS

TIME STARTED: 1330 ; TIME FINISHED: 1345

OBSERVATIONS: COLOR cloudy - brown ; ODOR mild solvent odor  
SHEEN mild ; TURBIDITY OK NTU  
OTHER —

WATER RECOVERY HEIGHT: 4.95 ; RECOVERY TIME IN MINUTES: 265

FIELD PARAMETERS: pH 7.5<sub>su</sub> , TEMPERATURE 99 °C

CONDUCTIVITY 1310 μS , OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1450

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg

Well run dry @ 1345 with 20 gallons purged

6.075 - 90%  
17.325

# Groundwater Services Field Log

DATE: 3.15.18 PROJECT NAME: Master Cleaners  
PROJECT NO.: 16.6345 PROJECT LOCATION: Guilderland, NY  
SAMPLING PERSONNEL: Austin Lewandowski  
MONITORING WELL ID#: ~~PAW-1~~ MW-41 NOTES TAKEN BY: PAL  
DEPTH TO WATER: 5.66 FROM: TPVC BAILER ID: \_\_\_\_\_  
DEPTH TO BOTTOM: 25.65 FROM: TPVC BAILER: NEW DISPOSABLE  
WATER COLUMN HEIGHT: 19.99 BAILER: STAINLESS STEEL  
OTHER Peri pump

WELL CASING DIAMETER

CONVERSION FACTORS LINEAR FEET TO GALLONS  
1" = 0.041 GALLONS 3" = 0.38 GALLONS  
1.25" = 0.064 GALLONS 4" = 0.66 GALLONS  
2" = 0.16 GALLONS 6" = 1.47 GALLONS

WELL VOLUME: 0.82 GALLONS

VOLUMES PURGED: ~~2.5~~ ±1.5 GALLONS

PURGE METHOD: Peristaltic Pump

TIME STARTED: 1300

TIME FINISHED: 1313

OBSERVATIONS: COLOR Brown - very cloudy

ODOR None noted

SHEEN None

TURBIDITY OR NTU

OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 6.71

RECOVERY TIME IN MINUTES: ±47

FIELD PARAMETERS: pH ~~7.85~~ 7.75

TEMPERATURE 9.6 °C

CONDUCTIVITY 1573 µS

OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1400

NOTES: Samples collected for TCL VOC, TCL SVOC, TCL PCB, TAL Metals+Cn&Hg

Well ran dry @ ±1313, ±1.5 gallons purged

~~79.99~~  
~~78.54~~ PAL

# Groundwater Services Field Log

DATE: 5/12/2018

PROJECT NAME: Master Cleaners

PROJECT NO.: 16.6345

PROJECT LOCATION: Guildford, NH

SAMPLING PERSONNEL: DA

MONITORING WELL ID#: CTMMW-09

NOTES TAKEN BY: DA

DEPTH TO WATER: 5.11' FROM: TPVC

BAILER ID: \_\_\_\_\_

DEPTH TO BOTTOM: 15.78' FROM: TPVC

BAILER: NEW DISPOSABLE

WATER COLUMN HEIGHT: 10.67'

BAILER: STAINLESS STEEL

OTHER \_\_\_\_\_

WELL CASING DIAMETER

CONVERSION FACTORS LINEAR FEET TO GALLONS

WELL VOLUME: 0.49 GALLONS

1" = 0.041 GALLONS      3" = 0.38 GALLONS

VOLUMES PURGED: 2 GALLONS

1.25" = 0.064 GALLONS      4" = 0.66 GALLONS

TIME STARTED: 0945 ;

2" = 0.16 GALLONS      6" = 1.47 GALLONS

PURGE METHOD: peri pump

OBSERVATIONS: COLOR cloudy ;

TIME FINISHED: 1000

SHEEN none ;

ODOR faint solvent

OTHER \_\_\_\_\_

TURBIDITY >1000 NTU

WATER RECOVERY HEIGHT: 5.86' ;

RECOVERY TIME IN MINUTES: 120

FIELD PARAMETERS: pH 7.6 ,

TEMPERATURE 13.3°C

CONDUCTIVITY 673  $\mu$ S ,

OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1200

NOTES: Sample collected for VOCs

Groundwater Services Field Log

DATE: 6/12/2018

PROJECT NAME: Master Cleaners

PROJECT NO.: 16-6349

PROJECT LOCATION: Guilderland, NY

SAMPLING PERSONNEL: DA

MONITORING WELL ID#: CTMMW-10

NOTES TAKEN BY: DA

DEPTH TO WATER: 7.64' FROM: TVC

BAILER ID: \_\_\_\_\_

DEPTH TO BOTTOM: 21.51' FROM: TVC

BAILER: NEW DISPOSABLE

WATER COLUMN HEIGHT: 13.87'

BAILER: STAINLESS STEEL

OTHER \_\_\_\_\_

WELL CASING DIAMETER

CONVERSION FACTORS LINEAR FEET TO GALLONS

WELL VOLUME: 0.57 GALLONS

1" = 0.041 GALLONS      3" = 0.38 GALLONS

VOLUMES PURGED: 1.5 GALLONS

1.25" = 0.064 GALLONS      4" = 0.66 GALLONS

TIME STARTED: 0910 ;

2" = 0.16 GALLONS      6" = 1.47 GALLONS

PURGE METHOD: peri pump

TIME FINISHED: 0925

OBSERVATIONS: COLOR cloudy brown ;

ODOR paint solvent

SHEEN none ;

TURBIDITY >1000 NTU

OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 8.20' ;

RECOVERY TIME IN MINUTES: 175

FIELD PARAMETERS: pH 7.8 ,

TEMPERATURE 13.4°c

CONDUCTIVITY 2.36  $\mu$ S ,

OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1220

NOTES: sampled for VOCs

Groundwater Services Field Log

DATE: 6/12/2018

PROJECT NAME: Master Clematis

PROJECT NO.: 16.6345

PROJECT LOCATION: Guilderland, NY

SAMPLING PERSONNEL: DA

MONITORING WELL ID#: CTMMW-11

NOTES TAKEN BY: DA

DEPTH TO WATER: 5.36' FROM: TPVC

BAILER ID: \_\_\_\_\_

DEPTH TO BOTTOM: 11.75' FROM: TPVC

BAILER: NEW DISPOSABLE

WATER COLUMN HEIGHT: 6.39'

BAILER: STAINLESS STEEL

OTHER \_\_\_\_\_

WELL CASING DIAMETER

CONVERSION FACTORS LINEAR FEET TO GALLONS

WELL VOLUME: 0.26 GALLONS

①" = 0.041 GALLONS      3" = 0.38 GALLONS

VOLUMES PURGED: 0.75 GALLONS

1.25" = 0.064 GALLONS      4" = 0.66 GALLONS

TIME STARTED: 0755 ;

2" = 0.16 GALLONS      6" = 1.47 GALLONS

PURGE METHOD: per pump

TIME FINISHED: 0805

OBSERVATIONS: COLOR clear to cloudy ;

ODOR none

SHEEN none ;

TURBIDITY >1000 NTU

OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 6.00' ;

RECOVERY TIME IN MINUTES: 270

FIELD PARAMETERS: pH 8.0 ,

TEMPERATURE 12.9°C

CONDUCTIVITY 737  $\mu$ S ,

OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1235

NOTES: Sample collected for VOCs

Groundwater Services Field Log

DATE: 6/12/2018

PROJECT NAME: Master Cleaners

PROJECT NO.: ~~008148~~ 16.6345

PROJECT LOCATION: En. / Derkaf, NY

SAMPLING PERSONNEL: DA

MONITORING WELL ID#: CTMMW-12

NOTES TAKEN BY: DA

DEPTH TO WATER: 13.27' FROM: TPVC

BAILER ID: \_\_\_\_\_

DEPTH TO BOTTOM: 29.60' FROM: TPVC

BAILER: NEW DISPOSABLE

WATER COLUMN HEIGHT: 16.33

BAILER: STAINLESS STEEL

OTHER \_\_\_\_\_

WELL CASING DIAMETER \_\_\_\_\_

CONVERSION FACTORS LINEAR FEET TO GALLONS  
1" = 0.041 GALLONS      3" = 0.38 GALLONS  
1.25" = 0.064 GALLONS      4" = 0.66 GALLONS  
2" = 0.16 GALLONS      6" = 1.47 GALLONS

WELL VOLUME: 0.67 GALLONS

VOLUMES PURGED: 2 GALLONS

PURGE METHOD: peri pump

TIME STARTED: 0830 ;

TIME FINISHED: 0850

OBSERVATIONS: COLOR clear to cloudy ;

ODOR none/faint solvent

SHEEN none ;

TURBIDITY \_\_\_\_\_

OTHER \_\_\_\_\_

WATER RECOVERY HEIGHT: 15.55' ;

RECOVERY TIME IN MINUTES: \_\_\_\_\_

FIELD PARAMETERS: pH 7.7 ,

TEMPERATURE 15.6°C

CONDUCTIVITY 1052  $\mu$ s ,

OTHER \_\_\_\_\_

SAMPLE COLLECTION TIME: 1445

NOTES: Sample collected for DOCs

**APPENDIX E**  
**LABORATORY ANALYTICAL DATA**

**EXHIBIT A**

**NYSDEC WORK PLAN APPROVAL**

**EXHIBIT B**

**DATA USABILITY SUMMARY REPORTS**

**DATA USABILITY SUMMARY REPORT  
MASTER CLEANERS, GUILDERLAND, NEW YORK**

Client: C.T. Male Associates, Latham, New York  
 SDG: L1810850  
 Laboratory: Alpha Analytical, Westborough, Massachusetts  
 Site: Master Cleaners, Guilderland, New York  
 Date: August 18, 2018

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	SS01_0-0.17	L1810850-01	Soil
1MS†	SS01_0-0.17MS	L1810850-01MS	Soil
1MSD†	SS01_0-0.17MSD	L1810850-01MSD	Soil
2	SS02_0-0.17	L1810850-02	Soil
3	SS03_0-0.17	L1810850-03	Soil
4	SS04_0-0.17	L1810850-04	Soil
5	SS05_0-0.17	L1810850-05	Soil
6	EB01_2018.03.29	L1810850-06	Water
7*	TRANSPORT BLANK	L1810850-07	Water

\* - VOC only    † - Cyanide only

A Data Usability Summary Review was performed on the analytical data for five soil samples, one aqueous equipment blank sample, and one aqueous trip blank sample collected on March 29, 2018 by CT Male at the Master Cleaners site in Guilderland, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *“Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions”*.

Specific method references are as follows:

Analysis

VOCs  
 SVOCs  
 PCB  
 Metals/Mercury  
 Cyanide

Method References

USEPA SW-846 Method 8260C  
 USEPA SW-846 Method 8270D  
 USEPA SW-846 Method 8082A  
 USEPA SW-846 Method 6010C/7471B  
 USEPA SW-846 Method 9010C/9012B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- SOP Number HW-35A, Revision 1, September 2016: Semivolatile Data Validation;
- SOP Number HW-37A, Revision 0, June 2015: Polychlorinated Biphenyl (PCB) Aroclor Data Validation;

- SOP Number HW-3a, Revision 1, September 2016: ICP-AES Data Validation;
- SOP Number HW-3b, Revision 1, September 2016: ICP-MS Data Validation;
- SOP Number HW-3c, Revision 1, September 2016: Mercury and Cyanide Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

### *Organics*

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

### *Inorganics*

- Data Completeness
- Holding times and sample preservation
- Matrix Spike/Duplicate (MS/DUP) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

### **Data Usability Assessment**

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

### Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

### Volatile Organic Compounds (VOCs)

### Holding Times

- All samples were analyzed within 14 days for preserved water and soil samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1102146-3/4	Bromomethane	160%	None	All Associated ND
	Chloroethane	140%		
WG1103294/3-4	Bromomethane	157%	None	All Associated ND

### Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. For detected compound concentrations <RL, the results are negated and qualified (U). For detected sample concentrations >RL of methylene chloride, 2-butanone or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds >RL, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/kg	Qualifier	Affected Samples
WG1103294-5	Bromomethane	1.2	None	All Associated ND

### Field Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TRANSPORT BLANK	None - ND	-	-	-
EB01_2018.03.29	Acetone	1.8	None	All Associated ND
	Benzene	0.38		
	Toluene	0.80		

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/30/18 (0734)	Bromomethane	56.1%	UJ	6-7
	Chloroethane	37.3%		
	Vinyl Chloride	33.8%		
04/03/18 (2014)	Bromomethane	57.5%	UJ	1-5

### Compound Quantitation

- All criteria were met.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not identified.

### Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

## Semivolatile Organic Compounds (SVOCs)

### Holding Times

- All samples were extracted within 7 days for water samples and 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1102234-2/3	3,3'-Dichlorobenzidine	39%	UJ	1-5
WG1102833-2/3	Hexachlorocyclopentadiene	36%	UJ	6

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC sample results are summarized below.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB01_2018.03.29	Bis(2-ethylhexyl)phthalate	2.7	None	All Associated ND or >10X

## GC/MS Tuning

- All criteria were met.

## Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

## Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/04/18 (0622)	2-Nitrophenol	25.8%	UJ	1-5
	2,4-Dinitrotoluene	20.6%		
	4,6-Dinitro-o-cresol	25.6%		
04/04/18 (2042)	2-Nitrophenol	29.2%	UJ	6
	2,4-Dinitrotoluene	21.6%		
	4,6-Dinitro-o-cresol	27.5%		

## Compound Quantitation

- No discrepancies were identified.

## Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

## Tentatively Identified Compounds (TICs)

- TICs were not reported.

## Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

## Polychlorinated Biphenyls (PCBs)

### Holding Times

- All samples were extracted within 7 days for water samples, 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC sample results are summarized below.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB01_2018.03.29	None - ND	-	-	-

### Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

### Continuing Calibration

- All %D criteria were met.

### Compound Quantitation

- All criteria were met.

### Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

### GC Column Difference Results

- All criteria were met.

## Metals, Mercury & Cyanide

### Holding Times

- All samples were prepared and analyzed within 14 days for cyanide, 28 days for mercury and 180 days for all other metals.

### Matrix Spike/Duplicate (MS/DUP) Recoveries

- The following table presents MS/DUP samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample ID	Compound	MS %R/RPD	Qualifier	Affected samples
Reference (Water)	Antimony	127%/OK	None	Sample ND
	Manganese	74%/OK	UJ	6
Reference (Soil)	Cadmium	54%/OK	UJ	1-5

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1102657-2	Cyanide	63%	J/UJ	1-5

### Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
WG1102070-1	Sodium	0.0739	U	6

### Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
EB01_2018.03.29	Chromium	0.00032	None	All Associated >10X
	Iron	0.0457		

### Initial Calibration Verification

- All initial calibration criteria were met.

### Continuing Calibration Verification

- All continuing calibration criteria were met.

### Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

### ICP Serial Dilution

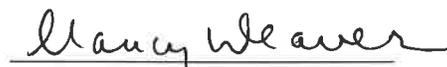
- An ICP serial dilution was not performed.

### Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed:



Dated: 8/23/18

Nancy Weaver  
Senior Chemist

<b>Data Qualifier</b>	<b>Definition</b>
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-01  
**Client ID:** SS01\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 09:30  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 04/04/18 02:51  
**Analyst:** MV  
**Percent Solids:** 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by 8260/5035 - Westborough Lab**

Methylene chloride	ND		ug/kg	8.2	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.22	1
Chloroform	ND		ug/kg	1.2	0.30	1
Carbon tetrachloride	ND		ug/kg	0.82	0.28	1
1,2-Dichloropropane	ND		ug/kg	2.8	0.18	1
Dibromochloromethane	ND		ug/kg	0.82	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.26	1
Tetrachloroethene	ND		ug/kg	0.82	0.25	1
Chlorobenzene	ND		ug/kg	0.82	0.28	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.82	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	0.28	1
Bromodichloromethane	ND		ug/kg	0.82	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	0.19	1
Bromoform	ND		ug/kg	3.3	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	0.24	1
Benzene	ND		ug/kg	0.82	0.16	1
Toluene	ND		ug/kg	1.2	0.16	1
Ethylbenzene	ND		ug/kg	0.82	0.14	1
Chloromethane	ND		ug/kg	4.1	0.36	1
Bromomethane	ND	US	ug/kg	1.6	0.28	1
Vinyl chloride	ND		ug/kg	1.6	0.26	1
Chloroethane	ND		ug/kg	1.6	0.26	1
1,1-Dichloroethene	ND		ug/kg	0.82	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
Trichloroethene	ND		ug/kg	0.82	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	4.1	0.15	1



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-01  
**Client ID:** SS01\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 09:30  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	4.1	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.1	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.12	1
p/m-Xylene	ND		ug/kg	1.6	0.29	1
o-Xylene	ND		ug/kg	1.6	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	0.28	1
Styrene	ND		ug/kg	1.6	0.33	1
Dichlorodifluoromethane	ND		ug/kg	8.2	0.41	1
Acetone	ND		ug/kg	8.2	1.9	1
Carbon disulfide	ND		ug/kg	8.2	0.90	1
2-Butanone	ND		ug/kg	8.2	0.56	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	0.20	1
2-Hexanone	ND		ug/kg	8.2	0.54	1
Bromochloromethane	ND		ug/kg	4.1	0.29	1
1,2-Dibromoethane	ND		ug/kg	3.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	0.32	1
Isopropylbenzene	ND		ug/kg	0.82	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.1	0.18	1
Methyl Acetate	ND		ug/kg	16	0.38	1
Cyclohexane	ND		ug/kg	16	0.35	1
1,4-Dioxane	ND		ug/kg	33	12.	1
Freon-113	ND		ug/kg	16	0.42	1
Methyl cyclohexane	ND		ug/kg	3.3	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130



NW 8/13/18

2

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Serial\_No:04051815:58  
Lab Number: L1810850  
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-02  
Client ID: SS02\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 09:55  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Soil  
Analytical Method: 1,8260C  
Analytical Date: 04/04/18 03:18  
Analyst: MV  
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	8.0	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.22	1
Chloroform	ND		ug/kg	1.2	0.30	1
Carbon tetrachloride	ND		ug/kg	0.80	0.28	1
1,2-Dichloropropane	ND		ug/kg	2.8	0.18	1
Dibromochloromethane	ND		ug/kg	0.80	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	1.6		ug/kg	0.80	0.24	1
Chlorobenzene	ND		ug/kg	0.80	0.28	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.80	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	0.28	1
Bromodichloromethane	ND		ug/kg	0.80	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	0.18	1
Bromoform	ND		ug/kg	3.2	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	0.24	1
Benzene	ND		ug/kg	0.80	0.15	1
Toluene	ND		ug/kg	1.2	0.16	1
Ethylbenzene	ND		ug/kg	0.80	0.14	1
Chloromethane	ND		ug/kg	4.0	0.35	1
Bromomethane	ND	US	ug/kg	1.6	0.27	1
Vinyl chloride	ND		ug/kg	1.6	0.25	1
Chloroethane	ND		ug/kg	1.6	0.25	1
1,1-Dichloroethene	ND		ug/kg	0.80	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Trichloroethene	ND		ug/kg	0.80	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	0.14	1



NW 8/13/18

2

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-02

Date Collected: 03/29/18 09:55

Client ID: SS02\_0-0.17

Date Received: 03/29/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	4.0	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.12	1
p/m-Xylene	ND		ug/kg	1.6	0.28	1
o-Xylene	ND		ug/kg	1.6	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	0.27	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	8.0	0.40	1
Acetone	ND		ug/kg	8.0	1.8	1
Carbon disulfide	ND		ug/kg	8.0	0.88	1
2-Butanone	ND		ug/kg	8.0	0.55	1
4-Methyl-2-pentanone	ND		ug/kg	8.0	0.19	1
2-Hexanone	ND		ug/kg	8.0	0.53	1
Bromochloromethane	ND		ug/kg	4.0	0.28	1
1,2-Dibromoethane	ND		ug/kg	3.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	0.32	1
Isopropylbenzene	ND		ug/kg	0.80	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	0.17	1
Methyl Acetate	9.0	J	ug/kg	16	0.37	1
Cyclohexane	ND		ug/kg	16	0.34	1
1,4-Dioxane	ND		ug/kg	32	11.	1
Freon-113	ND		ug/kg	16	0.41	1
Methyl cyclohexane	ND		ug/kg	3.2	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

NW 8/13/18



3

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-03  
Client ID: SS03\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 10:40  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Soil  
Analytical Method: 1,8260C  
Analytical Date: 04/04/18 03:44  
Analyst: MV  
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.27	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.35	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.32	1
Tetrachloroethene	17		ug/kg	1.0	0.31	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35	1
Bromodichloromethane	ND		ug/kg	1.0	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.17	1
Chloromethane	ND		ug/kg	5.1	0.44	1
Bromomethane	ND	UJ	ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.32	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24	1
Trichloroethene	ND		ug/kg	1.0	0.31	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.18	1



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-03  
**Client ID:** SS03\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 10:40  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.16	1
p/m-Xylene	ND		ug/kg	2.0	0.36	1
o-Xylene	ND		ug/kg	2.0	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.35	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.51	1
Acetone	ND		ug/kg	10	2.3	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.70	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
2-Hexanone	ND		ug/kg	10	0.67	1
Bromochloromethane	ND		ug/kg	5.1	0.36	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.22	1
Methyl Acetate	ND		ug/kg	20	0.47	1
Cyclohexane	ND		ug/kg	20	0.44	1
1,4-Dioxane	ND		ug/kg	40	14	1
Freon-113	ND		ug/kg	20	0.52	1
Methyl cyclohexane	ND		ug/kg	4.0	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130



NW 8/13/18

4

Serial\_No:04051815:58

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-04  
**Client ID:** SS04\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 11:10  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 04/04/18 04:11  
**Analyst:** MV  
**Percent Solids:** 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.30	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	35		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.39	1
Bromodichloromethane	ND		ug/kg	1.1	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
Bromoform	ND		ug/kg	4.5	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.33	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.6	0.49	1
Bromomethane	ND	UJ	ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.35	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1
Trichloroethene	5.9		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1



4

Serial\_No:04051815:58

**Project Name:** MASTER CLEANERS

**Lab Number:** L1810850

**Project Number:** 16.6345

**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-04  
 Client ID: SS04\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:10  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.39	1
o-Xylene	ND		ug/kg	2.2	0.38	1
cis-1,2-Dichloroethene	1.2		ug/kg	1.1	0.38	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.56	1
Acetone	ND		ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.77	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.6	0.40	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.24	1
Methyl Acetate	16	J	ug/kg	22	0.52	1
Cyclohexane	ND		ug/kg	22	0.48	1
1,4-Dioxane	ND		ug/kg	45	16.	1
Freon-113	ND		ug/kg	22	0.58	1
Methyl cyclohexane	ND		ug/kg	4.5	0.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

NW 8/13/18



5

Serial\_No:04051815:58

**Project Name:** MASTER CLEANERS

**Lab Number:** L1810850

**Project Number:** 16.6345

**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-05  
 Client ID: SS05\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:45  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 04/04/18 04:37  
 Analyst: MV  
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.28	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.36	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.31	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.36	1
Bromodichloromethane	ND		ug/kg	1.0	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.31	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.18	1
Chloromethane	ND		ug/kg	5.2	0.45	1
Bromomethane	ND	US	ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.32	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.25	1
Trichloroethene	ND		ug/kg	1.0	0.31	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1



NW 8/13/18

5

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-05  
Client ID: SS05\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:45  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.36	1
o-Xylene	ND		ug/kg	2.1	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.35	1
Styrene	ND		ug/kg	2.1	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.52	1
Acetone	ND		ug/kg	10	2.4	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.22	1
Methyl Acetate	ND		ug/kg	21	0.48	1
Cyclohexane	ND		ug/kg	21	0.45	1
1,4-Dioxane	ND		ug/kg	41	15	1
Freon-113	ND		ug/kg	21	0.53	1
Methyl cyclohexane	ND		ug/kg	4.1	0.25	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

NW 8/13/18



6

Serial\_No:04051815:58

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1810850  
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-06  
Client ID: EB01\_2018.03.29  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:20  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8260C  
Analytical Date: 03/30/18 12:19  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.38	J	ug/l	0.50	0.16	1
Toluene	0.80	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND	US	ug/l	2.5	0.70	1
Vinyl chloride	ND	US	ug/l	1.0	0.07	1
Chloroethane	ND	US	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1



NW 8/13/18

6

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

## SAMPLE RESULTS

Lab ID: L1810850-06

Date Collected: 03/29/18 11:20

Client ID: EB01\_2018.03.29

Date Received: 03/29/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

NW 8/13/18

7

Serial\_No:04051815:58

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1810850  
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-07  
Client ID: TRANSPORT BLANK  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 00:00  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8260C  
Analytical Date: 03/30/18 12:47  
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	<del>ND</del>	UJ	ug/l	2.5	0.70	1
Vinyl chloride	<del>ND</del>	UJ	ug/l	1.0	0.07	1
Chloroethane	<del>ND</del>	UJ	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-07  
**Client ID:** TRANSPORT BLANK  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 00:00  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

7

NW 8/13/18





**Project Name:** MASTER CLEANERS

**Lab Number:** L1810850

**Project Number:** 16.6345

**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-01  
 Client ID: SS01\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 09:30  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/04/18 15:54  
 Analyst: RC  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 03/30/18 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	92	J	ug/kg	140	18.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	<del>ND</del>	US	ug/kg	180	47.	1
2,4-Dinitrotoluene	<del>ND</del>	US	ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	1400		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	63	J	ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	600		ug/kg	110	20.	1
Benzo(a)pyrene	560		ug/kg	140	43.	1



NW 8/13/18

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

## SAMPLE RESULTS

Lab ID: L1810850-01  
 Client ID: SS01\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 09:30  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatle Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	790		ug/kg	110	30.	1
Benzo(k)fluoranthene	230		ug/kg	110	28.	1
Chrysene	610		ug/kg	110	18.	1
Acenaphthylene	58	J	ug/kg	140	27.	1
Anthracene	240		ug/kg	110	34.	1
Benzo(ghi)perylene	360		ug/kg	140	21.	1
Fluorene	100	J	ug/kg	180	17.	1
Phenanthrene	1000		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	93	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	410		ug/kg	140	25.	1
Pyrene	1100		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	49	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND	UJ	ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND	UJ	ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Carbazole	97	J	ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	48.	1



NW 8/13/18

**Project Name:** MASTER CLEANERS

**Lab Number:** L1810850

**Project Number:** 16.6345

**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-01

Date Collected: 03/29/18 09:30

Client ID: SS01\_0-0.17

Date Received: 03/29/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	95		18-120

NW 8/13/18



2

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-02  
Client ID: SS02\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 09:55  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
Analytical Method: 1,8270D  
Analytical Date: 04/04/18 12:00  
Analyst: RC  
Percent Solids: 88%

Extraction Method: EPA 3546  
Extraction Date: 03/30/18 21:31

Parameter Result Qualifier Units RL MDL Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	<del>ND</del>	UJ	ug/kg	190	50.	1
2,4-Dinitrotoluene	<del>ND</del>	UJ	ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	56	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	41	J	ug/kg	110	21.	1
Benzo(a)pyrene	51	J	ug/kg	150	46.	1

NW 8/13/18



2

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-02  
Client ID: SS02\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 09:55  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	70	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	38	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	45	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	47	J	ug/kg	150	26.	1
Pyrene	55	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	<del>ND</del> UJ		ug/kg	400	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	<del>ND</del> UJ		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1

NW 8/13/18



2

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-02

Date Collected: 03/29/18 09:55

Client ID: SS02\_0-0.17

Date Received: 03/29/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	98		18-120

NW 8/13/18



3

Serial\_No:04051815:58

**Project Name:** MASTER CLEANERS

**Lab Number:** L1810850

**Project Number:** 16.6345

**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-03  
 Client ID: SS03\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 10:40  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/04/18 16:47  
 Analyst: RC  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 03/30/18 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	<del>ND</del>	US	ug/kg	180	49.	1
2,4-Dinitrotoluene	<del>ND</del>	US	ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	40	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	36	J	ug/kg	110	20.	1
Benzo(a)pyrene	47	J	ug/kg	150	45.	1

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-03  
Client ID: SS03\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 10:40  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	50	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	37	J	ug/kg	110	19.	1
Acenaphthylene	38	J	ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	67	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	41	J	ug/kg	150	25.	1
Pyrene	42	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	<del>ND</del>	US	ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	<del>ND</del>	US	ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	64.	1
Benzaldehyde	ND		ug/kg	240	49.	1

NW 8/13/18



3

Serial\_No:04051815:58

**Project Name:** MASTER CLEANERS

**Lab Number:** L1810850

**Project Number:** 16.6345

**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-03

**Date Collected:** 03/29/18 10:40

**Client ID:** SS03\_0-0.17

**Date Received:** 03/29/18

**Sample Location:** GUILDERLAND, NY

**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Caprolactam	ND		ug/kg	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	87		18-120

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

## SAMPLE RESULTS

Lab ID: L1810850-04  
 Client ID: SS04\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:10  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 04/04/18 12:26  
 Analyst: RC  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 03/30/18 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Acenaphthene	60	J	ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	<del>ND</del>	VJ	ug/kg	200	54.	1
2,4-Dinitrotoluene	<del>ND</del>	VJ	ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	1000		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	370		ug/kg	120	23.	1
Benzo(a)pyrene	340		ug/kg	160	50.	1

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

## SAMPLE RESULTS

Lab ID: L1810850-04  
 Client ID: SS04\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:10  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	440		ug/kg	120	34.	1
Benzo(k)fluoranthene	160		ug/kg	120	33.	1
Chrysene	340		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	130		ug/kg	120	40.	1
Benzo(ghi)perylene	230		ug/kg	160	24.	1
Fluorene	67	J	ug/kg	200	20.	1
Phenanthrene	760		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	42	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	240		ug/kg	160	29.	1
Pyrene	790		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	40.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	32	J	ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	<del>ND</del> UJ		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	980	96.	1
4,6-Dinitro-o-cresol	<del>ND</del> UJ		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Carbazole	61	J	ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	72.	1
Benzaldehyde	69	J	ug/kg	270	55.	1

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-04  
**Client ID:** SS04\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 11:10  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Caprolactam	ND		ug/kg	200	62.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	89		18-120

5

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-05  
**Client ID:** SS05\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 11:45  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 04/04/18 12:52  
**Analyst:** RC  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/30/18 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	150		ug/kg	140	19.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	<del>ND</del>	UJ	ug/kg	180	48.	1
2,4-Dinitrotoluene	<del>ND</del>	UJ	ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	2900		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	29	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1100		ug/kg	110	20.	1
Benzo(a)pyrene	1000		ug/kg	140	44.	1



NW 2/13/18

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-05  
Client ID: SS05\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:45  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	1400		ug/kg	110	30.	1
Benzo(k)fluoranthene	440		ug/kg	110	29.	1
Chrysene	1100		ug/kg	110	19.	1
Acenaphthylene	50	J	ug/kg	140	28.	1
Anthracene	410		ug/kg	110	35.	1
Benzo(ghi)perylene	690		ug/kg	140	21.	1
Fluorene	180		ug/kg	180	18.	1
Phenanthrene	2000		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	780		ug/kg	140	25.	1
Pyrene	2200		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	90	J	ug/kg	180	17.	1
2-Methylnaphthalene	23	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	<del>ND</del>	US	ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	<del>ND</del>	US	ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	180		ug/kg	180	18.	1
Atrazine	ND		ug/kg	140	63.	1
Benzaldehyde	87	J	ug/kg	240	49.	1



NW 8/13/18

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-05

Date Collected: 03/29/18 11:45

Client ID: SS05\_0-0.17

Date Received: 03/29/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS - Westborough Lab

Caprolactam	ND		ug/kg	180	55.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	92		18-120

NW 8/13/18



6

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-06  
Client ID: EB01\_2018.03.29  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:20  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D  
Analytical Date: 04/05/18 01:02  
Analyst: RC

Extraction Method: EPA 3510C  
Extraction Date: 04/03/18 00:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/l	2.0	0.59	1
Hexachlorobenzene	ND		ug/l	2.0	0.58	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
2-Chloronaphthalene	ND		ug/l	2.0	0.64	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	<del>ND</del>	US	ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
Fluoranthene	ND		ug/l	2.0	0.57	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorobutadiene	ND		ug/l	2.0	0.72	1
Hexachlorocyclopentadiene	<del>ND</del>	US	ug/l	20	7.8	1
Hexachloroethane	ND		ug/l	2.0	0.68	1
Isophorone	ND		ug/l	5.0	0.60	1
Naphthalene	ND		ug/l	2.0	0.68	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	2.7	J	ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Benzo(a)anthracene	ND		ug/l	2.0	0.61	1
Benzo(a)pyrene	ND		ug/l	2.0	0.54	1



NW 8/13/18

6

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-06

Date Collected: 03/29/18 11:20

Client ID: EB01\_2018.03.29

Date Received: 03/29/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60	1
Chrysene	ND		ug/l	2.0	0.54	1
Acenaphthylene	ND		ug/l	2.0	0.66	1
Anthracene	ND		ug/l	2.0	0.64	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.61	1
Fluorene	ND		ug/l	2.0	0.62	1
Phenanthrene	ND		ug/l	2.0	0.61	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71	1
Pyrene	ND		ug/l	2.0	0.57	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
2-Methylnaphthalene	ND		ug/l	2.0	0.72	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND	US	ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND	US	ug/l	10	2.1	1
Pentachlorophenol	ND		ug/l	10	3.4	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1



NW 8/13/18

6

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-06  
 Client ID: EB01\_2018.03.29  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:20  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	119		41-149

NW 8/13/18





**Project Name:** MASTER CLEANERS

**Lab Number:** L1810850

**Project Number:** 16.6345

**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-01  
 Client ID: SS01\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 09:30  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 04/02/18 08:50  
 Analyst: HT  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 03/30/18 22:32  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/31/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	35.8	4.06	1	A
Aroclor 1221	ND		ug/kg	35.8	5.45	1	A
Aroclor 1232	ND		ug/kg	35.8	3.52	1	A
Aroclor 1242	ND		ug/kg	35.8	4.38	1	A
Aroclor 1248	ND		ug/kg	35.8	4.02	1	A
Aroclor 1254	49.7		ug/kg	35.8	2.92	1	B
Aroclor 1260	16.6	J	ug/kg	35.8	3.74	1	A
Aroclor 1262	ND		ug/kg	35.8	2.94	1	A
Aroclor 1268	7.00	J	ug/kg	35.8	2.54	1	A
PCBs, Total	73.3	J	ug/kg	35.8	2.54	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	45		30-150	B

NW 8/13/18



2

Serial\_No:04051815:58

Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-02  
Client ID: SS02\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 09:55  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Soil  
Analytical Method: 1,8082A  
Analytical Date: 04/02/18 09:02  
Analyst: HT  
Percent Solids: 88%

Extraction Method: EPA 3546  
Extraction Date: 03/30/18 22:32  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/31/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
-----------	--------	-----------	-------	----	-----	-----------------	--------

Polychlorinated Biphenyls by GC - Westborough Lab

Aroclor 1016	ND		ug/kg	36.8	4.18	1	A
Aroclor 1221	ND		ug/kg	36.8	5.61	1	A
Aroclor 1232	ND		ug/kg	36.8	3.62	1	A
Aroclor 1242	ND		ug/kg	36.8	4.51	1	A
Aroclor 1248	ND		ug/kg	36.8	4.13	1	A
Aroclor 1254	8.49	J	ug/kg	36.8	3.00	1	A
Aroclor 1260	5.24	J	ug/kg	36.8	3.84	1	A
Aroclor 1262	ND		ug/kg	36.8	3.03	1	A
Aroclor 1268	ND		ug/kg	36.8	2.61	1	A
PCBs, Total	13.7	J	ug/kg	36.8	2.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	56		30-150	B

NW 8/13/18



3

Serial\_No:04051815:58

**Project Name:** MASTER CLEANERS

**Lab Number:** L1810850

**Project Number:** 16.6345

**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-03  
 Client ID: SS03\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 10:40  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 04/02/18 09:14  
 Analyst: HT  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 03/30/18 22:32  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/31/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	35.7	4.04	1	A
Aroclor 1221	ND		ug/kg	35.7	5.43	1	A
Aroclor 1232	ND		ug/kg	35.7	3.51	1	A
Aroclor 1242	ND		ug/kg	35.7	4.36	1	A
Aroclor 1248	ND		ug/kg	35.7	4.00	1	A
Aroclor 1254	ND		ug/kg	35.7	2.91	1	A
Aroclor 1260	ND		ug/kg	35.7	3.72	1	B
Aroclor 1262	ND		ug/kg	35.7	2.93	1	A
Aroclor 1268	ND		ug/kg	35.7	2.52	1	A
PCBs, Total	ND		ug/kg	35.7	2.52	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	49		30-150	B

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-04  
**Client ID:** SS04\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 11:10  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 04/02/18 09:27  
**Analyst:** HT  
**Percent Solids:** 80%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/30/18 22:32  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/31/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.8	4.52	1	A
Aroclor 1221	ND		ug/kg	39.8	6.07	1	A
Aroclor 1232	ND		ug/kg	39.8	3.92	1	A
Aroclor 1242	ND		ug/kg	39.8	4.88	1	A
Aroclor 1248	ND		ug/kg	39.8	4.47	1	A
Aroclor 1254	ND		ug/kg	39.8	3.25	1	A
Aroclor 1260	4.79	J	ug/kg	39.8	4.16	1	B
Aroclor 1262	ND		ug/kg	39.8	3.28	1	A
Aroclor 1268	ND		ug/kg	39.8	2.82	1	A
PCBs, Total	4.79	J	ug/kg	39.8	2.82	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	50		30-150	B

*mw 8/13/18*



Project Name: MASTER CLEANERS

Lab Number: L1810850

Project Number: 16.6345

Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-05  
Client ID: SS05\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:45  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Soil  
Analytical Method: 1,8082A  
Analytical Date: 04/02/18 09:39  
Analyst: HT  
Percent Solids: 91%

Extraction Method: EPA 3546  
Extraction Date: 03/30/18 22:32  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/31/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	34.9	3.96	1	A
Aroclor 1221	ND		ug/kg	34.9	5.31	1	A
Aroclor 1232	ND		ug/kg	34.9	3.44	1	A
Aroclor 1242	ND		ug/kg	34.9	4.27	1	A
Aroclor 1248	ND		ug/kg	34.9	3.92	1	A
Aroclor 1254	ND		ug/kg	34.9	2.85	1	A
Aroclor 1260	8.05	J	ug/kg	34.9	3.64	1	B
Aroclor 1262	ND		ug/kg	34.9	2.87	1	A
Aroclor 1268	ND		ug/kg	34.9	2.47	1	A
PCBs, Total	8.05	J	ug/kg	34.9	2.47	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	60		30-150	B

*nw 8/13/18*



**Project Name:** MASTER CLEANERS

**Lab Number:** L1810850

**Project Number:** 16.6345

**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-06  
 Client ID: EB01\_2018.03.29  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:20  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 04/04/18 14:13  
 Analyst: WR

Extraction Method: EPA 3510C  
 Extraction Date: 04/03/18 08:19  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 04/03/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 04/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	59		30-150	B

*NW 8/13/18*





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-01  
**Client ID:** SS01\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 09:30  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Percent Solids:** 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3840		mg/kg	8.56	2.31	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Antimony, Total	ND		mg/kg	4.28	0.325	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Arsenic, Total	3.99		mg/kg	0.856	0.178	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Barium, Total	32.2		mg/kg	0.856	0.149	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Beryllium, Total	0.214	J	mg/kg	0.428	0.028	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Cadmium, Total	ND <i>uJ</i>		mg/kg	0.856	0.084	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Calcium, Total	51300		mg/kg	8.56	3.00	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Chromium, Total	7.08		mg/kg	0.856	0.082	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Cobalt, Total	4.22		mg/kg	1.71	0.142	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Copper, Total	803		mg/kg	0.856	0.221	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Iron, Total	10800		mg/kg	4.28	0.773	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Lead, Total	29.5		mg/kg	4.28	0.229	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Magnesium, Total	13100		mg/kg	8.56	1.32	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Manganese, Total	218		mg/kg	0.856	0.136	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Mercury, Total	0.110		mg/kg	0.070	0.015	1	03/30/18 08:30	03/30/18 19:59	EPA 7471B	1,7471B	EA
Nickel, Total	9.28		mg/kg	2.14	0.207	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Potassium, Total	391		mg/kg	214	12.3	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Selenium, Total	0.608	J	mg/kg	1.71	0.221	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.856	0.242	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Sodium, Total	57.6	J	mg/kg	171	2.70	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.71	0.270	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Vanadium, Total	10.0		mg/kg	0.856	0.174	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE
Zinc, Total	70.9		mg/kg	4.28	0.251	2	03/30/18 21:12	03/31/18 09:35	EPA 3050B	1,6010C	PE



*NW 8/13/18*

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-02  
 Client ID: SS02\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 09:55  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7600		mg/kg	8.81	2.38	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Antimony, Total	ND		mg/kg	4.40	0.335	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Arsenic, Total	4.80		mg/kg	0.881	0.183	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Barium, Total	35.3		mg/kg	0.881	0.153	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Beryllium, Total	0.361	J	mg/kg	0.440	0.029	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Cadmium, Total	<del>ND</del> 4J		mg/kg	0.881	0.086	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Calcium, Total	7490		mg/kg	8.81	3.08	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Chromium, Total	11.6		mg/kg	0.881	0.085	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Cobalt, Total	8.02		mg/kg	1.76	0.146	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Copper, Total	23.4		mg/kg	0.881	0.227	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Iron, Total	19200		mg/kg	4.40	0.796	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Lead, Total	45.1		mg/kg	4.40	0.236	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Magnesium, Total	3320		mg/kg	8.81	1.36	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Manganese, Total	374		mg/kg	0.881	0.140	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Mercury, Total	0.333		mg/kg	0.071	0.015	1	03/30/18 08:30	03/30/18 20:01	EPA 7471B	1,7471B	EA
Nickel, Total	17.5		mg/kg	2.20	0.213	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Potassium, Total	588		mg/kg	220	12.7	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Selenium, Total	0.731	J	mg/kg	1.76	0.227	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.881	0.249	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Sodium, Total	38.7	J	mg/kg	176	2.78	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.76	0.278	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Vanadium, Total	16.2		mg/kg	0.881	0.179	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE
Zinc, Total	69.3		mg/kg	4.40	0.258	2	03/30/18 21:12	03/31/18 09:40	EPA 3050B	1,6010C	PE



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-03  
 Client ID: SS03\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 10:40  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5500		mg/kg	8.90	2.40	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Antimony, Total	ND		mg/kg	4.45	0.338	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Arsenic, Total	4.50		mg/kg	0.890	0.185	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Barium, Total	41.7		mg/kg	0.890	0.155	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Beryllium, Total	0.160	J	mg/kg	0.445	0.029	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Cadmium, Total	<del>ND</del> <i>WJ</i>		mg/kg	0.890	0.087	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Calcium, Total	43300		mg/kg	8.90	3.11	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Chromium, Total	6.74		mg/kg	0.890	0.085	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Cobalt, Total	3.72		mg/kg	1.78	0.148	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Copper, Total	7.64		mg/kg	0.890	0.230	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Iron, Total	10100		mg/kg	4.45	0.803	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Lead, Total	44.1		mg/kg	4.45	0.238	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Magnesium, Total	7910		mg/kg	8.90	1.37	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Manganese, Total	132		mg/kg	0.890	0.141	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Mercury, Total	0.023	J	mg/kg	0.071	0.015	1	03/30/18 08:30	03/30/18 20:02	EPA 7471B	1,7471B	EA
Nickel, Total	7.23		mg/kg	2.22	0.215	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Potassium, Total	377		mg/kg	222	12.8	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Selenium, Total	0.650	J	mg/kg	1.78	0.230	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.890	0.252	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Sodium, Total	114	J	mg/kg	178	2.80	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.78	0.280	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Vanadium, Total	12.8		mg/kg	0.890	0.181	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE
Zinc, Total	55.1		mg/kg	4.45	0.261	2	03/30/18 21:12	03/31/18 09:44	EPA 3050B	1,6010C	PE



*NW 8/13/18*

4

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-04  
**Client ID:** SS04\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 11:10  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Percent Solids:** 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7140		mg/kg	9.63	2.60	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Antimony, Total	ND		mg/kg	4.82	0.366	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Arsenic, Total	4.94		mg/kg	0.963	0.200	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Barium, Total	50.8		mg/kg	0.963	0.168	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Beryllium, Total	0.318	J	mg/kg	0.482	0.032	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Cadmium, Total	ND <i>uj</i>		mg/kg	0.963	0.094	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Calcium, Total	31500		mg/kg	9.63	3.37	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Chromium, Total	10.8		mg/kg	0.963	0.093	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Cobalt, Total	7.07		mg/kg	1.93	0.160	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Copper, Total	24.6		mg/kg	0.963	0.248	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Iron, Total	17400		mg/kg	4.82	0.870	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Lead, Total	81.4		mg/kg	4.82	0.258	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Magnesium, Total	16100		mg/kg	9.63	1.48	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Manganese, Total	417		mg/kg	0.963	0.153	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Mercury, Total	0.068	J	mg/kg	0.079	0.017	1	03/30/18 08:30	03/30/18 20:04	EPA 7471B	1,7471B	EA
Nickel, Total	15.7		mg/kg	2.41	0.233	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Potassium, Total	846		mg/kg	241	13.9	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Selenium, Total	1.02	J	mg/kg	1.93	0.248	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.963	0.272	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Sodium, Total	59.7	J	mg/kg	193	3.03	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.93	0.303	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Vanadium, Total	14.9		mg/kg	0.963	0.196	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE
Zinc, Total	93.5		mg/kg	4.82	0.282	2	03/30/18 21:12	03/31/18 09:58	EPA 3050B	1,6010C	PE



*NW 8/13/18*

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-05  
 Client ID: SS05\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:45  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5180		mg/kg	8.54	2.31	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Antimony, Total	ND		mg/kg	4.27	0.324	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Arsenic, Total	2.83		mg/kg	0.854	0.178	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Barium, Total	81.1		mg/kg	0.854	0.149	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Beryllium, Total	0.478		mg/kg	0.427	0.028	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Cadmium, Total	ND <i>uJ</i>		mg/kg	0.854	0.084	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Calcium, Total	175000		mg/kg	85.4	29.9	20	03/30/18 21:12	04/02/18 20:22	EPA 3050B	1,6010C	AB
Chromium, Total	5.18		mg/kg	0.854	0.082	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Cobalt, Total	2.82		mg/kg	1.71	0.142	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Copper, Total	15.5		mg/kg	0.854	0.220	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Iron, Total	7950		mg/kg	4.27	0.771	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Lead, Total	71.2		mg/kg	4.27	0.229	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Magnesium, Total	7590		mg/kg	8.54	1.32	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Manganese, Total	489		mg/kg	0.854	0.136	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Mercury, Total	0.071		mg/kg	0.069	0.015	1	03/30/18 08:30	03/30/18 20:06	EPA 7471B	1,7471B	EA
Nickel, Total	5.75		mg/kg	2.14	0.207	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Potassium, Total	713		mg/kg	214	12.3	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Selenium, Total	0.538	J	mg/kg	1.71	0.220	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.854	0.242	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Sodium, Total	493		mg/kg	171	2.69	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.71	0.269	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Vanadium, Total	7.75		mg/kg	0.854	0.173	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE
Zinc, Total	63.8		mg/kg	4.27	0.250	2	03/30/18 21:12	03/31/18 10:02	EPA 3050B	1,6010C	PE



*NW 8/13/18*

6

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-06  
**Client ID:** EB01\_2018.03.29  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 11:20  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Chromium, Total	0.00032	J	mg/l	0.00100	0.00017	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Iron, Total	0.0457	J	mg/l	0.0500	0.0191	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Manganese, Total	ND uJ		mg/l	0.00100	0.00044	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/04/18 10:01	04/04/18 20:14	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Sodium, Total	0.0756 u J		mg/l	0.100	0.0293	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/30/18 19:10	04/02/18 16:57	EPA 3005A	1,6020A	AM



NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

Lab ID: L1810850-01  
 Client ID: SS01\_0-0.17  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 09:30  
 Date Received: 03/29/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	91.5		%	0.100	NA	1	-	03/30/18 10:40	121,2540G	RI
Cyanide, Total	<del>NB</del> <i>UJ</i>		mg/kg	1.1	0.23	1	04/02/18 14:30	04/03/18 12:54	1,9010C/9012B	LH



*NW 8/13/18*

2

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-02  
**Client ID:** SS02\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 09:55  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.2		%	0.100	NA	1	-	03/30/18 10:40	121,2540G	RI
Cyanide, Total	<del>ND</del> <i>WJ</i>		mg/kg	1.1	0.23	1	04/02/18 14:30	04/03/18 12:57	1,9010C/9012B	LH



*NW 8/13/18*

3

Serial\_No:04051815:58

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1810850  
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-03  
Client ID: SS03\_0-0.17  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 10:40  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	89.7		%	0.100	NA	1	-	03/30/18 10:40	121,2540G	RI
Cyanide, Total	ND	UJ	mg/kg	1.1	0.22	1	04/02/18 14:30	04/03/18 13:00	1,9010C/9012B	LH



NW 8/13/18

4

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-04  
**Client ID:** SS04\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 11:10  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	79.8		%	0.100	NA	1	-	03/30/18 10:40	121,2540G	RI
Cyanide, Total	ND	UJ	mg/kg	1.1	0.24	1	04/02/18 14:30	04/03/18 13:01	1,9010C/9012B	LH



nw 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1810850  
**Report Date:** 04/05/18

**SAMPLE RESULTS**

**Lab ID:** L1810850-05  
**Client ID:** SS05\_0-0.17  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/29/18 11:45  
**Date Received:** 03/29/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	91.4		%	0.100	NA	1	-	03/30/18 10:40	121,2540G	RI
Cyanide, Total	<del>NB</del> <i>UJ</i>		mg/kg	1.1	0.23	1	04/02/18 14:30	04/03/18 13:02	1,9010C/9012B	LH



6

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1810850  
Report Date: 04/05/18

SAMPLE RESULTS

Lab ID: L1810850-06  
Client ID: EB01\_2018.03.29  
Sample Location: GUILDERLAND, NY

Date Collected: 03/29/18 11:20  
Date Received: 03/29/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/30/18 12:40	03/30/18 15:46	1,9010C/9012B	LH



NW 8/13/18

**DATA USABILITY SUMMARY REPORT  
MASTER CLEANERS, GUILDERLAND, NEW YORK**

Client: C.T. Male Associates, Latham, New York  
SDG: L1808573  
Laboratory: Alpha Analytical, Westborough, Massachusetts  
Site: Master Cleaners, Guilderland, New York  
Date: August 18, 2018

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	GP07D_37.5-40.0	L1808573-01	Soil
1RE*	GP07D_37.5-40.0RE	L1808573-01RE	Soil

\* - VOC only

A Data Usability Summary Review was performed on the analytical data for one soil sample collected on March 13, 2018 by CT Male at the Master Cleaners site in Guilderland, New York. The samples were analyzed under Environmental Protection Agency (USEPA) "Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".

Specific method references are as follows:

Analysis

VOCs  
SVOCs  
Pesticides  
PCB  
Metals/Mercury  
Cyanide

Method References

USEPA SW-846 Method 8260C  
USEPA SW-846 Method 8270D  
USEPA SW-846 Method 8081B  
USEPA SW-846 Method 8082A  
USEPA SW-846 Method 6010C/7471B  
USEPA SW-846 Method 9010C/9012B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- SOP Number HW-35A, Revision 1, September 2016: Semivolatile Data Validation;
- SOP Number HW-36A, Revision 1, October 2016: Pesticide Data Validation;
- SOP Number HW-37A, Revision 0, June 2015: Polychlorinated Biphenyl (PCB) Aroclor Data Validation;
- SOP Number HW-3a, Revision 1, September 2016: ICP-AES Data Validation;
- SOP Number HW-3b, Revision 1, September 2016: ICP-MS Data Validation;
- SOP Number HW-3c, Revision 1, September 2016: Mercury and Cyanide Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

### ***Organics***

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

### ***Inorganics***

- Data Completeness
- Holding times and sample preservation
- Matrix Spike/Duplicate (MS/DUP) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

### **Data Usability Assessment**

There were minor rejections of data. This data cannot be used in the decision-making process for this project.

- Eight VOC compounds were rejected in one sample due to severely low internal standard area counts.

Overall the remaining data is acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

### **Data Completeness**

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

## Volatile Organic Compounds (VOCs)

### Holding Times

- All samples were analyzed within 14 days for soil samples.

### Surrogate Spike Recoveries

- The following table presents surrogate percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

Sample ID	Surrogate	%R	Qualifier
1	4-Bromofluorobenzene	170%	J - Positive Results
1RE	4-Bromofluorobenzene	134%	None - Sample ND

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1098344-3	1,2-Dichloroethane	69%	UJ	1RE

### Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. For detected compound concentrations <RL, the results are negated and qualified (U). For detected sample concentrations >RL of methylene chloride, 2-butanone or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds >RL, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/kg	Qualifier	Affected Samples
WG1098243-5	Chloromethane	4.1	None	All Associated ND
	Bromomethane	7.4		
	2-Butanone	1.7		
WG1098344-5	Bromomethane	1.3	None	All Associated ND

### **Field Blank**

- Field QC samples were not collected.

### **GC/MS Tuning**

- All criteria were met.

### **Initial Calibration**

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### **Continuing Calibration**

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/18/18 (1504)	Chloroform	20.2%	UJ	1RE
	Bromoform	27.8%	None	See IS

### **Compound Quantitation**

- EDS Sample ID 1 was reanalyzed due to an internal standard deficiency and exhibited similar results. Use the original results for reporting purposes.

### Internal Standard (IS) Area Performance

- The following table presents samples that exceeded the -50%/+100% area criteria for internal standard areas. Non-detected results for the associated compounds are considered estimated and qualified (UJ). Positive results for the associated compounds are considered estimated and qualified (J). Non-detected compounds that exceed the lower limit by -25% area criteria are considered rejected (R) and unusable for project objectives.

Sample ID	Internal Standard	Area Count	Qualifier
1	1,4-Dichlorobenzene-d4	Severely Low	R - Associated Compounds
1RE	1,4-Dichlorobenzene-d4	Severely Low	R - Associated Compounds

### Tentatively Identified Compounds (TICs)

- TICs were not identified.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

## Semivolatile Organic Compounds (SVOCs)

### Holding Times

- All samples were extracted within 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/16/18 (0721)	Bis(2-chloroisopropyl)ether	23.1%	UJ	1

### Compound Quantitation

- All criteria were met.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not reported.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

## Pesticides/Polychlorinated Biphenyls (PCBs)

### Holding Times

- All samples were extracted within 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

### Continuing Calibration

- All %D criteria were met.

### Compound Quantitation

- All criteria were met.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

### GC Column Difference Results

- All criteria were met.

## Metals & Cyanide

### Holding Times

- All samples were prepared and analyzed within 14 days for cyanide, 28 days for mercury and 180 days for all other metals.

### Matrix Spike/Duplicate (MS/DUP) Recoveries

- The following table presents MS/DUP samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample ID	Compound	MS %R/RPD	Qualifier	Affected samples
REFERENCE	Nickel	OK/38	J	1
	Magnesium	44%/OK		
	Zinc	259%/93		
	Mercury	141%/OK		

### Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

### Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Sample ID	Compound	Conc. mg/kg	Qualifier	Affected Samples
WG1097501-1	Iron	0.568	None	All Associated >10X
	Sodium	2.48		

### Field Blank

- Field QC samples were not collected.

**Initial Calibration Verification**

- All initial calibration criteria were met.

**Continuing Calibration Verification**

- All continuing calibration criteria were met.

**Compound Quantitation**

- All criteria were met.

**ICP Serial Dilution**

- An ICP serial dilution was not performed.

**Field Duplicate Sample Precision**

- Field duplicate samples were not collected.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver  
Nancy Weaver  
Senior Chemist

Dated: 8/23/18

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



# Form 1 VOA

Client : C.T. Male Associates  
 Project Name : MASTER CLEANERS  
 Lab ID : L1808573-01  
 Client ID : GP07D\_37.5-40.0  
 Sample Location : GUILDERLAND, NY  
 Sample Matrix : SOIL  
 Analytical Method : 1,8260C  
 Lab File ID : VC180316A07  
 Sample Amount : 6.2 g  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L1808573  
 Project Number : 16.6345  
 Date Collected : 03/13/18 12:45  
 Date Received : 03/13/18  
 Date Analyzed : 03/16/18 14:33  
 Dilution Factor : 1  
 Analyst : BD  
 Instrument ID : CHARLIE  
 GC Column : RTX-VMS  
 %Solids : 79  
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	10	1.7	U
75-34-3	1,1-Dichloroethane	ND	1.5	0.28	U
67-66-3	Chloroform	ND	1.5	0.38	U
56-23-5	Carbon tetrachloride	ND	1.0	0.35	U
78-87-5	1,2-Dichloropropane	ND	3.6	0.23	U
124-48-1	Dibromochloromethane	ND	1.0	0.18	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.32	U
127-18-4	Tetrachloroethene	ND	1.0	0.31	U
108-90-7	Chlorobenzene	ND	1.0	0.36	U
75-69-4	Trichlorofluoromethane	ND	5.1	0.43	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.25	U
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.36	U
75-27-4	Bromodichloromethane	ND	1.0	0.32	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	U
75-25-2	Bromoform	ND <i>RL</i>	4.1	0.24	U
79-34-5	1,1,1,2-Tetrachloroethane	ND <i>RL</i>	1.0	0.30	U
71-43-2	Benzene	ND	1.0	0.20	U
108-88-3	Toluene	ND	1.5	0.20	U
100-41-4	Ethylbenzene	ND	1.0	0.17	U
74-87-3	Chloromethane	ND	5.1	0.45	U
74-83-9	Bromomethane	ND	2.0	0.34	U
75-01-4	Vinyl chloride	ND	2.0	0.32	U
75-00-3	Chloroethane	ND	2.0	0.32	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.38	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.25	U
79-01-6	Trichloroethene	ND	1.0	0.31	U



NW 8/13/18

# Form 1 VOA

Client : C.T. Male Associates  
 Project Name : MASTER CLEANERS  
 Lab ID : L1808573-01  
 Client ID : GP07D 37.5-40.0  
 Sample Location : GUILDERLAND, NY  
 Sample Matrix : SOIL  
 Analytical Method : 1,8260C  
 Lab File ID : VC180316A07  
 Sample Amount : 6.2 g  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L1808573  
 Project Number : 16.6345  
 Date Collected : 03/13/18 12:45  
 Date Received : 03/13/18  
 Date Analyzed : 03/16/18 14:33  
 Dilution Factor : 1  
 Analyst : BD  
 Instrument ID : CHARLIE  
 GC Column : RTX-VMS  
 %Solids : 79  
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND R	5.1	0.19	U
541-73-1	1,3-Dichlorobenzene	ND R	5.1	0.22	U
106-46-7	1,4-Dichlorobenzene	ND R	5.1	0.19	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.16	U
179601-23-1	p/m-Xylene	ND	2.0	0.36	U
95-47-6	o-Xylene	ND	2.0	0.34	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.35	U
100-42-5	Styrene	ND	2.0	0.41	U
75-71-8	Dichlorodifluoromethane	ND	10	0.51	U
67-64-1	Acetone	2.4 J	10	2.3	J
75-15-0	Carbon disulfide	ND	10	1.1	U
78-93-3	2-Butanone	ND	10	0.71	U
108-10-1	4-Methyl-2-pentanone	ND	10	0.25	U
591-78-6	2-Hexanone	ND	10	0.68	U
74-97-5	Bromochloromethane	ND	5.1	0.36	U
106-93-4	1,2-Dibromoethane	ND	4.1	0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	ND R	5.1	0.40	U
98-82-8	Isopropylbenzene	ND	1.0	0.20	U
87-61-6	1,2,3-Trichlorobenzene	ND R	5.1	0.26	U
120-82-1	1,2,4-Trichlorobenzene	ND R	5.1	0.22	U
79-20-9	Methyl Acetate	ND	20	0.47	U
110-82-7	Cyclohexane	ND	20	0.44	U
123-91-1	1,4-Dioxane	ND	41	15.	U
76-13-1	Freon-113	ND	20	0.53	U
108-87-2	Methyl cyclohexane	ND	4.1	0.24	U



# Form 1 VOA

IRE

Client : C.T. Male Associates  
 Project Name : MASTER CLEANERS  
 Lab ID : L1808573-01R  
 Client ID : GP07D 37.5-40.0  
 Sample Location : GUILDERLAND, NY  
 Sample Matrix : SOIL  
 Analytical Method : 1,8260C  
 Lab File ID : V10180318A10  
 Sample Amount : 6.4 g  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L1808573  
 Project Number : 16.6345  
 Date Collected : 03/13/18 12:45  
 Date Received : 03/13/18  
 Date Analyzed : 03/18/18 18:05  
 Dilution Factor : 1  
 Analyst : MV  
 Instrument ID : VOA110  
 GC Column : RTX-VMS  
 %Solids : 79  
 Injection Volume : N/A

use original

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	9.9	1.6	U
75-34-3	1,1-Dichloroethane	ND	1.5	0.27	U
67-66-3	Chloroform	ND UJ	1.5	0.37	U
56-23-5	Carbon tetrachloride	ND	0.99	0.34	U
78-87-5	1,2-Dichloropropane	ND	3.5	0.23	U
124-48-1	Dibromochloromethane	ND	0.99	0.17	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.31	U
127-18-4	Tetrachloroethene	ND	0.99	0.30	U
108-90-7	Chlorobenzene	ND	0.99	0.34	U
75-69-4	Trichlorofluoromethane	ND	5.0	0.41	U
107-06-2	1,2-Dichloroethane	ND UJ	0.99	0.24	U
71-55-6	1,1,1-Trichloroethane	ND	0.99	0.35	U
75-27-4	Bromodichloromethane	ND	0.99	0.30	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.99	0.21	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.99	0.23	U
75-25-2	Bromoform	ND R	4.0	0.23	U
79-34-5	1,1,2,2-Tetrachloroethane	ND R	0.99	0.30	U
71-43-2	Benzene	ND	0.99	0.19	U
108-88-3	Toluene	ND	1.5	0.19	U
100-41-4	Ethylbenzene	ND	0.99	0.17	U
74-87-3	Chloromethane	ND	5.0	0.43	U
74-83-9	Bromomethane	ND	2.0	0.34	U
75-01-4	Vinyl chloride	ND	2.0	0.31	U
75-00-3	Chloroethane	ND	2.0	0.31	U
75-35-4	1,1-Dichloroethene	ND	0.99	0.37	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.24	U
79-01-6	Trichloroethene	ND	0.99	0.30	U



IRE

# Form 1 VOA

Client : C.T. Male Associates  
 Project Name : MASTER CLEANERS  
 Lab ID : L1808573-01R  
 Client ID : GP07D\_37.5-40.0  
 Sample Location : GUILDERLAND, NY  
 Sample Matrix : SOIL  
 Analytical Method : 1,8260C  
 Lab File ID : V10180318A10  
 Sample Amount : 6.4 g  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L1808573  
 Project Number : 16.6345  
 Date Collected : 03/13/18 12:45  
 Date Received : 03/13/18  
 Date Analyzed : 03/18/18 18:05  
 Dilution Factor : 1  
 Analyst : MV  
 Instrument ID : VOA110  
 GC Column : RTX-VMS  
 %Solids : 79  
 Injection Volume : N/A

use original

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND R	5.0	0.18	U
541-73-1	1,3-Dichlorobenzene	ND R	5.0	0.22	U
106-46-7	1,4-Dichlorobenzene	ND R	5.0	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.15	U
179601-23-1	p/m-Xylene	ND	2.0	0.35	U
95-47-6	o-Xylene	ND	2.0	0.34	U
156-59-2	cis-1,2-Dichloroethene	ND	0.99	0.34	U
100-42-5	Styrene	ND	2.0	0.40	U
75-71-8	Dichlorodifluoromethane	ND	9.9	0.50	U
67-64-1	Acetone	ND	9.9	2.3	U
75-15-0	Carbon disulfide	ND	9.9	1.1	U
78-93-3	2-Butanone	ND	9.9	0.68	U
108-10-1	4-Methyl-2-pentanone	ND	9.9	0.24	U
591-78-6	2-Hexanone	ND	9.9	0.66	U
74-97-5	Bromochloromethane	ND	5.0	0.35	U
106-93-4	1,2-Dibromoethane	ND	4.0	0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	ND R	5.0	0.39	U
98-82-8	Isopropylbenzene	ND	0.99	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND R	5.0	0.25	U
120-82-1	1,2,4-Trichlorobenzene	ND R	5.0	0.21	U
79-20-9	Methyl Acetate	ND	20	0.46	U
110-82-7	Cyclohexane	ND	20	0.43	U
123-91-1	1,4-Dioxane	ND	40	14.	U
76-13-1	Freon-113	ND	20	0.51	U
108-87-2	Methyl cyclohexane	ND	4.0	0.24	U



NW 8/13/18

**Project Name:** MASTER CLEANERS**Lab Number:** L1808573**Project Number:** 16.6345**Report Date:** 03/20/18**SAMPLE RESULTS**

Lab ID: L1808573-01  
 Client ID: GP07D\_37.5-40.0  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/13/18 12:45  
 Date Received: 03/13/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/18 13:05  
 Analyst: SZ  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	<del>ND</del>	US	ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1

Project Name: MASTER CLEANERS

Lab Number: L1808573

Project Number: 16.6345

Report Date: 03/20/18

## SAMPLE RESULTS

Lab ID: L1808573-01

Date Collected: 03/13/18 12:45

Client ID: GP07D\_37.5-40.0

Date Received: 03/13/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	ND		ug/kg	130	35.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1

NW 8/13/18

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808573

**Project Number:** 16.6345

**Report Date:** 03/20/18

**SAMPLE RESULTS**

Lab ID: L1808573-01

Date Collected: 03/13/18 12:45

Client ID: GP07D\_37.5-40.0

Date Received: 03/13/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Caprolactam	ND		ug/kg	210	64	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	78		18-120

*NW 8/13/18*



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808573

**Project Number:** 16.6345

**Report Date:** 03/20/18

**SAMPLE RESULTS**

Lab ID: L1808573-01  
 Client ID: GP07D\_37.5-40.0  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/13/18 12:45  
 Date Received: 03/13/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/16/18 19:53  
 Analyst: JW  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/18 07:32  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.98	0.388	1	A
Lindane	ND		ug/kg	0.824	0.368	1	A
Alpha-BHC	ND		ug/kg	0.824	0.234	1	A
Beta-BHC	ND		ug/kg	1.98	0.750	1	A
Heptachlor	ND		ug/kg	0.990	0.444	1	B
Aldrin	ND		ug/kg	1.98	0.697	1	A
Heptachlor epoxide	ND		ug/kg	3.71	1.11	1	A
Endrin	ND		ug/kg	0.824	0.338	1	A
Endrin aldehyde	ND		ug/kg	2.47	0.866	1	A
Endrin ketone	ND		ug/kg	1.98	0.510	1	A
Dieldrin	ND		ug/kg	1.24	0.618	1	A
4,4'-DDE	ND		ug/kg	1.98	0.458	1	A
4,4'-DDD	ND		ug/kg	1.98	0.706	1	A
4,4'-DDT	ND		ug/kg	3.71	1.59	1	A
Endosulfan I	ND		ug/kg	1.98	0.468	1	A
Endosulfan II	ND		ug/kg	1.98	0.661	1	A
Endosulfan sulfate	ND		ug/kg	0.824	0.392	1	A
Methoxychlor	ND		ug/kg	3.71	1.15	1	A
Toxaphene	ND		ug/kg	37.1	10.4	1	A
cis-Chlordane	ND		ug/kg	2.47	0.689	1	A
trans-Chlordane	ND		ug/kg	2.47	0.653	1	A
Chlordane	ND		ug/kg	16.1	6.56	1	A

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808573

**Project Number:** 16.6345

**Report Date:** 03/20/18

**SAMPLE RESULTS**

Lab ID: L1808573-01  
 Client ID: GP07D\_37.5-40.0  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/13/18 12:45  
 Date Received: 03/13/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/16/18 18:40  
 Analyst: WR  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/18 03:54  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/15/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	40.3	4.57	1	A
Aroclor 1221	ND		ug/kg	40.3	6.14	1	A
Aroclor 1232	ND		ug/kg	40.3	3.97	1	A
Aroclor 1242	ND		ug/kg	40.3	4.93	1	A
Aroclor 1248	ND		ug/kg	40.3	4.52	1	A
Aroclor 1254	ND		ug/kg	40.3	3.29	1	A
Aroclor 1260	ND		ug/kg	40.3	4.21	1	A
Aroclor 1262	ND		ug/kg	40.3	3.31	1	A
Aroclor 1268	ND		ug/kg	40.3	2.85	1	A
PCBs, Total	ND		ug/kg	40.3	2.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	42		30-150	B

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808573  
**Report Date:** 03/20/18

**SAMPLE RESULTS**

Lab ID: L1808573-01  
 Client ID: GP07D\_37.5-40.0  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/13/18 12:45  
 Date Received: 03/13/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7780		mg/kg	9.95	2.69	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.98	0.378	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Arsenic, Total	4.62		mg/kg	0.995	0.207	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Barium, Total	56.2		mg/kg	0.995	0.173	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Beryllium, Total	0.388	J	mg/kg	0.498	0.033	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Cadmium, Total	0.557	J	mg/kg	0.995	0.098	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Calcium, Total	31500		mg/kg	9.95	3.48	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Chromium, Total	10.1		mg/kg	0.995	0.096	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Cobalt, Total	7.72		mg/kg	1.99	0.165	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Copper, Total	16.9		mg/kg	0.995	0.257	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Iron, Total	18900		mg/kg	4.98	0.899	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Lead, Total	5.07		mg/kg	4.98	0.267	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Magnesium, Total	8320	J	mg/kg	9.95	1.53	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Manganese, Total	456		mg/kg	0.995	0.158	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	03/14/18 12:25	03/14/18 14:57	EPA 7471B	1,7471B	MG
Nickel, Total	14.0	J	mg/kg	2.49	0.241	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Potassium, Total	972		mg/kg	249	14.3	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Selenium, Total	0.528	J	mg/kg	1.99	0.257	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.995	0.282	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Sodium, Total	153	J	mg/kg	199	3.14	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.99	0.314	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Vanadium, Total	16.6		mg/kg	0.995	0.202	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS
Zinc, Total	42.3	J	mg/kg	4.98	0.292	2	03/15/18 20:00	03/16/18 09:47	EPA 3050B	1,6010C	PS



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808573  
**Report Date:** 03/20/18

**SAMPLE RESULTS**

**Lab ID:** L1808573-01  
**Client ID:** GP07D\_37.5-40.0  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/13/18 12:45  
**Date Received:** 03/13/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	78.8		%	0.100	NA	1	-	03/15/18 11:09	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	03/15/18 20:57	03/16/18 13:11	1,9010C/9012B	LH



*NW 0/13/18*

**DATA USABILITY SUMMARY REPORT  
MASTER CLEANERS, GUILDERLAND, NEW YORK**

Client: C.T. Male Associates, Latham, New York  
SDG: L1807917  
Laboratory: Alpha Analytical, Westborough, Massachusetts  
Site: Master Cleaners, Guilderland, New York  
Date: August 18, 2018

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	GP06_07.5-10.0	L1807917-01	Soil
2	GP07_02.5-05.0	L1807917-02	Soil
3	GP08_07.5-10.0	L1807917-03	Soil
4	GP07_15.0-17.5	L1807917-04	Soil
5	SUMP_PELLETS	L1807917-05	Soil
6	SUMP_SOIL	L1807917-06	Soil

A Data Usability Summary Review was performed on the analytical data for six soil samples collected on March 7, 2018 by CT Male at the Master Cleaners site in Guilderland, New York. The samples were analyzed under Environmental Protection Agency (USEPA) "Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".

Specific method references are as follows:

Analysis

VOCs  
SVOCs  
Pesticides  
PCB  
Metals/Mercury  
Cyanide

Method References

USEPA SW-846 Method 8260C  
USEPA SW-846 Method 8270D  
USEPA SW-846 Method 8081B  
USEPA SW-846 Method 8082A  
USEPA SW-846 Method 6010C/7471B  
USEPA SW-846 Method 9010C/9012B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- SOP Number HW-35A, Revision 1, September 2016: Semivolatile Data Validation;
- SOP Number HW-36A, Revision 1, October 2016: Pesticide Data Validation;
- SOP Number HW-37A, Revision 0, June 2015: Polychlorinated Biphenyl (PCB) Aroclor Data Validation;
- SOP Number HW-3a, Revision 1, September 2016: ICP-AES Data Validation;
- SOP Number HW-3b, Revision 1, September 2016: ICP-MS Data Validation;

- SOP Number HW-3c, Revision 1, September 2016: Mercury and Cyanide Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

### *Organics*

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

### *Inorganics*

- Data Completeness
- Holding times and sample preservation
- Matrix Spike/Duplicate (MS/DUP) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

### **Data Usability Assessment**

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

### Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

### Volatile Organic Compounds (VOCs)

### Holding Times

- All samples were analyzed within 14 days for soil samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (U). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1096758-3	Chloromethane	144%	None	All Associated ND
WG1096924-3	Acetone	150%	None	All Associated ND
	Chloromethane	148%		

### Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. For detected compound concentrations <RL, the results are negated and qualified (U). For detected sample concentrations >RL of methylene chloride, 2-butanone or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds >RL, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/kg	Qualifier	Affected Samples
WG1096758-5	Bromomethane	96	None	All Associated ND
WG1096168-10	Bromomethane	59	None	All Associated ND
WG1096924-5	Bromomethane	26	None	All Associated ND
WG1096994-5	Bromomethane	1.2	None	All Associated ND

### **Field Blank**

- Field QC samples were not collected.

### **GC/MS Tuning**

- All criteria were met.

### **Initial Calibration**

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### **Continuing Calibration**

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/12/18 (1908)	Chloromethane	44.1%	UJ	2, 5
	Toluene	20.6%		
03/14/18 (0730)	Chloromethane	48%	UJ	3
03/14/18 (1030)	Chloroethane	27.3%	UJ	1, 4, 6

### **Compound Quantitation**

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not identified.

### Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

## Semivolatile Organic Compounds (SVOCs)

### Holding Times

- All samples were extracted within 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/12/18 (1046)	2-Nitrophenol	20.5%	UJ	1-3

### Compound Quantitation

- EDS Sample ID 6 was flagged (E) by the laboratory for bis(2-ethylhexyl)phthalate, indicating a calibration range exceedance. The sample was reanalyzed at a 20X dilution and the dilution result should be used for reporting purposes.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not reported.

### Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

## Pesticides/Polychlorinated Biphenyls (PCBs)

### Holding Times

- All samples were extracted within 7 days for water samples, 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

### Continuing Calibration

- All %D criteria were met.

### Compound Quantitation

- EDS Sample ID 2 was flagged (E) by the laboratory for 4,4'-DDD, indicating a calibration range exceedance. The sample was reanalyzed at a 5X dilution and the dilution result should be used for reporting purposes.

### Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

### GC Column Difference Results

- Several pesticide and PCB compounds exhibited %D >40% between columns and were flagged "P" by the laboratory. The reviewer further qualified these results estimated (J).

## Metals & Cyanide

### Holding Times

- All samples were prepared and analyzed within 14 days for cyanide, 28 days for mercury and 180 days for all other metals.

### Matrix Spike/Duplicate (MS/DUP) Recoveries

- The following table presents MS/DUP samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample ID	Compound	MS %R/RPD	Qualifier	Affected samples
REFERENCE	Zinc	141%/OK	J	All Samples
	Mercury	150%/OK	J	All Samples
	Cyanide	68%/OK	None	See LCS

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased. For a severely low %R (<10%), non-detect results are rejected (R) and are unusable for project objectives.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1095714-2	Cyanide	72%	UJ	1-4
WG1096332-2	Cyanide	73%	J/UJ	5-6

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

**Initial Calibration Verification**

- All initial calibration criteria were met.

**Continuing Calibration Verification**

- All continuing calibration criteria were met.

**Compound Quantitation**

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

**ICP Serial Dilution**

- An ICP serial dilution was not performed.

**Field Duplicate Sample Precision**

- Field duplicate samples were not analyzed.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/23/18  
Nancy Weaver  
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-01 D  
 Client ID: GP06\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/14/18 13:05  
 Analyst: NLK  
 Percent Solids: 69%

Date Collected: 03/07/18 11:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by 8260/5035 - Westborough Lab**

Methylene chloride	ND		ug/kg	400000	66000	500
1,1-Dichloroethane	ND		ug/kg	60000	11000	500
Chloroform	ND		ug/kg	60000	15000	500
Carbon tetrachloride	ND		ug/kg	40000	14000	500
1,2-Dichloropropane	ND		ug/kg	140000	9100	500
Dibromochloromethane	ND		ug/kg	40000	7000	500
1,1,2-Trichloroethane	ND		ug/kg	60000	12000	500
Tetrachloroethene	4000000		ug/kg	40000	12000	500
Chlorobenzene	ND		ug/kg	40000	14000	500
Trichlorofluoromethane	ND		ug/kg	200000	17000	500
1,2-Dichloroethane	ND		ug/kg	40000	9800	500
1,1,1-Trichloroethane	ND		ug/kg	40000	14000	500
Bromodichloromethane	ND		ug/kg	40000	12000	500
trans-1,3-Dichloropropene	ND		ug/kg	40000	8300	500
cis-1,3-Dichloropropene	ND		ug/kg	40000	9200	500
Bromoform	ND		ug/kg	160000	9500	500
1,1,2,2-Tetrachloroethane	ND		ug/kg	40000	12000	500
Benzene	ND		ug/kg	40000	7700	500
Toluene	ND		ug/kg	60000	7800	500
Ethylbenzene	ND		ug/kg	40000	6800	500
Chloromethane	ND		ug/kg	200000	17000	500
Bromomethane	ND		ug/kg	80000	14000	500
Vinyl chloride	ND		ug/kg	80000	13000	500
Chloroethane	ND	US	ug/kg	80000	13000	500
1,1-Dichloroethene	ND		ug/kg	40000	15000	500
trans-1,2-Dichloroethene	ND		ug/kg	60000	9600	500
Trichloroethene	110000		ug/kg	40000	12000	500
1,2-Dichlorobenzene	ND		ug/kg	200000	7300	500
1,3-Dichlorobenzene	ND		ug/kg	200000	8700	500

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807917

**Project Number:** 16.6345

**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-01 D  
 Client ID: GP06\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/07/18 11:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	200000	7300	500
Methyl tert butyl ether	ND		ug/kg	80000	6100	500
p/m-Xylene	ND		ug/kg	80000	14000	500
o-Xylene	ND		ug/kg	80000	14000	500
cis-1,2-Dichloroethene	ND		ug/kg	40000	14000	500
Styrene	ND		ug/kg	80000	16000	500
Dichlorodifluoromethane	ND		ug/kg	400000	20000	500
Acetone	ND		ug/kg	400000	92000	500
Carbon disulfide	ND		ug/kg	400000	44000	500
2-Butanone	ND		ug/kg	400000	28000	500
4-Methyl-2-pentanone	ND		ug/kg	400000	9800	500
2-Hexanone	ND		ug/kg	400000	27000	500
Bromochloromethane	ND		ug/kg	200000	14000	500
1,2-Dibromoethane	ND		ug/kg	160000	8000	500
1,2-Dibromo-3-chloropropane	ND		ug/kg	200000	16000	500
Isopropylbenzene	ND		ug/kg	40000	7800	500
1,2,3-Trichlorobenzene	ND		ug/kg	200000	10000	500
1,2,4-Trichlorobenzene	ND		ug/kg	200000	8600	500
Methyl Acetate	ND		ug/kg	800000	18000	500
Cyclohexane	ND		ug/kg	800000	17000	500
1,4-Dioxane	ND		ug/kg	1600000	580000	500
Freon-113	ND		ug/kg	800000	20000	500
Methyl cyclohexane	ND		ug/kg	160000	9600	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

NW 8/13/18



**Project Name:** MASTER CLEANERS**Lab Number:** L1807917**Project Number:** 16.6345**Report Date:** 03/15/18**SAMPLE RESULTS**

Lab ID: L1807917-02 D  
 Client ID: GP07\_02.5-05.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/13/18 04:16  
 Analyst: JC  
 Percent Solids: 72%

Date Collected: 03/07/18 14:00  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by 8260/5035 - Westborough Lab**

Methylene chloride	ND		ug/kg	6800	1100	10
1,1-Dichloroethane	ND		ug/kg	1000	180	10
Chloroform	ND		ug/kg	1000	250	10
Carbon tetrachloride	ND		ug/kg	680	230	10
1,2-Dichloropropane	ND		ug/kg	2400	150	10
Dibromochloromethane	ND		ug/kg	680	120	10
1,1,2-Trichloroethane	ND		ug/kg	1000	210	10
Tetrachloroethene	1100		ug/kg	680	200	10
Chlorobenzene	ND		ug/kg	680	240	10
Trichlorofluoromethane	ND		ug/kg	3400	280	10
1,2-Dichloroethane	ND		ug/kg	680	170	10
1,1,1-Trichloroethane	ND		ug/kg	680	240	10
Bromodichloromethane	ND		ug/kg	680	210	10
trans-1,3-Dichloropropene	ND		ug/kg	680	140	10
cis-1,3-Dichloropropene	ND		ug/kg	680	160	10
Bromoform	ND		ug/kg	2700	160	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	680	200	10
Benzene	ND		ug/kg	680	130	10
Toluene	<del>ND</del>	UJ	ug/kg	1000	130	10
Ethylbenzene	ND		ug/kg	680	120	10
Chloromethane	<del>ND</del>	US	ug/kg	3400	300	10
Bromomethane	ND		ug/kg	1400	230	10
Vinyl chloride	3200		ug/kg	1400	210	10
Chloroethane	ND		ug/kg	1400	210	10
1,1-Dichloroethene	ND		ug/kg	680	250	10
trans-1,2-Dichloroethene	310	J	ug/kg	1000	160	10
Trichloroethene	1700		ug/kg	680	200	10
1,2-Dichlorobenzene	ND		ug/kg	3400	120	10
1,3-Dichlorobenzene	ND		ug/kg	3400	150	10



**Project Name:** MASTER CLEANERS**Lab Number:** L1807917**Project Number:** 16.6345**Report Date:** 03/15/18**SAMPLE RESULTS**

Lab ID: L1807917-02 D

Date Collected: 03/07/18 14:00

Client ID: GP07\_02.5-05.0

Date Received: 03/07/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	3400	120	10
Methyl tert butyl ether	ND		ug/kg	1400	100	10
p/m-Xylene	ND		ug/kg	1400	240	10
o-Xylene	ND		ug/kg	1400	230	10
cis-1,2-Dichloroethene	70000		ug/kg	680	230	10
Styrene	ND		ug/kg	1400	270	10
Dichlorodifluoromethane	ND		ug/kg	6800	340	10
Acetone	ND		ug/kg	6800	1600	10
Carbon disulfide	ND		ug/kg	6800	750	10
2-Butanone	ND		ug/kg	6800	470	10
4-Methyl-2-pentanone	ND		ug/kg	6800	160	10
2-Hexanone	ND		ug/kg	6800	450	10
Bromochloromethane	ND		ug/kg	3400	240	10
1,2-Dibromoethane	ND		ug/kg	2700	140	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	3400	270	10
Isopropylbenzene	ND		ug/kg	680	130	10
1,2,3-Trichlorobenzene	ND		ug/kg	3400	170	10
1,2,4-Trichlorobenzene	ND		ug/kg	3400	140	10
Methyl Acetate	ND		ug/kg	14000	310	10
Cyclohexane	ND		ug/kg	14000	290	10
1,4-Dioxane	ND		ug/kg	27000	9800	10
Freon-113	ND		ug/kg	14000	350	10
Methyl cyclohexane	ND		ug/kg	2700	160	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-03 D  
 Client ID: GP08\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/14/18 10:33  
 Analyst: JC  
 Percent Solids: 76%

Date Collected: 03/07/18 15:40  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	1800	290	2.5
1,1-Dichloroethane	ND		ug/kg	260	47	2.5
Chloroform	ND		ug/kg	260	65	2.5
Carbon tetrachloride	ND		ug/kg	180	60	2.5
1,2-Dichloropropane	ND		ug/kg	610	40	2.5
Dibromochloromethane	ND		ug/kg	180	31	2.5
1,1,2-Trichloroethane	ND		ug/kg	260	55	2.5
Tetrachloroethene	38000		ug/kg	180	53	2.5
Chlorobenzene	ND		ug/kg	180	61	2.5
Trichlorofluoromethane	ND		ug/kg	880	73	2.5
1,2-Dichloroethane	ND		ug/kg	180	43	2.5
1,1,1-Trichloroethane	ND		ug/kg	180	61	2.5
Bromodichloromethane	ND		ug/kg	180	54	2.5
trans-1,3-Dichloropropene	ND		ug/kg	180	36	2.5
cis-1,3-Dichloropropene	ND		ug/kg	180	40	2.5
Bromoform	ND		ug/kg	700	42	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	180	52	2.5
Benzene	ND		ug/kg	180	34	2.5
Toluene	ND		ug/kg	260	34	2.5
Ethylbenzene	ND		ug/kg	180	30	2.5
Chloromethane	<del>ND</del>	US	ug/kg	880	76	2.5
Bromomethane	ND		ug/kg	350	59	2.5
Vinyl chloride	130	J	ug/kg	350	55	2.5
Chloroethane	ND		ug/kg	350	55	2.5
1,1-Dichloroethene	ND		ug/kg	180	65	2.5
trans-1,2-Dichloroethene	52	J	ug/kg	260	42	2.5
Trichloroethene	8000		ug/kg	180	53	2.5
1,2-Dichlorobenzene	ND		ug/kg	880	32	2.5
1,3-Dichlorobenzene	ND		ug/kg	880	38	2.5



NW 8/13/18

3

Serial\_No:03151815:16

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807917

**Project Number:** 16.6345

**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-03 D

Date Collected: 03/07/18 15:40

Client ID: GP08\_07.5-10.0

Date Received: 03/07/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	880	32.	2.5
Methyl tert butyl ether	ND		ug/kg	350	27.	2.5
p/m-Xylene	ND		ug/kg	350	62.	2.5
o-Xylene	ND		ug/kg	350	59.	2.5
cis-1,2-Dichloroethene	8900		ug/kg	180	60.	2.5
Styrene	ND		ug/kg	350	70.	2.5
Dichlorodifluoromethane	ND		ug/kg	1800	88.	2.5
Acetone	ND		ug/kg	1800	400	2.5
Carbon disulfide	ND		ug/kg	1800	190	2.5
2-Butanone	ND		ug/kg	1800	120	2.5
4-Methyl-2-pentanone	ND		ug/kg	1800	43.	2.5
2-Hexanone	ND		ug/kg	1800	120	2.5
Bromochloromethane	ND		ug/kg	880	63.	2.5
1,2-Dibromoethane	ND		ug/kg	700	35.	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	880	69.	2.5
Isopropylbenzene	ND		ug/kg	180	34.	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	880	44.	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	880	38.	2.5
Methyl Acetate	ND		ug/kg	3500	81.	2.5
Cyclohexane	ND		ug/kg	3500	76.	2.5
1,4-Dioxane	ND		ug/kg	7000	2500	2.5
Freon-113	ND		ug/kg	3500	90.	2.5
Methyl cyclohexane	ND		ug/kg	700	42.	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

NW 8/13/18



4

Serial\_No:03151815:16

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1807917  
Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-04  
Client ID: GP07\_15.0-17.5  
Sample Location: GUILDERLAND, NY  
Sample Depth:  
Matrix: Soil  
Analytical Method: 1,8260C  
Analytical Date: 03/14/18 12:13  
Analyst: NLK  
Percent Solids: 78%

Date Collected: 03/07/18 14:15  
Date Received: 03/07/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.29	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.37	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	1.2		ug/kg	1.1	0.32	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.37	1
Bromodichloromethane	ND		ug/kg	1.1	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.25	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.32	1
Benzene	ND		ug/kg	1.1	0.20	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.18	1
Chloromethane	ND		ug/kg	5.3	0.46	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	25		ug/kg	2.1	0.34	1
Chloroethane	ND	US	ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1
Trichloroethene	ND		ug/kg	1.1	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.23	1

NW 8/13/18



4

Serial\_No:03151815:16

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-04  
Client ID: GP07\_15.0-17.5  
Sample Location: GUILDERLAND, NY  
Sample Depth:

Date Collected: 03/07/18 14:15  
Date Received: 03/07/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.37	1
o-Xylene	ND		ug/kg	2.1	0.36	1
cis-1,2-Dichloroethene	1.4		ug/kg	1.1	0.36	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.53	1
Acetone	ND		ug/kg	11	2.4	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.74	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.38	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Isopropylbenzene	ND		ug/kg	1.1	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.23	1
Methyl Acetate	ND		ug/kg	21	0.49	1
Cyclohexane	ND		ug/kg	21	0.46	1
1,4-Dioxane	ND		ug/kg	43	15.	1
Freon-113	ND		ug/kg	21	0.55	1
Methyl cyclohexane	ND		ug/kg	4.3	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	105		70-130

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-05 D  
 Client ID: SUMP\_PELLETS  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Solid  
 Analytical Method: 1,8260C  
 Analytical Date: 03/13/18 05:29  
 Analyst: JC  
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 03/07/18 16:15  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by 8260/5035 - Westborough Lab**

Methylene chloride	ND		ug/kg	490000	81000	1000
1,1-Dichloroethane	ND		ug/kg	74000	13000	1000
Chloroform	ND		ug/kg	74000	18000	1000
Carbon tetrachloride	ND		ug/kg	49000	17000	1000
1,2-Dichloropropane	ND		ug/kg	170000	11000	1000
Dibromochloromethane	ND		ug/kg	49000	8600	1000
1,1,2-Trichloroethane	ND		ug/kg	74000	15000	1000
Tetrachloroethene	5200000		ug/kg	49000	15000	1000
Chlorobenzene	ND		ug/kg	49000	17000	1000
Trichlorofluoromethane	ND		ug/kg	240000	20000	1000
1,2-Dichloroethane	ND		ug/kg	49000	12000	1000
1,1,1-Trichloroethane	ND		ug/kg	49000	17000	1000
Bromodichloromethane	ND		ug/kg	49000	15000	1000
trans-1,3-Dichloropropene	ND		ug/kg	49000	10000	1000
cis-1,3-Dichloropropene	ND		ug/kg	49000	11000	1000
Bromoform	ND		ug/kg	200000	12000	1000
1,1,2,2-Tetrachloroethane	ND		ug/kg	49000	15000	1000
Benzene	ND		ug/kg	49000	9500	1000
Toluene	<del>ND</del>	US	ug/kg	74000	9600	1000
Ethylbenzene	ND		ug/kg	49000	8300	1000
Chloromethane	<del>ND</del>	US	ug/kg	240000	21000	1000
Bromomethane	ND		ug/kg	98000	16000	1000
Vinyl chloride	ND		ug/kg	98000	15000	1000
Chloroethane	ND		ug/kg	98000	15000	1000
1,1-Dichloroethene	ND		ug/kg	49000	18000	1000
trans-1,2-Dichloroethene	ND		ug/kg	74000	12000	1000
Trichloroethene	46000	J	ug/kg	49000	15000	1000
1,2-Dichlorobenzene	ND		ug/kg	240000	8900	1000
1,3-Dichlorobenzene	ND		ug/kg	240000	11000	1000



5

Serial\_No:03151815:16

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807917

**Project Number:** 16.6345

**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-05 D

Date Collected: 03/07/18 16:15

Client ID: SUMP\_PELLETS

Date Received: 03/07/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	240000	8900	1000
Methyl tert butyl ether	ND		ug/kg	98000	7500	1000
p/m-Xylene	ND		ug/kg	98000	17000	1000
o-Xylene	ND		ug/kg	98000	16000	1000
cis-1,2-Dichloroethene	ND		ug/kg	49000	17000	1000
Styrene	ND		ug/kg	98000	20000	1000
Dichlorodifluoromethane	ND		ug/kg	490000	24000	1000
Acetone	ND		ug/kg	490000	110000	1000
Carbon disulfide	ND		ug/kg	490000	54000	1000
2-Butanone	ND		ug/kg	490000	34000	1000
4-Methyl-2-pentanone	ND		ug/kg	490000	12000	1000
2-Hexanone	ND		ug/kg	490000	33000	1000
Bromochloromethane	ND		ug/kg	240000	18000	1000
1,2-Dibromoethane	ND		ug/kg	200000	9800	1000
1,2-Dibromo-3-chloropropane	ND		ug/kg	240000	19000	1000
Isopropylbenzene	ND		ug/kg	49000	9500	1000
1,2,3-Trichlorobenzene	ND		ug/kg	240000	12000	1000
1,2,4-Trichlorobenzene	ND		ug/kg	240000	10000	1000
Methyl Acetate	ND		ug/kg	980000	23000	1000
Cyclohexane	ND		ug/kg	980000	21000	1000
1,4-Dioxane	ND		ug/kg	2000000	700000	1000
Freon-113	ND		ug/kg	980000	25000	1000
Methyl cyclohexane	ND		ug/kg	200000	12000	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

## SAMPLE RESULTS

Lab ID: L1807917-06 D  
 Client ID: SUMP\_SOIL  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/14/18 12:39  
 Analyst: NLK  
 Percent Solids: 65%

Date Collected: 03/07/18 16:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Volatile Organics by 8260/5035 - Westborough Lab

Methylene chloride	ND		ug/kg	1700000	280000	2000
1,1-Dichloroethane	ND		ug/kg	250000	45000	2000
Chloroform	ND		ug/kg	250000	62000	2000
Carbon tetrachloride	ND		ug/kg	170000	58000	2000
1,2-Dichloropropane	ND		ug/kg	580000	38000	2000
Dibromochloromethane	ND		ug/kg	170000	29000	2000
1,1,2-Trichloroethane	ND		ug/kg	250000	52000	2000
Tetrachloroethene	21000000		ug/kg	170000	50000	2000
Chlorobenzene	ND		ug/kg	170000	58000	2000
Trichlorofluoromethane	ND		ug/kg	830000	70000	2000
1,2-Dichloroethane	ND		ug/kg	170000	41000	2000
1,1,1-Trichloroethane	ND		ug/kg	170000	58000	2000
Bromodichloromethane	ND		ug/kg	170000	51000	2000
trans-1,3-Dichloropropene	ND		ug/kg	170000	35000	2000
cis-1,3-Dichloropropene	ND		ug/kg	170000	38000	2000
Bromoform	ND		ug/kg	670000	40000	2000
1,1,2,2-Tetrachloroethane	ND		ug/kg	170000	50000	2000
Benzene	ND		ug/kg	170000	32000	2000
Toluene	ND		ug/kg	250000	32000	2000
Ethylbenzene	ND		ug/kg	170000	28000	2000
Chloromethane	ND		ug/kg	830000	73000	2000
Bromomethane	ND		ug/kg	330000	56000	2000
Vinyl chloride	ND		ug/kg	330000	52000	2000
Chloroethane	ND	05	ug/kg	330000	53000	2000
1,1-Dichloroethene	ND		ug/kg	170000	62000	2000
trans-1,2-Dichloroethene	ND		ug/kg	250000	40000	2000
Trichloroethene	71000	J	ug/kg	170000	50000	2000
1,2-Dichlorobenzene	ND		ug/kg	830000	30000	2000
1,3-Dichlorobenzene	ND		ug/kg	830000	36000	2000

6

Serial\_No:03151815:16

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-06 D

Date Collected: 03/07/18 16:30

Client ID: SUMP\_SOIL

Date Received: 03/07/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	830000	30000	2000
Methyl tert butyl ether	ND		ug/kg	330000	26000	2000
p/m-Xylene	ND		ug/kg	330000	59000	2000
o-Xylene	ND		ug/kg	330000	56000	2000
cis-1,2-Dichloroethene	ND		ug/kg	170000	57000	2000
Styrene	ND		ug/kg	330000	67000	2000
Dichlorodifluoromethane	ND		ug/kg	1700000	83000	2000
Acetone	ND		ug/kg	1700000	380000	2000
Carbon disulfide	ND		ug/kg	1700000	180000	2000
2-Butanone	ND		ug/kg	1700000	120000	2000
4-Methyl-2-pentanone	ND		ug/kg	1700000	41000	2000
2-Hexanone	ND		ug/kg	1700000	110000	2000
Bromochloromethane	ND		ug/kg	830000	60000	2000
1,2-Dibromoethane	ND		ug/kg	670000	33000	2000
1,2-Dibromo-3-chloropropane	ND		ug/kg	830000	66000	2000
Isopropylbenzene	ND		ug/kg	170000	32000	2000
1,2,3-Trichlorobenzene	ND		ug/kg	830000	42000	2000
1,2,4-Trichlorobenzene	ND		ug/kg	830000	36000	2000
Methyl Acetate	ND		ug/kg	3300000	77000	2000
Cyclohexane	ND		ug/kg	3300000	72000	2000
1,4-Dioxane	ND		ug/kg	6700000	2400000	2000
Freon-113	ND		ug/kg	3300000	86000	2000
Methyl cyclohexane	ND		ug/kg	670000	40000	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

NW 8/13/18





**Project Name:** MASTER CLEANERS

**Lab Number:** L1807917

**Project Number:** 16.6345

**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-01  
 Client ID: GP06\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/12/18 20:59  
 Analyst: EK  
 Percent Solids: 69%

Date Collected: 03/07/18 11:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/10/18 09:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Acenaphthene	ND		ug/kg	190	24.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	32.	1
2-Chloronaphthalene	ND		ug/kg	240	23.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	63.	1
2,4-Dinitrotoluene	ND		ug/kg	240	47.	1
2,6-Dinitrotoluene	ND		ug/kg	240	40.	1
Fluoranthene	ND		ug/kg	140	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	36.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	40.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	24.	1
Hexachlorobutadiene	ND		ug/kg	240	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	670	210	1
Hexachloroethane	ND		ug/kg	190	38.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	240		ug/kg	240	29.	1
Nitrobenzene	ND		ug/kg	210	35.	1
NDPA/DPA	ND		ug/kg	190	27.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	36.	1
Bis(2-ethylhexyl)phthalate	250		ug/kg	240	82.	1
Butyl benzyl phthalate	170	J	ug/kg	240	59.	1
Di-n-butylphthalate	ND		ug/kg	240	45.	1
Di-n-octylphthalate	ND		ug/kg	240	80.	1
Diethyl phthalate	ND		ug/kg	240	22.	1
Dimethyl phthalate	ND		ug/kg	240	49.	1
Benzo(a)anthracene	ND		ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	190	58.	1
Benzo(b)fluoranthene	ND		ug/kg	140	40.	1

*NW 8/13/18*



Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

## SAMPLE RESULTS

Lab ID: L1807917-01  
 Client ID: GP06\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/07/18 11:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	140	38.	1
Chrysene	ND		ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	190	36.	1
Anthracene	ND		ug/kg	140	46.	1
Benzo(ghi)perylene	ND		ug/kg	190	28.	1
Fluorene	ND		ug/kg	240	23.	1
Phenanthrene	ND		ug/kg	140	29.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	190	33.	1
Pyrene	ND		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	540	55.	1
4-Chloroaniline	ND		ug/kg	240	43.	1
2-Nitroaniline	ND		ug/kg	240	45.	1
3-Nitroaniline	ND		ug/kg	240	44.	1
4-Nitroaniline	ND		ug/kg	240	98.	1
Dibenzofuran	ND		ug/kg	240	22.	1
2-Methylnaphthalene	ND		ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	25.	1
Acetophenone	ND		ug/kg	240	29.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	45.	1
p-Chloro-m-cresol	ND		ug/kg	240	35.	1
2-Chlorophenol	ND		ug/kg	240	28.	1
2,4-Dichlorophenol	ND		ug/kg	210	38.	1
2,4-Dimethylphenol	ND		ug/kg	240	78.	1
2-Nitrophenol	ND	US	ug/kg	510	89.	1
4-Nitrophenol	ND		ug/kg	330	96.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	610	110	1
Pentachlorophenol	ND		ug/kg	190	52.	1
Phenol	ND		ug/kg	240	36.	1
2-Methylphenol	ND		ug/kg	240	36.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	340	37.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	45.	1
Carbazole	ND		ug/kg	240	23.	1
Atrazine	ND		ug/kg	190	82.	1
Benzaldehyde	ND		ug/kg	310	64.	1
Caprolactam	ND		ug/kg	240	72.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	48.	1

**Project Name:** MASTER CLEANERS**Lab Number:** L1807917**Project Number:** 16.6345**Report Date:** 03/15/18**SAMPLE RESULTS**

**Lab ID:** L1807917-02  
**Client ID:** GP07\_02.5-05.0  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/12/18 21:25  
**Analyst:** EK  
**Percent Solids:** 72%

**Date Collected:** 03/07/18 14:00  
**Date Received:** 03/07/18  
**Field Prep:** Not Specified

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/10/18 09:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Acenaphthene	ND		ug/kg	180	23.	1
Hexachlorobenzene	ND		ug/kg	140	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
2,6-Dinitrotoluene	ND		ug/kg	220	39.	1
Fluoranthene	ND		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	23.	1
Hexachlorobutadiene	ND		ug/kg	220	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	190	J	ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	35.	1
Bis(2-ethylhexyl)phthalate	600		ug/kg	220	78.	1
Butyl benzyl phthalate	ND		ug/kg	220	57.	1
Di-n-butylphthalate	ND		ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	77.	1
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	ND		ug/kg	140	25.	1
Benzo(a)pyrene	ND		ug/kg	180	55.	1
Benzo(b)fluoranthene	ND		ug/kg	140	38.	1



Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

## SAMPLE RESULTS

Lab ID: L1807917-02  
 Client ID: GP07\_02.5-05.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/07/18 14:00  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	140	36.	1
Chrysene	ND		ug/kg	140	23.	1
Acenaphthylene	ND		ug/kg	180	35.	1
Anthracene	ND		ug/kg	140	44.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	22.	1
Phenanthrene	ND		ug/kg	140	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	ND		ug/kg	140	22.	1
Biphenyl	ND		ug/kg	510	52.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	44.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	93.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	24.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	220	34.	1
2-Chlorophenol	ND		ug/kg	220	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	<del>ND</del>	U3	ug/kg	490	85.	1
4-Nitrophenol	ND		ug/kg	320	92.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	82	J	ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	35.	1
3-Methylphenol/4-Methylphenol	220	J	ug/kg	320	35.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	43.	1
Carbazole	ND		ug/kg	220	22.	1
Atrazine	ND		ug/kg	180	79.	1
Benzaldehyde	ND		ug/kg	300	61.	1
Caprolactam	ND		ug/kg	220	69.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	46.	1

**Project Name:** MASTER CLEANERS**Lab Number:** L1807917**Project Number:** 16.6345**Report Date:** 03/15/18**SAMPLE RESULTS**

**Lab ID:** L1807917-03  
**Client ID:** GP08\_07.5-10.0  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/12/18 21:50  
**Analyst:** EK  
**Percent Solids:** 76%

**Date Collected:** 03/07/18 15:40  
**Date Received:** 03/07/18  
**Field Prep:** Not Specified  
**Extraction Method:**EPA 3546  
**Extraction Date:** 03/10/18 09:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	29.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	ND		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	130	J	ug/kg	220	75.	1
Butyl benzyl phthalate	140	J	ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-03  
Client ID: GP08\_07.5-10.0  
Sample Location: GUILDERLAND, NY  
Sample Depth:

Date Collected: 03/07/18 15:40  
Date Received: 03/07/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	34.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	50.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND	UJ	ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	170	76.	1
Benzaldehyde	ND		ug/kg	290	59.	1
Caprolactam	ND		ug/kg	220	66.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

NW 8/13/19



**Project Name:** MASTER CLEANERS**Lab Number:** L1807917**Project Number:** 16.6345**Report Date:** 03/15/18**SAMPLE RESULTS**

**Lab ID:** L1807917-04  
**Client ID:** GP07\_15.0-17.5  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/13/18 05:53  
**Analyst:** SZ  
**Percent Solids:** 78%

**Date Collected:** 03/07/18 14:15  
**Date Received:** 03/07/18  
**Field Prep:** Not Specified

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/10/18 09:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatle Organics by GC/MS - Westborough Lab**

Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

## SAMPLE RESULTS

Lab ID: L1807917-04

Date Collected: 03/07/18 14:15

Client ID: GP07\_15.0-17.5

Date Received: 03/07/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1
Caprolactam	ND		ug/kg	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	43.	1



5

Serial\_No:03151815:16

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

## SAMPLE RESULTS

Lab ID: L1807917-05  
 Client ID: SUMP\_PELLETS  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Solid  
 Analytical Method: 1,8270D  
 Analytical Date: 03/13/18 12:26  
 Analyst: RC  
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 03/07/18 16:15  
 Date Received: 03/07/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3540C  
 Extraction Date: 03/12/18 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Acenaphthene	ND		ug/kg	130	17.	1
Hexachlorobenzene	ND		ug/kg	97	18.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.	1
2-Chloronaphthalene	ND		ug/kg	160	16.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.	1
2,4-Dinitrotoluene	ND		ug/kg	160	32.	1
2,6-Dinitrotoluene	ND		ug/kg	160	28.	1
Fluoranthene	ND		ug/kg	97	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.	1
Hexachlorobutadiene	ND		ug/kg	160	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	460	150	1
Hexachloroethane	ND		ug/kg	130	26.	1
Isophorone	ND		ug/kg	150	21.	1
Naphthalene	190		ug/kg	160	20.	1
Nitrobenzene	ND		ug/kg	150	24.	1
NDPA/DPA	ND		ug/kg	130	18.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.	1
Bis(2-ethylhexyl)phthalate	5200		ug/kg	160	56.	1
Butyl benzyl phthalate	690		ug/kg	160	41.	1
Di-n-butylphthalate	4400		ug/kg	160	31.	1
Di-n-octylphthalate	ND		ug/kg	160	55.	1
Diethyl phthalate	820		ug/kg	160	15.	1
Dimethyl phthalate	ND		ug/kg	160	34.	1
Benzo(a)anthracene	ND		ug/kg	97	18.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	97	27.	1



NW 8/13/18

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-05  
Client ID: SUMP\_PELLETS  
Sample Location: GUILDERLAND, NY  
Sample Depth:

Date Collected: 03/07/18 16:15  
Date Received: 03/07/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	97	26.	1
Chrysene	ND		ug/kg	97	17.	1
Acenaphthylene	ND		ug/kg	130	25.	1
Anthracene	ND		ug/kg	97	32.	1
Benzo(ghi)perylene	ND		ug/kg	130	19.	1
Fluorene	ND		ug/kg	160	16.	1
Phenanthrene	ND		ug/kg	97	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	97	16.	1
Biphenyl	70	J	ug/kg	370	38.	1
4-Chloroaniline	ND		ug/kg	160	30.	1
2-Nitroaniline	ND		ug/kg	160	31.	1
3-Nitroaniline	ND		ug/kg	160	31.	1
4-Nitroaniline	ND		ug/kg	160	67.	1
Dibenzofuran	ND		ug/kg	160	15.	1
2-Methylnaphthalene	78	J	ug/kg	190	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.	1
Acetophenone	ND		ug/kg	160	20.	1
2,4,6-Trichlorophenol	ND		ug/kg	97	31.	1
p-Chloro-m-cresol	ND		ug/kg	160	24.	1
2-Chlorophenol	ND		ug/kg	160	19.	1
2,4-Dichlorophenol	ND		ug/kg	150	26.	1
2,4-Dimethylphenol	ND		ug/kg	160	54.	1
2-Nitrophenol	ND		ug/kg	350	61.	1
4-Nitrophenol	ND		ug/kg	230	66.	1
2,4-Dinitrophenol	ND		ug/kg	780	76.	1
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	160	24.	1
2-Methylphenol	ND		ug/kg	160	25.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	31.	1
Carbazole	ND		ug/kg	160	16.	1
Atrazine	ND		ug/kg	130	57.	1
Benzaldehyde	ND		ug/kg	210	44.	1
Caprolactam	ND		ug/kg	160	49.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.	1

NW 8/13/18



6

Serial\_No:03151815:16

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807917

**Project Number:** 16.6345

**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-06  
 Client ID: SUMP\_SOIL  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/13/18 12:21  
 Analyst: RC  
 Percent Solids: 65%

Date Collected: 03/07/18 16:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Extraction Method: EPA 3546  
 Extraction Date: 03/10/18 09:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	200	26.	1
Hexachlorobenzene	ND		ug/kg	150	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	230	34.	1
2-Chloronaphthalene	ND		ug/kg	250	25.	1
3,3'-Dichlorobenzidine	ND		ug/kg	250	68.	1
2,4-Dinitrotoluene	ND		ug/kg	250	51.	1
2,6-Dinitrotoluene	ND		ug/kg	250	44.	1
Fluoranthene	650		ug/kg	150	29.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	250	27.	1
4-Bromophenyl phenyl ether	ND		ug/kg	250	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	300	43.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	270	25.	1
Hexachlorobutadiene	ND		ug/kg	250	37.	1
Hexachlorocyclopentadiene	ND		ug/kg	730	230	1
Hexachloroethane	ND		ug/kg	200	41.	1
Isophorone	ND		ug/kg	230	33.	1
Naphthalene	590		ug/kg	250	31.	1
Nitrobenzene	ND		ug/kg	230	38.	1
NDPA/DPA	ND		ug/kg	200	29.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	250	39.	1
Bis(2-ethylhexyl)phthalate	46000	110000 E	ug/kg	250	560	1800 X 20
Butyl benzyl phthalate	5000		ug/kg	250	64.	1
Di-n-butylphthalate	2200		ug/kg	250	48.	1
Di-n-octylphthalate	ND		ug/kg	250	86.	1
Diethyl phthalate	ND		ug/kg	250	24.	1
Dimethyl phthalate	ND		ug/kg	250	53.	1
Benzo(a)anthracene	310		ug/kg	150	29.	1
Benzo(a)pyrene	420		ug/kg	200	62.	1
Benzo(b)fluoranthene	700		ug/kg	150	43.	1



NW 8/13/18

6

Serial\_No:03151815:16

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-06  
Client ID: SUMP\_SOIL  
Sample Location: GUILDERLAND, NY  
Sample Depth:

Date Collected: 03/07/18 16:30  
Date Received: 03/07/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	240		ug/kg	150	41.	1
Chrysene	450		ug/kg	150	26.	1
Acenaphthylene	40	J	ug/kg	200	39.	1
Anthracene	ND		ug/kg	150	50.	1
Benzo(ghi)perylene	370		ug/kg	200	30.	1
Fluorene	31	J	ug/kg	250	25.	1
Phenanthrene	210		ug/kg	150	31.	1
Dibenzo(a,h)anthracene	120	J	ug/kg	150	29.	1
Indeno(1,2,3-cd)pyrene	470		ug/kg	200	35.	1
Pyrene	930		ug/kg	150	25.	1
Biphenyl	82	J	ug/kg	580	59.	1
4-Chloroaniline	ND		ug/kg	250	46.	1
2-Nitroaniline	ND		ug/kg	250	49.	1
3-Nitroaniline	ND		ug/kg	250	48.	1
4-Nitroaniline	ND		ug/kg	250	100	1
Dibenzofuran	ND		ug/kg	250	24.	1
2-Methylnaphthalene	180	J	ug/kg	300	31.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	250	26.	1
Acetophenone	ND		ug/kg	250	31.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	48.	1
p-Chloro-m-cresol	ND		ug/kg	250	38.	1
2-Chlorophenol	ND		ug/kg	250	30.	1
2,4-Dichlorophenol	ND		ug/kg	230	41.	1
2,4-Dimethylphenol	ND		ug/kg	250	84.	1
2-Nitrophenol	ND		ug/kg	550	96.	1
4-Nitrophenol	ND		ug/kg	360	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	660	120	1
Pentachlorophenol	ND		ug/kg	200	56.	1
Phenol	ND		ug/kg	250	38.	1
2-Methylphenol	ND		ug/kg	250	39.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	370	40.	1
2,4,5-Trichlorophenol	ND		ug/kg	250	49.	1
Carbazole	ND		ug/kg	250	25.	1
Atrazine	ND		ug/kg	200	89.	1
Benzaldehyde	ND		ug/kg	340	69.	1
Caprolactam	ND		ug/kg	250	77.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	250	51.	1



NW 8/13/18

GDL

Serial\_No:03151815:16

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-06 D

Date Collected: 03/07/18 16:30

Client ID: SUMP\_SOIL

Date Received: 03/07/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 03/10/18 09:32

Analytical Date: 03/14/18 09:00

Analyst: PS

Percent Solids: 65%

use original

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-ethylhexyl)phthalate

110000

ug/kg

5100

1800

20

NW 2/13/18





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-01  
 Client ID: GP06\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/14/18 12:06  
 Analyst: JW  
 Percent Solids: 69%

Date Collected: 03/07/18 11:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/10/18 12:31  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.22	0.434	1	A
Lindane	ND		ug/kg	0.923	0.413	1	A
Alpha-BHC	ND		ug/kg	0.923	0.262	1	A
Beta-BHC	ND		ug/kg	2.22	0.840	1	A
Heptachlor	ND		ug/kg	1.11	0.497	1	A
Aldrin	ND		ug/kg	2.22	0.780	1	A
Heptachlor epoxide	ND		ug/kg	4.15	1.25	1	A
Endrin	ND		ug/kg	0.923	0.378	1	A
Endrin aldehyde	ND		ug/kg	2.77	0.969	1	A
Endrin ketone	ND		ug/kg	2.22	0.570	1	A
Dieldrin	1.70	J	ug/kg	1.38	0.692	1	B
4,4'-DDE	2.97		ug/kg	2.22	0.512	1	A
4,4'-DDD	41.1		ug/kg	2.22	0.790	1	A
4,4'-DDT	1.84	J	ug/kg	4.15	1.78	1	B
Endosulfan I	ND		ug/kg	2.22	0.523	1	A
Endosulfan II	ND		ug/kg	2.22	0.740	1	A
Endosulfan sulfate	ND		ug/kg	0.923	0.439	1	A
Methoxychlor	ND		ug/kg	4.15	1.29	1	A
Toxaphene	ND		ug/kg	41.5	11.6	1	A
cis-Chlordane	ND		ug/kg	2.77	0.772	1	A
trans-Chlordane	ND		ug/kg	2.77	0.731	1	A
Chlordane	ND		ug/kg	18.0	7.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	102		30-150	A



NW 8/13/18

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807917

**Project Number:** 16.6345

**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-02  
 Client ID: GP07\_02.5-05.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/14/18 12:19  
 Analyst: JW  
 Percent Solids: 72%

Date Collected: 03/07/18 14:00  
 Date Received: 03/07/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/10/18 12:31  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.12	0.416	1	A
Lindane	ND		ug/kg	0.885	0.396	1	A
Alpha-BHC	ND		ug/kg	0.885	0.251	1	A
Beta-BHC	ND		ug/kg	2.12	0.806	1	A
Heptachlor	ND		ug/kg	1.06	0.476	1	A
Aldrin	ND		ug/kg	2.12	0.748	1	A
Heptachlor epoxide	ND		ug/kg	3.98	1.20	1	A
Endrin	ND		ug/kg	0.885	0.363	1	A
Endrin aldehyde	ND		ug/kg	2.66	0.930	1	A
Endrin ketone	ND		ug/kg	2.12	0.547	1	A
Dieldrin	37.8		ug/kg	1.33	0.664	1	A
4,4'-DDE	55.8		ug/kg	2.12	0.491	1	B
4,4'-DDD	<del>650</del> 868	J E	ug/kg	<del>2.12</del> 10.6	<del>0.758</del> 3.79	1.5	BA
4,4'-DDT	4.91	J P	ug/kg	3.98	1.71	1	A
Endosulfan I	ND		ug/kg	2.12	0.502	1	A
Endosulfan II	ND		ug/kg	2.12	0.710	1	A
Endosulfan sulfate	ND		ug/kg	0.885	0.421	1	A
Methoxychlor	ND		ug/kg	3.98	1.24	1	A
Toxaphene	ND		ug/kg	39.8	11.2	1	A
cis-Chlordane	3.74	J P	ug/kg	2.66	0.740	1	B
trans-Chlordane	ND		ug/kg	2.66	0.701	1	A
Chlordane	ND		ug/kg	17.3	7.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	38		30-150	A

NW 8/13/18



2D

Serial\_No:03151815:16

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-02 D

Date Collected: 03/07/18 14:00

Client ID: GP07\_02.5-05.0

Date Received: 03/07/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 03/10/18 12:31

Analytical Date: 03/14/18 14:42

Cleanup Method: EPA 3620B

Analyst: JW

Cleanup Date: 03/12/18

Percent Solids: 72%

*use original*

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDD	868		ug/kg	10.6	3.79	5	A

*NW 8/13/18*



**Project Name:** MASTER CLEANERS

**Lab Number:** L1807917

**Project Number:** 16.6345

**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-03  
 Client ID: GP08\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/14/18 12:32  
 Analyst: JW  
 Percent Solids: 76%

Date Collected: 03/07/18 15:40  
 Date Received: 03/07/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/10/18 12:31  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.08	0.407	1	A
Lindane	ND		ug/kg	0.866	0.387	1	A
Alpha-BHC	ND		ug/kg	0.866	0.246	1	A
Beta-BHC	ND		ug/kg	2.08	0.788	1	A
Heptachlor	ND		ug/kg	1.04	0.466	1	A
Aldrin	ND		ug/kg	2.08	0.731	1	A
Heptachlor epoxide	ND		ug/kg	3.90	1.17	1	A
Endrin	ND		ug/kg	0.866	0.355	1	A
Endrin aldehyde	ND		ug/kg	2.60	0.909	1	A
Endrin ketone	ND		ug/kg	2.08	0.535	1	A
Dieldrin	ND		ug/kg	1.30	0.649	1	A
4,4'-DDE	ND		ug/kg	2.08	0.480	1	A
4,4'-DDD	1.10	J	ug/kg	2.08	0.741	1	A
4,4'-DDT	ND		ug/kg	3.90	1.67	1	A
Endosulfan I	ND		ug/kg	2.08	0.491	1	A
Endosulfan II	ND		ug/kg	2.08	0.694	1	A
Endosulfan sulfate	ND		ug/kg	0.866	0.412	1	A
Methoxychlor	ND		ug/kg	3.90	1.21	1	A
Toxaphene	ND		ug/kg	39.0	10.9	1	A
cis-Chlordane	ND		ug/kg	2.60	0.724	1	A
trans-Chlordane	ND		ug/kg	2.60	0.686	1	A
Chlordane	ND		ug/kg	16.9	6.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	58		30-150	A



NW 8/13/18

4

Serial\_No:03151815:16

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-04  
 Client ID: GP07\_15.0-17.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/14/18 12:45  
 Analyst: JW  
 Percent Solids: 78%

Date Collected: 03/07/18 14:15  
 Date Received: 03/07/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/10/18 12:31  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.00	0.392	1	A
Lindane	ND		ug/kg	0.834	0.373	1	A
Alpha-BHC	ND		ug/kg	0.834	0.237	1	A
Beta-BHC	ND		ug/kg	2.00	0.758	1	A
Heptachlor	ND		ug/kg	1.00	0.448	1	A
Aldrin	ND		ug/kg	2.00	0.704	1	A
Heptachlor epoxide	ND		ug/kg	3.75	1.12	1	A
Endrin	ND		ug/kg	0.834	0.342	1	A
Endrin aldehyde	ND		ug/kg	2.50	0.875	1	A
Endrin ketone	ND		ug/kg	2.00	0.515	1	A
Dieldrin	ND		ug/kg	1.25	0.625	1	A
4,4'-DDE	ND		ug/kg	2.00	0.463	1	A
4,4'-DDD	ND		ug/kg	2.00	0.714	1	A
4,4'-DDT	ND		ug/kg	3.75	1.61	1	B
Endosulfan I	ND		ug/kg	2.00	0.473	1	A
Endosulfan II	ND		ug/kg	2.00	0.668	1	A
Endosulfan sulfate	ND		ug/kg	0.834	0.397	1	A
Methoxychlor	ND		ug/kg	3.75	1.17	1	A
Toxaphene	ND		ug/kg	37.5	10.5	1	A
cis-Chlordane	ND		ug/kg	2.50	0.697	1	A
trans-Chlordane	ND		ug/kg	2.50	0.660	1	A
Chlordane	ND		ug/kg	16.2	6.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	82		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	62		30-150	A

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-05
Client ID: SUMP\_PELLETS
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Solid
Analytical Method: 1,8081B
Analytical Date: 03/15/18 02:26
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 03/07/18 16:15
Date Received: 03/07/18
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/12/18 03:00
Cleanup Method: EPA 3620B
Cleanup Date: 03/13/18

Table with 8 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor, Column. Contains data for Organochlorine Pesticides by GC - Westborough Lab, listing various pesticides like Delta-BHC, Lindane, etc., with their respective results and qualifiers.

Table with 5 columns: Surrogate, % Recovery, Qualifier, Acceptance Criteria, Column. Lists surrogate compounds like 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl with their recovery percentages and acceptance criteria.

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

**Lab ID:** L1807917-06  
**Client ID:** SUMP\_SOIL  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/14/18 12:57  
**Analyst:** JW  
**Percent Solids:** 65%

**Date Collected:** 03/07/18 16:30  
**Date Received:** 03/07/18  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 03/10/18 12:31  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.42	0.474	1	A
Lindane	ND		ug/kg	1.01	0.451	1	A
Alpha-BHC	ND		ug/kg	1.01	0.286	1	A
Beta-BHC	ND		ug/kg	2.42	0.918	1	A
Heptachlor	ND		ug/kg	1.21	0.542	1	A
Aldrin	ND		ug/kg	2.42	0.852	1	A
Heptachlor epoxide	7.00		ug/kg	4.54	1.36	1	B
Endrin	ND		ug/kg	1.01	0.413	1	A
Endrin aldehyde	ND		ug/kg	3.02	1.06	1	A
Endrin ketone	ND		ug/kg	2.42	0.623	1	A
Dieldrin	41.5		ug/kg	1.51	0.756	1	A
4,4'-DDE	75.3		ug/kg	2.42	0.560	1	A
4,4'-DDD	38.1		ug/kg	2.42	0.863	1	A
4,4'-DDT	32.7	J ✓	ug/kg	4.54	1.95	1	B
Endosulfan I	ND		ug/kg	2.42	0.572	1	A
Endosulfan II	ND		ug/kg	2.42	0.809	1	A
Endosulfan sulfate	ND		ug/kg	1.01	0.480	1	A
Methoxychlor	ND		ug/kg	4.54	1.41	1	A
Toxaphene	ND		ug/kg	45.4	12.7	1	A
cis-Chlordane	12.9	J ✓	ug/kg	3.02	0.843	1	A
trans-Chlordane	ND		ug/kg	3.02	0.799	1	A
Chlordane	119	J ✓	ug/kg	19.7	8.02	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	93		30-150	A



*NW 8/13/18*

6



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

**Lab ID:** L1807917-01  
**Client ID:** GP06\_07.5-10.0  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/12/18 23:47  
**Analyst:** WR  
**Percent Solids:** 69%

**Date Collected:** 03/07/18 11:30  
**Date Received:** 03/07/18  
**Field Prep:** Not Specified  
**Extraction Method:**EPA 3546  
**Extraction Date:** 03/10/18 11:22  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/10/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	45.6	5.18	1	A
Aroclor 1221	ND		ug/kg	45.6	6.95	1	A
Aroclor 1232	ND		ug/kg	45.6	4.49	1	A
Aroclor 1242	ND		ug/kg	45.6	5.59	1	A
Aroclor 1248	ND		ug/kg	45.6	5.12	1	A
Aroclor 1254	ND		ug/kg	45.6	3.72	1	A
Aroclor 1260	11.2	J	ug/kg	45.6	4.77	1	A
Aroclor 1262	ND		ug/kg	45.6	3.75	1	A
Aroclor 1268	ND		ug/kg	45.6	3.23	1	A
PCBs, Total	11.2	J	ug/kg	45.6	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	82		30-150	B

*NW 8/13/18*



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-02  
 Client ID: GP07\_02.5-05.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/13/18 00:00  
 Analyst: WR  
 Percent Solids: 72%

Date Collected: 03/07/18 14:00  
 Date Received: 03/07/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/10/18 11:22  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/10/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	44.4	5.03	1	A
Aroclor 1221	ND		ug/kg	44.4	6.76	1	A
Aroclor 1232	ND		ug/kg	44.4	4.37	1	A
Aroclor 1242	ND		ug/kg	44.4	5.43	1	A
Aroclor 1248	ND		ug/kg	44.4	4.98	1	A
Aroclor 1254	170	J	ug/kg	44.4	3.62	1	B
Aroclor 1260	84.5	J	ug/kg	44.4	4.63	1	B
Aroclor 1262	ND		ug/kg	44.4	3.65	1	A
Aroclor 1268	ND		ug/kg	44.4	3.14	1	A
PCBs, Total	255		ug/kg	44.4	3.14	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	57		30-150	B



Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-03
Client ID: GP08\_07.5-10.0
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/13/18 00:14
Analyst: WR
Percent Solids: 76%

Date Collected: 03/07/18 15:40
Date Received: 03/07/18
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/10/18 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 03/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/11/18

Table with 8 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor, Column. Section: Polychlorinated Biphenyls by GC - Westborough Lab. Rows include Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, 1268, and PCBs, Total.

Table with 5 columns: Surrogate, % Recovery, Qualifier, Acceptance Criteria, Column. Rows include 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl.

NW 8/13/18



4

Serial\_No:03151815:16

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807917

**Project Number:** 16.6345

**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-04  
 Client ID: GP07\_15.0-17.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/13/18 00:27  
 Analyst: WR  
 Percent Solids: 78%

Date Collected: 03/07/18 14:15  
 Date Received: 03/07/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/10/18 11:22  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/10/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	41.8	4.74	1	A
Aroclor 1221	ND		ug/kg	41.8	6.36	1	A
Aroclor 1232	ND		ug/kg	41.8	4.11	1	A
Aroclor 1242	ND		ug/kg	41.8	5.11	1	A
Aroclor 1248	ND		ug/kg	41.8	4.68	1	A
Aroclor 1254	ND		ug/kg	41.8	3.41	1	A
Aroclor 1260	ND		ug/kg	41.8	4.36	1	A
Aroclor 1262	ND		ug/kg	41.8	3.43	1	A
Aroclor 1268	ND		ug/kg	41.8	2.96	1	A
PCBs, Total	ND		ug/kg	41.8	2.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	41		30-150	B

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-05  
Client ID: SUMP\_PELLETS  
Sample Location: GUILDERLAND, NY  
Sample Depth:  
Matrix: Solid  
Analytical Method: 1,8082A  
Analytical Date: 03/14/18 10:13  
Analyst: WR  
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 03/07/18 16:15  
Date Received: 03/07/18  
Field Prep: Not Specified  
Extraction Method: EPA 3540C  
Extraction Date: 03/10/18 15:40  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/12/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	97.5	11.0	1	A
Aroclor 1221	ND		ug/kg	97.5	14.8	1	A
Aroclor 1232	ND		ug/kg	97.5	9.59	1	A
Aroclor 1242	ND		ug/kg	97.5	11.9	1	A
Aroclor 1248	ND		ug/kg	97.5	10.9	1	A
Aroclor 1254	ND		ug/kg	97.5	7.95	1	A
Aroclor 1260	ND		ug/kg	97.5	10.2	1	A
Aroclor 1262	ND		ug/kg	97.5	8.01	1	A
Aroclor 1268	ND		ug/kg	97.5	6.90	1	A
PCBs, Total	ND		ug/kg	97.5	6.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	90		30-150	B

NW 8/13/18



6

Serial\_No:03151815:16

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-06  
 Client ID: SUMP\_SOIL  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/13/18 00:41  
 Analyst: WR  
 Percent Solids: 65%

Date Collected: 03/07/18 16:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/10/18 11:22  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/10/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	50.0	5.67	1	A
Aroclor 1221	ND		ug/kg	50.0	7.61	1	A
Aroclor 1232	ND		ug/kg	50.0	4.92	1	A
Aroclor 1242	ND		ug/kg	50.0	6.12	1	A
Aroclor 1248	ND		ug/kg	50.0	5.61	1	A
Aroclor 1254	255		ug/kg	50.0	4.08	1	B
Aroclor 1260	301		ug/kg	50.0	5.22	1	A
Aroclor 1262	ND		ug/kg	50.0	4.11	1	A
Aroclor 1268	ND		ug/kg	50.0	3.54	1	A
PCBs, Total	556		ug/kg	50.0	3.54	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	112		30-150	B

NW 3/13/18





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-01  
 Client ID: GP06\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 69%

Date Collected: 03/07/18 11:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	9460		mg/kg	11.2	3.03	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Antimony, Total	0.629	J	mg/kg	5.62	0.427	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Arsenic, Total	6.49		mg/kg	1.12	0.234	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Barium, Total	39.2		mg/kg	1.12	0.195	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Beryllium, Total	0.517	J	mg/kg	0.562	0.037	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.12	0.110	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Calcium, Total	3050		mg/kg	11.2	3.93	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Chromium, Total	12.6		mg/kg	1.12	0.108	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Cobalt, Total	8.92		mg/kg	2.25	0.186	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Copper, Total	23.0		mg/kg	1.12	0.290	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Iron, Total	22200		mg/kg	5.62	1.01	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Lead, Total	6.49		mg/kg	5.62	0.301	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Magnesium, Total	3370		mg/kg	11.2	1.73	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Manganese, Total	574		mg/kg	1.12	0.178	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Mercury, Total	0.04	J	mg/kg	0.09	0.02	1	03/14/18 07:30	03/14/18 12:42	EPA 7471B	1,7471B	MG
Nickel, Total	20.0		mg/kg	2.81	0.272	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Potassium, Total	513		mg/kg	281	16.2	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.25	0.290	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.12	0.318	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Sodium, Total	116	J	mg/kg	225	3.54	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.25	0.354	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Vanadium, Total	19.2		mg/kg	1.12	0.228	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB
Zinc, Total	44.4	J	mg/kg	5.62	0.329	2	03/09/18 19:40	03/14/18 12:07	EPA 3050B	1,6010C	AB



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-02  
 Client ID: GP07\_02.5-05.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 72%

Date Collected: 03/07/18 14:00  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	18200		mg/kg	10.7	2.88	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Antimony, Total	1.10	J	mg/kg	5.33	0.405	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Arsenic, Total	10.0		mg/kg	1.07	0.222	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Barium, Total	85.5		mg/kg	1.07	0.186	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Beryllium, Total	0.981		mg/kg	0.533	0.035	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.07	0.104	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Calcium, Total	1620		mg/kg	10.7	3.73	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Chromium, Total	17.8		mg/kg	1.07	0.102	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Cobalt, Total	14.1		mg/kg	2.13	0.177	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Copper, Total	27.2		mg/kg	1.07	0.275	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Iron, Total	34200		mg/kg	5.33	0.963	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Lead, Total	9.74		mg/kg	5.33	0.286	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Magnesium, Total	4390		mg/kg	10.7	1.64	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Manganese, Total	542		mg/kg	1.07	0.170	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Mercury, Total	0.05	J ✓	mg/kg	0.09	0.02	1	03/14/18 07:30	03/14/18 12:53	EPA 7471B	1,7471B	MG
Nickel, Total	27.9		mg/kg	2.67	0.258	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Potassium, Total	1280		mg/kg	267	15.4	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.13	0.275	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.07	0.302	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Sodium, Total	114	J	mg/kg	213	3.36	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.13	0.336	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Vanadium, Total	26.7		mg/kg	1.07	0.216	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB
Zinc, Total	65.3	J	mg/kg	5.33	0.312	2	03/09/18 19:40	03/14/18 12:12	EPA 3050B	1,6010C	AB



Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1807917  
Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-03  
Client ID: GP08\_07.5-10.0  
Sample Location: GUILDERLAND, NY  
Sample Depth:  
Matrix: Soil  
Percent Solids: 76%

Date Collected: 03/07/18 15:40  
Date Received: 03/07/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	11900		mg/kg	10.4	2.82	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Antimony, Total	0.888	J	mg/kg	5.22	0.397	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Arsenic, Total	6.19		mg/kg	1.04	0.217	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Barium, Total	60.0		mg/kg	1.04	0.182	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Beryllium, Total	0.626		mg/kg	0.522	0.035	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.04	0.102	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Calcium, Total	3160		mg/kg	10.4	3.65	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Chromium, Total	15.5		mg/kg	1.04	0.100	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Cobalt, Total	9.83		mg/kg	2.09	0.173	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Copper, Total	21.9		mg/kg	1.04	0.269	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Iron, Total	24400		mg/kg	5.22	0.943	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Lead, Total	6.63		mg/kg	5.22	0.280	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Magnesium, Total	4040		mg/kg	10.4	1.61	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Manganese, Total	571		mg/kg	1.04	0.166	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	03/14/18 07:30	03/14/18 12:55	EPA 7471B	1,7471B	MG
Nickel, Total	22.2		mg/kg	2.61	0.253	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Potassium, Total	801		mg/kg	261	15.0	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.09	0.269	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.04	0.296	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Sodium, Total	125	J	mg/kg	209	3.29	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.09	0.329	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Vanadium, Total	20.7		mg/kg	1.04	0.212	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB
Zinc, Total	52.7	J	mg/kg	5.22	0.306	2	03/09/18 19:40	03/14/18 12:16	EPA 3050B	1,6010C	AB



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-04  
 Client ID: GP07\_15.0-17.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 78%

Date Collected: 03/07/18 14:15  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8690		mg/kg	9.82	2.65	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Antimony, Total	0.717	J	mg/kg	4.91	0.373	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Arsenic, Total	5.12		mg/kg	0.982	0.204	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Barium, Total	50.0		mg/kg	0.982	0.171	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Beryllium, Total	0.550		mg/kg	0.491	0.032	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.982	0.096	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Calcium, Total	38400		mg/kg	9.82	3.44	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Chromium, Total	12.6		mg/kg	0.982	0.094	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Cobalt, Total	9.55		mg/kg	1.96	0.163	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Copper, Total	20.7		mg/kg	0.982	0.253	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Iron, Total	21400		mg/kg	4.91	0.887	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Lead, Total	8.30		mg/kg	4.91	0.263	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Magnesium, Total	7880		mg/kg	9.82	1.51	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Manganese, Total	524		mg/kg	0.982	0.156	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	03/14/18 07:30	03/14/18 12:56	EPA 7471B	1,7471B	MG
Nickel, Total	19.4		mg/kg	2.46	0.238	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Potassium, Total	896		mg/kg	246	14.1	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.96	0.253	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.982	0.278	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Sodium, Total	144	J	mg/kg	196	3.09	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.96	0.309	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Vanadium, Total	20.2		mg/kg	0.982	0.199	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB
Zinc, Total	50.8	J	mg/kg	4.91	0.288	2	03/09/18 19:40	03/14/18 12:33	EPA 3050B	1,6010C	AB



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-05  
 Client ID: SUMP\_PELLETS  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Solid  
 Percent Solids: Results are reported on an 'AS RECEIVED' basis.

Date Collected: 03/07/18 16:15  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	606		mg/kg	7.66	2.07	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Antimony, Total	0.322	J	mg/kg	3.83	0.291	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Arsenic, Total	3.27		mg/kg	0.766	0.159	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Barium, Total	29.0		mg/kg	0.766	0.133	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Beryllium, Total	0.544		mg/kg	0.383	0.025	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Cadmium, Total	0.850		mg/kg	0.766	0.075	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Calcium, Total	2870		mg/kg	7.66	2.68	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Chromium, Total	6.30		mg/kg	0.766	0.074	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Cobalt, Total	3.12		mg/kg	1.53	0.127	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Copper, Total	117		mg/kg	0.766	0.198	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Iron, Total	2840		mg/kg	3.83	0.691	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Lead, Total	12.3		mg/kg	3.83	0.205	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Magnesium, Total	467		mg/kg	7.66	1.18	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Manganese, Total	36.8		mg/kg	0.766	0.122	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Mercury, Total	0.24	J	mg/kg	0.06	0.01	1	03/14/18 07:30	03/14/18 12:58	EPA 7471B	1,7471B	MG
Nickel, Total	12.0		mg/kg	1.91	0.185	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Potassium, Total	75.3	J	mg/kg	191	11.0	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.53	0.198	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.766	0.217	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Sodium, Total	115	J	mg/kg	153	2.41	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.53	0.241	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Vanadium, Total	17.0		mg/kg	0.766	0.155	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB
Zinc, Total	224	J	mg/kg	3.83	0.224	2	03/09/18 19:40	03/14/18 12:38	EPA 3050B	1,6010C	AB



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-06  
 Client ID: SUMP\_SOIL  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 65%

Date Collected: 03/07/18 16:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4790		mg/kg	12.0	3.25	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Antimony, Total	1.79	J	mg/kg	6.02	0.458	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Arsenic, Total	2.88		mg/kg	1.20	0.250	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Barium, Total	136		mg/kg	1.20	0.210	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Beryllium, Total	0.193	J	mg/kg	0.602	0.040	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Cadmium, Total	1.00	J	mg/kg	1.20	0.118	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Calcium, Total	31000		mg/kg	12.0	4.22	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Chromium, Total	12.0		mg/kg	1.20	0.116	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Cobalt, Total	4.29		mg/kg	2.41	0.200	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Copper, Total	335		mg/kg	1.20	0.311	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Iron, Total	12200		mg/kg	6.02	1.09	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Lead, Total	65.0		mg/kg	6.02	0.323	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Magnesium, Total	3420		mg/kg	12.0	1.86	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Manganese, Total	106		mg/kg	1.20	0.192	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Mercury, Total	0.98	J	mg/kg	0.10	0.02	1	03/14/18 07:30	03/14/18 13:00	EPA 7471B	1,7471B	MG
Nickel, Total	15.1		mg/kg	3.01	0.292	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Potassium, Total	232	J	mg/kg	301	17.3	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.41	0.311	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Silver, Total	1.38		mg/kg	1.20	0.341	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Sodium, Total	114	J	mg/kg	241	3.79	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.41	0.379	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Vanadium, Total	7.96		mg/kg	1.20	0.244	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB
Zinc, Total	379	J	mg/kg	6.02	0.353	2	03/09/18 19:40	03/14/18 12:42	EPA 3050B	1,6010C	AB





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1807917-01  
 Client ID: GP06\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil

Date Collected: 03/07/18 11:30  
 Date Received: 03/07/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	69.4		%	0.100	NA	1	-	03/08/18 13:58	121,2540G	RI
Cyanide, Total	<del>ND</del> <i>uJ</i>		mg/kg	1.3	0.28	1	03/08/18 22:00	03/09/18 12:32	1,9010C/9012B	LH



*NW 8/13/18*

2

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

**Lab ID:** L1807917-02  
**Client ID:** GP07\_02.5-05.0  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil

**Date Collected:** 03/07/18 14:00  
**Date Received:** 03/07/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	72.3		%	0.100	NA	1	-	03/08/18 13:58	121,2540G	RI
Cyanide, Total	ND	WJ	mg/kg	1.3	0.27	1	03/08/18 22:00	03/09/18 12:33	1,9010C/9012B	LH



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

**Lab ID:** L1807917-03  
**Client ID:** GP08\_07.5-10.0  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil

**Date Collected:** 03/07/18 15:40  
**Date Received:** 03/07/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.7		%	0.100	NA	1	-	03/08/18 13:58	121,2540G	RI
Cyanide, Total	<del>ND</del> UJ		mg/kg	1.3	0.28	1	03/08/18 22:00	03/09/18 12:34	1,9010C/9012B	LH



NW 8/13/18

4

Serial\_No:03151815:16

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-04  
Client ID: GP07\_15.0-17.5  
Sample Location: GUILDERLAND, NY  
Sample Depth:  
Matrix: Soil

Date Collected: 03/07/18 14:15  
Date Received: 03/07/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	03/08/18 13:58	121,2540G	RI
Cyanide, Total	<del>ND</del> <i>UJ</i>		mg/kg	1.3	0.27	1	03/08/18 22:00	03/09/18 12:35	1,9010C/9012B	LH



*NW 8/13/18*

5

Serial\_No:03151815:16

Project Name: MASTER CLEANERS

Lab Number: L1807917

Project Number: 16.6345

Report Date: 03/15/18

SAMPLE RESULTS

Lab ID: L1807917-05  
Client ID: SUMP\_PELLETS  
Sample Location: GUILDERLAND, NY  
Sample Depth:  
Matrix: Solid

Date Collected: 03/07/18 16:15  
Date Received: 03/07/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.30	J	mg/kg	0.91	0.19	1	03/11/18 15:55	03/12/18 10:23	1,9010C/9012B	LH



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807917  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

**Lab ID:** L1807917-06  
**Client ID:** SUMP\_SOIL  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil

**Date Collected:** 03/07/18 16:30  
**Date Received:** 03/07/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	64.6		%	0.100	NA	1	-	03/08/18 13:58	121,2540G	RI
Cyanide, Total	<del>ND</del> 4J		mg/kg	1.5	0.32	1	03/11/18 15:55	03/12/18 10:24	1,9010C/9012B	LH



NW 8/13/18

**DATA USABILITY SUMMARY REPORT  
MASTER CLEANERS, GUILDERLAND, NEW YORK**

Client: C.T. Male Associates, Latham, New York  
 SDG: L1814304  
 Laboratory: Alpha Analytical, Westborough, Massachusetts  
 Site: Master Cleaners, Guilderland, New York  
 Date: August 18, 2018

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	SUMP SOIL_2018.04.24	L1814304-01	Soil
1MS*	SUMP SOIL_2018.04.24MS	L1814304-01MS	Soil
1DUP*	SUMP SOIL_2018.04.24DUP	L1814304-01DUP	Soil

\* - Metals only

A Data Usability Summary Review was performed on the analytical data for one soil sample collected on April 24, 2018 by CT Male at the Master Cleaners site in Guilderland, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *“Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions”*.

Specific method references are as follows:

Analysis

VOCs (TCLP)  
 SVOCs (TCLP)  
 Pesticides (TCLP)  
 Herbicides (TCLP)  
 Metals/Mercury (TCLP)  
 Reactive Cyanide  
 Reactive Sulfide  
 pH

Method References

USEPA SW-846 Method 8260C  
 USEPA SW-846 Method 8270D  
 USEPA SW-846 Method 8081A  
 USEPA SW-846 Method 8151A  
 USEPA SW-846 Method 6010C/7470A  
 USEPA Method 125.7.3  
 USEPA Method 125.7.3  
 USEPA SW-846 Method 9045D

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- SOP Number HW-35A, Revision 1, September 2016: Semivolatile Data Validation;
- SOP Number HW-36A, Revision 1, October 2016: Pesticide Data Validation;
- SOP Number HW-3a, Revision 1, September 2016: ICP-AES Data Validation;
- SOP Number HW-3b, Revision 1, September 2016: ICP-MS Data Validation;
- SOP Number HW-3c, Revision 1, September 2016: Mercury and Cyanide Data Validation;

- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

### ***Organics***

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

### ***Inorganics***

- Data Completeness
- Holding times and sample preservation
- Matrix Spike/Duplicate (MS/DUP) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

### **Data Usability Assessment**

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

### **Data Completeness**

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

## TCLP Volatile Organic Compounds (VOCs)

### Holding Times

- All samples were TCLP extracted within 7 days and analyzed within 7 days of extraction.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1111249-10	2-Butanone	56%	UJ	1

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/30/18 (0841)	Carbon Tetrachloride	31.1%	UJ	1

### Compound Quantitation

- EDS Sample 1 exhibited high concentrations of tetrachloroethene and trichloroethene over the calibration range of the instrument and were flagged (E) by the laboratory. The sample was diluted 1000X and the dilution results for these compounds should be used for reporting purposes.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not identified.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

## TCLP Semivolatile Organic Compounds (SVOCs)

### Holding Times

- All samples were extracted within 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS sample exhibited acceptable percent recoveries (%R).

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were no collected.

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The continuing calibrations exhibited acceptable %D and RRF values.

### Compound Quantitation

- No discrepancies were identified.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not reported.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

## TCLP Pesticides (Pest)

### Holding Times

- All samples were extracted within 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

### Continuing Calibration

- All %D criteria were met.

### Compound Quantitation

- All criteria were met.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

### GC Column Difference Results

- All criteria were met.

## TCLP Herbicides (Herb)

### Holding Times

- All samples were extracted within 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

### Continuing Calibration

- All %D criteria were met.

### Compound Quantitation

- All criteria were met.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

### GC Column Difference Results

- All criteria were met.

## TCLP Metals, TCLP Mercury, Reactive Cyanide, Reactive Sulfide, pH

### Holding Times

- All samples were prepared and analyzed within 14 days for cyanide and sulfide, 28 days for mercury and 180 days for all other metals.

### Matrix Spike/Duplicate (MS/DUP) Recoveries

- The MS/DUP samples exhibited acceptable percent recoveries (%R) and RPD values.

### Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### Initial Calibration Verification

- All initial calibration criteria were met.

### Continuing Calibration Verification

- All continuing calibration criteria were met.

### Compound Quantitation

- All criteria were met.

### ICP Serial Dilution

- An ICP serial dilution was not performed.

**Field Duplicate Sample Precision**

- Field duplicate samples were not collected.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver  
Nancy Weaver  
Senior Chemist

Dated: 8/23/18

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1814304  
**Report Date:** 05/01/18

**SAMPLE RESULTS**

**Lab ID:** L1814304-01  
**Client ID:** SUMP SOIL\_2018.04.24  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 04/24/18 09:55  
**Date Received:** 04/24/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 04/30/18 13:43  
**Analyst:** MM

TCLP/SPLP Ext. Date: 04/28/18 04:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**TCLP Volatiles by EPA 1311 - Westborough Lab**

Chloroform	2.6	J	ug/l	7.5	2.2	10
Carbon tetrachloride	ND	US	ug/l	5.0	1.3	10
Tetrachloroethene	<del>72000</del> 200000	J	ug/l	<del>5.0</del> 500	<del>1.8</del> 180	<del>10</del> 1000
Chlorobenzene	4.0	J	ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	2.5	J	ug/l	5.0	1.7	10
Trichloroethene	<del>6500</del> 5000	J	ug/l	<del>5.0</del> 500	<del>1.8</del> 180	<del>10</del> 1000
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND	US	ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	90		70-130
dibromofluoromethane	109		70-130

NW 8/13/18



1D

**Project Name:** MASTER CLEANERS

**Lab Number:** L1814304

**Project Number:** 16.6345

**Report Date:** 05/01/18

**SAMPLE RESULTS**

Lab ID: L1814304-01 D  
Client ID: SUMP SOIL\_2018.04.24  
Sample Location: GUILDERLAND, NY

Date Collected: 04/24/18 09:55  
Date Received: 04/24/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Soil  
Analytical Method: 1,8260C  
Analytical Date: 05/01/18 11:15  
Analyst: MM

TCLP/SPLP Ext. Date: 04/28/18 04:00

*use original*

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Tetrachloroethene	200000		ug/l	500	180	1000
Trichloroethene	5000		ug/l	500	180	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	93		70-130
dibromofluoromethane	110		70-130

*NW 8/13/18*



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1814304  
**Report Date:** 05/01/18

**SAMPLE RESULTS**

**Lab ID:** L1814304-01  
**Client ID:** SUMP SOIL\_2018.04.24  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 04/24/18 09:55  
**Date Received:** 04/24/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 04/29/18 18:06  
**Analyst:** SZ

**Extraction Method:** EPA 3510C  
**Extraction Date:** 04/27/18 07:35

TCLP/SPLP Ext. Date: 04/25/18 17:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	96		33-120

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1814304

**Project Number:** 16.6345

**Report Date:** 05/01/18

**SAMPLE RESULTS**

Lab ID: L1814304-01  
 Client ID: SUMP SOIL\_2018.04.24  
 Sample Location: GUILDERLAND, NY

Date Collected: 04/24/18 09:55  
 Date Received: 04/24/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 04/28/18 16:11  
 Analyst: KEG

Extraction Method: EPA 3510C  
 Extraction Date: 04/27/18 07:28

TCLP/SPLP Ext. Date: 04/25/18 17:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	88		30-150	B

NW 8/13/18



# Form 1 GC Organics

Client : C.T. Male Associates	Lab Number : L1814304
Project Name : MASTER CLEANERS	Project Number : 16.6345
Lab ID : L1814304-01	Date Collected : 04/24/18 09:55
Client ID : SUMP SOIL_2018.04.24	Date Received : 04/24/18
Sample Location : GUILDERLAND, NY	Date Analyzed : 04/28/18 15:44
Sample Matrix : SOIL	Date Extracted : 04/27/18
Analytical Method : 1,8151A	Dilution Factor : 1
Lab File ID : 17180428a-10	Analyst : SL
Sample Amount : 200 ml	Instrument ID : PEST17
Extraction Method : EPA 8151A	GC Column : STX-CLP1
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : N	

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	0.025	0.001	U
93-72-1	2,4,5-TP (Silvex)	ND	0.005	0.001	U

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1814304  
**Report Date:** 05/01/18

**SAMPLE RESULTS**

**Lab ID:** L1814304-01  
**Client ID:** SUMP SOIL\_2018.04.24  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 04/24/18 09:55  
**Date Received:** 04/24/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

**TCLP/SPLP Ext. Date:** 04/25/18 17:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	04/27/18 18:48	04/28/18 00:42	EPA 3015	1,6010C	AB
Barium, TCLP	0.366	J	mg/l	0.500	0.021	1	04/27/18 18:48	04/28/18 00:42	EPA 3015	1,6010C	AB
Cadmium, TCLP	0.065	J	mg/l	0.100	0.010	1	04/27/18 18:48	04/28/18 00:42	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	04/27/18 18:48	04/28/18 00:42	EPA 3015	1,6010C	AB
Lead, TCLP	0.281	J	mg/l	0.500	0.027	1	04/27/18 18:48	04/28/18 00:42	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	04/27/18 15:00	04/27/18 20:58	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	04/27/18 18:48	04/28/18 00:42	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	04/27/18 18:48	04/28/18 00:42	EPA 3015	1,6010C	AB



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1814304  
**Report Date:** 05/01/18

**SAMPLE RESULTS**

**Lab ID:** L1814304-01  
**Client ID:** SUMP SOIL\_2018.04.24  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 04/24/18 09:55  
**Date Received:** 04/24/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
pH (H)	7.3		SU	-	NA	1	-	04/25/18 08:11	1,9045D	MA
Cyanide, Reactive	ND		mg/kg	10	10.	1	04/26/18 02:07	04/26/18 04:01	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	10.	1	04/26/18 02:07	04/26/18 04:16	125,7.3	JD



NW 8/13/18

**Form 1  
WETCHEM**

Client : C.T. Male Associates  
 Project Name : MASTER CLEANERS  
 Lab ID : L1814304-01  
 Client ID : SUMP SOIL\_2018.04.24  
 Sample Location : GUILDERLAND, NY  
 Sample Matrix : SOIL  
 Analytical Method : 125,7.3  
 Lab File ID : WG1109877.csv  
 Sample Amount :  
 Digestion Method :

Lab Number : L1814304  
 Project Number : 16.6345  
 Date Collected : 04/24/18 09:55  
 Date Received : 04/24/18  
 Date Analyzed : 04/26/18 04:01  
 Dilution Factor : 1  
 Analyst : JD  
 Instrument ID : GENSY10VI  
 %Solids : NA  
 Date Digested : 04/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
57-12-5	Cyanide, Reactive	ND	10	10.	U

*NW 8/13/18*



# Form 1 WETCHEM

**Client** : C.T. Male Associates  
**Project Name** : MASTER CLEANERS  
**Lab ID** : L1814304-01  
**Client ID** : SUMP SOIL\_2018.04.24  
**Sample Location** : GUILDERLAND, NY  
**Sample Matrix** : SOIL  
**Analytical Method** : 125,7.3  
**Lab File ID** : WG1109871.csv  
**Sample Amount** :  
**Digestion Method** :

**Lab Number** : L1814304  
**Project Number** : 16.6345  
**Date Collected** : 04/24/18 09:55  
**Date Received** : 04/24/18  
**Date Analyzed** : 04/26/18 04:16  
**Dilution Factor** : 1  
**Analyst** : JD  
**Instrument ID** : GENSYS10VI  
**%Solids** : NA  
**Date Digested** : 04/26/18

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
NONE	Sulfide, Reactive	ND	10	10.	U

nw 8/13/18



**DATA USABILITY SUMMARY REPORT  
MASTER CLEANERS, GUILDERLAND, NEW YORK**

Client: C.T. Male Associates, Latham, New York  
 SDG: L1807766  
 Laboratory: Alpha Analytical, Westborough, Massachusetts  
 Site: Master Cleaners, Guilderland, New York  
 Date: August 18, 2018

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	GP01_05.0-07.5	L1807766-01	Soil
2	GP02_07.5-10.0	L1807766-02	Soil
3	GP03_10.0-12.5	L1807766-03	Soil
4	GP04_12.5-15.0	L1807766-04	Soil
5	GP05_12.5-15.0	L1807766-05	Soil
5MS	GP05_12.5-15.0MS	L1807766-05MS	Soil
5MSD	GP05_12.5-15.0MSD	L1807766-05MSD	Soil
6	FD01_2018.03.06	L1807766-06	Soil
7	EB01_2018.03.06	L1807766-07	Water
8*	TRANSPORT BLANK	L1807766-08	Water

\* - VOC only

A Data Usability Summary Review was performed on the analytical data for six soil samples, one aqueous equipment blank sample, and one aqueous trip blank sample collected on March 5-6, 2018 by CT Male at the Master Cleaners site in Guilderland, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *“Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions”*.

Specific method references are as follows:

Analysis

VOCs  
 SVOCs  
 Pesticides  
 PCB  
 Metals/Mercury  
 Cyanide

Method References

USEPA SW-846 Method 8260C  
 USEPA SW-846 Method 8270D  
 USEPA SW-846 Method 8081B  
 USEPA SW-846 Method 8082A  
 USEPA SW-846 Method 6010C/7471B  
 USEPA SW-846 Method 9010C/9012B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- SOP Number HW-35A, Revision 1, September 2016: Semivolatile Data Validation;

- SOP Number HW-36A, Revision 1, October 2016: Pesticide Data Validation;
- SOP Number HW-37A, Revision 0, June 2015: Polychlorinated Biphenyl (PCB) Aroclor Data Validation;
- SOP Number HW-3a, Revision 1, September 2016: ICP-AES Data Validation;
- SOP Number HW-3b, Revision 1, September 2016: ICP-MS Data Validation;
- SOP Number HW-3c, Revision 1, September 2016: Mercury and Cyanide Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

### ***Organics***

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

### ***Inorganics***

- Data Completeness
- Holding times and sample preservation
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

### **Data Usability Assessment**

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

### Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

### Volatile Organic Compounds (VOCs)

### Holding Times

- All samples were analyzed within 14 days for preserved water and soil samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
5	Chloromethane	136%/149%/OK	None - Sample ND

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1096498-3	Chloromethane	137%	None	All Associated ND

### **Method Blank**

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. For detected compound concentrations <RL, the results are negated and qualified (U). For detected sample concentrations >RL of methylene chloride, 2-butanone or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds >RL, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/kg	Qualifier	Affected Samples
WG1096498-5	Bromomethane	93	None	All Associated ND
	2-Butanone	83		

### **Field Blank**

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. For detected compound concentrations <RL, the results are negated and qualified (U). For detected sample concentrations >RL of methylene chloride, 2-butanone or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds >RL, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB01_2018.03.06	Carbon Disulfide	3.0	None	All Associated ND
TRANSPORT BLANK	None - ND	-	-	-

### **GC/MS Tuning**

- All criteria were met.

### **Initial Calibration**

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/07/18 (0719)	Freon-113	25%	UJ	7-8
03/10/18 (0948)	Chloromethane	37%	UJ	1-6

### Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not identified.

### Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	GP04_12.5-15.0 ug/kg	FD01_2018.03.06 ug/kg	RPD	Qualifier
Tetrachloroethene	31000	31000	0%	None
Vinyl Chloride	330	480	37%	
Trichloroethene	1700	1700	0%	
cis-1,2-Dichloroethene	8200	7900	4%	

## Semivolatile Organic Compounds (SVOCs)

### Holding Times

- All samples were extracted within 7 days for water samples, 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD sample exhibited acceptable %R and RPD values.

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1095492-2	p-Chloro-m-cresol	105%	None	All Associated ND

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB01_2018.03.06	None - ND	-	-	-

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/12/18 (0722)	Nitrobenzene	22.4%	UJ	1-6
	Isophorone	27%		
	2-Nitrophenol	23.8%		
03/12/18 (1046)	2-Nitrophenol	20.5%	UJ	7

### Compound Quantitation

- All criteria were met.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not reported.

### Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	GP04_12.5-15.0 ug/kg	FD01_2018.03.06 ug/kg	RPD	Qualifier
None	ND	ND	-	-

## Pesticides/Polychlorinated Biphenyls (PCBs)

### Holding Times

- All samples were extracted within 7 days for water samples, 14 days for soil samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- The following table presents surrogate percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Pesticides			
Sample ID	Surrogate	%R	Qualifier
6	TCX1/DCB1/TCX2/DCB2	OK/OK/276%/OK	None - Sample ND

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD sample exhibited acceptable %R and RPD values.

### Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB01_2018.03.06	None - ND	-	-	-

### Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

### Continuing Calibration

- All %D criteria were met.

### Compound Quantitation

- All criteria were met.

### Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Pesticides				
Compound	GP04_12.5-15.0 ug/kg	FD01_2018.03.06 ug/kg	RPD	Qualifier
None	ND	ND	-	-

PCBs				
Compound	GP04_12.5-15.0 ug/kg	FD01_2018.03.06 ug/kg	RPD	Qualifier
None	ND	ND	-	-

### GC Column Difference Results

- EDS Sample ID 1 exhibited a %D >40% for trans-chlordane between columns and was flagged "P" by the laboratory. The reviewer further qualified this result estimated (J).

## Metals & Cyanide

### Holding Times

- All samples were prepared and analyzed within 14 days for cyanide, 28 days for mercury and 180 days for all other metals.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier	Affected samples
5	Mercury	161%/158%/OK	J	All Soil Samples
	Thallium	73%/72%/OK	J/UJ	All Soil Samples

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R/%R/RPD	Qualifier	Affected Samples
WG1095412-3	Cyanide	66%/52%/OK	UJ	1-3
WG1095414-2	Cyanide	65%/52%/OK	UJ	4-6

### Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Sample ID	Compound	Conc. mg/L	Qualifier	Affected Samples
WG1095917-1	Calcium	0.053	None	All Associated >10X

Sample ID	Compound	Conc. mg/kg	Qualifier	Affected Samples
WG1096049-1	Iron	0.736	None	All Associated >10X

### **Field Blank**

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Sample ID	Compound	Conc. mg/L	Qualifier	Affected Samples
EB01_2018.03.06	Aluminum	0.032	None	All Associated >10X
	Calcium	1.56		
	Chromium	0.009		
	Iron	0.395		
	Magnesium	0.067		
	Manganese	0.004		

### **Initial Calibration Verification**

- All initial calibration criteria were met.

### **Continuing Calibration Verification**

- All continuing calibration criteria were met.

### **Compound Quantitation**

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

### **ICP Serial Dilution**

- An ICP serial dilution was not performed.

### **Field Duplicate Sample Precision**

- Field duplicate results are summarized below. The precision was unacceptable (RPD >40%) for several metals in the field duplicate pair. These results were qualified estimated (J).

Compound	GP04_12.5-15.0 mg/kg	FD01_2018.03.06 mg/kg	RPD	Qualifier
Aluminum	19000	8800	73%	J
Antimony	1.17	0.646	58%	None - <5X RL
Arsenic	5.37	7.04	27%	None
Barium	130	54.3	82%	J
Beryllium	0.977	0.519	61%	None - <5X RL
Calcium	17600	34700	65%	J
Chromium	21.0	12.6	50%	None
Cobalt	11.1	9.76	13%	
Copper	25.0	17.7	34%	
Iron	30700	22400	31%	
Lead	10.0	7.68	26%	
Magnesium	7780	6370	20%	
Manganese	362	486	29%	
Mercury	0.03	0.04	29%	
Nickel	25.6	16.5	43%	J
Potassium	2370	875	92%	None
Sodium	258	223	15%	
Vanadium	28.1	24.9	12%	
Zinc	80.1	47.4	51%	J

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/23/18  
Nancy Weaver  
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

Serial\_No:03141817:30  
**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-01  
 Client ID: GP01\_05.0-07.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/10/18 17:39  
 Analyst: AD  
 Percent Solids: 68%

Date Collected: 03/05/18 13:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by 8260/5035 - Westborough Lab**

Methylene chloride	ND		ug/kg	870	140	1
1,1-Dichloroethane	ND		ug/kg	130	24.	1
Chloroform	ND		ug/kg	130	32.	1
Carbon tetrachloride	ND		ug/kg	87	30.	1
1,2-Dichloropropane	ND		ug/kg	300	20.	1
Dibromochloromethane	ND		ug/kg	87	15.	1
1,1,2-Trichloroethane	ND		ug/kg	130	27.	1
Tetrachloroethene	28	J	ug/kg	87	26.	1
Chlorobenzene	ND		ug/kg	87	30.	1
Trichlorofluoromethane	ND		ug/kg	440	36.	1
1,2-Dichloroethane	ND		ug/kg	87	22.	1
1,1,1-Trichloroethane	ND		ug/kg	87	30.	1
Bromodichloromethane	ND		ug/kg	87	27.	1
trans-1,3-Dichloropropene	ND		ug/kg	87	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	87	20.	1
Bromoform	ND		ug/kg	350	21.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	87	26.	1
Benzene	ND		ug/kg	87	17.	1
Toluene	ND		ug/kg	130	17.	1
Ethylbenzene	ND		ug/kg	87	15.	1
Chloromethane	<del>ND</del> US		ug/kg	440	38.	1
Bromomethane	ND		ug/kg	170	30.	1
Vinyl chloride	ND		ug/kg	170	28.	1
Chloroethane	ND		ug/kg	170	28.	1
1,1-Dichloroethene	ND		ug/kg	87	32.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	21.	1
Trichloroethene	ND		ug/kg	87	26.	1
1,2-Dichlorobenzene	ND		ug/kg	440	16.	1
1,3-Dichlorobenzene	ND		ug/kg	440	19.	1

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

**Lab ID:** L1807766-01  
**Client ID:** GP01\_05.0-07.5  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**

**Date Collected:** 03/05/18 13:00  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	440	16.	1
Methyl tert butyl ether	ND		ug/kg	170	13.	1
p/m-Xylene	ND		ug/kg	170	31.	1
o-Xylene	ND		ug/kg	170	30.	1
cis-1,2-Dichloroethene	ND		ug/kg	87	30.	1
Styrene	ND		ug/kg	170	35.	1
Dichlorodifluoromethane	ND		ug/kg	870	44.	1
Acetone	ND		ug/kg	870	200	1
Carbon disulfide	ND		ug/kg	870	96.	1
2-Butanone	ND		ug/kg	870	60.	1
4-Methyl-2-pentanone	ND		ug/kg	870	21.	1
2-Hexanone	ND		ug/kg	870	58.	1
Bromochloromethane	ND		ug/kg	440	31.	1
1,2-Dibromoethane	ND		ug/kg	350	17.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	440	35.	1
Isopropylbenzene	ND		ug/kg	87	17.	1
1,2,3-Trichlorobenzene	ND		ug/kg	440	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	440	19.	1
Methyl Acetate	ND		ug/kg	1700	40.	1
Cyclohexane	ND		ug/kg	1700	38.	1
1,4-Dioxane	ND		ug/kg	3500	1200	1
Freon-113	ND		ug/kg	1700	45.	1
Methyl cyclohexane	110	J	ug/kg	350	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	100		70-130

*NW 8/13/18*



Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-02
Client ID: GP02\_07.5-10.0
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/10/18 18:05
Analyst: AD
Percent Solids: 80%

Date Collected: 03/05/18 16:20
Date Received: 03/06/18
Field Prep: Not Specified

Parameter Result Qualifier Units RL MDL Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Lists various chemical compounds like Methylene chloride, 1,1-Dichloroethane, etc., with their respective results and limits.



NW 8/13/18

2

Serial\_No:03141817:30

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-02  
Client ID: GP02\_07.5-10.0  
Sample Location: GUILDERLAND, NY  
Sample Depth:

Date Collected: 03/05/18 16:20  
Date Received: 03/06/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	300	11.	1
Methyl tert butyl ether	ND		ug/kg	120	9.2	1
p/m-Xylene	140		ug/kg	120	21.	1
o-Xylene	ND		ug/kg	120	20.	1
cis-1,2-Dichloroethene	24	J	ug/kg	60	21.	1
Styrene	ND		ug/kg	120	24.	1
Dichlorodifluoromethane	ND		ug/kg	600	30.	1
Acetone	ND		ug/kg	600	140	1
Carbon disulfide	ND		ug/kg	600	66.	1
2-Butanone	ND		ug/kg	600	42.	1
4-Methyl-2-pentanone	ND		ug/kg	600	15.	1
2-Hexanone	ND		ug/kg	600	40.	1
Bromochloromethane	ND		ug/kg	300	22.	1
1,2-Dibromoethane	ND		ug/kg	240	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	24.	1
Isopropylbenzene	44	J	ug/kg	60	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	300	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	300	13.	1
Methyl Acetate	ND		ug/kg	1200	28.	1
Cyclohexane	140	J	ug/kg	1200	26.	1
1,4-Dioxane	ND		ug/kg	2400	870	1
Freon-113	ND		ug/kg	1200	31.	1
Methyl cyclohexane	260		ug/kg	240	14.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

NW 8/13/18



Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1807766  
Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-03 D  
Client ID: GP03\_10.0-12.5  
Sample Location: GUILDERLAND, NY  
Sample Depth:  
Matrix: Soil  
Analytical Method: 1,8260C  
Analytical Date: 03/10/18 18:31  
Analyst: AD  
Percent Solids: 77%

Date Collected: 03/06/18 09:45  
Date Received: 03/06/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	140000	22000	200
1,1-Dichloroethane	ND		ug/kg	20000	3700	200
Chloroform	ND		ug/kg	20000	5100	200
Carbon tetrachloride	ND		ug/kg	14000	4700	200
1,2-Dichloropropane	ND		ug/kg	48000	3100	200
Dibromochloromethane	ND		ug/kg	14000	2400	200
1,1,2-Trichloroethane	ND		ug/kg	20000	4300	200
Tetrachloroethene	1300000		ug/kg	14000	4100	200
Chlorobenzene	ND		ug/kg	14000	4800	200
Trichlorofluoromethane	ND		ug/kg	68000	5700	200
1,2-Dichloroethane	ND		ug/kg	14000	3400	200
1,1,1-Trichloroethane	ND		ug/kg	14000	4800	200
Bromodichloromethane	ND		ug/kg	14000	4200	200
trans-1,3-Dichloropropene	ND		ug/kg	14000	2800	200
cis-1,3-Dichloropropene	ND		ug/kg	14000	3200	200
Bromoform	ND		ug/kg	55000	3200	200
1,1,2,2-Tetrachloroethane	ND		ug/kg	14000	4100	200
Benzene	ND		ug/kg	14000	2600	200
Toluene	ND		ug/kg	20000	2700	200
Ethylbenzene	ND		ug/kg	14000	2300	200
Chloromethane	ND	US	ug/kg	68000	6000	200
Bromomethane	ND		ug/kg	27000	4600	200
Vinyl chloride	ND		ug/kg	27000	4300	200
Chloroethane	ND		ug/kg	27000	4300	200
1,1-Dichloroethene	ND		ug/kg	14000	5100	200
trans-1,2-Dichloroethene	ND		ug/kg	20000	3300	200
Trichloroethene	9300	J	ug/kg	14000	4100	200
1,2-Dichlorobenzene	ND		ug/kg	68000	2500	200
1,3-Dichlorobenzene	ND		ug/kg	68000	3000	200

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-03 D  
 Client ID: GP03\_10.0-12.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/06/18 09:45  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	68000	2500	200
Methyl tert butyl ether	ND		ug/kg	27000	2100	200
p/m-Xylene	ND		ug/kg	27000	4800	200
o-Xylene	ND		ug/kg	27000	4600	200
cis-1,2-Dichloroethene	ND		ug/kg	14000	4700	200
Styrene	ND		ug/kg	27000	5500	200
Dichlorodifluoromethane	ND		ug/kg	140000	6800	200
Acetone	ND		ug/kg	140000	31000	200
Carbon disulfide	ND		ug/kg	140000	15000	200
2-Butanone	ND		ug/kg	140000	9400	200
4-Methyl-2-pentanone	ND		ug/kg	140000	3300	200
2-Hexanone	ND		ug/kg	140000	9100	200
Bromochloromethane	ND		ug/kg	68000	4900	200
1,2-Dibromoethane	ND		ug/kg	55000	2700	200
1,2-Dibromo-3-chloropropane	ND		ug/kg	68000	5400	200
Isopropylbenzene	ND		ug/kg	14000	2600	200
1,2,3-Trichlorobenzene	ND		ug/kg	68000	3400	200
1,2,4-Trichlorobenzene	ND		ug/kg	68000	2900	200
Methyl Acetate	ND		ug/kg	270000	6300	200
Cyclohexane	ND		ug/kg	270000	5900	200
1,4-Dioxane	ND		ug/kg	550000	200000	200
Freon-113	ND		ug/kg	270000	7000	200
Methyl cyclohexane	ND		ug/kg	55000	3300	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

NW 8/13/18



4

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807766

**Project Number:** 16.6345

**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-04 D  
 Client ID: GP04\_12.5-15.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/10/18 18:57  
 Analyst: AD  
 Percent Solids: 71%

Date Collected: 03/06/18 11:30  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by 8260/5035 - Westborough Lab**

Methylene chloride	ND		ug/kg	3100	510	4
1,1-Dichloroethane	ND		ug/kg	470	84	4
Chloroform	ND		ug/kg	470	120	4
Carbon tetrachloride	ND		ug/kg	310	110	4
1,2-Dichloropropane	ND		ug/kg	1100	71	4
Dibromochloromethane	ND		ug/kg	310	55	4
1,1,2-Trichloroethane	ND		ug/kg	470	98	4
Tetrachloroethene	31000		ug/kg	310	94	4
Chlorobenzene	ND		ug/kg	310	110	4
Trichlorofluoromethane	ND		ug/kg	1600	130	4
1,2-Dichloroethane	ND		ug/kg	310	77	4
1,1,1-Trichloroethane	ND		ug/kg	310	110	4
Bromodichloromethane	ND		ug/kg	310	96	4
trans-1,3-Dichloropropene	ND		ug/kg	310	65	4
cis-1,3-Dichloropropene	ND		ug/kg	310	72	4
Bromoform	ND		ug/kg	1200	74	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	310	93	4
Benzene	ND		ug/kg	310	60	4
Toluene	ND		ug/kg	470	61	4
Ethylbenzene	ND		ug/kg	310	53	4
Chloromethane	ND	UJ	ug/kg	1600	140	4
Bromomethane	ND		ug/kg	620	100	4
Vinyl chloride	330	J	ug/kg	620	98	4
Chloroethane	ND		ug/kg	620	98	4
1,1-Dichloroethene	ND		ug/kg	310	120	4
trans-1,2-Dichloroethene	ND		ug/kg	470	75	4
Trichloroethene	1700		ug/kg	310	94	4
1,2-Dichlorobenzene	ND		ug/kg	1600	57	4
1,3-Dichlorobenzene	ND		ug/kg	1600	68	4

NW 8/13/18



4

Serial\_No:03141817:30

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807766

**Project Number:** 16.6345

**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-04 D

Date Collected: 03/06/18 11:30

Client ID: GP04\_12.5-15.0

Date Received: 03/06/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by 8260/5035 - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/kg	1600	57.	4
Methyl tert butyl ether	ND		ug/kg	620	48.	4
p/m-Xylene	ND		ug/kg	620	110	4
o-Xylene	ND		ug/kg	620	100	4
cis-1,2-Dichloroethene	8200		ug/kg	310	110	4
Styrene	ND		ug/kg	620	120	4
Dichlorodifluoromethane	ND		ug/kg	3100	160	4
Acetone	ND		ug/kg	3100	710	4
Carbon disulfide	ND		ug/kg	3100	340	4
2-Butanone	ND		ug/kg	3100	220	4
4-Methyl-2-pentanone	ND		ug/kg	3100	76.	4
2-Hexanone	ND		ug/kg	3100	210	4
Bromochloromethane	ND		ug/kg	1600	110	4
1,2-Dibromoethane	ND		ug/kg	1200	62.	4
1,2-Dibromo-3-chloropropane	ND		ug/kg	1600	120	4
Isopropylbenzene	ND		ug/kg	310	60.	4
1,2,3-Trichlorobenzene	ND		ug/kg	1600	78.	4
1,2,4-Trichlorobenzene	ND		ug/kg	1600	67.	4
Methyl Acetate	ND		ug/kg	6200	140	4
Cyclohexane	ND		ug/kg	6200	140	4
1,4-Dioxane	ND		ug/kg	12000	4500	4
Freon-113	ND		ug/kg	6200	160	4
Methyl cyclohexane	ND		ug/kg	1200	75.	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

NW 8/13/18



5

Serial\_No:03141817:30

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-05 D
Client ID: GP05\_12.5-15.0
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/10/18 19:49
Analyst: AD
Percent Solids: 75%

Date Collected: 03/06/18 14:30
Date Received: 03/06/18
Field Prep: Not Specified

Parameter Result Qualifier Units RL MDL Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Lists various chemical compounds and their detection results.

Handwritten 'UJ' in red ink.

Handwritten 'NW 8/13/18' in red ink.



5

Serial\_No:03141817:30

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-05 D
Client ID: GP05\_12.5-15.0
Sample Location: GUILDERLAND, NY
Sample Depth:

Date Collected: 03/06/18 14:30
Date Received: 03/06/18
Field Prep: Not Specified

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Rows include Volatile Organics by 8260/5035 - Westborough Lab with various chemical names and their corresponding results.

Table with 4 columns: Surrogate, % Recovery, Qualifier, Acceptance Criteria. Rows include 1,2-Dichloroethane-d4, Toluene-d8, 4-Bromofluorobenzene, and Dibromofluoromethane.

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-06 D  
 Client ID: FD01\_2018.03.06  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/10/18 19:23  
 Analyst: AD  
 Percent Solids: 68%

Date Collected: 03/06/18 00:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by 8260/5035 - Westborough Lab**

Methylene chloride	ND		ug/kg	3200	520	4
1,1-Dichloroethane	ND		ug/kg	480	86.	4
Chloroform	ND		ug/kg	480	120	4
Carbon tetrachloride	ND		ug/kg	320	110	4
1,2-Dichloropropane	ND		ug/kg	1100	72.	4
Dibromochloromethane	ND		ug/kg	320	56.	4
1,1,2-Trichloroethane	ND		ug/kg	480	99.	4
Tetrachloroethene	31000		ug/kg	320	96.	4
Chlorobenzene	ND		ug/kg	320	110	4
Trichlorofluoromethane	ND		ug/kg	1600	130	4
1,2-Dichloroethane	ND		ug/kg	320	78.	4
1,1,1-Trichloroethane	ND		ug/kg	320	110	4
Bromodichloromethane	ND		ug/kg	320	98.	4
trans-1,3-Dichloropropene	ND		ug/kg	320	66.	4
cis-1,3-Dichloropropene	ND		ug/kg	320	73.	4
Bromoform	ND		ug/kg	1300	75.	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	320	94.	4
Benzene	ND		ug/kg	320	61.	4
Toluene	ND		ug/kg	480	62.	4
Ethylbenzene	ND		ug/kg	320	54.	4
Chloromethane	ND	US	ug/kg	1600	140	4
Bromomethane	ND		ug/kg	630	110	4
Vinyl chloride	480	J	ug/kg	630	100	4
Chloroethane	ND		ug/kg	630	100	4
1,1-Dichloroethene	ND		ug/kg	320	120	4
trans-1,2-Dichloroethene	ND		ug/kg	480	76.	4
Trichloroethene	1700		ug/kg	320	96.	4
1,2-Dichlorobenzene	ND		ug/kg	1600	58.	4
1,3-Dichlorobenzene	ND		ug/kg	1600	69.	4



NW 8/13/18

6

Serial\_No:03141817:30

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-06 D
Client ID: FD01\_2018.03.06
Sample Location: GUILDERLAND, NY
Sample Depth:

Date Collected: 03/06/18 00:00
Date Received: 03/06/18
Field Prep: Not Specified

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Contains data for Volatile Organics by 8260/5035 - Westborough Lab.

Table with 4 columns: Surrogate, % Recovery, Qualifier, Acceptance Criteria. Lists surrogate compounds and their recovery percentages.

nw 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

## SAMPLE RESULTS

Lab ID: L1807766-07  
 Client ID: EB01\_2018.03.06  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/07/18 10:16  
 Analyst: MKS

Date Collected: 03/06/18 07:30  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

**Lab ID:** L1807766-07  
**Client ID:** EB01\_2018.03.06  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**

**Date Collected:** 03/06/18 07:30  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	3.0	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND	US	ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130



Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

## SAMPLE RESULTS

Lab ID: L1807766-08  
 Client ID: TRANSPORT BLANK  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/07/18 10:51  
 Analyst: MKS

Date Collected: 03/06/18 00:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1807766  
Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-08  
Client ID: TRANSPORT BLANK  
Sample Location: GUILDERLAND, NY  
Sample Depth:

Date Collected: 03/06/18 00:00  
Date Received: 03/06/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	<del>ND</del>	VS	ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

NW 8/13/18





Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

## SAMPLE RESULTS

Lab ID: L1807766-01  
 Client ID: GP01\_05.0-07.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/12/18 09:55  
 Analyst: EK  
 Percent Solids: 68%

Date Collected: 03/05/18 13:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 10:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Acenaphthene	ND		ug/kg	190	25.	1
Hexachlorobenzene	ND		ug/kg	150	27.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	33.	1
2-Chloronaphthalene	ND		ug/kg	240	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	65.	1
2,4-Dinitrotoluene	ND		ug/kg	240	49.	1
2,6-Dinitrotoluene	ND		ug/kg	240	42.	1
Fluoranthene	ND		ug/kg	150	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	37.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	24.	1
Hexachlorobutadiene	ND		ug/kg	240	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	700	220	1
Hexachloroethane	ND		ug/kg	190	39.	1
Isophorone	<del>ND</del>	US	ug/kg	220	32.	1
Naphthalene	ND		ug/kg	240	30.	1
Nitrobenzene	<del>ND</del>	US	ug/kg	220	36.	1
NDPA/DPA	ND		ug/kg	190	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	38.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	84.	1
Butyl benzyl phthalate	ND		ug/kg	240	61.	1
Di-n-butylphthalate	ND		ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	83.	1
Diethyl phthalate	ND		ug/kg	240	22.	1
Dimethyl phthalate	ND		ug/kg	240	51.	1
Benzo(a)anthracene	ND		ug/kg	150	27.	1
Benzo(a)pyrene	ND		ug/kg	190	59.	1
Benzo(b)fluoranthene	ND		ug/kg	150	41.	1

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

## SAMPLE RESULTS

Lab ID: L1807766-01  
 Client ID: GP01\_05.0-07.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/05/18 13:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Benzo(k)fluoranthene	ND		ug/kg	150	39.	1
Chrysene	ND		ug/kg	150	25.	1
Acenaphthylene	ND		ug/kg	190	38.	1
Anthracene	ND		ug/kg	150	47.	1
Benzo(ghi)perylene	ND		ug/kg	190	29.	1
Fluorene	ND		ug/kg	240	24.	1
Phenanthrene	ND		ug/kg	150	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	28.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	190	34.	1
Pyrene	ND		ug/kg	150	24.	1
Biphenyl	ND		ug/kg	560	56.	1
4-Chloroaniline	ND		ug/kg	240	44.	1
2-Nitroaniline	ND		ug/kg	240	47.	1
3-Nitroaniline	ND		ug/kg	240	46.	1
4-Nitroaniline	ND		ug/kg	240	100	1
Dibenzofuran	ND		ug/kg	240	23.	1
2-Methylnaphthalene	ND		ug/kg	290	29.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	25.	1
Acetophenone	ND		ug/kg	240	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	46.	1
p-Chloro-m-cresol	ND		ug/kg	240	36.	1
2-Chlorophenol	ND		ug/kg	240	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	39.	1
2,4-Dimethylphenol	ND		ug/kg	240	80.	1
2-Nitrophenol	ND	US	ug/kg	520	92.	1
4-Nitrophenol	ND		ug/kg	340	99.	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	630	120	1
Pentachlorophenol	ND		ug/kg	190	54.	1
Phenol	ND		ug/kg	240	37.	1
2-Methylphenol	ND		ug/kg	240	38.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	38.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	47.	1
Carbazole	ND		ug/kg	240	24.	1
Atrazine	ND		ug/kg	190	85.	1
Benzaldehyde	ND		ug/kg	320	66.	1
Caprolactam	ND		ug/kg	240	74.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	49.	1

2

Serial\_No:03141817:30

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-02
Client ID: GP02\_07.5-10.0
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/12/18 10:21
Analyst: EK
Percent Solids: 80%

Date Collected: 03/05/18 16:20
Date Received: 03/06/18
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/09/18 10:51

Parameter Result Qualifier Units RL MDL Dilution Factor

Semivolatiles Organics by GC/MS - Westborough Lab

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Lists various organic compounds and their detection results (ND) and limits.

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

## SAMPLE RESULTS

Lab ID: L1807766-02  
 Client ID: GP02\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/05/18 16:20  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	29.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	85.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND	US	ug/kg	440	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	160	72.	1
Benzaldehyde	ND		ug/kg	270	56.	1
Caprolactam	ND		ug/kg	210	63.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-03
Client ID: GP03\_10.0-12.5
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/12/18 10:47
Analyst: EK
Percent Solids: 77%

Date Collected: 03/06/18 09:45
Date Received: 03/06/18
Field Prep: Not Specified
Extraction Method:EPA 3546
Extraction Date: 03/09/18 10:51

Parameter Result Qualifier Units RL MDL Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Lists various organic compounds and their detection results.

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-03  
Client ID: GP03\_10.0-12.5  
Sample Location: GUILDERLAND, NY  
Sample Depth:

Date Collected: 03/06/18 09:45  
Date Received: 03/06/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	49.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND	UJ	ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Carbazole	ND		ug/kg	210	21.	1
Atrazine	ND		ug/kg	170	75.	1
Benzaldehyde	ND		ug/kg	280	58.	1
Caprolactam	ND		ug/kg	210	65.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	43.	1

NW 8/13/18



**Project Name:** MASTER CLEANERS**Lab Number:** L1807766**Project Number:** 16.6345**Report Date:** 03/14/18**SAMPLE RESULTS**

**Lab ID:** L1807766-04  
**Client ID:** GP04\_12.5-15.0  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/12/18 11:12  
**Analyst:** EK  
**Percent Solids:** 71%

**Date Collected:** 03/06/18 11:30  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/09/18 10:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Acenaphthene	ND		ug/kg	180	24.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	39.	1
Fluoranthene	ND		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	660	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	<del>ND</del>	UJ	ug/kg	210	30.	1
Naphthalene	ND		ug/kg	230	28.	1
Nitrobenzene	<del>ND</del>	UJ	ug/kg	210	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	80.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	78.	1
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	ND		ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	180	56.	1
Benzo(b)fluoranthene	ND		ug/kg	140	39.	1



Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

## SAMPLE RESULTS

Lab ID: L1807766-04

Date Collected: 03/06/18 11:30

Client ID: GP04\_12.5-15.0

Date Received: 03/06/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatiles Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	140	37.	1
Chrysene	ND		ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	180	35.	1
Anthracene	ND		ug/kg	140	45.	1
Benzo(ghi)perylene	ND		ug/kg	180	27.	1
Fluorene	ND		ug/kg	230	22.	1
Phenanthrene	ND		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	32.	1
Pyrene	ND		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	520	53.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	43.	1
4-Nitroaniline	ND		ug/kg	230	95.	1
Dibenzofuran	ND		ug/kg	230	22.	1
2-Methylnaphthalene	ND		ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	210	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	76.	1
2-Nitrophenol	ND	U5	ug/kg	500	86.	1
4-Nitrophenol	ND		ug/kg	320	94.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	ND		ug/kg	230	35.	1
2-Methylphenol	ND		ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	36.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Carbazole	ND		ug/kg	230	22.	1
Atrazine	ND		ug/kg	180	80.	1
Benzaldehyde	ND		ug/kg	300	62.	1
Caprolactam	ND		ug/kg	230	70.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	230	46.	1

5

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807766

**Project Number:** 16.6345

**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-05  
 Client ID: GP05\_12.5-15.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/12/18 09:30  
 Analyst: EK  
 Percent Solids: 75%

Date Collected: 03/06/18 14:30  
 Date Received: 03/06/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 10:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Acenaphthene	ND		ug/kg	180	23.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	35.	1
Isophorone	<del>ND</del>	UJ	ug/kg	200	28.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	<del>ND</del>	UJ	ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1

NW 8/13/18



5

Serial\_No:03141817:30

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-05

Date Collected: 03/06/18 14:30

Client ID: GP05\_12.5-15.0

Date Received: 03/06/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	30.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND	US	ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	310	89.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	180	77.	1
Benzaldehyde	ND		ug/kg	290	59.	1
Caprolactam	ND		ug/kg	220	67.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1



NW 8/13/18

6

Serial\_No:03141817:30

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-06
Client ID: FD01\_2018.03.06
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/12/18 12:03
Analyst: EK
Percent Solids: 68%

Date Collected: 03/06/18 00:00
Date Received: 03/06/18
Field Prep: Not Specified
Extraction Method:EPA 3546
Extraction Date: 03/09/18 10:51

Parameter Result Qualifier Units RL MDL Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Lists various organic compounds and their detection results.

Handwritten notes: 'US' next to Isophorone and Nitrobenzene results.



Handwritten note: 'NW 8/13/18'

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-06  
Client ID: FD01\_2018.03.06  
Sample Location: GUILDERLAND, NY  
Sample Depth:

Date Collected: 03/06/18 00:00  
Date Received: 03/06/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatle Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/kg	140	38.	1
Chrysene	ND		ug/kg	140	25.	1
Acenaphthylene	ND		ug/kg	190	37.	1
Anthracene	ND		ug/kg	140	46.	1
Benzo(ghi)perylene	ND		ug/kg	190	28.	1
Fluorene	ND		ug/kg	240	23.	1
Phenanthrene	ND		ug/kg	140	29.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	190	33.	1
Pyrene	ND		ug/kg	140	24.	1
Biphenyl	ND		ug/kg	540	55.	1
4-Chloroaniline	ND		ug/kg	240	43.	1
2-Nitroaniline	ND		ug/kg	240	46.	1
3-Nitroaniline	ND		ug/kg	240	45.	1
4-Nitroaniline	ND		ug/kg	240	98.	1
Dibenzofuran	ND		ug/kg	240	22.	1
2-Methylnaphthalene	ND		ug/kg	280	29.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	25.	1
Acetophenone	ND		ug/kg	240	29.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	45.	1
p-Chloro-m-cresol	ND		ug/kg	240	35.	1
2-Chlorophenol	ND		ug/kg	240	28.	1
2,4-Dichlorophenol	ND		ug/kg	210	38.	1
2,4-Dimethylphenol	ND		ug/kg	240	78.	1
2-Nitrophenol	ND	US	ug/kg	510	89.	1
4-Nitrophenol	ND		ug/kg	330	97.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	620	110	1
Pentachlorophenol	ND		ug/kg	190	52.	1
Phenol	ND		ug/kg	240	36.	1
2-Methylphenol	ND		ug/kg	240	37.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	340	37.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	45.	1
Carbazole	ND		ug/kg	240	23.	1
Atrazine	ND		ug/kg	190	83.	1
Benzaldehyde	ND		ug/kg	310	64.	1
Caprolactam	ND		ug/kg	240	72.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	48.	1

NW 8/13/18



**Project Name:** MASTER CLEANERS**Lab Number:** L1807766**Project Number:** 16.6345**Report Date:** 03/14/18**SAMPLE RESULTS**

**Lab ID:** L1807766-07  
**Client ID:** EB01\_2018.03.06  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/12/18 18:27  
**Analyst:** SZ

**Date Collected:** 03/06/18 07:30  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/08/18 16:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Acenaphthene	ND		ug/l	2.0	0.59	1
Hexachlorobenzene	ND		ug/l	2.0	0.58	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
2-Chloronaphthalene	ND		ug/l	2.0	0.64	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
Fluoranthene	ND		ug/l	2.0	0.57	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorobutadiene	ND		ug/l	2.0	0.72	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Hexachloroethane	ND		ug/l	2.0	0.68	1
Isophorone	ND		ug/l	5.0	0.60	1
Naphthalene	ND		ug/l	2.0	0.68	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Benzo(a)anthracene	ND		ug/l	2.0	0.61	1
Benzo(a)pyrene	ND		ug/l	2.0	0.54	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64	1

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

## SAMPLE RESULTS

Lab ID: L1807766-07

Date Collected: 03/06/18 07:30

Client ID: EB01\_2018.03.06

Date Received: 03/06/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatiles Organics by GC/MS - Westborough Lab</b>						
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60	1
Chrysene	ND		ug/l	2.0	0.54	1
Acenaphthylene	ND		ug/l	2.0	0.66	1
Anthracene	ND		ug/l	2.0	0.64	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.61	1
Fluorene	ND		ug/l	2.0	0.62	1
Phenanthrene	ND		ug/l	2.0	0.61	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71	1
Pyrene	ND		ug/l	2.0	0.57	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
2-Methylnaphthalene	ND		ug/l	2.0	0.72	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND	US	ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Pentachlorophenol	ND		ug/l	10	3.4	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-01  
 Client ID: GP01\_05.0-07.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/13/18 03:07  
 Analyst: KEG  
 Percent Solids: 68%

Date Collected: 03/05/18 13:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 09:24  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.29	0.448	1	A
Lindane	ND		ug/kg	0.952	0.426	1	A
Alpha-BHC	ND		ug/kg	0.952	0.270	1	A
Beta-BHC	ND		ug/kg	2.29	0.867	1	A
Heptachlor	ND		ug/kg	1.14	0.512	1	A
Aldrin	ND		ug/kg	2.29	0.805	1	A
Heptachlor epoxide	ND		ug/kg	4.29	1.28	1	A
Endrin	ND		ug/kg	0.952	0.390	1	A
Endrin aldehyde	ND		ug/kg	2.86	1.00	1	A
Endrin ketone	ND		ug/kg	2.29	0.589	1	A
Dieldrin	ND		ug/kg	1.43	0.714	1	A
4,4'-DDE	ND		ug/kg	2.29	0.529	1	A
4,4'-DDD	ND		ug/kg	2.29	0.815	1	A
4,4'-DDT	ND		ug/kg	4.29	1.84	1	A
Endosulfan I	ND		ug/kg	2.29	0.540	1	A
Endosulfan II	ND		ug/kg	2.29	0.764	1	A
Endosulfan sulfate	ND		ug/kg	0.952	0.453	1	A
Methoxychlor	ND		ug/kg	4.29	1.33	1	A
Toxaphene	ND		ug/kg	42.9	12.0	1	A
cis-Chlordane	ND		ug/kg	2.86	0.796	1	A
trans-Chlordane	0.908	J JPI	ug/kg	2.86	0.754	1	A
Chlordane	ND		ug/kg	18.6	7.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	45		30-150	A



NW 8/13/18

2

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-02  
 Client ID: GP02\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/14/18 13:12  
 Analyst: KB  
 Percent Solids: 80%

Date Collected: 03/05/18 16:20  
 Date Received: 03/06/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 09:24  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.91	0.375	1	A
Lindane	ND		ug/kg	0.798	0.356	1	A
Alpha-BHC	ND		ug/kg	0.798	0.226	1	A
Beta-BHC	ND		ug/kg	1.91	0.726	1	A
Heptachlor	ND		ug/kg	0.957	0.429	1	A
Aldrin	ND		ug/kg	1.91	0.674	1	A
Heptachlor epoxide	ND		ug/kg	3.59	1.08	1	A
Endrin	ND		ug/kg	0.798	0.327	1	A
Endrin aldehyde	ND		ug/kg	2.39	0.838	1	A
Endrin ketone	ND		ug/kg	1.91	0.493	1	A
Dieldrin	ND		ug/kg	1.20	0.598	1	A
4,4'-DDE	ND		ug/kg	1.91	0.443	1	A
4,4'-DDD	ND		ug/kg	1.91	0.683	1	A
4,4'-DDT	ND		ug/kg	3.59	1.54	1	A
Endosulfan I	ND		ug/kg	1.91	0.452	1	A
Endosulfan II	ND		ug/kg	1.91	0.640	1	A
Endosulfan sulfate	ND		ug/kg	0.798	0.380	1	A
Methoxychlor	ND		ug/kg	3.59	1.12	1	A
Toxaphene	ND		ug/kg	35.9	10.0	1	A
cis-Chlordane	ND		ug/kg	2.39	0.667	1	A
trans-Chlordane	ND		ug/kg	2.39	0.632	1	A
Chlordane	ND		ug/kg	15.6	6.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	79		30-150	A



*nw 8/13/18*

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

Serial\_No:03141817:30  
**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-03  
 Client ID: GP03\_10.0-12.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/13/18 03:32  
 Analyst: KEG  
 Percent Solids: 77%

Date Collected: 03/06/18 09:45  
 Date Received: 03/06/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 09:24  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.98	0.387	1	A
Lindane	ND		ug/kg	0.824	0.368	1	A
Alpha-BHC	ND		ug/kg	0.824	0.234	1	A
Beta-BHC	ND		ug/kg	1.98	0.750	1	A
Heptachlor	ND		ug/kg	0.989	0.443	1	A
Aldrin	ND		ug/kg	1.98	0.696	1	A
Heptachlor epoxide	ND		ug/kg	3.71	1.11	1	A
Endrin	ND		ug/kg	0.824	0.338	1	A
Endrin aldehyde	ND		ug/kg	2.47	0.865	1	A
Endrin ketone	ND		ug/kg	1.98	0.509	1	A
Dieldrin	ND		ug/kg	1.24	0.618	1	A
4,4'-DDE	1.13	J	ug/kg	1.98	0.457	1	A
4,4'-DDD	7.40		ug/kg	1.98	0.705	1	A
4,4'-DDT	ND		ug/kg	3.71	1.59	1	A
Endosulfan I	ND		ug/kg	1.98	0.467	1	A
Endosulfan II	ND		ug/kg	1.98	0.661	1	A
Endosulfan sulfate	ND		ug/kg	0.824	0.392	1	A
Methoxychlor	110		ug/kg	3.71	1.15	1	A
Toxaphene	ND		ug/kg	37.1	10.4	1	A
cis-Chlordane	ND		ug/kg	2.47	0.689	1	A
trans-Chlordane	ND		ug/kg	2.47	0.652	1	A
Chlordane	ND		ug/kg	16.1	6.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	53		30-150	A



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-04  
 Client ID: GP04\_12.5-15.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/13/18 03:45  
 Analyst: KEG  
 Percent Solids: 71%

Date Collected: 03/06/18 11:30  
 Date Received: 03/06/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 09:24  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.15	0.421	1	A
Lindane	ND		ug/kg	0.895	0.400	1	A
Alpha-BHC	ND		ug/kg	0.895	0.254	1	A
Beta-BHC	ND		ug/kg	2.15	0.815	1	A
Heptachlor	ND		ug/kg	1.07	0.482	1	A
Aldrin	ND		ug/kg	2.15	0.756	1	A
Heptachlor epoxide	ND		ug/kg	4.03	1.21	1	A
Endrin	ND		ug/kg	0.895	0.367	1	A
Endrin aldehyde	ND		ug/kg	2.68	0.940	1	A
Endrin ketone	ND		ug/kg	2.15	0.553	1	A
Dieldrin	ND		ug/kg	1.34	0.671	1	A
4,4'-DDE	ND		ug/kg	2.15	0.497	1	A
4,4'-DDD	ND		ug/kg	2.15	0.766	1	A
4,4'-DDT	ND		ug/kg	4.03	1.73	1	A
Endosulfan I	ND		ug/kg	2.15	0.508	1	A
Endosulfan II	ND		ug/kg	2.15	0.718	1	A
Endosulfan sulfate	ND		ug/kg	0.895	0.426	1	A
Methoxychlor	ND		ug/kg	4.03	1.25	1	A
Toxaphene	ND		ug/kg	40.3	11.3	1	A
cis-Chlordane	ND		ug/kg	2.68	0.748	1	A
trans-Chlordane	ND		ug/kg	2.68	0.709	1	A
Chlordane	ND		ug/kg	17.4	7.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	48		30-150	A



NW 8/13/18

5

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-05  
 Client ID: GP05\_12.5-15.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/13/18 02:28  
 Analyst: KEG  
 Percent Solids: 75%

Date Collected: 03/06/18 14:30  
 Date Received: 03/06/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 09:24  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.02	0.395	1	A
Lindane	ND		ug/kg	0.841	0.376	1	A
Alpha-BHC	ND		ug/kg	0.841	0.239	1	A
Beta-BHC	ND		ug/kg	2.02	0.766	1	A
Heptachlor	ND		ug/kg	1.01	0.453	1	A
Aldrin	ND		ug/kg	2.02	0.711	1	A
Heptachlor epoxide	ND		ug/kg	3.79	1.14	1	A
Endrin	ND		ug/kg	0.841	0.345	1	A
Endrin aldehyde	ND		ug/kg	2.52	0.884	1	A
Endrin ketone	ND		ug/kg	2.02	0.520	1	A
Dieldrin	ND		ug/kg	1.26	0.631	1	A
4,4'-DDE	ND		ug/kg	2.02	0.467	1	A
4,4'-DDD	ND		ug/kg	2.02	0.720	1	A
4,4'-DDT	ND		ug/kg	3.79	1.62	1	A
Endosulfan I	ND		ug/kg	2.02	0.477	1	A
Endosulfan II	ND		ug/kg	2.02	0.675	1	A
Endosulfan sulfate	ND		ug/kg	0.841	0.400	1	A
Methoxychlor	ND		ug/kg	3.79	1.18	1	A
Toxaphene	ND		ug/kg	37.9	10.6	1	A
cis-Chlordane	ND		ug/kg	2.52	0.703	1	A
trans-Chlordane	ND		ug/kg	2.52	0.666	1	A
Chlordane	ND		ug/kg	16.4	6.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	52		30-150	A



*nw 8/13/18*

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-06  
 Client ID: FD01\_2018.03.06  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/13/18 03:58  
 Analyst: KEG  
 Percent Solids: 68%

Date Collected: 03/06/18 00:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 09:24  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.30	0.450	1	A
Lindane	ND		ug/kg	0.957	0.428	1	A
Alpha-BHC	ND		ug/kg	0.957	0.272	1	A
Beta-BHC	ND		ug/kg	2.30	0.871	1	A
Heptachlor	ND		ug/kg	1.15	0.515	1	A
Aldrin	ND		ug/kg	2.30	0.808	1	A
Heptachlor epoxide	ND		ug/kg	4.30	1.29	1	A
Endrin	ND		ug/kg	0.957	0.392	1	A
Endrin aldehyde	ND		ug/kg	2.87	1.00	1	A
Endrin ketone	ND		ug/kg	2.30	0.591	1	A
Dieldrin	ND		ug/kg	1.44	0.718	1	A
4,4'-DDE	ND		ug/kg	2.30	0.531	1	A
4,4'-DDD	ND		ug/kg	2.30	0.819	1	A
4,4'-DDT	ND		ug/kg	4.30	1.85	1	A
Endosulfan I	ND		ug/kg	2.30	0.542	1	A
Endosulfan II	ND		ug/kg	2.30	0.767	1	A
Endosulfan sulfate	ND		ug/kg	0.957	0.455	1	A
Methoxychlor	ND		ug/kg	4.30	1.34	1	A
Toxaphene	ND		ug/kg	43.0	12.0	1	A
cis-Chlordane	ND		ug/kg	2.87	0.800	1	A
trans-Chlordane	ND		ug/kg	2.87	0.758	1	A
Chlordane	ND		ug/kg	18.6	7.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	276	Q	30-150	A
Decachlorobiphenyl	53		30-150	A



*NW 8/13/18*

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

7

**SAMPLE RESULTS**

**Lab ID:** L1807766-07  
**Client ID:** EB01\_2018.03.06  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/14/18 10:01  
**Analyst:** KEG

**Date Collected:** 03/06/18 07:30  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified  
**Extraction Method:**EPA 3510C  
**Extraction Date:** 03/10/18 18:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	92		30-150	B



NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-01  
 Client ID: GP01\_05.0-07.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/11/18 03:40  
 Analyst: HT  
 Percent Solids: 68%

Date Collected: 03/05/18 13:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 08:42  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/09/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	47.3	5.36	1	A
Aroclor 1221	ND		ug/kg	47.3	7.20	1	A
Aroclor 1232	ND		ug/kg	47.3	4.65	1	A
Aroclor 1242	ND		ug/kg	47.3	5.79	1	A
Aroclor 1248	ND		ug/kg	47.3	5.31	1	A
Aroclor 1254	ND		ug/kg	47.3	3.86	1	A
Aroclor 1260	ND		ug/kg	47.3	4.94	1	A
Aroclor 1262	ND		ug/kg	47.3	3.89	1	A
Aroclor 1268	ND		ug/kg	47.3	3.35	1	A
PCBs, Total	ND		ug/kg	47.3	3.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	65		30-150	B

NW 2/13/18



2

Serial\_No:03141817:30

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-02
Client ID: GP02\_07.5-10.0
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/18 03:52
Analyst: HT
Percent Solids: 80%

Date Collected: 03/05/18 16:20
Date Received: 03/06/18
Field Prep: Not Specified
Extraction Method:EPA 3546
Extraction Date: 03/09/18 08:42
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/18

Table with 8 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor, Column. Section: Polychlorinated Biphenyls by GC - Westborough Lab. Rows include Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, 1268, and PCBs, Total.

Table with 5 columns: Surrogate, % Recovery, Qualifier, Acceptance Criteria, Column. Rows include 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl.

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-03
Client ID: GP03\_10.0-12.5
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/18 04:05
Analyst: HT
Percent Solids: 77%

Date Collected: 03/06/18 09:45
Date Received: 03/06/18
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/09/18 08:42
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/18

Table with 8 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor, Column. Title: Polychlorinated Biphenyls by GC - Westborough Lab. Rows include Aroclor 1016 through Aroclor 1268 and PCBs, Total.

Table with 5 columns: Surrogate, % Recovery, Qualifier, Acceptance Criteria, Column. Rows include 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl.

NW 8/13/18



4

Serial\_No:03141817:30

**Project Name:** MASTER CLEANERS

**Lab Number:** L1807766

**Project Number:** 16.6345

**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-04  
 Client ID: GP04\_12.5-15.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/11/18 04:17  
 Analyst: HT  
 Percent Solids: 71%

Date Collected: 03/06/18 11:30  
 Date Received: 03/06/18  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 03/09/18 08:42  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/09/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	44.4	5.04	1	A
Aroclor 1221	ND		ug/kg	44.4	6.76	1	A
Aroclor 1232	ND		ug/kg	44.4	4.37	1	A
Aroclor 1242	ND		ug/kg	44.4	5.44	1	A
Aroclor 1248	ND		ug/kg	44.4	4.99	1	A
Aroclor 1254	ND		ug/kg	44.4	3.63	1	A
Aroclor 1260	ND		ug/kg	44.4	4.64	1	A
Aroclor 1262	ND		ug/kg	44.4	3.65	1	A
Aroclor 1268	ND		ug/kg	44.4	3.15	1	A
PCBs, Total	ND		ug/kg	44.4	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	67		30-150	B

*nw 8/13/18*



5

Serial\_No:03141817:30

Project Name: MASTER CLEANERS

Lab Number: L1807766

Project Number: 16.6345

Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-05
Client ID: GP05\_12.5-15.0
Sample Location: GUILDERLAND, NY
Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/11/18 00:23
Analyst: HT
Percent Solids: 75%

Date Collected: 03/06/18 14:30
Date Received: 03/06/18
Field Prep: Not Specified
Extraction Method:EPA 3546
Extraction Date: 03/09/18 08:42
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/18

Table with 8 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor, Column. Row 1: Polychlorinated Biphenyls by GC - Westborough Lab. Rows 2-13: Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, 1268, PCBs, Total.

Table with 5 columns: Surrogate, % Recovery, Qualifier, Acceptance Criteria, Column. Rows 1-4: 2,4,5,6-Tetrachloro-m-xylene, Decachlorobiphenyl, 2,4,5,6-Tetrachloro-m-xylene, Decachlorobiphenyl.

NW 8/13/18



6

Serial\_No:03141817:30

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

**Lab ID:** L1807766-06  
**Client ID:** FD01\_2018.03.06  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/11/18 04:30  
**Analyst:** HT  
**Percent Solids:** 68%

**Date Collected:** 03/06/18 00:00  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/09/18 08:42  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/09/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	46.8	5.30	1	A
Aroclor 1221	ND		ug/kg	46.8	7.12	1	A
Aroclor 1232	ND		ug/kg	46.8	4.60	1	A
Aroclor 1242	ND		ug/kg	46.8	5.72	1	A
Aroclor 1248	ND		ug/kg	46.8	5.25	1	A
Aroclor 1254	ND		ug/kg	46.8	3.82	1	A
Aroclor 1260	ND		ug/kg	46.8	4.88	1	A
Aroclor 1262	ND		ug/kg	46.8	3.84	1	A
Aroclor 1268	ND		ug/kg	46.8	3.31	1	A
PCBs, Total	ND		ug/kg	46.8	3.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	69		30-150	B

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

7

**SAMPLE RESULTS**

**Lab ID:** L1807766-07  
**Client ID:** EB01\_2018.03.06  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/12/18 23:20  
**Analyst:** HT

**Date Collected:** 03/06/18 07:30  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

**Extraction Method:**EPA 3510C  
**Extraction Date:** 03/08/18 23:38  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/09/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
-----------	--------	-----------	-------	----	-----	-----------------	--------

**Polychlorinated Biphenyls by GC - Westborough Lab**

Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	57		30-150	B

NW 8/13/18





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-01  
 Client ID: GP01\_05.0-07.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 68%

Date Collected: 03/05/18 13:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	9680		mg/kg	11.0	2.98	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Antimony, Total	0.916	J	mg/kg	5.52	0.419	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Arsenic, Total	7.12		mg/kg	1.10	0.229	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Barium, Total	43.2		mg/kg	1.10	0.192	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Beryllium, Total	0.508	J	mg/kg	0.552	0.036	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.10	0.108	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Calcium, Total	5890		mg/kg	11.0	3.86	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Chromium, Total	14.0		mg/kg	1.10	0.106	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Cobalt, Total	9.69		mg/kg	2.21	0.183	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Copper, Total	22.8		mg/kg	1.10	0.285	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Iron, Total	19900		mg/kg	5.52	0.996	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Lead, Total	13.8		mg/kg	5.52	0.296	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Magnesium, Total	3280		mg/kg	11.0	1.70	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Manganese, Total	378		mg/kg	1.10	0.175	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Mercury, Total	0.06	J ✓	mg/kg	0.09	0.02	1	03/07/18 09:00	03/08/18 19:10	EPA 7471B	1,7471B	EA
Nickel, Total	20.2		mg/kg	2.76	0.267	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Potassium, Total	920		mg/kg	276	15.9	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.21	0.285	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.10	0.312	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Sodium, Total	997		mg/kg	221	3.48	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Thallium, Total	ND	uJ	mg/kg	2.21	0.348	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Vanadium, Total	19.2		mg/kg	1.10	0.224	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB
Zinc, Total	54.4		mg/kg	5.52	0.323	2	03/09/18 20:40	03/12/18 17:25	EPA 3050B	1,6010C	AB



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-02  
 Client ID: GP02\_07.5-10.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 80%

Date Collected: 03/05/18 16:20  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	12500		mg/kg	9.39	2.54	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Antimony, Total	1.06	J	mg/kg	4.70	0.357	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Arsenic, Total	6.07		mg/kg	0.939	0.195	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Barium, Total	82.8		mg/kg	0.939	0.163	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Beryllium, Total	0.704		mg/kg	0.470	0.031	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.939	0.092	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Calcium, Total	2560		mg/kg	9.39	3.29	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Chromium, Total	15.5		mg/kg	0.939	0.090	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Cobalt, Total	9.59		mg/kg	1.88	0.156	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Copper, Total	22.3		mg/kg	0.939	0.242	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Iron, Total	25600		mg/kg	4.70	0.848	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Lead, Total	49.8		mg/kg	4.70	0.252	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Magnesium, Total	2950		mg/kg	9.39	1.45	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Manganese, Total	310		mg/kg	0.939	0.149	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Mercury, Total	0.14	J	mg/kg	0.08	0.02	1	03/07/18 09:00	03/08/18 19:11	EPA 7471B	1,7471B	EA
Nickel, Total	20.7		mg/kg	2.35	0.227	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Potassium, Total	1170		mg/kg	235	13.5	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.88	0.242	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.939	0.266	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Sodium, Total	250		mg/kg	188	2.96	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Thallium, Total	ND	uJ	mg/kg	1.88	0.296	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Vanadium, Total	22.8		mg/kg	0.939	0.191	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB
Zinc, Total	49.9		mg/kg	4.70	0.275	2	03/09/18 20:40	03/12/18 17:53	EPA 3050B	1,6010C	AB



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-03  
 Client ID: GP03\_10.0-12.5  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 77%

Date Collected: 03/06/18 09:45  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	11000		mg/kg	9.95	2.68	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Antimony, Total	0.945	J	mg/kg	4.97	0.378	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Arsenic, Total	4.82		mg/kg	0.995	0.207	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Barium, Total	60.2		mg/kg	0.995	0.173	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Beryllium, Total	0.607		mg/kg	0.497	0.033	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.995	0.098	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Calcium, Total	29700		mg/kg	9.95	3.48	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Chromium, Total	14.3		mg/kg	0.995	0.096	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Cobalt, Total	8.74		mg/kg	1.99	0.165	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Copper, Total	20.8		mg/kg	0.995	0.257	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Iron, Total	22700		mg/kg	4.97	0.898	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Lead, Total	8.57		mg/kg	4.97	0.266	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Magnesium, Total	6150		mg/kg	9.95	1.53	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Manganese, Total	393		mg/kg	0.995	0.158	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	03/07/18 09:00	03/08/18 19:13	EPA 7471B	1,7471B	EA
Nickel, Total	19.2		mg/kg	2.49	0.241	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Potassium, Total	1120		mg/kg	249	14.3	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.99	0.257	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.995	0.281	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Sodium, Total	183	J	mg/kg	199	3.13	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Thallium, Total	ND	uJ	mg/kg	1.99	0.313	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Vanadium, Total	23.8		mg/kg	0.995	0.202	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB
Zinc, Total	54.4		mg/kg	4.97	0.291	2	03/09/18 20:40	03/12/18 17:58	EPA 3050B	1,6010C	AB



4

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-04  
 Client ID: GP04\_12.5-15.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 71%

Date Collected: 03/06/18 11:30  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	19000	J	mg/kg	10.7	2.90	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Antimony, Total	1.17	J	mg/kg	5.37	0.408	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Arsenic, Total	5.37		mg/kg	1.07	0.223	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Barium, Total	130	J	mg/kg	1.07	0.187	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Beryllium, Total	0.977		mg/kg	0.537	0.035	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.07	0.105	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Calcium, Total	17600	J	mg/kg	10.7	3.76	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Chromium, Total	21.0	J	mg/kg	1.07	0.103	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Cobalt, Total	11.1		mg/kg	2.15	0.178	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Copper, Total	25.0		mg/kg	1.07	0.277	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Iron, Total	30700		mg/kg	5.37	0.969	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Lead, Total	10.0		mg/kg	5.37	0.288	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Magnesium, Total	7780		mg/kg	10.7	1.65	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Manganese, Total	362		mg/kg	1.07	0.171	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Mercury, Total	0.03	J	mg/kg	0.09	0.02	1	03/07/18 09:00	03/08/18 19:15	EPA 7471B	1,7471B	EA
Nickel, Total	25.6	J	mg/kg	2.68	0.260	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Potassium, Total	2370	J	mg/kg	268	15.5	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.15	0.277	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.07	0.304	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Sodium, Total	258		mg/kg	215	3.38	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Thallium, Total	ND	J	mg/kg	2.15	0.338	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Vanadium, Total	28.1		mg/kg	1.07	0.218	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB
Zinc, Total	80.1	J	mg/kg	5.37	0.314	2	03/09/18 20:40	03/12/18 18:03	EPA 3050B	1,6010C	AB



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-05  
 Client ID: GP05\_12.5-15.0  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 75%

Date Collected: 03/06/18 14:30  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7720		mg/kg	10.5	2.84	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Antimony, Total	0.832	J	mg/kg	5.27	0.400	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Arsenic, Total	6.24		mg/kg	1.05	0.219	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Barium, Total	33.2		mg/kg	1.05	0.183	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Beryllium, Total	0.369	J	mg/kg	0.527	0.035	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.05	0.103	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Calcium, Total	26600		mg/kg	10.5	3.69	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Chromium, Total	10.3		mg/kg	1.05	0.101	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Cobalt, Total	6.76		mg/kg	2.11	0.175	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Copper, Total	18.9		mg/kg	1.05	0.272	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Iron, Total	18800		mg/kg	5.27	0.952	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Lead, Total	5.53		mg/kg	5.27	0.282	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Magnesium, Total	5490		mg/kg	10.5	1.62	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Manganese, Total	439		mg/kg	1.05	0.168	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	03/07/18 09:00	03/08/18 19:02	EPA 7471B	1,7471B	EA
Nickel, Total	15.0		mg/kg	2.63	0.255	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Potassium, Total	529		mg/kg	263	15.2	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.11	0.272	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.05	0.298	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Sodium, Total	122	J	mg/kg	211	3.32	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Thallium, Total	ND	UJ	mg/kg	2.11	0.332	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Vanadium, Total	16.7		mg/kg	1.05	0.214	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB
Zinc, Total	36.1		mg/kg	5.27	0.309	2	03/09/18 20:40	03/12/18 17:02	EPA 3050B	1,6010C	AB



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-06  
 Client ID: FD01\_2018.03.06  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil  
 Percent Solids: 68%

Date Collected: 03/06/18 00:00  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8800	J	mg/kg	11.5	3.12	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Antimony, Total	0.646	J	mg/kg	5.77	0.438	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Arsenic, Total	7.04		mg/kg	1.15	0.240	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Barium, Total	54.3	J	mg/kg	1.15	0.201	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Beryllium, Total	0.519	J	mg/kg	0.577	0.038	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.15	0.113	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Calcium, Total	34700	J	mg/kg	11.5	4.04	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Chromium, Total	12.6	J	mg/kg	1.15	0.111	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Cobalt, Total	9.76		mg/kg	2.31	0.192	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Copper, Total	17.7		mg/kg	1.15	0.298	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Iron, Total	22400		mg/kg	5.77	1.04	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Lead, Total	7.68		mg/kg	5.77	0.309	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Magnesium, Total	6370		mg/kg	11.5	1.78	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Manganese, Total	486		mg/kg	1.15	0.183	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Mercury, Total	0.04	J	mg/kg	0.09	0.02	1	03/07/18 09:00	03/08/18 19:21	EPA 7471B	1,7471B	EA
Nickel, Total	16.5	J	mg/kg	2.88	0.279	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Potassium, Total	875	J	mg/kg	288	16.6	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.31	0.298	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.15	0.326	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Sodium, Total	223	J	mg/kg	231	3.63	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Thallium, Total	ND	J	mg/kg	2.31	0.363	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Vanadium, Total	24.9		mg/kg	1.15	0.234	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB
Zinc, Total	47.4	J	mg/kg	5.77	0.338	2	03/09/18 20:40	03/12/18 18:07	EPA 3050B	1,6010C	AB



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

Lab ID: L1807766-07  
 Client ID: EB01\_2018.03.06  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Water

Date Collected: 03/06/18 07:30  
 Date Received: 03/06/18  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.032	J	mg/l	0.100	0.032	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Arsenic, Total	ND		mg/l	0.005	0.002	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Barium, Total	ND		mg/l	0.010	0.002	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Calcium, Total	1.56		mg/l	0.100	0.035	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Chromium, Total	0.009	J	mg/l	0.010	0.002	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Copper, Total	ND		mg/l	0.010	0.002	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Iron, Total	0.395		mg/l	0.050	0.009	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Lead, Total	ND		mg/l	0.010	0.003	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Magnesium, Total	0.067	J	mg/l	0.100	0.015	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Manganese, Total	0.004	J	mg/l	0.010	0.002	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/07/18 14:07	03/08/18 14:24	EPA 7470A	1,7470A	MG
Nickel, Total	ND		mg/l	0.025	0.002	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Silver, Total	ND		mg/l	0.007	0.003	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Sodium, Total	ND		mg/l	2.00	0.120	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	03/09/18 11:25	03/12/18 19:07	EPA 3005A	1,6010C	AB





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

**Lab ID:** L1807766-01  
**Client ID:** GP01\_05.0-07.5  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil

**Date Collected:** 03/05/18 13:00  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.3		%	0.100	NA	1	-	03/08/18 13:07	121,2540G	RI
Cyanide, Total	ND	UJ	mg/kg	1.4	0.29	1	03/08/18 10:15	03/09/18 10:52	1,9010C/9012B	LH



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

**Lab ID:** L1807766-02  
**Client ID:** GP02\_07.5-10.0  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil

**Date Collected:** 03/05/18 16:20  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	03/08/18 13:07	121,2540G	RI
Cyanide, Total	<del>ND</del> <b>uj</b>		mg/kg	1.2	0.25	1	03/08/18 10:15	03/09/18 10:55	1,9010C/9012B	LH



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

**Lab ID:** L1807766-03  
**Client ID:** GP03\_10.0-12.5  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil

**Date Collected:** 03/06/18 09:45  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.4		%	0.100	NA	1	-	03/08/18 13:07	121,2540G	RI
Cyanide, Total	ND <i>47</i>		mg/kg	1.3	0.27	1	03/08/18 10:15	03/09/18 10:56	1,9010C/9012B	LH



4

Serial\_No:03141817:30

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1807766  
Report Date: 03/14/18

SAMPLE RESULTS

Lab ID: L1807766-04  
Client ID: GP04\_12.5-15.0  
Sample Location: GUILDERLAND, NY  
Sample Depth:  
Matrix: Soil

Date Collected: 03/06/18 11:30  
Date Received: 03/06/18  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.1		%	0.100	NA	1	-	03/08/18 13:07	121,2540G	RI
Cyanide, Total	<del>ND</del> <i>uj</i>		mg/kg	1.4	0.29	1	03/08/18 10:15	03/09/18 10:57	1,9010C/9012B	LH



*NW 8/13/18*

5

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

**Lab ID:** L1807766-05  
**Client ID:** GP05\_12.5-15.0  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil

**Date Collected:** 03/06/18 14:30  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	74.6		%	0.100	NA	1	-	03/08/18 13:07	121,2540G	RI
Cyanide, Total	ND	uj	mg/kg	1.3	0.28	1	03/08/18 10:15	03/09/18 10:58	1,9010C/9012B	LH



NW 8/13/18

6

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

**Lab ID:** L1807766-06  
**Client ID:** FD01\_2018.03.06  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Soil

**Date Collected:** 03/06/18 00:00  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	68.4		%	0.100	NA	1	-	03/08/18 13:07	121,2540G	RI
Cyanide, Total	<del>1.3</del> <b>1.3</b>		mg/kg	1.3	0.28	1	03/08/18 10:15	03/09/18 11:01	1,9010C/9012B	LH



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1807766  
**Report Date:** 03/14/18

**SAMPLE RESULTS**

**Lab ID:** L1807766-07  
**Client ID:** EB01\_2018.03.06  
**Sample Location:** GUILDERLAND, NY  
**Sample Depth:**  
**Matrix:** Water

**Date Collected:** 03/06/18 07:30  
**Date Received:** 03/06/18  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/07/18 13:10	03/07/18 15:47	1,9010C/9012B	LH



**DATA USABILITY SUMMARY REPORT  
MASTER CLEANERS, GUILDERLAND, NEW YORK**

Client: C.T. Male Associates, Latham, New York  
 SDG: L1809353  
 Laboratory: Alpha Analytical, Westborough, Massachusetts  
 Site: Master Cleaners, Guilderland, New York  
 Date: August 18, 2018

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	CTMMW-07_2018.03.19	L1809353-01	Water
2	CTMMW-07D_2018.03.19	L1809353-02	Water
2MS†	CTMMW-07D_2018.03.19MS	L1809353-02MS	Water
2MSD†	CTMMW-07D_2018.03.19MSD	L1809353-02MSD	Water
3	CTMMW-08_2018.03.19	L1809353-03	Water
4*	TRANSPORT BLANK	L1809353-04	Water

\* - VOC only    † - Cyanide only

A Data Usability Summary Review was performed on the analytical data for three water samples and one aqueous trip blank sample collected on March 19, 2018 by CT Male at the Master Cleaners site in Guilderland, New York. The samples were analyzed under Environmental Protection Agency (USEPA) “*Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions*”.

Specific method references are as follows:

Analysis

VOCs  
 SVOCs  
 SVOCs - SIM  
 PCB  
 Metals/Mercury  
 Cyanide

Method References

USEPA SW-846 Method 8260C  
 USEPA SW-846 Method 8270D  
 USEPA SW-846 Method 8270D SIM  
 USEPA SW-846 Method 8082A  
 USEPA SW-846 Method 6020A/7470A  
 USEPA SW-846 Method 9010C/9012B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- SOP Number HW-35A, Revision 1, September 2016: Semivolatile Data Validation;
- SOP Number HW-37A, Revision 0, June 2015: Polychlorinated Biphenyl (PCB) Aroclor Data Validation;
- SOP Number HW-3a, Revision 1, September 2016: ICP-AES Data Validation;

- SOP Number HW-3b, Revision 1, September 2016: ICP-MS Data Validation;
- SOP Number HW-3c, Revision 1, September 2016: Mercury and Cyanide Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

### *Organics*

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

### *Inorganics*

- Data Completeness
- Holding times and sample preservation
- ICP/MS Tuning
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

### Data Usability Assessment

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

### Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

### Volatile Organic Compounds (VOCs)

### Holding Times

- All samples were analyzed within 14 days for preserved water samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1099977-3	Chloroethane	140%	None	Associated Sample ND
WG1100486-3	Bromomethane	150%	None	Associated Sample ND

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TRANSPORT BLANK	None - ND	-	-	-

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D	Qualifier	Affected Samples
03/22/18 (1855)	Vinyl Chloride	27.6%	J	2
	Chloroethane	37.4%	UJ	
	Styrene	32.3%	UJ	
03/26/18 (0638)	Vinyl Chloride	27.2%	J	3
	Bromomethane	45.8%	UJ	
	Styrene	31%	UJ	

### Compound Quantitation

- EDS Sample IDs 1 and 3 were analyzed at a 1000X and a 500X dilution, respectively, due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not identified.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

## Semivolatile Organic Compounds (SVOCs & SVOC - SIM)

### Holding Times

- All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- The following table presents surrogate percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

SVOC - SIM			
Sample ID	Surrogate	%R	Qualifier
1	All Surrogates	0%	None - Diluted Out 20X
2	2,4,6-Tribromophenol	130%	None for 1 out per fraction

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

SVOC				
CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/23/18 (2242)	2-Nitrophenol	22.1%	UJ	1-3
	4,6-Dinitro-o-cresol	25.4%		

### Compound Quantitation

- EDS Sample ID 1 was analyzed at a 20X for several SIM compounds. The reporting limits were adjusted accordingly. No action was required.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not reported.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

## Polychlorinated Biphenyls (PCBs)

### Holding Times

- All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

### Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC samples were not collected.

### Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

### Continuing Calibration

- All %D criteria were met.

### Compound Quantitation

- All criteria were met.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

### GC Column Difference Results

- EDS sample ID 1 exhibited aroclor-1260 with a high %D >40% between columns and was flagged "P" by the laboratory. The reviewer further qualified this result estimated (J).

## Metals, Mercury & Cyanide

### Holding Times

- All samples were prepared and analyzed within 14 days for cyanide, 28 days for mercury and 180 days for all other metals.

### ICP/MS Tuning

- All criteria were met.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample ID	Compound	MS %R/MSD%R/RPD	Qualifier	Affected samples
2	Cyanide	77%/OK/OK	UJ	All Samples

### Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

### Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
WG1098867-1	Antimony	0.00081	U	1-3
	Iron	0.0260	None	All Associated >10X
WG1098758-1	Cyanide	0.003	None	All Associated ND

**Field Blank**

- Field QC samples were not collected.

**Initial Calibration Verification**

- All initial calibration criteria were met.

**Continuing Calibration Verification**

- All continuing calibration criteria were met.

**Compound Quantitation**

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

**ICP Serial Dilution**

- An ICP serial dilution was not performed.

**Field Duplicate Sample Precision**

- Field duplicate samples were not collected.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/22/18  
Nancy Weaver  
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



**Project Name:** MASTER CLEANERS**Lab Number:** L1809353**Project Number:** 16.6345**Report Date:** 03/26/18**SAMPLE RESULTS**

Lab ID: L1809353-01 D  
 Client ID: CTMMW-07\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 13:45  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/24/18 16:35  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by GC/MS - Westborough Lab**

Methylene chloride	ND		ug/l	2500	700	1000
1,1-Dichloroethane	ND		ug/l	2500	700	1000
Chloroform	ND		ug/l	2500	700	1000
Carbon tetrachloride	ND		ug/l	500	130	1000
1,2-Dichloropropane	ND		ug/l	1000	140	1000
Dibromochloromethane	ND		ug/l	500	150	1000
1,1,2-Trichloroethane	ND		ug/l	1500	500	1000
Tetrachloroethene	47000		ug/l	500	180	1000
Chlorobenzene	ND		ug/l	2500	700	1000
Trichlorofluoromethane	ND		ug/l	2500	700	1000
1,2-Dichloroethane	ND		ug/l	500	130	1000
1,1,1-Trichloroethane	ND		ug/l	2500	700	1000
Bromodichloromethane	ND		ug/l	500	190	1000
trans-1,3-Dichloropropene	ND		ug/l	500	160	1000
cis-1,3-Dichloropropene	ND		ug/l	500	140	1000
Bromoform	ND		ug/l	2000	650	1000
1,1,2,2-Tetrachloroethane	ND		ug/l	500	170	1000
Benzene	ND		ug/l	500	160	1000
Toluene	ND		ug/l	2500	700	1000
Ethylbenzene	ND		ug/l	2500	700	1000
Chloromethane	ND		ug/l	2500	700	1000
Bromomethane	ND		ug/l	2500	700	1000
Vinyl chloride	2900		ug/l	1000	71.	1000
Chloroethane	ND		ug/l	2500	700	1000
1,1-Dichloroethene	ND		ug/l	500	170	1000
trans-1,2-Dichloroethene	ND		ug/l	2500	700	1000
Trichloroethene	14000		ug/l	500	180	1000
1,2-Dichlorobenzene	ND		ug/l	2500	700	1000

**Project Name:** MASTER CLEANERS**Lab Number:** L1809353**Project Number:** 16.6345**Report Date:** 03/26/18**SAMPLE RESULTS**

Lab ID: L1809353-01 D  
 Client ID: CTMMW-07\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 13:45  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2500	700	1000
1,4-Dichlorobenzene	ND		ug/l	2500	700	1000
Methyl tert butyl ether	ND		ug/l	2500	700	1000
p/m-Xylene	ND		ug/l	2500	700	1000
o-Xylene	ND		ug/l	2500	700	1000
cis-1,2-Dichloroethene	170000		ug/l	2500	700	1000
Styrene	ND		ug/l	2500	700	1000
Dichlorodifluoromethane	ND		ug/l	5000	1000	1000
Acetone	ND		ug/l	5000	1500	1000
Carbon disulfide	ND		ug/l	5000	1000	1000
2-Butanone	ND		ug/l	5000	1900	1000
4-Methyl-2-pentanone	ND		ug/l	5000	1000	1000
2-Hexanone	ND		ug/l	5000	1000	1000
Bromochloromethane	ND		ug/l	2500	700	1000
1,2-Dibromoethane	ND		ug/l	2000	650	1000
1,2-Dibromo-3-chloropropane	ND		ug/l	2500	700	1000
Isopropylbenzene	ND		ug/l	2500	700	1000
1,2,3-Trichlorobenzene	ND		ug/l	2500	700	1000
1,2,4-Trichlorobenzene	ND		ug/l	2500	700	1000
Methyl Acetate	ND		ug/l	2000	230	1000
Cyclohexane	ND		ug/l	10000	270	1000
1,4-Dioxane	ND		ug/l	250000	61000	1000
Freon-113	ND		ug/l	2500	700	1000
Methyl cyclohexane	ND		ug/l	10000	400	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	91		70-130

2

Serial\_No:03261814:39

Project Name: MASTER CLEANERS

Lab Number: L1809353

Project Number: 16.6345

Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809353-02  
Client ID: CTMMW-07D\_2018.03.19  
Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:45  
Date Received: 03/19/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8260C  
Analytical Date: 03/23/18 04:37  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	14		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.15		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

+ J  
VJ

NW 8/13/18



2

**Project Name:** MASTER CLEANERS

**Lab Number:** L1809353

**Project Number:** 16.6345

**Report Date:** 03/26/18

**SAMPLE RESULTS**

Lab ID: L1809353-02  
 Client ID: CTMMW-07D\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:45  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.2	J	ug/l	2.5	0.70	1
Styrene	ND	VS	ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.4		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

NW 8/13/18



3

Serial\_No:03261814:39

Project Name: MASTER CLEANERS

Lab Number: L1809353

Project Number: 16.6345

Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809353-03 D
Client ID: CTMMW-08\_2018.03.19
Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:15
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/26/18 08:28
Analyst: PD

Parameter Result Qualifier Units RL MDL Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Lists various chemical compounds and their detection results.

UJ
J

NW 8/13/18



3

Serial\_No:03261814:39

**Project Name:** MASTER CLEANERS

**Lab Number:** L1809353

**Project Number:** 16.6345

**Report Date:** 03/26/18

**SAMPLE RESULTS**

Lab ID: L1809353-03 D  
 Client ID: CTMMW-08\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:15  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	1200	350	500
1,4-Dichlorobenzene	ND		ug/l	1200	350	500
Methyl tert butyl ether	ND		ug/l	1200	350	500
p/m-Xylene	ND		ug/l	1200	350	500
o-Xylene	ND		ug/l	1200	350	500
cis-1,2-Dichloroethene	37000		ug/l	1200	350	500
Styrene	<del>ND</del>	US	ug/l	1200	350	500
Dichlorodifluoromethane	ND		ug/l	2500	500	500
Acetone	ND		ug/l	2500	730	500
Carbon disulfide	ND		ug/l	2500	500	500
2-Butanone	ND		ug/l	2500	970	500
4-Methyl-2-pentanone	ND		ug/l	2500	500	500
2-Hexanone	ND		ug/l	2500	500	500
Bromochloromethane	ND		ug/l	1200	350	500
1,2-Dibromoethane	ND		ug/l	1000	320	500
1,2-Dibromo-3-chloropropane	ND		ug/l	1200	350	500
Isopropylbenzene	ND		ug/l	1200	350	500
1,2,3-Trichlorobenzene	ND		ug/l	1200	350	500
1,2,4-Trichlorobenzene	ND		ug/l	1200	350	500
Methyl Acetate	ND		ug/l	1000	120	500
Cyclohexane	ND		ug/l	5000	140	500
1,4-Dioxane	ND		ug/l	120000	30000	500
Freon-113	ND		ug/l	1200	350	500
Methyl cyclohexane	ND		ug/l	5000	200	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	91		70-130

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1809353

Project Number: 16.6345

Report Date: 03/26/18

## SAMPLE RESULTS

Lab ID: L1809353-04  
 Client ID: TRANSPORT BLANK  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 00:00  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/24/18 16:07  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

NW 8/13/18

4

Serial\_No:03261814:39

**Project Name:** MASTER CLEANERS

**Lab Number:** L1809353

**Project Number:** 16.6345

**Report Date:** 03/26/18

**SAMPLE RESULTS**

Lab ID: L1809353-04  
 Client ID: TRANSPORT BLANK  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 00:00  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	88		70-130

NW 8/13/18





**Project Name:** MASTER CLEANERS**Lab Number:** L1809353**Project Number:** 16.6345**Report Date:** 03/26/18**SAMPLE RESULTS**

Lab ID: L1809353-01  
 Client ID: CTMMW-07\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 13:45  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/24/18 08:27  
 Analyst: CB

Extraction Method: EPA 3510C  
 Extraction Date: 03/22/18 00:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatiles Organics by GC/MS - Westborough Lab**

Bis(2-chloroethyl)ether	97.		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	130		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	12.		ug/l	5.0	0.69	1
Di-n-octylphthalate	11.		ug/l	5.0	1.1	1
Diethyl phthalate	28.		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	0.84	J	ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1809353  
**Report Date:** 03/26/18

**SAMPLE RESULTS**

**Lab ID:** L1809353-01  
**Client ID:** CTMMW-07\_2018.03.19  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/19/18 13:45  
**Date Received:** 03/19/18  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatle Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	12.		ug/l	5.0	1.6	1
2-Nitrophenol	<del>ND</del>	VJ	ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	<del>ND</del>	VJ	ug/l	10	2.1	1
Phenol	26.		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	70.		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	116		23-120
2-Fluorobiphenyl	106		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	101		41-149

*NW 8/13/18*



Project Name: MASTER CLEANERS

Lab Number: L1809353

Project Number: 16.6345

Report Date: 03/26/18

## SAMPLE RESULTS

Lab ID: L1809353-02  
 Client ID: CTMMW-07D\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:45  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/24/18 04:40  
 Analyst: CB

Extraction Method: EPA 3510C  
 Extraction Date: 03/22/18 00:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	2.6	J	ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

2

Serial\_No:03261814:39

Project Name: MASTER CLEANERS

Lab Number: L1809353

Project Number: 16.6345

Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809353-02  
Client ID: CTMMW-07D\_2018.03.19  
Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:45  
Date Received: 03/19/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	<del>ND</del>	UJ	ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	<del>ND</del>	UJ	ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	8.3	J	ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	103		15-120
2,4,6-Tribromophenol	114		10-120
4-Terphenyl-d14	114		41-149

nw 8/13/18



**Project Name:** MASTER CLEANERS**Lab Number:** L1809353**Project Number:** 16.6345**Report Date:** 03/26/18**SAMPLE RESULTS**

Lab ID: L1809353-03  
 Client ID: CTMMW-08\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:15  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/24/18 05:05  
 Analyst: CB

Extraction Method: EPA 3510C  
 Extraction Date: 03/22/18 00:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Bis(2-chloroethyl)ether	12.		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	4.1		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	1.5	J	ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

3

Serial\_No:03261814:39

Project Name: MASTER CLEANERS

Lab Number: L1809353

Project Number: 16.6345

Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809353-03  
Client ID: CTMMW-08\_2018.03.19  
Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:15  
Date Received: 03/19/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	<del>ND</del>	US	ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	<del>ND</del>	US	ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	98		41-149

NW 8/13/18





**Project Name:** MASTER CLEANERS**Lab Number:** L1809353**Project Number:** 16.6345**Report Date:** 03/26/18**SAMPLE RESULTS**

Lab ID: L1809353-01 D  
 Client ID: CTMMW-07\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 13:45  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/25/18 19:53  
 Analyst: KL

Extraction Method: EPA 3510C  
 Extraction Date: 03/22/18 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS-SIM - Westborough Lab**

Acenaphthene	ND		ug/l	2.0	0.70	20
2-Chloronaphthalene	ND		ug/l	4.0	0.70	20
Fluoranthene	ND		ug/l	2.0	0.76	20
Hexachlorobutadiene	ND		ug/l	10	0.72	20
Naphthalene	99		ug/l	2.0	0.86	20
Benzo(a)anthracene	0.56	J	ug/l	2.0	0.36	20
Benzo(a)pyrene	ND		ug/l	2.0	0.78	20
Benzo(b)fluoranthene	0.78	J	ug/l	2.0	0.32	20
Benzo(k)fluoranthene	ND		ug/l	2.0	0.84	20
Chrysene	ND		ug/l	2.0	0.76	20
Acenaphthylene	ND		ug/l	2.0	0.70	20
Anthracene	ND		ug/l	2.0	0.70	20
Benzo(ghi)perylene	ND		ug/l	2.0	0.84	20
Fluorene	ND		ug/l	2.0	0.74	20
Phenanthrene	0.60	J	ug/l	2.0	0.30	20
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.78	20
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.80	20
Pyrene	ND		ug/l	2.0	0.80	20
2-Methylnaphthalene	8.7		ug/l	2.0	0.90	20
Pentachlorophenol	ND		ug/l	16	4.4	20
Hexachlorobenzene	ND		ug/l	16	0.64	20
Hexachloroethane	ND		ug/l	16	0.60	20

2

Serial\_No:03261814:39

Project Name: MASTER CLEANERS

Lab Number: L1809353

Project Number: 16.6345

Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809353-02  
Client ID: CTMMW-07D\_2018.03.19  
Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:45  
Date Received: 03/19/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/24/18 14:44  
Analyst: KL

Extraction Method: EPA 3510C  
Extraction Date: 03/22/18 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1809353

**Project Number:** 16.6345

**Report Date:** 03/26/18

**SAMPLE RESULTS**

Lab ID: L1809353-03  
Client ID: CTMMW-08\_2018.03.19  
Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:15  
Date Received: 03/19/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/24/18 15:10  
Analyst: KL

Extraction Method: EPA 3510C  
Extraction Date: 03/22/18 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	0.05	J	ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	12		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	0.09	J	ug/l	0.10	0.04	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	1.3		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

*MW 8/13/18*





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1809353  
**Report Date:** 03/26/18

**SAMPLE RESULTS**

**Lab ID:** L1809353-01  
**Client ID:** CTMMW-07\_2018.03.19  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/19/18 13:45  
**Date Received:** 03/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/23/18 10:51  
**Analyst:** HT

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/21/18 01:42  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/22/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	3.16		ug/l	0.083	0.035	1	B
Aroclor 1260	1.25	J	ug/l	0.083	0.020	1	B
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	4.41		ug/l	0.083	0.017	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	60		30-150	B

NW 9/13/18



2

Serial\_No:03261814:39

Project Name: MASTER CLEANERS

Lab Number: L1809353

Project Number: 16.6345

Report Date: 03/26/18

**SAMPLE RESULTS**

Lab ID: L1809353-02  
Client ID: CTMMW-07D\_2018.03.19  
Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:45  
Date Received: 03/19/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8082A  
Analytical Date: 03/23/18 11:03  
Analyst: HT

Extraction Method: EPA 3510C  
Extraction Date: 03/21/18 01:42  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/22/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
-----------	--------	-----------	-------	----	-----	-----------------	--------

**Polychlorinated Biphenyls by GC - Westborough Lab**

Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	81		30-150	B

NW 8/13/18



3

Serial\_No:03261814:39

**Project Name:** MASTER CLEANERS

**Lab Number:** L1809353

**Project Number:** 16.6345

**Report Date:** 03/26/18

**SAMPLE RESULTS**

Lab ID: L1809353-03  
 Client ID: CTMMW-08\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:15  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 03/23/18 11:16  
 Analyst: HT

Extraction Method: EPA 3510C  
 Extraction Date: 03/21/18 01:42  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/22/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	90		30-150	B

NW 8/13/18





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1809353  
**Report Date:** 03/26/18

**SAMPLE RESULTS**

Lab ID: L1809353-01  
 Client ID: CTMMW-07\_2018.03.19  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 13:45  
 Date Received: 03/19/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	110.		mg/l	0.0200	0.00654	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Antimony, Total	0.00166	u s	mg/l	0.00800	0.00085	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Arsenic, Total	0.1017		mg/l	0.00100	0.00033	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Barium, Total	1.891		mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00966		mg/l	0.00100	0.00021	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00293		mg/l	0.00040	0.00011	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Calcium, Total	1360		mg/l	4.00	1.58	20	03/20/18 16:10	03/22/18 13:56	EPA 3005A	1,6020A	AM
Chromium, Total	0.1902		mg/l	0.00200	0.00035	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Cobalt, Total	0.1841		mg/l	0.00100	0.00032	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Copper, Total	0.2842		mg/l	0.00200	0.00076	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Iron, Total	348.		mg/l	0.100	0.0382	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Lead, Total	0.1382		mg/l	0.00200	0.00068	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Magnesium, Total	141.		mg/l	0.140	0.0484	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Manganese, Total	30.64		mg/l	0.04000	0.01760	20	03/20/18 16:10	03/22/18 13:56	EPA 3005A	1,6020A	AM
Mercury, Total	0.00022		mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 21:25	EPA 7470A	1,7470A	EA
Nickel, Total	0.2914		mg/l	0.00400	0.00111	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Potassium, Total	10.7		mg/l	0.200	0.0618	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Selenium, Total	0.0540		mg/l	0.0100	0.00346	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Silver, Total	0.00040	J	mg/l	0.00080	0.00032	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Sodium, Total	102.		mg/l	0.200	0.0586	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Thallium, Total	0.00104		mg/l	0.00100	0.00028	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Vanadium, Total	0.2563		mg/l	0.01000	0.00314	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM
Zinc, Total	0.5497		mg/l	0.02000	0.00682	1	03/20/18 16:10	03/22/18 12:58	EPA 3005A	1,6020A	AM



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1809353  
**Report Date:** 03/26/18

**SAMPLE RESULTS**

**Lab ID:** L1809353-02  
**Client ID:** CTMMW-07D\_2018.03.19  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/19/18 14:45  
**Date Received:** 03/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.312		mg/l	0.0100	0.00327	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Antimony, Total	0.00149	u ✓	mg/l	0.00400	0.00042	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00559		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Barium, Total	0.04825		mg/l	0.00050	0.00017	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Calcium, Total	39.8		mg/l	0.100	0.0394	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Chromium, Total	0.00512		mg/l	0.00100	0.00017	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00019	J	mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Copper, Total	0.00144		mg/l	0.00100	0.00038	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Iron, Total	0.498		mg/l	0.0500	0.0191	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Lead, Total	0.00034	J	mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Magnesium, Total	22.2		mg/l	0.0700	0.0242	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Manganese, Total	0.01312		mg/l	0.00100	0.00044	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 21:27	EPA 7470A	1,7470A	EA
Nickel, Total	0.00110	J	mg/l	0.00200	0.00055	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Potassium, Total	4.58		mg/l	0.100	0.0309	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Sodium, Total	30.8		mg/l	0.100	0.0293	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Vanadium, Total	0.01152		mg/l	0.00500	0.00157	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/20/18 16:10	03/22/18 13:02	EPA 3005A	1,6020A	AM



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1809353  
**Report Date:** 03/26/18

**SAMPLE RESULTS**

**Lab ID:** L1809353-03  
**Client ID:** CTMMW-08\_2018.03.19  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/19/18 14:15  
**Date Received:** 03/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	39.4		mg/l	0.0100	0.00327	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Antimony, Total	0.00044	u ✓	mg/l	0.00400	0.00042	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Arsenic, Total	0.02888		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Barium, Total	0.6342		mg/l	0.00050	0.00017	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00497		mg/l	0.00050	0.00010	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00083		mg/l	0.00020	0.00005	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Calcium, Total	472.		mg/l	2.00	0.788	20	03/20/18 16:10	03/22/18 14:48	EPA 3005A	1,6020A	AM
Chromium, Total	0.04970		mg/l	0.00100	0.00017	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Cobalt, Total	0.05357		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Copper, Total	0.1182		mg/l	0.00100	0.00038	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Iron, Total	111.		mg/l	0.0500	0.0191	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Lead, Total	0.06167		mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Magnesium, Total	71.3		mg/l	0.0700	0.0242	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Manganese, Total	7.550		mg/l	0.00100	0.00044	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 21:29	EPA 7470A	1,7470A	EA
Nickel, Total	0.09639		mg/l	0.00200	0.00055	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Potassium, Total	4.84		mg/l	0.100	0.0309	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Selenium, Total	0.0250		mg/l	0.00500	0.00173	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Sodium, Total	125.		mg/l	0.100	0.0293	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Thallium, Total	0.00031	J	mg/l	0.00050	0.00014	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Vanadium, Total	0.09639		mg/l	0.00500	0.00157	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM
Zinc, Total	0.2159		mg/l	0.01000	0.00341	1	03/20/18 16:10	03/22/18 13:06	EPA 3005A	1,6020A	AM





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1809353  
**Report Date:** 03/26/18

**SAMPLE RESULTS**

**Lab ID:** L1809353-01  
**Client ID:** CTMMW-07\_2018.03.19  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/19/18 13:45  
**Date Received:** 03/19/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND	NS	mg/l	0.005	0.001	1	03/20/18 13:20	03/21/18 10:51	1,9010C/9012B	LH



*NW 8/13/18*

2

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1809353  
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809353-02  
Client ID: CTMMW-07D\_2018.03.19  
Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:45  
Date Received: 03/19/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND	uj	mg/l	0.005	0.001	1	03/20/18 13:20	03/21/18 10:52	1,9010C/9012B	LH



NW 2/13/18

3

Serial\_No:03261814:39

Project Name: MASTER CLEANERS  
Project Number: 16.6345

Lab Number: L1809353  
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809353-03  
Client ID: CTMMW-08\_2018.03.19  
Sample Location: GUILDERLAND, NY

Date Collected: 03/19/18 14:15  
Date Received: 03/19/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Cyanide, Total	ND	uj	mg/l	0.005	0.001	1	03/20/18 13:20	03/21/18 10:57	1,9010C/9012B	LH



NW 8/13/18

**DATA USABILITY SUMMARY REPORT  
MASTER CLEANERS, GUILDERLAND, NEW YORK**

Client: C.T. Male Associates, Latham, New York  
 SDG: L1808955  
 Laboratory: Alpha Analytical, Westborough, Massachusetts  
 Site: Master Cleaners, Guilderland, New York  
 Date: August 18, 2018

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-3_2018.03.15	L1808955-01	Water
2	MW-4_2018.03.15	L1808955-02	Water
3	CTMMW-02_2018.03.15	L1808955-03	Water
4	MW-1_2018.03.15	L1808955-04	Water
5	CTMMW-04_2018.03.15	L1808955-05	Water
5MS	CTMMW-04_2018.03.15MS	L1808955-05MS	Water
5MSD	CTMMW-04_2018.03.15MSD	L1808955-05MSD	Water
6	CTMMW-06_2018.03.15	L1808955-06	Water
7	CTMMW-03_2018.03.15	L1808955-07	Water
8	MW-2_2018.03.15	L1808955-08	Water
9	CTMMW-05_2018.03.15	L1808955-09	Water
10	CTMMW-01_2018.03.15	L1808955-10	Water
11	ED01_2018.03.15	L1808955-11	Water
12	FD01_2018.03.15	L1808955-12	Water
13*	TRANSPORT BLANK	L1808955-13	Water

\* - VOC only

A Data Usability Summary Review was performed on the analytical data for eleven water samples, one aqueous equipment blank sample, and one aqueous trip blank sample collected on March 15, 2018 by CT Male at the Master Cleaners site in Guilderland, New York. The samples were analyzed under Environmental Protection Agency (USEPA) "Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".

Specific method references are as follows:

Analysis

VOCs  
 SVOCs  
 SVOCs - SIM  
 PCB  
 Metals/Mercury  
 Cyanide

Method References

USEPA SW-846 Method 8260C  
 USEPA SW-846 Method 8270D  
 USEPA SW-846 Method 8270D SIM  
 USEPA SW-846 Method 8082A  
 USEPA SW-846 Method 6020A/7470A  
 USEPA SW-846 Method 9010C/9012B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- SOP Number HW-35A, Revision 1, September 2016: Semivolatile Data Validation;
- SOP Number HW-37A, Revision 0, June 2015: Polychlorinated Biphenyl (PCB) Aroclor Data Validation;
- SOP Number HW-3a, Revision 1, September 2016: ICP-AES Data Validation;
- SOP Number HW-3b, Revision 1, September 2016: ICP-MS Data Validation;
- SOP Number HW-3c, Revision 1, September 2016: Mercury and Cyanide Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

### *Organics*

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

### *Inorganics*

- Data Completeness
- Holding times and sample preservation
- ICP/MS Tuning
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

## Data Usability Assessment

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

## Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

## Volatile Organic Compounds (VOCs)

### Holding Times

- All samples were analyzed within 14 days for preserved water samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
5	Tetrachloroethene	0%/20%/OK	None - 4X Rule Applies
	Vinyl Chloride	144%/150%/OK	None - See CCAL
	Trichloroethene	60%/OK/OK	J
	cis-1,2-Dichloroethene	20%/60%/OK	J
	Acetone	OK/OK/22	None for RPD alone
	1,4-Dioxane	48%/OK/40	UJ

### Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
WG1099181-3	1,4-Dioxane	52%	None	See CCAL

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TRANSPORT BLANK	None - ND	-	-	-
ED01_2018.03.15	Acetone	1.5	U	3, 9, 10

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D	Qualifier	Affected Samples
03/21/18 (0737)	Vinyl Chloride	36.1%	I/UJ	1, 3-4, 6-7, 9-13
	Chloroethane	32.4%	UJ	
	Styrene	23.8%	UJ	
	1,4-Dioxane	47%	UJ	
03/21/18 (1830)	Vinyl Chloride	32%	J	2, 5, 8
	Chloroethane	26.3%	UJ	

### Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not identified.

### Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	CTMMW-01_2018.03.15 ug/L	FD-02_2018.03.15 ug/L	RPD	Qualifier
Tetrachloroethene	4.1	4.0	2%	None
Benzene	2.4	2.5	4%	
Vinyl Chloride	1.2	1.2	0%	
Trichloroethene	1.8	1.8	0%	
cis-1,2-Dichloroethene	2.1	2.0	5%	
Isopropylbenzene	0.78	0.77	1%	
Cyclohexane	12	12	0%	
Methyl Cyclohexane	5.7	5.7	0%	

## Semivolatile Organic Compounds (SVOCs & SVOC - SIM)

### Holding Times

- All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values.

### Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC sample results are summarized below.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
ED01_2018.03.15	None - ND	-	-	-

### GC/MS Tuning

- All criteria were met.

### Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

### Continuing Calibration

- The continuing calibrations exhibited acceptable %D and RRF values.

### Compound Quantitation

- EDS Sample ID 1 was flagged (E) by the laboratory for naphthalene, indicating a calibration range exceedance. The sample was reanalyzed at a 2X dilution and the dilution result for this compound should be used for report purposes.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Tentatively Identified Compounds (TICs)

- TICs were not reported.

### Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

SVOC				
Compound	CTMMW-01_2018.03.15 ug/L	FD-02_2018.03.15 ug/L	RPD	Qualifier
None	ND	ND	-	-

SVOC - SIM				
Compound	CTMMW-01_2018.03.15 ug/L	FD-02_2018.03.15 ug/L	RPD	Qualifier
None	ND	ND	-	-

## Polychlorinated Biphenyls (PCBs)

### Holding Times

- All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

### Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate %R values.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values.

### Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

### Method Blank

- The method blanks were free of contamination.

### Field Blank

- Field QC sample results are summarized below.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
ED01_2018.03.15	None - ND	-	-	-

### Initial Calibration

- All %RSD and/or correlation coefficient criteria were met.

### Continuing Calibration

- All %D criteria were met.

### Compound Quantitation

- All criteria were met.

### Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	CTMMW-01_2018.03.15 ug/L	FD-02_2018.03.15 ug/L	RPD	Qualifier
Aroclor 1254	ND	0.042	NC	None
Total PCBs	ND	0.042	NC	

### GC Column Difference Results

- All criteria were met.

## Metals, Mercury & Cyanide

### Holding Times

- All samples were prepared and analyzed within 14 days for cyanide, 28 days for mercury and 180 days for all other metals.

### ICP/MS Tuning

- All criteria were met.

### Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample ID	Compound	MS %R/RPD	Qualifier	Affected samples
5	Magnesium	145%/146%/OK	J	1-10, 12
	Manganese	132%/132%/OK	J	
	Sodium	162%/163%/OK	J	1-12

### Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

### Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
WG1098087-1	Antimony	0.00064	U	1-6, 8, 10, 12
	Sodium	0.0409	None	All Associated >10X

### Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
ED01_2018.03.15	Calcium	0.0743	None	All Associated >10X
	Chromium	0.00041	U	10, 12
	Sodium	0.300	None	All Associated >10X

### Initial Calibration Verification

- All initial calibration criteria were met.

### Continuing Calibration Verification

- All continuing calibration criteria were met.

### Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

### ICP Serial Dilution

- An ICP serial dilution was not performed.

### Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	CTMMW-01_2018.03.15 mg/L	FD-02_2018.03.15 mg/L	RPD	Qualifier
Aluminum	0.0250	0.0291	15%	None
Arsenic	0.00175	0.00180	3%	
Barium	0.2497	0.2550	2%	
Calcium	307	308	0%	
Cobalt	0.00089	0.00106	17%	
Copper	0.00061	0.00068	11%	
Iron	4.87	4.91	1%	
Magnesium	27.4	27.0	1%	

Compound	CTMMW-01_2018.03.15 mg/L	FD-02_2018.03.15 mg/L	RPD	Qualifier
Manganese	4.631	4.607	1%	None
Nickel	ND	0.00063	NC	
Potassium	12.9	12.9	0%	
Sodium	1590	1640	3%	
Cyanide	0.004	0.003	29%	

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/23/18  
 Nancy Weaver  
 Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-01 D

Date Collected: 03/15/18 14:50

Client ID: MW-3\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 03/21/18 10:23

Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2500	700	1000
1,1-Dichloroethane	ND		ug/l	2500	700	1000
Chloroform	ND		ug/l	2500	700	1000
Carbon tetrachloride	ND		ug/l	500	130	1000
1,2-Dichloropropane	ND		ug/l	1000	140	1000
Dibromochloromethane	ND		ug/l	500	150	1000
1,1,2-Trichloroethane	ND		ug/l	1500	500	1000
Tetrachloroethene	70000		ug/l	500	180	1000
Chlorobenzene	ND		ug/l	2500	700	1000
Trichlorofluoromethane	ND		ug/l	2500	700	1000
1,2-Dichloroethane	ND		ug/l	500	130	1000
1,1,1-Trichloroethane	ND		ug/l	2500	700	1000
Bromodichloromethane	ND		ug/l	500	190	1000
trans-1,3-Dichloropropene	ND		ug/l	500	160	1000
cis-1,3-Dichloropropene	ND		ug/l	500	140	1000
Bromoform	ND		ug/l	2000	650	1000
1,1,2,2-Tetrachloroethane	ND		ug/l	500	170	1000
Benzene	ND		ug/l	500	160	1000
Toluene	ND		ug/l	2500	700	1000
Ethylbenzene	ND		ug/l	2500	700	1000
Chloromethane	ND		ug/l	2500	700	1000
Bromomethane	ND		ug/l	2500	700	1000
Vinyl chloride	6400	J	ug/l	1000	71.	1000
Chloroethane	ND	US	ug/l	2500	700	1000
1,1-Dichloroethene	ND		ug/l	500	170	1000
trans-1,2-Dichloroethene	ND		ug/l	2500	700	1000
Trichloroethene	16000		ug/l	500	180	1000
1,2-Dichlorobenzene	ND		ug/l	2500	700	1000

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-01 D

Date Collected: 03/15/18 14:50

Client ID: MW-3\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2500	700	1000
1,4-Dichlorobenzene	ND		ug/l	2500	700	1000
Methyl tert butyl ether	ND		ug/l	2500	700	1000
p/m-Xylene	ND		ug/l	2500	700	1000
o-Xylene	ND		ug/l	2500	700	1000
cis-1,2-Dichloroethene	95000		ug/l	2500	700	1000
Styrene	<del>ND</del>	US	ug/l	2500	700	1000
Dichlorodifluoromethane	ND		ug/l	5000	1000	1000
Acetone	ND		ug/l	5000	1500	1000
Carbon disulfide	ND		ug/l	5000	1000	1000
2-Butanone	ND		ug/l	5000	1900	1000
4-Methyl-2-pentanone	ND		ug/l	5000	1000	1000
2-Hexanone	ND		ug/l	5000	1000	1000
Bromochloromethane	ND		ug/l	2500	700	1000
1,2-Dibromoethane	ND		ug/l	2000	650	1000
1,2-Dibromo-3-chloropropane	ND		ug/l	2500	700	1000
Isopropylbenzene	ND		ug/l	2500	700	1000
1,2,3-Trichlorobenzene	ND		ug/l	2500	700	1000
1,2,4-Trichlorobenzene	ND		ug/l	2500	700	1000
Methyl Acetate	ND		ug/l	2000	230	1000
Cyclohexane	ND		ug/l	10000	270	1000
1,4-Dioxane	<del>ND</del>	US	ug/l	250000	61000	1000
Freon-113	ND		ug/l	2500	700	1000
Methyl cyclohexane	ND		ug/l	10000	400	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-02 D

Date Collected: 03/15/18 14:00

Client ID: MW-4\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 03/21/18 20:49

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by GC/MS - Westborough Lab**

Methylene chloride	ND		ug/l	1200	350	500
1,1-Dichloroethane	ND		ug/l	1200	350	500
Chloroform	ND		ug/l	1200	350	500
Carbon tetrachloride	ND		ug/l	250	67.	500
1,2-Dichloropropane	ND		ug/l	500	68.	500
Dibromochloromethane	ND		ug/l	250	74.	500
1,1,2-Trichloroethane	ND		ug/l	750	250	500
Tetrachloroethene	36000		ug/l	250	90.	500
Chlorobenzene	ND		ug/l	1200	350	500
Trichlorofluoromethane	ND		ug/l	1200	350	500
1,2-Dichloroethane	ND		ug/l	250	66.	500
1,1,1-Trichloroethane	ND		ug/l	1200	350	500
Bromodichloromethane	ND		ug/l	250	96.	500
trans-1,3-Dichloropropene	ND		ug/l	250	82.	500
cis-1,3-Dichloropropene	ND		ug/l	250	72.	500
Bromoform	ND		ug/l	1000	320	500
1,1,2,2-Tetrachloroethane	ND		ug/l	250	84.	500
Benzene	ND		ug/l	250	80.	500
Toluene	ND		ug/l	1200	350	500
Ethylbenzene	ND		ug/l	1200	350	500
Chloromethane	ND		ug/l	1200	350	500
Bromomethane	ND		ug/l	1200	350	500
Vinyl chloride	82		ug/l	500	36.	500
Chloroethane	ND		ug/l	1200	350	500
1,1-Dichloroethene	ND		ug/l	250	84.	500
trans-1,2-Dichloroethene	ND		ug/l	1200	350	500
Trichloroethene	2700		ug/l	250	88.	500
1,2-Dichlorobenzene	ND		ug/l	1200	350	500

JS  
VS



NW 8/13/18

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-02 D

Date Collected: 03/15/18 14:00

Client ID: MW-4\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	1200	350	500
1,4-Dichlorobenzene	ND		ug/l	1200	350	500
Methyl tert butyl ether	ND		ug/l	1200	350	500
p/m-Xylene	ND		ug/l	1200	350	500
o-Xylene	ND		ug/l	1200	350	500
cis-1,2-Dichloroethene	1400		ug/l	1200	350	500
Styrene	ND		ug/l	1200	350	500
Dichlorodifluoromethane	ND		ug/l	2500	500	500
Acetone	ND		ug/l	2500	730	500
Carbon disulfide	ND		ug/l	2500	500	500
2-Butanone	ND		ug/l	2500	970	500
4-Methyl-2-pentanone	ND		ug/l	2500	500	500
2-Hexanone	ND		ug/l	2500	500	500
Bromochloromethane	ND		ug/l	1200	350	500
1,2-Dibromoethane	ND		ug/l	1000	320	500
1,2-Dibromo-3-chloropropane	ND		ug/l	1200	350	500
Isopropylbenzene	ND		ug/l	1200	350	500
1,2,3-Trichlorobenzene	ND		ug/l	1200	350	500
1,2,4-Trichlorobenzene	ND		ug/l	1200	350	500
Methyl Acetate	ND		ug/l	1000	120	500
Cyclohexane	ND		ug/l	5000	140	500
1,4-Dioxane	ND		ug/l	120000	30000	500
Freon-113	ND		ug/l	1200	350	500
Methyl cyclohexane	ND		ug/l	5000	200	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	92		70-130

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-03  
 Client ID: CTMMW-02\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 09:55  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/21/18 11:19  
 Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.43	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	<del>ND</del>	US	ug/l	1.0	0.07	1
Chloroethane	<del>ND</del>	US	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1



3

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-03  
Client ID: CTMMW-02\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 09:55  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	<del>ND</del>	US	ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.4	u	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.2	J	ug/l	10	0.27	1
1,4-Dioxane	<del>ND</del>	US	ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.84	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

NW 8/13/18



4

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-04  
Client ID: MW-1\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 10:45  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8260C  
Analytical Date: 03/21/18 11:47  
Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.62		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	<del>ND</del>	VJ	ug/l	1.0	0.07	1
Chloroethane	<del>ND</del>	VJ	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.40	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

NW 8/13/18



4

Serial\_No:03221817:35

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-04

**Date Collected:** 03/15/18 10:45

**Client ID:** MW-1\_2018.03.15

**Date Received:** 03/15/18

**Sample Location:** GUILDERLAND, NY

**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND	US	ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND	US	ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

NW 8/13/18



5

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-05 D  
Client ID: CTMMW-04\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 11:45  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8260C  
Analytical Date: 03/21/18 21:44  
Analyst: PD

Parameter Result Qualifier Units RL MDL Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	4800		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	14	J	ug/l	50	3.6	50
Chloroethane	ND	VS	ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	1200	J	ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50



NW 8/13/18

5

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-05 D  
Client ID: CTMMW-04\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 11:45  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	2300	J	ug/l	120	35.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
Methyl Acetate	ND		ug/l	100	12.	50
Cyclohexane	ND		ug/l	500	14.	50
1,4-Dioxane	ND	UJ	ug/l	12000	3000	50
Freon-113	ND		ug/l	120	35.	50
Methyl cyclohexane	ND		ug/l	500	20.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	92		70-130

nw 8/13/18



6

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-06 D
Client ID: CTMMW-06\_2018.03.15
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:00
Date Received: 03/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/21/18 13:38
Analyst: BD

Parameter Result Qualifier Units RL MDL Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Lists various chemical compounds and their detection results.

Handwritten red notes: 'S' and 'US' with arrows pointing to '1300' and 'ND' in the Vinyl chloride and Chloroethane rows.

Handwritten red note: 'NW 8/13/18'



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-06 D  
 Client ID: CTMMW-06\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:00  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	5000	1400	2000
1,4-Dichlorobenzene	ND		ug/l	5000	1400	2000
Methyl tert butyl ether	ND		ug/l	5000	1400	2000
p/m-Xylene	ND		ug/l	5000	1400	2000
o-Xylene	ND		ug/l	5000	1400	2000
cis-1,2-Dichloroethene	37000		ug/l	5000	1400	2000
Styrene	ND	US	ug/l	5000	1400	2000
Dichlorodifluoromethane	ND		ug/l	10000	2000	2000
Acetone	ND		ug/l	10000	2900	2000
Carbon disulfide	ND		ug/l	10000	2000	2000
2-Butanone	ND		ug/l	10000	3900	2000
4-Methyl-2-pentanone	ND		ug/l	10000	2000	2000
2-Hexanone	ND		ug/l	10000	2000	2000
Bromochloromethane	ND		ug/l	5000	1400	2000
1,2-Dibromoethane	ND		ug/l	4000	1300	2000
1,2-Dibromo-3-chloropropane	ND		ug/l	5000	1400	2000
Isopropylbenzene	ND		ug/l	5000	1400	2000
1,2,3-Trichlorobenzene	ND		ug/l	5000	1400	2000
1,2,4-Trichlorobenzene	ND		ug/l	5000	1400	2000
Methyl Acetate	ND		ug/l	4000	470	2000
Cyclohexane	ND		ug/l	20000	540	2000
1,4-Dioxane	ND	US	ug/l	500000	120000	2000
Freon-113	ND		ug/l	5000	1400	2000
Methyl cyclohexane	ND		ug/l	20000	790	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	94		70-130



7

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-07 D
Client ID: CTMMW-03\_2018.03.15
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:15
Date Received: 03/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/21/18 14:05
Analyst: AD

Parameter Result Qualifier Units RL MDL Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Lists various chemical compounds and their detection results.

Handwritten red annotations: 'ND' with 'UJ' next to Vinyl chloride and Chloroethane.



Handwritten red text: NW 8/13/18

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-07 D  
 Client ID: CTMMW-03\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:15  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	6200	1800	2500
1,4-Dichlorobenzene	ND		ug/l	6200	1800	2500
Methyl tert butyl ether	ND		ug/l	6200	1800	2500
p/m-Xylene	ND		ug/l	6200	1800	2500
o-Xylene	ND		ug/l	6200	1800	2500
cis-1,2-Dichloroethene	ND		ug/l	6200	1800	2500
Styrene	<del>ND</del>	US	ug/l	6200	1800	2500
Dichlorodifluoromethane	ND		ug/l	12000	2500	2500
Acetone	ND		ug/l	12000	3600	2500
Carbon disulfide	ND		ug/l	12000	2500	2500
2-Butanone	ND		ug/l	12000	4800	2500
4-Methyl-2-pentanone	ND		ug/l	12000	2500	2500
2-Hexanone	ND		ug/l	12000	2500	2500
Bromochloromethane	ND		ug/l	6200	1800	2500
1,2-Dibromoethane	ND		ug/l	5000	1600	2500
1,2-Dibromo-3-chloropropane	ND		ug/l	6200	1800	2500
Isopropylbenzene	ND		ug/l	6200	1800	2500
1,2,3-Trichlorobenzene	ND		ug/l	6200	1800	2500
1,2,4-Trichlorobenzene	ND		ug/l	6200	1800	2500
Methyl Acetate	ND		ug/l	5000	580	2500
Cyclohexane	ND		ug/l	25000	680	2500
1,4-Dioxane	<del>ND</del>	US	ug/l	620000	150000	2500
Freon-113	ND		ug/l	6200	1800	2500
Methyl cyclohexane	ND		ug/l	25000	990	2500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-08 D

Date Collected: 03/15/18 13:30

Client ID: MW-2\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 03/21/18 21:17

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	ND		ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	14.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	11000		ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	ND		ug/l	50	13.	100
1,1,1-Trichloroethane	ND		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	17.	100
Benzene	ND		ug/l	50	16.	100
Toluene	ND		ug/l	250	70.	100
Ethylbenzene	ND		ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	74		ug/l	100	7.1	100
Chloroethane	<del>ND</del>	J V5	ug/l	250	70.	100
1,1-Dichloroethene	ND		ug/l	50	17.	100
trans-1,2-Dichloroethene	ND		ug/l	250	70.	100
Trichloroethene	2100		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100

J  
V5

NW 8/13/18



8

Serial\_No:03221817:35

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-08 D  
 Client ID: MW-2\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 13:30  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	ND		ug/l	250	70.	100
o-Xylene	ND		ug/l	250	70.	100
cis-1,2-Dichloroethene	800		ug/l	250	70.	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	ND		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	ND		ug/l	500	190	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
Methyl Acetate	ND		ug/l	200	23.	100
Cyclohexane	ND		ug/l	1000	27.	100
1,4-Dioxane	ND		ug/l	25000	6100	100
Freon-113	ND		ug/l	250	70.	100
Methyl cyclohexane	ND		ug/l	1000	40.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	93		70-130

NW 8/13/18



9

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-09  
Client ID: CTMMW-05\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 12:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8260C  
Analytical Date: 03/21/18 15:01  
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	28		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	6.2	J	ug/l	1.0	0.07	1
Chloroethane	<del>ND</del>	JS	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	5.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

NW 8/15/18



9

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-09  
Client ID: CTMMW-05\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 12:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	24		ug/l	2.5	0.70	1
Styrene	<del>ND</del>	UJ	ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	u ✓	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	<del>ND</del>	UJ	ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	92		70-130

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-10  
 Client ID: CTMMW-01\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:30  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/21/18 15:29  
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	4.1		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	2.4		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.2	J	ug/l	1.0	0.07	1
Chloroethane	ND	W	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

10

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-10  
 Client ID: CTMMW-01\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:30  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.1	J	ug/l	2.5	0.70	1
Styrene	<del>ND</del>	US	ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	u +	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.78	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	12		ug/l	10	0.27	1
1,4-Dioxane	<del>ND</del>	US	ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	5.7	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

NW 8/13/10



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-11  
**Client ID:** ED01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 15:45  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/21/18 15:57  
**Analyst:** AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Volatile Organics by GC/MS - Westborough Lab**

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	<del>ND</del>	UJ	ug/l	1.0	0.07	1
Chloroethane	<del>ND</del>	UJ	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-11

**Date Collected:** 03/15/18 15:45

**Client ID:** ED01\_2018.03.15

**Date Received:** 03/15/18

**Sample Location:** GUILDERLAND, NY

**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	<del>ND</del>	US	ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	<del>ND</del>	US	ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

NW 8/13/18



12

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-12  
Client ID: FD01\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 00:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8260C  
Analytical Date: 03/21/18 16:25  
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	4.0		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	2.5		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.2		ug/l	1.0	0.07	1
Chloroethane	<del>ND</del>	J US	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

NW 8/13/18



12

Serial\_No:03221817:35

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-12

**Date Collected:** 03/15/18 00:00

**Client ID:** FD01\_2018.03.15

**Date Received:** 03/15/18

**Sample Location:** GUILDERLAND, NY

**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.0	J	ug/l	2.5	0.70	1
Styrene	<del>ND</del>	UJ	ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.77	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	12		ug/l	10	0.27	1
1,4-Dioxane	<del>ND</del>	UJ	ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	5.7	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	93		70-130

NW 8/13/18



13

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-13  
Client ID: TRANSPORT BLANK  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 00:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8260C  
Analytical Date: 03/21/18 16:52  
Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND	UJ	ug/l	1.0	0.07	1
Chloroethane	ND	UJ	ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-13  
Client ID: TRANSPORT BLANK  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 00:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	<del>ND</del>	UJ	ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	<del>ND</del>	UJ	ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	95		70-130

NW 8/13/18





Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-01  
 Client ID: MW-3\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:50  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/19/18 15:43  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-chloroethyl)ether	27.		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	4.2	J	ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-01

Date Collected: 03/15/18 14:50

Client ID: MW-3\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatiles Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	1.9	J	ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	87		41-149

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-02  
 Client ID: MW-4\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:00  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/19/18 16:08  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

2

Serial\_No:03221817:35

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-02

Date Collected: 03/15/18 14:00

Client ID: MW-4\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatle Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	95		41-149

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-03  
 Client ID: CTMMW-02\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 09:55  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/19/18 16:34  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

*nw 2/13/18*



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-03  
Client ID: CTMMW-02\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 09:55  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatiles Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	88		41-149



NW 8/13/18

4

Serial\_No:03221817:35

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-04  
 Client ID: MW-1\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 10:45  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/19/18 16:59  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS - Westborough Lab**

Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1



NW 8/13/18

4

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-04

Date Collected: 03/15/18 10:45

Client ID: MW-1\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatle Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	84		41-149



NW 8/13/18

5

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-05  
Client ID: CTMMW-04\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 11:45  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D  
Analytical Date: 03/19/18 13:10  
Analyst: ALS

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:34

Parameter Result Qualifier Units RL MDL Dilution Factor

Semivolatle Organics by GC/MS - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

*nw 8/13/18*



5

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-05  
Client ID: CTMMW-04\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 11:45  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatle Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	80		41-149

NW 8/13/18



6

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-06
Client ID: CTMMW-06\_2018.03.15
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:00
Date Received: 03/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/19/18 17:25
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 03/18/18 02:34

Parameter Result Qualifier Units RL MDL Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Lists various chemical compounds and their detection results.

NW 8/13/18



6

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-06  
 Client ID: CTMMW-06\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:00  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatiles Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	1.1	J	ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	72		41-149

NW 2/13/18

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-07  
 Client ID: CTMMW-03\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:15  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/19/18 17:50  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	2.1	J	ug/l	3.0	0.91	1
Butyl benzyl phthalate	2.6	J	ug/l	5.0	1.3	1
Di-n-butylphthalate	1.3	J	ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	1.6	J	ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-07  
Client ID: CTMMW-03\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:15  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	98		41-149

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-08  
 Client ID: MW-2\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 13:30  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/19/18 18:16  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-08

Date Collected: 03/15/18 13:30

Client ID: MW-2\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	91		41-149

*uw 8/13/18*



9

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-09  
Client ID: CTMMW-05\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 12:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Matrix: Water  
Analytical Method: 1,8270D  
Analytical Date: 03/19/18 18:41  
Analyst: ALS

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

NW 8/13/18



9

Serial\_No:03221817:35

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-09  
 Client ID: CTMMW-05\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 12:00  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatle Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	91		41-149

NW 8/13/18



10

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-10  
Client ID: CTMMW-01\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:30  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D  
Analytical Date: 03/19/18 19:07  
Analyst: ALS

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1



NW 8/13/18

10

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-10  
Client ID: CTMMW-01\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:30  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	92		41-149

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

## SAMPLE RESULTS

Lab ID: L1808955-11  
 Client ID: ED01\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 15:45  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/19/18 19:32  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

## Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-11  
**Client ID:** ED01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 15:45  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	95		41-149

*nw 2/13/18*



**Project Name:** MASTER CLEANERS**Lab Number:** L1808955**Project Number:** 16.6345**Report Date:** 03/22/18**SAMPLE RESULTS**

Lab ID: L1808955-12  
 Client ID: FD01\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 00:00  
 Date Received: 03/15/18  
 Field Prep: Not Specified

**Sample Depth:**

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/19/18 19:58  
 Analyst: ALS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatiles Organics by GC/MS - Westborough Lab**

Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

12

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-12

Date Collected: 03/15/18 00:00

Client ID: FD01\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	90		41-149

NW 8/13/18





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-01  
**Client ID:** MW-3\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 14:50  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 03/19/18 15:21  
**Analyst:** DV

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	<del>27</del> 24	E	ug/l	<del>0.10</del> 0.20	<del>0.04</del> 0.09	<del>1</del> 2
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.57		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-01 D

Date Collected: 03/15/18 14:50

Client ID: MW-3\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 03/18/18 02:38

Analytical Date: 03/21/18 11:43

Analyst: KL

*use original*

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Naphthalene	24		ug/l	0.20	0.09	2
-------------	----	--	------	------	------	---

*NW 8/13/18*



2

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-02  
Client ID: MW-4\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/19/18 15:46  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	1.7		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.13		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



2

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-02  
Client ID: MW-4\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/22/18 02:54  
Analyst: TJ

Extraction Method: EPA 3510C  
Extraction Date: 03/19/18 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>1,4 Dioxane by 8270D-SIM - Mansfield Lab</b>						
1,4-Dioxane	196.		ng/l	167	83.3	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			27		15-110	

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-03  
Client ID: CTMMW-02\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 09:55  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/19/18 16:11  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1



NW 8/13/18

4

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-04  
Client ID: MW-1\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 10:45  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/19/18 16:36  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



5

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-05  
Client ID: CTMMW-04\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 11:45  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/19/18 17:00  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



5

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-05  
Client ID: CTMMW-04\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 11:45  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/22/18 03:17  
Analyst: TJ

Extraction Method: EPA 3510C  
Extraction Date: 03/19/18 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>1,4 Dioxane by 8270D-SIM - Mansfield Lab</b>						
1,4-Dioxane	91.4	J	ng/l	153	76.5	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			20		15-110	

NW 8/13/18



6

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-06  
Client ID: CTMMW-06\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/21/18 13:01  
Analyst: KL

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.08	J	ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	29		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	0.13		ug/l	0.10	0.04	1
Phenanthrene	0.28		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	1.3		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-07  
 Client ID: CTMMW-03\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:15  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/20/18 09:20  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS-SIM - Westborough Lab**

Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	5.8		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.05	J	ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.07	J	ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	0.07	J	ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.06	J	ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.32		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

*NW 8/13/18*



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-08  
Client ID: MW-2\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 13:30  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/20/18 09:45  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Semivolatile Organics by GC/MS-SIM - Westborough Lab**

Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.22		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



9

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-09  
Client ID: CTMMW-05\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 12:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/20/18 10:10  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

nw 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-10  
Client ID: CTMMW-01\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:30  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/20/18 10:35  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



10

Serial\_No:03221817:35

**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-10  
**Client ID:** CTMMW-01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 14:30  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 03/22/18 04:24  
**Analyst:** TJ

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/19/18 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	147	73.5	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			22		15-110	

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-11  
**Client ID:** ED01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 15:45  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 03/20/18 11:00  
**Analyst:** DV

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-11  
**Client ID:** ED01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 15:45  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 03/22/18 04:46  
**Analyst:** TJ

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/19/18 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	156	78.1	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			22		15-110	

*NW 8/13/18*



12

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-12  
Client ID: FD01\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 00:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/20/18 11:25  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 02:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

NW 8/13/18



12

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-12  
Client ID: FD01\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 00:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 03/22/18 05:08  
Analyst: TJ

Extraction Method: EPA 3510C  
Extraction Date: 03/19/18 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	75.0	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			20		15-110	

NW 8/13/18





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-01  
**Client ID:** MW-3\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 14:50  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/20/18 05:17  
**Analyst:** WR

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/18/18 09:47  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/19/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	80		30-150	B

*NW 8/13/18*



2

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-02  
Client ID: MW-4\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8082A  
Analytical Date: 03/20/18 05:29  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 09:47  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/19/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/19/18

Parameter Result Qualifier Units RL MDL Dilution Factor Column  
Polychlorinated Biphenyls by GC - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	67		30-150	B

NW 8/13/19



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-03  
Client ID: CTMMW-02\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 09:55  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:

Matrix: Water  
Analytical Method: 1,8082A  
Analytical Date: 03/20/18 05:41  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 09:47  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/19/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	0.061	J	ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	0.061	J	ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	56		30-150	B

NW 8/13/18



4

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-04  
Client ID: MW-1\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 10:45  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8082A  
Analytical Date: 03/20/18 05:54  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 09:47  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/19/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/19/18

Parameter Result Qualifier Units RL MDL Dilution Factor Column  
Polychlorinated Biphenyls by GC - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	72		30-150	B

NW 8/13/15



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-05  
 Client ID: CTMMW-04\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 11:45  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 03/20/18 06:06  
 Analyst: WR

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 09:47  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/19/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	0.036	J	ug/l	0.083	0.035	1	B
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	0.036	J	ug/l	0.083	0.017	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	74		30-150	B

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-06  
 Client ID: CTMMW-06\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:00  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 03/20/18 06:43  
 Analyst: WR

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/18 11:44  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/19/18  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	0.110		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	0.110		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	73		30-150	B

NW 8/13/18



7

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-07  
Client ID: CTMMW-03\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 17:15  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8082A  
Analytical Date: 03/20/18 06:56  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 11:44  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/19/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	83		30-150	B

NW 8/13/18



**Project Name:** MASTER CLEANERS

**Lab Number:** L1808955

**Project Number:** 16.6345

**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-08  
**Client ID:** MW-2\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 13:30  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/20/18 07:08  
**Analyst:** WR

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/18/18 11:44  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/19/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	88		30-150	B

9

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-09  
Client ID: CTMMW-05\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 12:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8082A  
Analytical Date: 03/20/18 07:20  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 11:44  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/19/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	0.185		ug/l	0.083	0.035	1	B
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	0.185		ug/l	0.083	0.017	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	75		30-150	B

NW 8/13/18



Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-10  
Client ID: CTMMW-01\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:30  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8082A  
Analytical Date: 03/20/18 07:33  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 11:44  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/19/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
-----------	--------	-----------	-------	----	-----	-----------------	--------

Polychlorinated Biphenyls by GC - Westborough Lab

Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
-----------	------------	-----------	---------------------	--------

2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	66		30-150	B

NW 8/13/18



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-11  
**Client ID:** ED01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 15:45  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/20/18 07:45  
**Analyst:** WR

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/18/18 11:44  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/19/18  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	69		30-150	B

*NW 8/13/18*



12

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-12  
Client ID: FD01\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 00:00  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8082A  
Analytical Date: 03/20/18 07:57  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/18/18 11:44  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/19/18  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
-----------	--------	-----------	-------	----	-----	-----------------	--------

Polychlorinated Biphenyls by GC - Westborough Lab

Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	0.042	J	ug/l	0.083	0.035	1	B
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	0.042	J	ug/l	0.083	0.017	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	81		30-150	B

NW 0/13/18





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-01  
 Client ID: MW-3\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:50  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	22.6		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Antimony, Total	0.00154	u J	mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Arsenic, Total	0.02174		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Barium, Total	0.4910		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00282		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00177		mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Calcium, Total	591.		mg/l	2.00	0.788	20	03/17/18 13:30	03/20/18 18:24	EPA 3005A	1,6020A	AM
Chromium, Total	0.02783		mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Cobalt, Total	0.02847		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Copper, Total	0.07048		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Iron, Total	51.5		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Lead, Total	0.03255		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Magnesium, Total	74.4	J	mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Manganese, Total	6.422	J	mg/l	0.00100	0.00044	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:35	EPA 7470A	1,7470A	EA
Nickel, Total	0.05761		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Potassium, Total	3.12		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Selenium, Total	0.0271		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Sodium, Total	59.0	J	mg/l	0.100	0.0293	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Thallium, Total	0.00019	J	mg/l	0.00050	0.00014	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Vanadium, Total	0.06824		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM
Zinc, Total	0.1366		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 15:10	EPA 3005A	1,6020A	AM



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-02  
 Client ID: MW-4\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:00  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	43.6		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Antimony, Total	0.00081	u x	mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Arsenic, Total	0.02854		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Barium, Total	1.577		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00512		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00277		mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Calcium, Total	1490		mg/l	2.00	0.788	20	03/17/18 13:30	03/20/18 18:28	EPA 3005A	1,6020A	AM
Chromium, Total	0.06651		mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Cobalt, Total	0.05871		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Copper, Total	0.1631		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Iron, Total	119.		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Lead, Total	0.08840		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Magnesium, Total	153.	J	mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Manganese, Total	8.030	J	mg/l	0.00100	0.00044	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Mercury, Total	0.00061		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:36	EPA 7470A	1,7470A	EA
Nickel, Total	0.1101		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Potassium, Total	6.95		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Selenium, Total	0.0403		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Silver, Total	0.00024	J	mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Sodium, Total	83.8	J	mg/l	0.100	0.0293	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Thallium, Total	0.00052		mg/l	0.00050	0.00014	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Vanadium, Total	0.1369		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM
Zinc, Total	0.2525		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 15:14	EPA 3005A	1,6020A	AM



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-03  
**Client ID:** CTMMW-02\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 09:55  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	1.24		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Antimony, Total	0.00096	u J	mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00375		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Barium, Total	0.2775		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00010	J	mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00013	J	mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Calcium, Total	198.		mg/l	0.100	0.0394	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Chromium, Total	0.00474		mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00173		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Copper, Total	0.00716		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Iron, Total	5.23		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Lead, Total	0.02105		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Magnesium, Total	29.5	J	mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Manganese, Total	0.7125	J	mg/l	0.00100	0.00044	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:42	EPA 7470A	1,7470A	EA
Nickel, Total	0.00397		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Potassium, Total	13.7		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Sodium, Total	738.	J	mg/l	2.00	0.586	20	03/17/18 13:30	03/20/18 18:32	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Vanadium, Total	0.00418	J	mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM
Zinc, Total	0.01924		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 15:18	EPA 3005A	1,6020A	AM



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-04  
 Client ID: MW-1\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 10:45  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	14.7		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Antimony, Total	0.00060	u ✓	mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Arsenic, Total	0.01600		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Barium, Total	0.7008		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00156		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00077		mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Calcium, Total	644.		mg/l	2.00	0.788	20	03/17/18 13:30	03/20/18 18:36	EPA 3005A	1,6020A	AM
Chromium, Total	0.02104		mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Cobalt, Total	0.01622		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Copper, Total	0.04624		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Iron, Total	37.8		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Lead, Total	0.02608		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Magnesium, Total	114.	J	mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Manganese, Total	2.534	J	mg/l	0.00100	0.00044	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:43	EPA 7470A	1,7470A	EA
Nickel, Total	0.03132		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Potassium, Total	5.43		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Selenium, Total	0.0111		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Silver, Total	0.00032	J	mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Sodium, Total	476.	J	mg/l	0.100	0.0293	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Thallium, Total	0.00018	J	mg/l	0.00050	0.00014	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Vanadium, Total	0.04722		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM
Zinc, Total	0.08400		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 15:22	EPA 3005A	1,6020A	AM



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-05  
**Client ID:** CTMMW-04\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 11:45  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	13.0		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Antimony, Total	0.00196	u j	mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Arsenic, Total	0.01158		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Barium, Total	0.1908		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00140		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Calcium, Total	147		mg/l	0.100	0.0394	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Chromium, Total	0.01524		mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Cobalt, Total	0.01132		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Copper, Total	0.02816		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Iron, Total	26.3		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Lead, Total	0.01159		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Magnesium, Total	21.4	J	mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Manganese, Total	0.6582	J	mg/l	0.00100	0.00044	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:23	EPA 7470A	1,7470A	EA
Nickel, Total	0.02391		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Potassium, Total	2.99		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Selenium, Total	0.0118		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Sodium, Total	35.2	J	mg/l	0.100	0.0293	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Vanadium, Total	0.02862		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM
Zinc, Total	0.07221		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 14:42	EPA 3005A	1,6020A	AM



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-06  
**Client ID:** CTMMW-06\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 17:00  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	26.6		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Antimony, Total	0.00051	u ✓	mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Arsenic, Total	0.02800		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Barium, Total	1.024		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00499		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00125		mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Calcium, Total	751.		mg/l	2.00	0.788	20	03/17/18 13:30	03/20/18 18:40	EPA 3005A	1,6020A	AM
Chromium, Total	0.03220		mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Cobalt, Total	0.06219		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Copper, Total	0.1015		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Iron, Total	86.6		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Lead, Total	0.05186		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Magnesium, Total	102.	J	mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Manganese, Total	11.28	J	mg/l	0.02000	0.00880	20	03/17/18 13:30	03/20/18 18:40	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:45	EPA 7470A	1,7470A	EA
Nickel, Total	0.09073		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Potassium, Total	4.88		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Selenium, Total	0.0324		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Sodium, Total	106.	J	mg/l	0.100	0.0293	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Thallium, Total	0.00019	J	mg/l	0.00050	0.00014	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Vanadium, Total	0.08279		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM
Zinc, Total	0.1604		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 15:25	EPA 3005A	1,6020A	AM



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-07  
**Client ID:** CTMMW-03\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 17:15  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	47.6		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Arsenic, Total	0.02316		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Barium, Total	1.598		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00944		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00205		mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Calcium, Total	1100		mg/l	2.00	0.788	20	03/17/18 13:30	03/20/18 18:44	EPA 3005A	1,6020A	AM
Chromium, Total	0.06054		mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Cobalt, Total	0.06578		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Copper, Total	0.1126		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Iron, Total	95.0		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Lead, Total	0.08589		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Magnesium, Total	110. J		mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Manganese, Total	11.49 J		mg/l	0.02000	0.00880	20	03/17/18 13:30	03/20/18 18:44	EPA 3005A	1,6020A	AM
Mercury, Total	0.00013	J	mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:47	EPA 7470A	1,7470A	EA
Nickel, Total	0.09869		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Potassium, Total	11.3		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Selenium, Total	0.0361		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Silver, Total	0.00018	J	mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Sodium, Total	66.9 J		mg/l	0.100	0.0293	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Thallium, Total	0.00036	J	mg/l	0.00050	0.00014	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Vanadium, Total	0.1241		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM
Zinc, Total	0.2070		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 15:29	EPA 3005A	1,6020A	AM





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-08  
**Client ID:** MW-2\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 13:30  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	26.5		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Antimony, Total	0.00049	u J	mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Arsenic, Total	0.02578		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Barium, Total	1.082		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00348		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00159		mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Calcium, Total	1420		mg/l	2.00	0.788	20	03/17/18 13:30	03/20/18 18:48	EPA 3005A	1,6020A	AM
Chromium, Total	0.04268		mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Cobalt, Total	0.04688		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Copper, Total	0.09135		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Iron, Total	93.1		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Lead, Total	0.05560		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Magnesium, Total	123.	J	mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Manganese, Total	9.639	J	mg/l	0.00100	0.00044	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:48	EPA 7470A	1,7470A	EA
Nickel, Total	0.07467		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Potassium, Total	6.04		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Selenium, Total	0.0276		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Sodium, Total	19.0	J	mg/l	0.100	0.0293	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Thallium, Total	0.00028	J	mg/l	0.00050	0.00014	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Vanadium, Total	0.08811		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM
Zinc, Total	0.1583		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 15:33	EPA 3005A	1,6020A	AM



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-09  
**Client ID:** CTMMW-05\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 12:00  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5.63		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00510		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Barium, Total	0.03204		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00038	J	mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00018	J	mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Calcium, Total	61.0		mg/l	0.100	0.0394	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Chromium, Total	0.00810		mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00386		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Copper, Total	0.01370		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Iron, Total	13.6		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Lead, Total	0.00744		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Magnesium, Total	5.70 J		mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Manganese, Total	0.5814 J		mg/l	0.00100	0.00044	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:50	EPA 7470A	1,7470A	EA
Nickel, Total	0.01019		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Potassium, Total	2.48		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Selenium, Total	0.00227	J	mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Sodium, Total	12.6 J		mg/l	0.100	0.0293	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Vanadium, Total	0.01201		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM
Zinc, Total	0.02927		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 15:37	EPA 3005A	1,6020A	AM



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-10  
 Client ID: CTMMW-01\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:30  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.0250		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Antimony, Total	0.00045	u J	mg/l	0.00400	0.00042	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00175		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Barium, Total	0.2497		mg/l	0.00250	0.00086	5	03/17/18 13:30	03/21/18 12:11	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Calcium, Total	307.		mg/l	0.100	0.0394	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Chromium, Total	0.00047	u J	mg/l	0.00100	0.00017	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00089		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Copper, Total	0.00061	J	mg/l	0.00100	0.00038	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Iron, Total	4.87		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00500	0.00171	5	03/17/18 13:30	03/21/18 12:11	EPA 3005A	1,6020A	AM
Magnesium, Total	27.4	J	mg/l	0.0700	0.0242	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Manganese, Total	4.631	J	mg/l	0.00100	0.00044	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:52	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Potassium, Total	12.9		mg/l	0.100	0.0309	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Sodium, Total	1590	J	mg/l	0.500	0.146	5	03/17/18 13:30	03/21/18 12:11	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00250	0.00071	5	03/17/18 13:30	03/21/18 12:11	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/20/18 16:24	EPA 3005A	1,6020A	AM



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-11  
**Client ID:** ED01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 15:45  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Calcium, Total	0.0743	J	mg/l	0.100	0.0394	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Chromium, Total	0.00041	J	mg/l	0.00100	0.00017	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:54	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Sodium, Total	0.300	J	mg/l	0.100	0.0293	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/21/18 12:15	EPA 3005A	1,6020A	AM



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-12  
**Client ID:** FD01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 00:00  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.0291		mg/l	0.0100	0.00327	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Antimony, Total	0.00055	u J	mg/l	0.00400	0.00042	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00180		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Barium, Total	0.2550		mg/l	0.00050	0.00017	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Calcium, Total	308.		mg/l	0.100	0.0394	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Chromium, Total	0.00073	u J	mg/l	0.00100	0.00017	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00106		mg/l	0.00050	0.00016	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Copper, Total	0.00068	J	mg/l	0.00100	0.00038	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Iron, Total	4.91		mg/l	0.0500	0.0191	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Magnesium, Total	27.0	J	mg/l	0.0700	0.0242	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Manganese, Total	4.607	J	mg/l	0.00100	0.00044	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:55	EPA 7470A	1,7470A	EA
Nickel, Total	0.00063	J	mg/l	0.00200	0.00055	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Potassium, Total	12.9		mg/l	0.100	0.0309	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Sodium, Total	1640	J	mg/l	2.00	0.586	20	03/17/18 13:30	03/21/18 11:55	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/17/18 13:30	03/21/18 11:51	EPA 3005A	1,6020A	AM





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-01  
**Client ID:** MW-3\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 14:50  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/18/18 14:35	03/19/18 13:58	1,9010C/9012B	LH



*NW 8/13/18*

2

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-02

Date Collected: 03/15/18 14:00

Client ID: MW-4\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/18/18 14:35	03/19/18 14:04	1,9010C/9012B	LH



NW 8/13/18

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-03  
Client ID: CTMMW-02\_2018.03.15  
Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 09:55  
Date Received: 03/15/18  
Field Prep: Not Specified

Sample Depth:  
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 14:53	1,9010C/9012B	LH



NW 8/13/18

4

Serial\_No:03221817:35

Project Name: MASTER CLEANERS

Lab Number: L1808955

Project Number: 16.6345

Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1808955-04

Date Collected: 03/15/18 10:45

Client ID: MW-1\_2018.03.15

Date Received: 03/15/18

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 14:54	1,9010C/9012B	LH



MW 8/13/18

5

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-05  
**Client ID:** CTMMW-04\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 11:45  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 14:55	1,9010C/9012B	LH



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-06  
**Client ID:** CTMMW-06\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 17:00  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 15:00	1,9010C/9012B	LH



*nw 8/13/19*

7

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-07  
**Client ID:** CTMMW-03\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 17:15  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 15:01	1,9010C/9012B	LH



NW 8/13/18

8

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-08  
**Client ID:** MW-2\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 13:30  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 15:02	1,9010C/9012B	LH



NW 8/13/18

9

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-09  
**Client ID:** CTMMW-05\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 12:00  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 15:03	1,9010C/9012B	LH



NW 8/13/18

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

Lab ID: L1808955-10  
 Client ID: CTMMW-01\_2018.03.15  
 Sample Location: GUILDERLAND, NY

Date Collected: 03/15/18 14:30  
 Date Received: 03/15/18  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 15:04	1,9010C/9012B	LH



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-11  
**Client ID:** ED01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 15:45  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 15:05	1,9010C/9012B	LH



NW 8/13/18

12

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808955  
**Report Date:** 03/22/18

**SAMPLE RESULTS**

**Lab ID:** L1808955-12  
**Client ID:** FD01\_2018.03.15  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 03/15/18 00:00  
**Date Received:** 03/15/18  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	03/19/18 11:10	03/19/18 15:06	1,9010C/9012B	LH



NW 8/13/18

**DATA USABILITY SUMMARY REPORT  
MASTER CLEANERS, GUILDERLAND, NEW YORK**

Client: C.T. Male Associates, Latham, New York  
 SDG: L1808113  
 Laboratory: Alpha Analytical, Westborough, Massachusetts  
 Site: Master Cleaners, Guilderland, New York  
 Date: August 18, 2018

EDS ID	Client ID	Laboratory ID	Matrix
1	SV01_2018.03.08	L1808113-01	Air
2	SV02_2018.03.08	L1808113-02	Air
3	SV03_2018.03.08	L1808113-03	Air
4	SV04_2018.03.08	L1808113-04	Air
5*	OA01_2018.03.08	L1808113-05	Air

\* - Includes VOC-SIM

A Data Usability Summary Review was performed on the analytical data for five air samples collected on March 8, 2018 by CT Male at the Master Cleaners site in Guilderland, New York. The samples were analyzed under “*Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition January 1999, EPA/625/R-96/010B*”, Compendium Method TO-15, “*Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)*”.

Specific method references are as follows:

<u>Analysis</u>	<u>Method References</u>
VOCs	USEPA Method TO-15
VOCs	USEPA Method TO-15 SIM

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-31, Revision 6, September 2016: Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15.

***Organics***

The following items/criteria were reviewed for this report:

- Data Completeness

- Cover letter, Narrative, and Data Reporting Forms
- Canister Certification Blanks
- Canister Certification Pressures Differences
- Chains-of-Custody and Traffic Reports
- Holding Times and sample preservation
- Laboratory Control Sample (LCS) recoveries
- GC/MS Tuning
- Method and Field Blank Contamination
- Initial and Continuing Calibration Summaries
- Compound Quantitation
- Internal Standard (IS) Area Performance
- Field Duplicate Sample Precision

### **Data Usability Assessment**

There were no rejections of data.

Overall the data is acceptable for the intended purposes. There were no qualifications.

### **Data Completeness**

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

### **Cover letter, Narrative, and Data Reporting Forms**

- All criteria were met

### **Canister Certification Blanks**

- The batch blank checks were non-detect or < RL.

### **Canister Certification Pressures Differences**

- All criteria were met.

### **Chains-of-Custody and Traffic Reports**

- All criteria were met

**Holding Times**

- All samples were analyzed within 30 days for air samples.

**Laboratory Control Samples**

- The LCS samples exhibited acceptable percent recoveries (%R).

**GC/MS Tuning**

- All criteria were met.

**Method Blank**

- The method blanks were free of contamination.

**Field Blank**

- Field QC samples were not collected.

**Initial Calibration**

- The following table presents compounds that exceeded 30 percent relative standard deviation (%RSD) and/or average RRF values <0.05 in the initial calibration (ICAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %RSD may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
02/26/18	Isopropyl Alcohol	37.29%	J/UJ	All Samples

**Continuing Calibration**

- The continuing calibrations exhibited acceptable %D and RRF values.

### Compound Quantitation

- EDS Sample ID #s 1 and 2 were analyzed at a 5X and a 10X dilution, respectively, due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

### Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

### Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed:  Dated: 8/23/18  
Nancy Weaver  
Senior Chemist

<b>Data Qualifier</b>	<b>Definition</b>
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-01 D  
 Client ID: SV01\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/15/18 08:03  
 Analyst: RY

Date Collected: 03/08/18 14:02  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	1.10	1.00	--	2.81	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethyl Alcohol	ND	25.0	--	ND	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	19.3	5.00	--	45.8	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
iso-Propyl Alcohol	<del>ND</del> uJ	2.50	--	<del>ND</del> uJ	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
tert-Butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	ND	2.50	--	ND	7.37	--		5
cis-1,2-Dichloroethene	5.38	1.00	--	21.3	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-01 D  
 Client ID: SV01\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:02  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	1.50	1.00	--	4.79	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	8.63	1.00	--	46.4	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	1.54	1.00	--	5.80	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	321	1.00	--	2180	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5
p/m-Xylene	ND	2.00	--	ND	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-01 D  
 Client ID: SV01\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:02  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	ND	1.00	--	ND	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140



*NW 8/13/18*

**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-02 D  
 Client ID: SV02\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/15/18 01:33  
 Analyst: RY

Date Collected: 03/08/18 14:03  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethyl Alcohol	ND	50.0	--	ND	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	ND	10.0	--	ND	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
iso-Propyl Alcohol	ND UJ	5.00	--	ND UJ	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
tert-Butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	15.5	2.00	--	61.5	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	ND	5.00	--	ND	14.7	--		10
cis-1,2-Dichloroethene	264	2.00	--	1050	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-02 D  
 Client ID: SV02\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:03  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	ND	2.00	--	ND	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	213	2.00	--	1140	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	ND	2.00	--	ND	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	ND	2.00	--	ND	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	569	2.00	--	3860	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-02 D  
 Client ID: SV02\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:03  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	134		60-140
Bromochloromethane	112		60-140
chlorobenzene-d5	116		60-140



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-03  
 Client ID: SV03\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/15/18 02:06  
 Analyst: RY

Date Collected: 03/08/18 14:05  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.672	0.200	--	3.32	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	<del>ND</del> uJ	0.500	--	<del>ND</del> uJ	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.281	0.200	--	0.875	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-03  
 Client ID: SV03\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:05  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Chloroform	0.226	0.200	--	1.10	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.706	0.200	--	2.49	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.12	0.200	--	7.59	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-03  
 Client ID: SV03\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:05  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	104		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	96		60-140



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-04  
 Client ID: SV04\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/15/18 03:11  
 Analyst: RY

Date Collected: 03/08/18 14:06  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.301	0.200	--	1.49	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	5.39	5.00	--	10.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.44	1.00	--	22.4	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND UJ	0.500	--	ND UJ	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.928	0.200	--	2.89	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.825	0.500	--	2.43	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-04  
 Client ID: SV04\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:06  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Chloroform	1.18	0.200	--	5.76	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.266	0.200	--	0.937	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.327	0.200	--	1.23	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	12.3	0.200	--	83.4	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-04  
 Client ID: SV04\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:06  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-05  
 Client ID: OA01\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/14/18 19:39  
 Analyst: RY

Date Collected: 03/08/18 14:08  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.428	0.200	--	2.12	0.989	--		1
Chloromethane	0.706	0.200	--	1.46	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	30.9	5.00	--	58.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.87	1.00	--	11.6	2.38	--		1
Trichlorofluoromethane	0.271	0.200	--	1.52	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
tert-Butyl Alcohol	ND UJ	0.500	--	ND UJ	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-05  
 Client ID: OA01\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:08  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.223	0.200	--	0.840	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1



**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-05  
 Client ID: OA01\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:

Date Collected: 03/08/18 14:08  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	86		60-140





**Project Name:** MASTER CLEANERS  
**Project Number:** 16.6345

**Lab Number:** L1808113  
**Report Date:** 03/15/18

**SAMPLE RESULTS**

Lab ID: L1808113-05  
 Client ID: OA01\_2018.03.08  
 Sample Location: GUILDERLAND, NY  
 Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 03/14/18 19:39  
 Analyst: RY

Date Collected: 03/08/18 14:08  
 Date Received: 03/08/18  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air by SIM - Mansfield Lab</b>								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.100	0.020	--	0.678	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	74		60-140
bromochloromethane	78		60-140
chlorobenzene-d5	86		60-140



NW 8/13/18

**EXHIBIT C**  
**PREVIOUS INVESTIGATIONS**

November 30, 2015

Ms. Teri Bohl  
c/o Charles Bohl  
Charles Bohl, Inc.  
P.O. Box 59  
Guilderland, NY 12084

**RE: Phase 2 Subsurface Investigation Report  
Parcel No. 40.17-2-12  
2312 Western Ave.  
Guilderland, NY 12084  
NYSDEC Spill No. 15-07597**

Dear Ms. Bohl:

PS Property Solutions, Inc. (Property Solutions) has prepared the following correspondence to summarize the environmental investigation (Phase 2) activities performed at the above referenced site (the Property) on October 20, 2015 and November 2, 2015 (**Appendix A - Figure 1**). The purpose of this environmental work was to determine whether the subsurface soil and/or groundwater at the subject Property have been impacted by its former use as a dry cleaning business. The environmental activities performed as part of this are shown below.

- The scope of work on October 20, 2015 consisted of advancement of four (4) soil borings (all of which were converted into one [1]-inch diameter monitoring wells), field screening of soil, logging/classification of soil, and collection of four (4) soil samples for laboratory analysis.
- The scope of work on November 2, 2015 consisted of gauging, purging, and sampling of the four (4) monitoring wells installed on October 20, 2015 at the Property.

The results of the investigation and sampling activities indicated that concentrations of volatile organic compounds (VOCs) were detected in the soil and groundwater at the Property in at least three (3) of the four (4) soil borings / monitoring wells installed. As such, a recommendation for additional investigation will be made. A photographic log of the investigation activities performed at the Property is attached (**Appendix B**).

#### Property Notes

The subject Property is a 0.43+/- acre parcel containing a former dry cleaning business. Based on a very rudimentary review, the Property appears to have been used as a dry cleaner from approximately 1956 until 1996. The surrounding area generally consists of mixed commercial / residential sites (**Appendix A - Figure 2**). Municipal water services, along with natural gas services, are available at the Property and appear to be connected to the building. Municipal sewer services are available, but it was not identified whether the subject Property building is connected.

#### **Subsurface Investigation**

On October 20, 2015, Property Solutions oversaw the advancement of four (4) soil borings (SB-1 through SB-4) at the Property (**Appendix A - Figure 3**; **Appendix B - Photographs 1 through 4**). Summit Drilling, Inc. of Latham, New York, performed drilling and subsurface macrocore soil sampling duties. A track-mounted drilling rig was utilized during the soil boring and soil sampling activities. The soil borings were advanced using direct-push, dual-tube drilling methods. Prior to advancement of

each soil boring, a magnetometer was used to scan the subsurface for a general indication of metal objects. Based on the results of the magnetometer scans, the locations of the soil borings may have been modified in the field based on conditions. The subsurface investigation targeted the four (4) exterior sides of the former dry cleaning business building. This included: the north side of the Property, along Western Ave. (soil boring SB-1); the western/southwestern side (soil boring SB-2); the southern side (soil boring SB-3); and, the eastern/southeastern side (soil boring SB-4).

All four (4) of the soil borings were converted into one (1)-inch outside diameter monitoring wells. Each of the monitoring wells was constructed of schedule 40 PVC 10-slot well screen and solid riser. The annular space between the monitoring well screen and borehole wall was filled with grade 0 sand. A bentonite seal was emplaced near the top of the casing of the monitoring well and then hydrated. The base of the borehole for monitoring wells MW-2, MW-3, and MW-4 were sealed with granulated bentonite. A more detailed description of the construction of the monitoring wells installed at the Property as part of this investigation is attached (**Appendix C**).

### Soil Headspace Screening

During borehole advancement, continuous sampling of the soil occurred in order to obtain depth-discrete soil samples for characterizing soil type and possible analytical testing. The soil samples were placed into airtight, re-sealable bags, and allowed to volatilize. After volatilization, soil headspace vapor concentrations from each sample were measured using a handheld photoionization detector (PID). The headspace of each container was then measured and the maximum concentration was recorded in parts per million (ppm). During the investigation, Property Solutions utilized a BW Technologies GasAlertMicro 5 PID with a 10.6 electro-volt lamp.

In general, the soil encountered during the drilling program consisted of fill material (silt, gravel, sand) from underneath the asphalt (when applicable) to about three (3) feet below grade (fbg). From around that depth until roughly between 20 and 30 fbg, very fine-grained sand and silt was present. From around those depths until the termination of each soil boring, silt, very fine-grained sand, and small amounts of clay was documented. Silt content appeared to increase with depth in all soil borings. Suspected groundwater was observed between six (6) to 10 fbg in the soil borings during their advancement.

During drilling, the soil headspace readings recorded by the PID were non-detectable (i.e., 0 ppm) throughout soil boring SB-1. PID readings in the other soil borings maximized at 95 ppm (SB-2, approximately 20 to 25 fbg); 250 ppm (SB-3; approximately 10 to 13 fbg); and, 150 ppm (SB-4; approximately 10 to 15 fbg). Due to the suspected staining, odors, and/or elevated PID readings observed and recorded during advancement of three (3) of the four (4) of the soil borings, the New York State Department of Environmental Conservation (NYSDEC) Spills Hotline was contacted and NYSDEC Spill No. 15-07597 was assigned.

### Soil Sampling

Four (4) soil samples were retained for laboratory analysis from the soil borings advanced on October 20, 2015. To confirm the non-detectable PID readings recorded during advancement of soil boring SB-1, a soil sample was collected from the bottom of the borehole (around 35 to 40 fbg). From the remaining soil borings (SB-2, SB-3, and SB-4), the sampling interval exhibiting the highest PID readings was submitted for laboratory analysis.

The soil samples were placed on ice and sent under a proper chain of custody to Alpha Analytical, Inc. (Alpha), in Westborough, Massachusetts. The soil samples were analyzed within applicable holding times. The soil samples were analyzed for VOCs via EPA Method 8260, and for semi-VOCs via EPA Method 8270.

### Laboratory Soil Analytical Results

The laboratory soil analytical results (**Appendix D - Table 1**), as compared to the NYSDEC Subpart 375 6.8(a) - Soil Cleanup Objectives (SCO) for Unrestricted Use, indicated that the samples from soil boring SB-1 recorded VOCs above applicable SCO (total VOCs concentrations 10,340 parts per billion [ppb]). This laboratory analytical result does not concur with the observations (both olfactory and visual) and PID readings in the field, where no suspected evidence of significant impacts were observed or recorded during advancement of soil boring SB-1. As such, this laboratory analytical result for the soil sample from soil boring SB-1 may be the result of a sample/label switch or similar instance, and does not appear to be representative of the environmental conditions in this soil boring. This is supported by the non-detectable follow-up groundwater sample results from this borehole (to be discussed).

The remaining soil samples recorded concentrations of VOCs above applicable NYSDEC SCO. Specifically, the laboratory analytical results for the soil sample collected from soil boring SB-2 recorded 63,630 ppb of total VOCs. The laboratory analytical results for the soil sample collected from soil boring SB-3 recorded 31,876 ppb of total VOCs. The laboratory analytical results for the soil sample collected from soil boring SB-4 recorded 8,740 ppb of total VOCs. The detected VOC compounds appear to consist of formerly-used dry cleaning fluid impacts and/or breakdown constituents. No semi-VOCs were detected in any of the soil samples analyzed. A hardcopy of the laboratory analytical report is attached (**Appendix E**).

### Monitoring Well Gauging

On November 2, 2015, Property Solutions gauged the monitoring wells (MW-1 through MW-4) at the Property. Prior to gauging, each monitoring well was opened and allowed to equilibrate to atmospheric conditions for approximately 10 minutes. A water level indicator, graduated to one hundredth of a foot (0.01'), was then used to measure the depth to groundwater in each monitoring well. The approximate depth to the water table in the monitoring wells averaged approximately five (5) to eight (8) fbg on November 2, 2015.

### Monitoring Well Sampling

After gauging, and prior to sampling, each of the newly-installed monitoring wells were purged of a minimum of three (3) casing volumes of groundwater using a new, disposable bailer. The groundwater samples were collected in pre-preserved (as applicable) laboratory supplied sampling containers, placed on ice, and delivered or sent under a proper chain of custody to Alpha. The groundwater samples for the samples collected from monitoring wells MW-1, MW-3, and MW-4 were analyzed for VOCs via EPA Method 8260. The groundwater sample from monitoring well MW-2 (the most impacted soil boring based on the previously referenced laboratory soil analytical results) was analyzed for VOCs EPA Method 8260 and for semi-VOCs via EPA Method 8270. All groundwater samples were analyzed within applicable holding times.

### Laboratory Groundwater Analytical Results

The laboratory groundwater analytical results (**Appendix D - Table 2**), as compared to the NYSDEC Class GA Groundwater Standards (6 NYCRR Part 703), indicated that the samples from monitoring wells MW-2, MW-3, and MW-4 recorded detections of VOCs above applicable NYSDEC Groundwater Standards (**Appendix A - Figure 4**). The majority of the VOCs detected are suspected historical dry cleaning fluids (e.g., chlorinated compounds), along with a few VOCs such as trimethylbenzenes (7.5 ppb) and xylenes (two [2] ppb). Specifically, monitoring well MW-2, installed along the western / southwestern side of the former dry cleaner building, recorded a total VOCs concentration of 25,554 ppb. Monitoring well MW-3, installed immediately to the south of the building, recorded a total VOCs

concentration of 204,000 ppb. Monitoring well MW-4, installed outside an overhead door along the eastern / southeastern side of the building, recorded a total VOCs concentration of 42,317 ppb. It should be noted that many of the laboratory reporting limits for the groundwater sample collected from monitoring well MW-3 were elevated (some were elevated above applicable NYSDEC Groundwater Standards). No VOC compounds were detected in the groundwater sample collected from monitoring well MW-1. No semi-VOC compounds were detected in the groundwater sample collected from monitoring well MW-2. A hardcopy of the laboratory analytical report is attached (Appendix E).

## Summary / Conclusion

- Four (4) soil borings (all of which were converted into one [1]-inch diameter temporary monitoring wells) were advanced/installed at the subject Property on October 20, 2015. A total of four (4) soil samples (one [1] from each borehole) were collected on that date and analyzed for the full suite of VOC and semi-VOC compounds. The samples were selected in order to confirm a non-impacted (based on PID, visual, and olfactory field indications) soil boring (soil boring SB-1); and, from the most impacted soil sampling intervals (based on field indications) of the remaining soil borings. The laboratory analytical results for the soil samples indicated VOCs above applicable NYSDEC SCOs in all soil borings. It should be noted, however, it is Property Solutions' opinion that the soil sample collected from soil boring SB-1 may have been inadvertently switched, mislabeled, and/or similar instance, as no field indications of significant impacts were noted during advancement of this borehole while in the field on October 20, 2015.
- On November 2, 2015, all four (4) monitoring wells at the subject Property were gauged, purged, and sampled. The samples collected from monitoring wells MW-1, MW-3, and MW-4 were analyzed for VOCs, while the sample from monitoring well MW-2 was analyzed for VOCs and semi-VOCs. The laboratory groundwater analytical results for the samples collected on that date indicated non-detectable VOC concentrations in the groundwater sample obtained from monitoring well MW-1, and elevated (i.e., above applicable NYSDEC standards) VOC concentrations in the groundwater samples obtained from the remaining monitoring wells.
- Based on the PID readings and the visual and olfactory indications in the field during the investigation, along with the laboratory analytical results for the groundwater samples, it is Property Solution's opinion that the most significant subsurface impacts at the Property in the areas investigated are in the groundwater and are mainly along the southern side of the former dry cleaner building. This high concentration of VOCs is suggestive of a possible source area (e.g., drywell or similar instance) in the vicinity. The lack of apparent impacts in the field during borehole advancement of soil boring SB-1, and the non-detectable groundwater results from the corresponding monitoring well (MW-1), suggest lesser, or a lack of, such VOC impacts in this area.

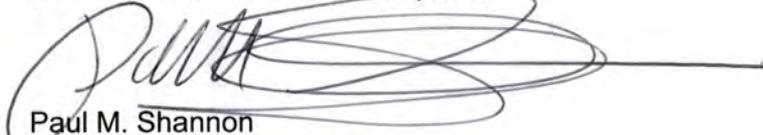
## Opinion

VOC impacts were identified in the soil and groundwater at the Property, especially along the southern, southeastern, and southwestern sides of the building, during the subsurface investigation and subsequent groundwater sampling. Based on the groundwater sample results and the observations (olfactory, visual, and/or PID readings) made in the field during the subsurface investigation, it is Property Solutions' opinion that the VOC impacts in the vicinity have not been sufficiently defined to characterize the nature and extent in the groundwater at the Property. Therefore, it is Property Solutions' opinion that additional delineation of the subsurface VOC impacts at the Property is warranted. As such, an addendum subsurface investigation, consisting of advancement of additional soil borings/monitoring wells and associated soil and groundwater sampling, is recommended.

If you have any questions or comments with regard to the information presented herein, please contact the undersigned at your convenience at (518) 223-0458 or (518) 932-9121.

Sincerely,

**PS PROPERTY SOLUTIONS, INC.**

A handwritten signature in dark ink, appearing to read 'P. Shannon', is written over a horizontal line. The signature is stylized and somewhat illegible.

Paul M. Shannon  
Senior Geologist / President

APPENDICES

- APPENDIX A – FIGURES
- APPENDIX B – PHOTOGRAPHIC LOG
- APPENDIX C – SOIL BORING LOGS
- APPENDIX D – TABLES
- APPENDIX E – LABORATORY ANALYTICAL REPORTS

cc: Mr. Matt Franklin, NYSDEC Region 4 Division of Environmental Remediation, 1130 North Westcott Rd.,  
Schenectady, NY 12306

## **APPENDIX A**

### **FIGURES**



Scale Not  
Determined

10 Catherine St. Ph: (518) 223-0458  
Hudson Falls, NY 12839 Cell: (518) 932-9121



paulshannon@yahoo.com  
pspropertiesolutions@albany.twcbc.com

PROPERTY SOLUTIONS, INC.

**Figure 1**  
**PROPERTY LOCATION MAP**  
Parcel No. 40.17-2-12  
2312 Western Ave.  
Guilderland, NY 12084  
NYSDEC Spill No. 15-07597  
(USGS)



Scale Not Determined

10 Catherine St.      Ph: (518) 223-0458  
Hudson Falls, NY 12839      Cell: (518) 932-9121  
paulmshannon@yahoo.com  
pspropertiesolutions@albany.twcbc.com

**PS**  
**PROPERTY SOLUTIONS, INC.**

**Figure 2**  
**AREA MAP**  
Parcel No. 40.17-2-12  
2312 Western Ave.  
Guilderland, NY 12084  
NYSDEC Spill No. 15-07597  
(GOOGLE Maps)



20 ft

Soil boring sizes not to scale  
SB: Soil Boring  
MW: Monitoring Well

10 Catherine St. Ph: (518) 223-0458  
Hudson Falls, NY 12839 Cell: (518) 932-9121  
paulshannon@yahoo.com  
pspropertiesolutions@albany.twcbc.com

**PS**  
**PROPERTY SOLUTIONS, INC.**

**Figure 3**  
**SOIL BORING/MONITORING WELL LOCATIONS**  
Parcel No. 40.17-2-12  
2312 Western Ave.  
Guilderland, NY 12084  
NYSDEC Spill No. 15-07597  
(BING Maps)





20 ft

Soil boring sizes not to scale

SB: Soil Boring

MW: Monitoring Well



PROPERTY SOLUTIONS, INC.

**Figure 4**

GROUNDWATER VOC DISTRIBUTION

Monitoring Wells

2312 Western Ave.

Guilderland, NY 12084

NYSDEC Spill No. 15-07597

(BING Maps)

10 Catherine St. Ph: (518) 223-0458  
Hudson Falls, NY 12839 Cell: (518) 932-9121

paulshannon@yahoo.com  
pspropertiesolutions@albany.twcbc.com

**APPENDIX B**

**PHOTOGRAPHIC LOG**



**Photograph #1 – Advancement of soil boring SB-1 (monitoring well MW-1) at subject Property on October 20, 2015. Facing westerly.**



**Photograph #2 – Advancement of soil boring SB-2 (monitoring well MW-2) at subject Property on October 20, 2015. Facing northerly.**



**Photograph #3 – Advancement of soil boring SB-3 (monitoring well MW-3) at subject Property on October 20, 2015. Facing westerly.**



**Photograph #4 – Advancement of soil boring SB-4 (monitoring well MW-4) at subject Property on October 20, 2015. Facing westerly.**

**APPENDIX C**

**SOIL BORING LOGS**

## SOIL BORING LOG

<b>PS</b> PROPERTY SOLUTIONS, INC. 10 Catherine St., Hudson Falls, New York 12839. Ph: (518) 223-0458; Cell: (518) 932-9121					BORING NO.: <b>SB-1 / MW-1</b>	
PROJECT: Phase 2 Subsurface Investigation					Sheet 1 of 1	
CLIENT: Charles Bohl, Inc.					Well Type: Monitoring	
SITE NAME: 2312 Western Ave., Guilderland, NY 12084					Total Depth: ~ 40 ft.	
DRILLING CONTRACTOR: Summit Drilling, Inc.					Screen: ~40-5 ft.	
DRILLING METHOD: Direct Push / Dual Tube					Riser: ~5 ft - grade	
SPILL NO. 15-07597			GRADE 0 SAND	RISER	SCREEN	BENTONITE
GROUNDWATER DEPTH: ~ 8 ft.						
MEASURING POINT: Grade			Diameter	1.0 "	1.0 "	Schedule 40 PVC
DATE OF MEASUREMENT: 11/2/15			Bentonite Seal	~ 1 - 5'	Filter	~ 5 - 40'
Inspector: Paul M. Shannon						
Depth (Ft)	Sample No.	Monitoring Well Construction	% Rec. (of 5 ft.)	PID (ppm)	Geologic Description	Remarks
0.0						
4.0			Rec: ~ 40%	PID (~0-5') = 0 ppm	(~ 0 - 3'): Asphalt, fill (Gravel and fine to coarse SAND with varying amounts of silt)	Moist No odors
8.0			Rec: ~ 100%	PID (~5-10') = 0 ppm	(~ 3 - 5'): Brown SILT and fine SAND, little fine to coarse gravel	Moist No odors
12			Rec: ~ 100%	PID (~10-15') = 0 ppm	(~ 5 - 15'): Brown Fine to very fine SAND, trace silt	Moist No odors
16			Rec: ~ 100%	PID (~15-20') = 0 ppm	<b>SATURATION OBSERVED ~11 ft. While Drilling</b>	No odors Saturation Observed
20			Rec: ~ 100%	PID (~20-25') = 0 ppm	(~ 15 - 20'): Gray Fine to very fine SAND, some SILT	No odors Saturation Observed
24			Rec: ~ 100%	PID (~25-30') = 0 ppm	(~ 20 - 30'): Gray Very Fine SAND and SILT, trace clay	Saturation Observed No odors
28			Rec: ~ 100%	PID (~30-35') = 0 ppm	(~ 25 - 30'): Gray Very Fine SAND and SILT, trace clay	No odors Saturation Observed
32			Rec: ~ 100%	PID (~35-40') = 0 ppm	(~ 30 - 40'): Gray SILT, some very fine SAND, trace clay	No odors Saturation Observed
36			Rec: ~ 100%	PID (~35-40') = 0 ppm	(~ 30 - 40'): Gray SILT, some very fine SAND, trace clay	No odors Saturation Observed
40			Rec: ~ 100%	PID (~35-40') = 0 ppm	(~ 30 - 40'): Gray SILT, some very fine SAND, trace clay	No odors Saturation Observed
44					End of Soil Boring ~40 ft. Set temporary monitoring well MW-1 at ~ 40 ft. Collected Soil Sample from ~35-40 ft. depth for laboratory analysis via EPA Method 8260/EPA Method 8270	
48						

## SOIL BORING LOG

<b>PS</b> PROPERTY SOLUTIONS, INC. 10 Catherine St., Hudson Falls, New York 12839. Ph: (518) 223-0458; Cell: (518) 932-9121					BORING NO.: <b>SB-2 / MW-2</b>		
PROJECT: Phase 2 Subsurface Investigation					Sheet 1 of 1		
CLIENT: Charles Bohl, Inc.					Well Type: Monitoring		
SITE NAME: 2312 Western Ave., Guilderland, NY 12084					Total Depth: ~ 40 ft.		
DRILLING CONTRACTOR: Summit Drilling, Inc.					Screen: ~40-5 ft.		
DRILLING METHOD: Direct Push / Dual Tube					Riser: ~5 ft - grade		
SPILL NO. 15-07597			GRADE 0 SAND	RISER	SCREEN	BENTONITE	Start Date: 11/2/15
GROUNDWATER DEPTH: ~ 6.5 ft.							End Date: 11/2/15
MEASURING POINT: Grade			Diameter	1.0 "	1.0 "	Schedule 40 PVC	Driller: Travis
DATE OF MEASUREMENT: 11/2/15			Bentonite Seal	~ 1 - 5'	Filter	~ 5 - 40'	Inspector: Paul M. Shannon
Depth (Ft)	Sample No.	Monitoring Well Construction	% Rec. (of 5 ft.)	PID (ppm)	Geologic Description		Remarks
0.0							
4.0			Rec: ~ 60%	PID (~0-5') = 5 ppm	(~ 0 - 2'): Asphalt, fill (Gravel and fine to coarse SAND with varying amounts of silt) (~ 2' 4'): Brown SILT and fine SAND, little fine to coarse gravel (~ 4 -13'): Brown Fine to very fine SAND, trace silt		Moist No odors
8.0			Rec: ~ 100%	PID (~5-10') = 15 ppm	SATURATION OBSERVED ~8 ft. While Drilling		Moist Slight odors
12			Rec: ~ 100%	PID (~10-15') = 51 ppm			(~ 13 -25'): Gray Fine to very fine SAND, some silt, trace clay
16			Rec: ~ 100%	PID (~15-20') = 16 ppm			Saturation Observed Slight odors
20			Rec: ~ 100%	PID (~20-25') = 95 ppm			Saturation Observed Strong odors
24			Rec: ~ 100%	PID (~25-30') = 38 ppm	(~ 25 -30'): Gray SILT and very fine SAND, trace clay		Moderate odors Saturation Observed
32			Rec: ~ 100%	PID (~30-35') = 3 ppm	(~ 30 - 40'): Gray SILT, some very fine SAND, trace clay		No odors Saturation Observed
36			Rec: ~ 100%	PID (~35-40') = 0 ppm			No odors Saturation Observed
40					End of Soil Boring ~40 ft. Set temporary monitoring well MW-2 at ~ 40 ft. Collected Soil Sample from ~20-25 ft. depth for laboratory analysis via EPA Method 8260/EPA Method 8270		
44							
48							

## SOIL BORING LOG

<b>PROPERTY SOLUTIONS, INC.</b> 10 Catherine St., Hudson Falls, New York 12839. Ph: (518) 223-0458; Cell: (518) 932-9121					BORING NO.: <b>SB-3 / MW-3</b>		
PROJECT: Phase 2 Subsurface Investigation					Sheet 1 of 1		
CLIENT: Charles Bohl, Inc.					Well Type: Monitoring		
SITE NAME: 2312 Western Ave., Guilderland, NY 12084					Total Depth: ~ 25 ft.		
DRILLING CONTRACTOR: Summit Drilling, Inc.					Screen: ~25-5 ft.		
DRILLING METHOD: Direct Push / Dual Tube					Riser: ~5 ft - grade		
SPILL NO. 15-07597			GRADE 0 SAND	RISER	SCREEN	BENTONITE	Start Date: 11/2/15
GROUNDWATER DEPTH: ~ 5.5 ft.							End Date: 11/2/15
MEASURING POINT: Grade			Diameter	1.0 "	1.0 "	Schedule 40 PVC	Driller: Travis
DATE OF MEASUREMENT: 11/2/15			Bentonite Seal	~ 1 - 5'	Filter	~ 5 - 25'	Inspector: Paul M. Shannon
Depth (Ft.)	Sample No.	Monitoring Well Construction	% Rec. (of 5 ft.)	PID (ppm)	Geologic Description		Remarks
0.0							
4.0			Rec: ~ 60%	PID (~0-5') = 1 ppm	(~ 0 - 2'): Asphalt, fill (Gravel and fine to coarse SAND with varying amounts of silt) (~ 3 - 5'): Brown Fine SAND and SILT, little fine to coarse gravel		Moist No odors
8.0			Rec: ~ 100%	PID (~5-10') = 121 ppm	(~ 5 - 14'): Light brown Fine to very fine SAND, trace silt <b>SATURATION OBSERVED ~8 ft. While Drilling</b>		Moist Strong odors
12			Rec: ~ 100%	PID (~10-13') = 250 ppm	(~ 14 - 19'): Gray Fine to very fine SAND, some silt		Strong odors
16			Rec: ~ 100%	PID (~13-15') = 109 ppm			Slight odors
20			Rec: ~ 100%	PID (~15-20') = 5 ppm	(~ 19-23'): Gray Very Fine SAND, some silt		No odors
24			Rec: ~ 100%	PID (~20-25') = 0 ppm	(~ 23 -28'): Gray Very Fine SAND and SILT, trace clay		No odors
28			Rec: ~ 100%	PID (~25-30') = 0 ppm	(~ 28 - 40'): Gray SILT, some very fine SAND, trace clay		No odors
32			Rec: ~ 100%	PID (~30-35') = 0 ppm			No odors
36			Rec: ~ 100%	PID (~35-40') = 0 ppm			No odors
40					End of Soil Boring ~40 ft. Set temporary monitoring well MW-3 at ~ 25 ft. Sealed ~ 25 to 40 ft. with bentonite Collected Soil Sample from ~10-13 ft. depth for laboratory analysis via EPA Method 8260/EPA Method 8270		
44							
48							

## SOIL BORING LOG

<b>PS</b> PROPERTY SOLUTIONS, INC. 10 Catherine St., Hudson Falls, New York 12839. Ph: (518) 223-0458; Cell: (518) 932-9121					BORING NO.: <b>SB-4 / MW-4</b>		
PROJECT: Phase 2 Subsurface Investigation					Sheet 1 of 1		
CLIENT: Charles Bohl, Inc.					Well Type: Monitoring		
SITE NAME: 2312 Western Ave., Guilderland, NY 12084					Total Depth: ~ 30 ft.		
DRILLING CONTRACTOR: Summit Drilling, Inc.					Screen: ~30-5 ft.		
DRILLING METHOD: Direct Push / Dual Tube					Riser: ~5 ft - grade		
SPILL NO. 15-07597			GRADE 0 SAND	RISER	SCREEN	BENTONITE	Start Date: 11/2/15
GROUNDWATER DEPTH: ~ 7.5 ft.							End Date: 11/2/15
MEASURING POINT: Grade			Diameter	1.0 "	1.0 "	Schedule 40 PVC	Driller: Travis
DATE OF MEASUREMENT: 11/2/15			Bentonite Seal	~ 1 - 5'	Filter	~ 5 - 30'	Inspector: Paul M. Shannon
Depth (Ft)	Sample No.	Monitoring Well Construction	% Rec. (of 5 ft.)	PID (ppm)	Geologic Description		Remarks
0.0							
4.0			Rec: ~ 60%	PID (~0-5') = 70 ppm	(~ 0 - 2'): Asphalt, fill (Gravel and fine to coarse SAND with varying amounts of silt) (~ 3 - 5'): Brown Fine SAND and SILT, little fine to coarse gravel		Moist No odors
8.0			Rec: ~ 100%	PID (~5-10') = 105 ppm	(~ 5 -14'): Light brown SILT and fine SAND		Moist Strong odors
12			Rec: ~ 100%	PID (~10-15') = 150 ppm	SATURATION OBSERVED ~ 10 ft. While Drilling (~ 14 -28'): Gray Fine to very fine SAND, some silt		Strong odors
16			Rec: ~ 100%	PID (~15-20') = 18 ppm	(~ 18 -23'): Gray Very Fine SAND, some silt		Slight odors
20			Rec: ~ 100%	PID (~20-25') = 5 ppm	(~ 23 -28'): Gray Very Fine SAND and SILT, trace clay		No odors
24			Rec: ~ 100%	PID (~25-30') = 0 ppm	(~ 28 - 40'): Gray SILT, some very fine SAND, trace clay		No odors
32			Rec: ~ 100%	PID (~30-35') = 0 ppm			No odors
36			Rec: ~ 100%	PID (~35-40') = 0 ppm			No odors
40					End of Soil Boring ~40 ft. Set temporary monitoring well MW-4 at ~ 30 ft. Sealed ~ 30 to 40 ft. with bentonite Collected Soil Sample from ~10-15 ft. depth for laboratory analysis via EPA Method 8260/EPA Method 8270		
44							
48							

## **APPENDIX D**

### **TABLES**

TABLE 1  
LABORATORY SOIL ANALYTICAL RESULTS  
Phase 2 Subsurface Investigation  
2312 Western Ave.  
Guilderland, NY 12084  
NYSDEC Spill No. 15-07597

VOCs By EPA Method Method 8260					
8260 Compound List	Subpart 375-6.8(a) SCO (ppb)	SB-1 (35-40) *	SB-2 (20-25)	SB-3 (10-13)	SB-4 (10-15)
		10/20/15	10/20/15	10/20/15	10/20/15
PID Reading (ppm)		0	95	250	150
Methylene chloride	50	ND	ND	ND	ND
1,1-Dichloroethane	270	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND
Carbon tetrachloride	760	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND
Tetrachloroethene	1,300	10,000	8,800	16,000	8,300
Chlorobenzene	1,100	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND
cis-1,3-Dichloropropene		ND	ND	ND	ND
Bromoform		ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND
Benzene		ND	ND	ND	ND
Toluene	60	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND
Chloromethane	1,000	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND
Vinyl chloride		ND	340	76	ND
Chloroethane	20	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND
trans-1,2-Dichloroethene	330	ND	340	ND	ND
Trichloroethene	190	ND	20,000	2,800	260
1,2-Dichlorobenzene	470	ND	ND	ND	ND
1,3-Dichlorobenzene	1,100	ND	ND	ND	ND
1,4-Dichlorobenzene	2,400	ND	ND	ND	ND
Methyl tert butyl ether	1,800	ND	ND	ND	ND
p/m-Xylene	930	ND	ND	ND	ND
o-Xylene		ND	ND	ND	ND
cis-1,2-Dichloroethene		ND	34,000	13,000	180
Styrene	260	ND	ND	ND	ND
Dichlorodifluoromethane	250	ND	ND	ND	ND
Acetone		340	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND
2-Butanone		ND	150	ND	ND
4-Methyl-2-pentanone	50	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND
Bromochloromethane	120	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND
1,2-Dibromo-3-chloropropane		ND	ND	ND	ND
Isopropylbenzene		ND	ND	ND	ND
1,2,3-Trichlorobenzene		ND	ND	ND	ND
1,2,4-Trichlorobenzene	12,000	ND	ND	ND	ND
Methyl Acetate	11,000	ND	ND	ND	ND
Cyclohexane	5,900	ND	ND	ND	ND
1,4-Dioxane		ND	ND	ND	ND
Freon-113		ND	ND	ND	ND
Methyl cyclohexane		ND	ND	ND	ND
<b>TOTAL VOCs</b>	-	10,340	63,630	31,876	8,740

\* This sample is suspected to have been inadvertently mislabeled/switched or similar instance while in the field. This is supported by the non-detectable PID readings and non-detectable VOC / semi-VOC groundwater results for this soil boring/monitoring well (Appendix C - Table 2).

PID: Photoionization Detector

ppm: Parts Per Million

SCO: Soil Cleanup Objectives

Subpart 375-6.8(a) SCO - NYSDEC Remedial Program Soil Cleanup Objectives for Unrestricted Use

**bold** values indicate elevated laboratory detection limit above applicable NYSDEC SCO

"ND" Indicates Concentration of Analyte Below Applicable Laboratory Reporting Limit

**Red** values exceed the NYSDEC SCO

Soil Sample Analysis: VOCs via EPA Method 8260 (Full)

All values are reported in parts per billion (ppb or ug/kg) unless indicated otherwise

TABLE 1 (Continued)  
LABORATORY SOIL ANALYTICAL RESULTS  
Phase 2 Subsurface Investigation  
2312 Western Ave.  
Guilderland, NY 12084  
NYSDEC Spill No. 15-07597

Semi-VOCs By EPA Method 8270 (FULL)					
8270 (STARS) Compound List	Subpart 375-6.8(a) SCO (ppb)	SB-1 (35-40) *	SB-2 (20-25)	SB-3 (10-13)	SB-4 (10-15)
		10/20/15	10/20/15	10/20/15	10/20/15
PID Reading (ppm)		0	95	250	150
Acenaphthene	20,000	ND	ND	ND	ND
Hexachlorobenzene	330	ND	ND	ND	ND
Bis(2-chloroethyl)ether		ND	ND	ND	ND
2-Chloronaphthalene		ND	ND	ND	ND
3,3'-Dichlorobenzidine		ND	ND	ND	ND
2,4-Dinitrotoluene		ND	ND	ND	ND
2,6-Dinitrotoluene		ND	ND	ND	ND
Fluoranthene	100,000	ND	ND	ND	ND
4-Chlorophenyl phenyl ether		ND	ND	ND	ND
4-Bromophenyl phenyl ether		ND	ND	ND	ND
Bis(2-chloroisopropyl)ether		ND	ND	ND	ND
Bis(2-chloroethoxy)methane		ND	ND	ND	ND
Hexachlorobutadiene		ND	ND	ND	ND
Hexachlorocyclopentadiene		ND	ND	ND	ND
Hexachloroethane		ND	ND	ND	ND
Isophorone		ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND
Nitrobenzene		ND	ND	ND	ND
NDPA/DPA		ND	ND	ND	ND
n-Nitrosodi-n-propylamine		ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate		ND	ND	ND	ND
Butyl benzyl phthalate		ND	ND	ND	ND
Di-n-butylphthalate		ND	ND	ND	ND
Di-n-octylphthalate		ND	ND	ND	ND
Diethyl phthalate		ND	ND	ND	ND
Dimethyl phthalate		ND	ND	ND	ND
Benzo(a)anthracene	1,000	ND	ND	ND	ND
Benzo(a)pyrene	1,000	ND	ND	ND	ND
Benzo(b)fluoranthene	1,000	ND	ND	ND	ND
Benzo(k)fluoranthene	800	ND	ND	ND	ND
Chrysene	1,000	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND
Anthracene	100,000	ND	ND	ND	ND
Benzo(ghi)perylene	100,000	ND	ND	ND	ND
Fluorene	30,000	ND	ND	ND	ND
Phenanthrene	100,000	ND	ND	ND	ND
Dibenzo(a,h)anthracene	330	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	ND	ND	ND	ND
Pyrene	100,000	ND	ND	ND	ND
Biphenyl		ND	ND	ND	ND
4-Chloroaniline		ND	ND	ND	ND
2-Nitroaniline		ND	ND	ND	ND
3-Nitroaniline		ND	ND	ND	ND
4-Nitroaniline		ND	ND	ND	ND
Dibenzofuran	7,000	ND	ND	ND	ND
2-Methylnaphthalene		ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene		ND	ND	ND	ND
Acetophenone		ND	ND	ND	ND
2,4,6-Trichlorophenol		ND	ND	ND	ND
p-Chloro-m-cresol		ND	ND	ND	ND
2-Chlorophenol		ND	ND	ND	ND
2,4-Dichlorophenol		ND	ND	ND	ND
2,4-Dimethylphenol		ND	ND	ND	ND
2-Nitrophenol		ND	ND	ND	ND
4-Nitrophenol		ND	ND	ND	ND
2,4-Dinitrophenol		ND	ND	ND	ND
4,6-Dinitro-o-cresol		ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND
Phenol	330	ND	ND	ND	ND
2-Methylphenol	330	ND	ND	ND	ND
3-Methylphenol/4-Methylphen	330	ND	ND	ND	ND
2,4,5-Trichlorophenol		ND	ND	ND	ND
Carbazole		ND	ND	ND	ND

TABLE 2  
LABORATORY GROUNDWATER ANALYTICAL RESULTS  
Phase 2 Subsurface Investigation  
2312 Western Ave.  
Guilderland, NY 12084  
NYSDEC Spill No. 15-07597

VOCs By EPA Method 8260					
EPA Method 8260 Compound List	NYSDEC Standard (ppb)	MW-1 11/2/15	MW-2 11/2/15	MW-3 11/2/15	MW-4 11/2/15
Methylene chloride	5.0	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND
Chloroform	7.0	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND
1,2-Dichloropropane	1.0	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	ND	ND	ND	ND
Tetrachloroethene	5.0	ND	19,000	65,000	36,000
Chlorobenzene	5.0	ND	ND	ND	0.72
Trichlorofluoromethane	5.0	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND
Toluene	5.0	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND
p/m-Xylene	5.0	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND
Vinyl chloride	2.0	ND	120	4,000	180
Chloroethane	5.0	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	7.0	ND	8.8
trans-1,2-Dichloroethene	5.0	ND	26	ND	20
cis-1,2-Dichloroethene	5.0	ND	1,700	110,000	2,900
Trichloroethene	5.0	ND	4,700	25,000	3,200
1,2-Dichlorobenzene	3.0	ND	ND	ND	ND
1,3-Dichlorobenzene	3.0	ND	ND	ND	ND
1,4-Dichlorobenzene	3.0	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	0.89	ND	5.5
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	2.0
Bromobenzene	5.0	ND	ND	ND	ND
o-Chlorotoluene	5.0	ND	ND	ND	ND
p-Chlorotoluene	5.0	ND	ND	ND	ND
Dibromomethane	5.0	ND	ND	ND	ND
1,2-Dibromoethane	0.0006	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND	ND
Xylenes, Total	5.0	ND	ND	ND	2.0
<b>TOTAL VOCs</b>	-	ND	25,554	204,000	42,317

ppb: Parts Per Billion

**Bold** values indicate elevated laboratory detection limit above applicable NYSDEC guidance values

\*ND\* Indicates Concentration of Analyte Below Applicable Laboratory Reporting Limit

All values are reported in parts per billion (ppb or ug/kg) unless indicated otherwise

**Red** values exceed the NYSDEC TOGS Guidance Value or Class GA Drinking Water Std. (6 NYCRR Part 703)

Groundwater Sample Analysis: Volatile Organic Compounds (VOCs) by EPA Method 8260

TABLE 2 (Continued)  
LABORATORY GROUNDWATER ANALYTICAL RESULTS  
Phase 2 Subsurface Investigation  
2312 Western Ave.  
Guilderland, NY 12084  
NYSDEC Spill No. 15-07597

Semi-VOCs By EPA Method 8270		
EPA Method 8270 Compound List	NYSDEC Standard (ppb)	MW-2 11/2/15
Bis(2-chloroethyl)ether	1.0	<b>ND</b>
3,3'-Dichlorobenzidine	5.0	<b>ND</b>
2,4-Dinitrotoluene	5.0	<b>ND</b>
2,6-Dinitrotoluene	5.0	<b>ND</b>
4-Chlorophenyl phenyl ether		ND
4-Bromophenyl phenyl ether		ND
Bis(2-chloroisopropyl)ether	5.0	ND
Bis(2-chloroethoxy)methane	5.0	<b>ND</b>
Hexachlorocyclopentadiene	5.0	<b>ND</b>
Isophorone	50	ND
Nitrobenzene	0.4	<b>ND</b>
NDPA/DPA	50	ND
n-Nitrosodi-n-propylamine		ND
Bis(2-ethylhexyl)phthalate	5.0	ND
Butyl benzyl phthalate	50	ND
Di-n-butylphthalate	50	ND
Di-n-octylphthalate	50	ND
Diethyl phthalate	50	ND
Dimethyl phthalate	50	ND
Biphenyl	5.0	ND
4-Chloroaniline	5.0	<b>ND</b>
2-Nitroaniline	5.0	<b>ND</b>
3-Nitroaniline	5.0	<b>ND</b>
4-Nitroaniline	5.0	<b>ND</b>
Dibenzofuran		ND
1,2,4,5-Tetrachlorobenzene	5.0	<b>ND</b>
Acetophenone		ND
2,4,6-Trichlorophenol		ND
p-Chloro-m-cresol		ND
2-Chlorophenol		ND
2,4-Dichlorophenol	1.0	<b>ND</b>
2,4-Dimethylphenol	50	ND
2-Nitrophenol		ND
4-Nitrophenol		ND
2,4-Dinitrophenol	10	<b>ND</b>
4,6-Dinitro-o-cresol		ND
Phenol	1.0	<b>ND</b>
3-Methylphenol/4-Methylphenol		ND
2,4,5-Trichlorophenol		ND
Carbazole		ND
Benzaldehyde		ND
Caprolactam		ND
Atrazine	7.5	<b>ND</b>
2,3,4,6-Tetrachlorophenol		ND
Acenaphthene	20	ND
2-Chloronaphthalene	10	ND
Fluoranthene	50	ND
Hexachlorobutadiene	0.5	<b>ND</b>
Naphthalene	10	ND
Benzo(a)anthracene	0.002	<b>ND</b>
Benzo(a)pyrene	0.000	<b>ND</b>
Benzo(b)fluoranthene	0.002	<b>ND</b>
Benzo(k)fluoranthene	0.002	<b>ND</b>
Chrysene	0.002	<b>ND</b>
Acenaphthylene		<b>ND</b>
Anthracene	50	ND
Benzo(ghi)perylene		ND
Fluorene	50	ND
Phenanthrene	50	ND
Dibenzo(a,h)anthracene		ND
Indeno(1,2,3-cd)pyrene	0.002	ND
Pyrene	50	ND
2-Methylnaphthalene		ND
Pentachlorophenol	1.0	ND
Hexachlorobenzene	0.04	ND
Hexachloroethane	5.0	ND
<b>TOTAL SEMI-VOCS</b>	-	ND

ppb: Parts Per Billion  
**Bold** values indicate elevated laboratory detection limit above applicable NYSDEC guidance values  
\*ND\* Indicates Concentration of Analyte Below Applicable Laboratory Reporting Limit  
All values are reported in parts per billion (ppb or ug/kg) unless indicated otherwise  
**Red** values exceed the NYSDEC TOGS Guidance Value or Class GA Drinking Water Std. (6 NYCRR Part 703)  
Groundwater Sample Analysis: Semi-VOCS by EPA Method 8270

## **APPENDIX E**

### **LABORATORY ANALYTICAL REPORTS**



## ANALYTICAL REPORT

Lab Number:	L1526710
Client:	PS Property Solutions, Inc. 10 Catherine Street Hudson Falls, NY 12839
ATTN:	Paul Shannon
Phone:	(518) 223-0458
Project Name:	C. BOHL, INC.-2312 WESTERN AVE
Project Number:	CHARLES BOHL, INC.
Report Date:	10/27/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1526710-01	DRAIN-1	SOIL	GUILDERLAND, NY	10/20/15 08:30	10/20/15
L1526710-02	SB-1 (35-40)	SOIL	GUILDERLAND, NY	10/20/15 09:30	10/20/15
L1526710-03	SB-2 (20-25)	SOIL	GUILDERLAND, NY	10/20/15 10:30	10/20/15
L1526710-04	SB-3 (10-13)	SOIL	GUILDERLAND, NY	10/20/15 12:00	10/20/15
L1526710-05	SB-4 (10-15)	SOIL	GUILDERLAND, NY	10/20/15 14:00	10/20/15

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

---

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Cristin Walker

Title: Technical Director/Representative

Date: 10/27/15

# ORGANICS

# VOLATILES

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-02 D  
 Client ID: SB-1 (35-40)  
 Sample Location: GUILDERLAND, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 10/27/15 09:23  
 Analyst: BN  
 Percent Solids: 74%

Date Collected: 10/20/15 09:30  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	1400	150	100
1,1-Dichloroethane	ND		ug/kg	200	12.	100
Chloroform	ND		ug/kg	200	50.	100
Carbon tetrachloride	ND		ug/kg	140	28.	100
1,2-Dichloropropane	ND		ug/kg	480	31.	100
Dibromochloromethane	ND		ug/kg	140	21.	100
1,1,2-Trichloroethane	ND		ug/kg	200	41.	100
Tetrachloroethene	10000		ug/kg	140	19.	100
Chlorobenzene	ND		ug/kg	140	47.	100
Trichlorofluoromethane	ND		ug/kg	680	53.	100
1,2-Dichloroethane	ND		ug/kg	140	15.	100
1,1,1-Trichloroethane	ND		ug/kg	140	15.	100
Bromodichloromethane	ND		ug/kg	140	24.	100
trans-1,3-Dichloropropene	ND		ug/kg	140	16.	100
cis-1,3-Dichloropropene	ND		ug/kg	140	16.	100
Bromoform	ND		ug/kg	540	32.	100
1,1,2,2-Tetrachloroethane	ND		ug/kg	140	14.	100
Benzene	ND		ug/kg	140	16.	100
Toluene	ND		ug/kg	200	26.	100
Ethylbenzene	ND		ug/kg	140	17.	100
Chloromethane	40	J	ug/kg	680	40.	100
Bromomethane	120	J	ug/kg	270	46.	100
Vinyl chloride	ND		ug/kg	270	16.	100
Chloroethane	ND		ug/kg	270	43.	100
1,1-Dichloroethene	ND		ug/kg	140	36.	100
trans-1,2-Dichloroethene	ND		ug/kg	200	29.	100
Trichloroethene	59	J	ug/kg	140	17.	100
1,2-Dichlorobenzene	ND		ug/kg	680	21.	100
1,3-Dichlorobenzene	ND		ug/kg	680	18.	100
1,4-Dichlorobenzene	ND		ug/kg	680	19.	100

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE**Lab Number:** L1526710**Project Number:** CHARLES BOHL, INC.**Report Date:** 10/27/15**SAMPLE RESULTS**

Lab ID: L1526710-02 D

Date Collected: 10/20/15 09:30

Client ID: SB-1 (35-40)

Date Received: 10/20/15

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	270	11.	100
p/m-Xylene	ND		ug/kg	270	27.	100
o-Xylene	ND		ug/kg	270	23.	100
cis-1,2-Dichloroethene	ND		ug/kg	140	19.	100
Styrene	ND		ug/kg	270	55.	100
Dichlorodifluoromethane	ND		ug/kg	1400	26.	100
Acetone	340	J	ug/kg	1400	140	100
Carbon disulfide	ND		ug/kg	1400	150	100
2-Butanone	ND		ug/kg	1400	37.	100
4-Methyl-2-pentanone	ND		ug/kg	1400	33.	100
2-Hexanone	ND		ug/kg	1400	91.	100
Bromochloromethane	ND		ug/kg	680	38.	100
1,2-Dibromoethane	ND		ug/kg	540	24.	100
1,2-Dibromo-3-chloropropane	ND		ug/kg	680	54.	100
Isopropylbenzene	ND		ug/kg	140	14.	100
1,2,3-Trichlorobenzene	ND		ug/kg	680	20.	100
1,2,4-Trichlorobenzene	ND		ug/kg	680	25.	100
Methyl Acetate	ND		ug/kg	2700	37.	100
Cyclohexane	ND		ug/kg	2700	20.	100
1,4-Dioxane	ND		ug/kg	14000	2000	100
Freon-113	ND		ug/kg	2700	37.	100
Methyl cyclohexane	ND		ug/kg	540	21.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-03 D2  
 Client ID: SB-2 (20-25)  
 Sample Location: GUILDERLAND, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 10/27/15 10:42  
 Analyst: BN  
 Percent Solids: 76%

Date Collected: 10/20/15 10:30  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab						
cis-1,2-Dichloroethene	34000		ug/kg	260	38.	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-03 D  
 Client ID: SB-2 (20-25)  
 Sample Location: GUILDERLAND, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 10/27/15 09:49  
 Analyst: BN  
 Percent Solids: 76%

Date Collected: 10/20/15 10:30  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	660	73.	50
1,1-Dichloroethane	ND		ug/kg	99	5.6	50
Chloroform	ND		ug/kg	99	24.	50
Carbon tetrachloride	ND		ug/kg	66	14.	50
1,2-Dichloropropane	ND		ug/kg	230	15.	50
Dibromochloromethane	ND		ug/kg	66	10.	50
1,1,2-Trichloroethane	ND		ug/kg	99	20.	50
Tetrachloroethene	8800		ug/kg	66	9.2	50
Chlorobenzene	ND		ug/kg	66	23.	50
Trichlorofluoromethane	ND		ug/kg	330	26.	50
1,2-Dichloroethane	ND		ug/kg	66	7.5	50
1,1,1-Trichloroethane	ND		ug/kg	66	7.3	50
Bromodichloromethane	ND		ug/kg	66	11.	50
trans-1,3-Dichloropropene	ND		ug/kg	66	7.9	50
cis-1,3-Dichloropropene	ND		ug/kg	66	7.7	50
Bromoform	ND		ug/kg	260	16.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	6.6	50
Benzene	ND		ug/kg	66	7.8	50
Toluene	13	J	ug/kg	99	13.	50
Ethylbenzene	ND		ug/kg	66	8.4	50
Chloromethane	29	J	ug/kg	330	19.	50
Bromomethane	60	J	ug/kg	130	22.	50
Vinyl chloride	140		ug/kg	130	7.7	50
Chloroethane	ND		ug/kg	130	21.	50
1,1-Dichloroethene	96		ug/kg	66	17.	50
trans-1,2-Dichloroethene	340		ug/kg	99	14.	50
Trichloroethene	20000		ug/kg	66	8.2	50
1,2-Dichlorobenzene	ND		ug/kg	330	10.	50
1,3-Dichlorobenzene	ND		ug/kg	330	8.9	50
1,4-Dichlorobenzene	ND		ug/kg	330	9.1	50

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE**Lab Number:** L1526710**Project Number:** CHARLES BOHL, INC.**Report Date:** 10/27/15**SAMPLE RESULTS**

Lab ID: L1526710-03 D

Date Collected: 10/20/15 10:30

Client ID: SB-2 (20-25)

Date Received: 10/20/15

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	130	5.6	50
p/m-Xylene	ND		ug/kg	130	13.	50
o-Xylene	ND		ug/kg	130	11.	50
cis-1,2-Dichloroethene	32000	E	ug/kg	66	9.4	50
Styrene	ND		ug/kg	130	26.	50
Dichlorodifluoromethane	ND		ug/kg	660	12.	50
Acetone	ND		ug/kg	660	68.	50
Carbon disulfide	ND		ug/kg	660	72.	50
2-Butanone	150	J	ug/kg	660	18.	50
4-Methyl-2-pentanone	ND		ug/kg	660	16.	50
2-Hexanone	ND		ug/kg	660	44.	50
Bromochloromethane	ND		ug/kg	330	18.	50
1,2-Dibromoethane	ND		ug/kg	260	11.	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	330	26.	50
Isopropylbenzene	ND		ug/kg	66	6.8	50
1,2,3-Trichlorobenzene	ND		ug/kg	330	9.7	50
1,2,4-Trichlorobenzene	ND		ug/kg	330	12.	50
Methyl Acetate	ND		ug/kg	1300	18.	50
Cyclohexane	ND		ug/kg	1300	9.6	50
1,4-Dioxane	ND		ug/kg	6600	950	50
Freon-113	ND		ug/kg	1300	18.	50
Methyl cyclohexane	ND		ug/kg	260	10.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-04 D  
 Client ID: SB-3 (10-13)  
 Sample Location: GUILDERLAND, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 10/26/15 11:35  
 Analyst: BN  
 Percent Solids: 73%

Date Collected: 10/20/15 12:00  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	600	66.	50
1,1-Dichloroethane	ND		ug/kg	90	5.1	50
Chloroform	ND		ug/kg	90	22.	50
Carbon tetrachloride	ND		ug/kg	60	13.	50
1,2-Dichloropropane	ND		ug/kg	210	14.	50
Dibromochloromethane	ND		ug/kg	60	9.2	50
1,1,2-Trichloroethane	ND		ug/kg	90	18.	50
Tetrachloroethene	16000		ug/kg	60	8.4	50
Chlorobenzene	ND		ug/kg	60	21.	50
Trichlorofluoromethane	ND		ug/kg	300	23.	50
1,2-Dichloroethane	ND		ug/kg	60	6.8	50
1,1,1-Trichloroethane	ND		ug/kg	60	6.6	50
Bromodichloromethane	ND		ug/kg	60	10.	50
trans-1,3-Dichloropropene	ND		ug/kg	60	7.2	50
cis-1,3-Dichloropropene	ND		ug/kg	60	7.1	50
Bromoform	ND		ug/kg	240	14.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	60	6.0	50
Benzene	ND		ug/kg	60	7.1	50
Toluene	ND		ug/kg	90	12.	50
Ethylbenzene	ND		ug/kg	60	7.6	50
Chloromethane	ND		ug/kg	300	18.	50
Bromomethane	ND		ug/kg	120	20.	50
Vinyl chloride	76	J	ug/kg	120	7.0	50
Chloroethane	ND		ug/kg	120	19.	50
1,1-Dichloroethene	ND		ug/kg	60	16.	50
trans-1,2-Dichloroethene	32	J	ug/kg	90	13.	50
Trichloroethene	2800		ug/kg	60	7.5	50
1,2-Dichlorobenzene	ND		ug/kg	300	9.2	50
1,3-Dichlorobenzene	ND		ug/kg	300	8.1	50
1,4-Dichlorobenzene	ND		ug/kg	300	8.3	50

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-04 D  
 Client ID: SB-3 (10-13)  
 Sample Location: GUILDERLAND, NY

Date Collected: 10/20/15 12:00  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	120	5.1	50
p/m-Xylene	ND		ug/kg	120	12.	50
o-Xylene	ND		ug/kg	120	10.	50
cis-1,2-Dichloroethene	13000		ug/kg	60	8.6	50
Styrene	ND		ug/kg	120	24.	50
Dichlorodifluoromethane	ND		ug/kg	600	11.	50
Acetone	ND		ug/kg	600	62.	50
Carbon disulfide	ND		ug/kg	600	66.	50
2-Butanone	ND		ug/kg	600	16.	50
4-Methyl-2-pentanone	ND		ug/kg	600	15.	50
2-Hexanone	ND		ug/kg	600	40.	50
Bromochloromethane	ND		ug/kg	300	16.	50
1,2-Dibromoethane	ND		ug/kg	240	10.	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	24.	50
Isopropylbenzene	ND		ug/kg	60	6.2	50
1,2,3-Trichlorobenzene	ND		ug/kg	300	8.9	50
1,2,4-Trichlorobenzene	ND		ug/kg	300	11.	50
Methyl Acetate	ND		ug/kg	1200	16.	50
Cyclohexane	ND		ug/kg	1200	8.8	50
1,4-Dioxane	ND		ug/kg	6000	870	50
Freon-113	ND		ug/kg	1200	16.	50
Methyl cyclohexane	ND		ug/kg	240	9.3	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	99		70-130

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-05 D  
 Client ID: SB-4 (10-15)  
 Sample Location: GUILDERLAND, NY  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 10/26/15 12:02  
 Analyst: BN  
 Percent Solids: 77%

Date Collected: 10/20/15 14:00  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	550	61.	50
1,1-Dichloroethane	ND		ug/kg	83	4.7	50
Chloroform	ND		ug/kg	83	20.	50
Carbon tetrachloride	ND		ug/kg	55	12.	50
1,2-Dichloropropane	ND		ug/kg	190	12.	50
Dibromochloromethane	ND		ug/kg	55	8.5	50
1,1,2-Trichloroethane	ND		ug/kg	83	17.	50
Tetrachloroethene	8300		ug/kg	55	7.7	50
Chlorobenzene	ND		ug/kg	55	19.	50
Trichlorofluoromethane	ND		ug/kg	280	21.	50
1,2-Dichloroethane	ND		ug/kg	55	6.3	50
1,1,1-Trichloroethane	ND		ug/kg	55	6.1	50
Bromodichloromethane	ND		ug/kg	55	9.6	50
trans-1,3-Dichloropropene	ND		ug/kg	55	6.7	50
cis-1,3-Dichloropropene	ND		ug/kg	55	6.5	50
Bromoform	ND		ug/kg	220	13.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	55	5.6	50
Benzene	ND		ug/kg	55	6.5	50
Toluene	ND		ug/kg	83	11.	50
Ethylbenzene	ND		ug/kg	55	7.0	50
Chloromethane	ND		ug/kg	280	16.	50
Bromomethane	ND		ug/kg	110	19.	50
Vinyl chloride	ND		ug/kg	110	6.5	50
Chloroethane	ND		ug/kg	110	17.	50
1,1-Dichloroethene	ND		ug/kg	55	14.	50
trans-1,2-Dichloroethene	ND		ug/kg	83	12.	50
Trichloroethene	260		ug/kg	55	6.9	50
1,2-Dichlorobenzene	ND		ug/kg	280	8.5	50
1,3-Dichlorobenzene	ND		ug/kg	280	7.4	50
1,4-Dichlorobenzene	ND		ug/kg	280	7.6	50

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-05 D  
 Client ID: SB-4 (10-15)  
 Sample Location: GUILDERLAND, NY

Date Collected: 10/20/15 14:00  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	110	4.7	50
p/m-Xylene	ND		ug/kg	110	11.	50
o-Xylene	ND		ug/kg	110	9.5	50
cis-1,2-Dichloroethene	180		ug/kg	55	7.9	50
Styrene	ND		ug/kg	110	22.	50
Dichlorodifluoromethane	ND		ug/kg	550	10.	50
Acetone	ND		ug/kg	550	57.	50
Carbon disulfide	ND		ug/kg	550	61.	50
2-Butanone	ND		ug/kg	550	15.	50
4-Methyl-2-pentanone	ND		ug/kg	550	13.	50
2-Hexanone	ND		ug/kg	550	37.	50
Bromochloromethane	ND		ug/kg	280	15.	50
1,2-Dibromoethane	ND		ug/kg	220	9.6	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	280	22.	50
Isopropylbenzene	ND		ug/kg	55	5.7	50
1,2,3-Trichlorobenzene	ND		ug/kg	280	8.2	50
1,2,4-Trichlorobenzene	ND		ug/kg	280	10.	50
Methyl Acetate	ND		ug/kg	1100	15.	50
Cyclohexane	ND		ug/kg	1100	8.1	50
1,4-Dioxane	ND		ug/kg	5500	800	50
Freon-113	ND		ug/kg	1100	15.	50
Methyl cyclohexane	ND		ug/kg	220	8.5	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	106		70-130

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 10/26/15 09:25  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG834177-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.21	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: C. BOHL, INC.-2312 WESTERN AVE

Lab Number: L1526710

Project Number: CHARLES BOHL, INC.

Report Date: 10/27/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 10/26/15 09:25  
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG834177-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	1.7	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE**Lab Number:** L1526710**Project Number:** CHARLES BOHL, INC.**Report Date:** 10/27/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 10/26/15 09:25  
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG834177-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	102		70-130

Project Name: C. BOHL, INC.-2312 WESTERN AVE

Lab Number: L1526710

Project Number: CHARLES BOHL, INC.

Report Date: 10/27/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 10/27/15 08:57  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG834577-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	0.48	J	ug/kg	5.0	0.29
Bromomethane	1.4	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: C. BOHL, INC.-2312 WESTERN AVE

Lab Number: L1526710

Project Number: CHARLES BOHL, INC.

Report Date: 10/27/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 10/27/15 08:57  
 Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG834577-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.10
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	0.15

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 10/27/15 08:57  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG834577-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG834177-1 WG834177-2								
Methylene chloride	118		114		70-130	3		30
1,1-Dichloroethane	119		115		70-130	3		30
Chloroform	115		109		70-130	5		30
Carbon tetrachloride	119		116		70-130	3		30
1,2-Dichloropropane	121		116		70-130	4		30
Dibromochloromethane	99		96		70-130	3		30
2-Chloroethylvinyl ether	106		101		70-130	5		30
1,1,2-Trichloroethane	104		102		70-130	2		30
Tetrachloroethene	111		109		70-130	2		30
Chlorobenzene	105		102		70-130	3		30
Trichlorofluoromethane	114		110		70-139	4		30
1,2-Dichloroethane	110		109		70-130	1		30
1,1,1-Trichloroethane	120		112		70-130	7		30
Bromodichloromethane	115		109		70-130	5		30
trans-1,3-Dichloropropene	99		98		70-130	1		30
cis-1,3-Dichloropropene	118		115		70-130	3		30
1,1-Dichloropropene	123		117		70-130	5		30
Bromoform	94		94		70-130	0		30
1,1,2,2-Tetrachloroethane	97		95		70-130	2		30
Benzene	124		119		70-130	4		30
Toluene	106		100		70-130	6		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG834177-1 WG834177-2								
Ethylbenzene	104		101		70-130	3		30
Chloromethane	110		107		52-130	3		30
Bromomethane	105		100		57-147	5		30
Vinyl chloride	122		117		67-130	4		30
Chloroethane	122		116		50-151	5		30
1,1-Dichloroethene	128		120		65-135	6		30
trans-1,2-Dichloroethene	125		119		70-130	5		30
Trichloroethene	126		120		70-130	5		30
1,2-Dichlorobenzene	98		96		70-130	2		30
1,3-Dichlorobenzene	101		98		70-130	3		30
1,4-Dichlorobenzene	100		97		70-130	3		30
Methyl tert butyl ether	112		107		66-130	5		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	106		103		70-130	3		30
cis-1,2-Dichloroethene	126		118		70-130	7		30
Dibromomethane	119		113		70-130	5		30
Styrene	107		105		70-130	2		30
Dichlorodifluoromethane	89		86		30-146	3		30
Acetone	110		112		54-140	2		30
Carbon disulfide	127		120		59-130	6		30
2-Butanone	127		120		70-130	6		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG834177-1 WG834177-2								
Vinyl acetate	115		112		70-130	3		30
4-Methyl-2-pentanone	106		104		70-130	2		30
1,2,3-Trichloropropane	93		89		68-130	4		30
2-Hexanone	81		80		70-130	1		30
Bromochloromethane	130		125		70-130	4		30
2,2-Dichloropropane	120		114		70-130	5		30
1,2-Dibromoethane	101		98		70-130	3		30
1,3-Dichloropropane	100		99		69-130	1		30
1,1,1,2-Tetrachloroethane	102		99		70-130	3		30
Bromobenzene	98		99		70-130	1		30
n-Butylbenzene	102		96		70-130	6		30
sec-Butylbenzene	100		96		70-130	4		30
tert-Butylbenzene	99		94		70-130	5		30
o-Chlorotoluene	101		97		70-130	4		30
p-Chlorotoluene	97		93		70-130	4		30
1,2-Dibromo-3-chloropropane	92		90		68-130	2		30
Hexachlorobutadiene	100		97		67-130	3		30
Isopropylbenzene	98		96		70-130	2		30
p-Isopropyltoluene	101		95		70-130	6		30
Naphthalene	94		93		70-130	1		30
Acrylonitrile	118		108		70-130	9		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG834177-1 WG834177-2								
Isopropyl Ether	114		109		66-130	4		30
tert-Butyl Alcohol	112		111		70-130	1		30
n-Propylbenzene	99		95		70-130	4		30
1,2,3-Trichlorobenzene	103		100		70-130	3		30
1,2,4-Trichlorobenzene	103		98		70-130	5		30
1,3,5-Trimethylbenzene	99		96		70-130	3		30
1,2,4-Trimethylbenzene	97		94		70-130	3		30
Methyl Acetate	113		108		51-146	5		30
Ethyl Acetate	111		108		70-130	3		30
Acrolein	103		105		70-130	2		30
Cyclohexane	125		118		59-142	6		30
1,4-Dioxane	113		111		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	125		120		50-139	4		30
p-Diethylbenzene	100		94		70-130	6		30
p-Ethyltoluene	101		97		70-130	4		30
1,2,4,5-Tetramethylbenzene	95		91		70-130	4		30
Tetrahydrofuran	113		105		66-130	7		30
Ethyl ether	122		118		67-130	3		30
trans-1,4-Dichloro-2-butene	96		91		70-130	5		30
Methyl cyclohexane	125		118		70-130	6		30
Ethyl-Tert-Butyl-Ether	114		109		70-130	4		30

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG834177-1 WG834177-2								
Tertiary-Amyl Methyl Ether	116		111		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		93		70-130
Toluene-d8	90		91		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	104		103		70-130



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG834577-1 WG834577-2								
Methylene chloride	88		88		70-130	0		30
1,1-Dichloroethane	92		93		70-130	1		30
Chloroform	97		97		70-130	0		30
Carbon tetrachloride	109		109		70-130	0		30
1,2-Dichloropropane	88		90		70-130	2		30
Dibromochloromethane	94		97		70-130	3		30
2-Chloroethylvinyl ether	79		78		70-130	1		30
1,1,2-Trichloroethane	94		92		70-130	2		30
Tetrachloroethene	111		108		70-130	3		30
Chlorobenzene	100		99		70-130	1		30
Trichlorofluoromethane	121		118		70-139	3		30
1,2-Dichloroethane	94		96		70-130	2		30
1,1,1-Trichloroethane	106		105		70-130	1		30
Bromodichloromethane	94		97		70-130	3		30
trans-1,3-Dichloropropene	95		97		70-130	2		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	103		104		70-130	1		30
Bromoform	91		92		70-130	1		30
1,1,2,2-Tetrachloroethane	90		90		70-130	0		30
Benzene	95		95		70-130	0		30
Toluene	100		100		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG834577-1 WG834577-2								
Ethylbenzene	103		103		70-130	0		30
Chloromethane	88		88		52-130	0		30
Bromomethane	104		98		57-147	6		30
Vinyl chloride	92		91		67-130	1		30
Chloroethane	113		107		50-151	5		30
1,1-Dichloroethene	99		98		65-135	1		30
trans-1,2-Dichloroethene	98		98		70-130	0		30
Trichloroethene	102		102		70-130	0		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	104		102		70-130	2		30
Methyl tert butyl ether	87		88		66-130	1		30
p/m-Xylene	105		105		70-130	0		30
o-Xylene	104		104		70-130	0		30
cis-1,2-Dichloroethene	94		95		70-130	1		30
Dibromomethane	90		93		70-130	3		30
Styrene	103		102		70-130	1		30
Dichlorodifluoromethane	101		98		30-146	3		30
Acetone	76		80		54-140	5		30
Carbon disulfide	94		95		59-130	1		30
2-Butanone	77		81		70-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG834577-1 WG834577-2								
Vinyl acetate	80		85		70-130	6		30
4-Methyl-2-pentanone	79		82		70-130	4		30
1,2,3-Trichloropropane	90		92		68-130	2		30
2-Hexanone	76		81		70-130	6		30
Bromochloromethane	96		95		70-130	1		30
2,2-Dichloropropane	104		105		70-130	1		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	99		100		70-130	1		30
Bromobenzene	100		97		70-130	3		30
n-Butylbenzene	113		112		70-130	1		30
sec-Butylbenzene	112		108		70-130	4		30
tert-Butylbenzene	107		106		70-130	1		30
o-Chlorotoluene	103		102		70-130	1		30
p-Chlorotoluene	105		104		70-130	1		30
1,2-Dibromo-3-chloropropane	81		87		68-130	7		30
Hexachlorobutadiene	113		109		67-130	4		30
Isopropylbenzene	107		105		70-130	2		30
p-Isopropyltoluene	111		108		70-130	3		30
Naphthalene	95		97		70-130	2		30
Acrylonitrile	73		76		70-130	4		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG834577-1 WG834577-2								
Isopropyl Ether	83		86		66-130	4		30
tert-Butyl Alcohol	75		82		70-130	9		30
n-Propylbenzene	107		105		70-130	2		30
1,2,3-Trichlorobenzene	102		102		70-130	0		30
1,2,4-Trichlorobenzene	106		106		70-130	0		30
1,3,5-Trimethylbenzene	106		106		70-130	0		30
1,2,4-Trimethylbenzene	107		104		70-130	3		30
Methyl Acetate	74		80		51-146	8		30
Ethyl Acetate	78		82		70-130	5		30
Acrolein	70		74		70-130	6		30
Cyclohexane	96		98		59-142	2		30
1,4-Dioxane	80		86		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	105		104		50-139	1		30
p-Diethylbenzene	110		109		70-130	1		30
p-Ethyltoluene	108		105		70-130	3		30
1,2,4,5-Tetramethylbenzene	106		104		70-130	2		30
Tetrahydrofuran	74		80		66-130	8		30
Ethyl ether	94		95		67-130	1		30
trans-1,4-Dichloro-2-butene	85		88		70-130	3		30
Methyl cyclohexane	106		105		70-130	1		30
Ethyl-Tert-Butyl-Ether	86		87		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG834577-1 WG834577-2								
Tertiary-Amyl Methyl Ether	88		89		70-130	1		30

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	106		102		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	102		102		70-130

# SEMIVOLATILES

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-02  
 Client ID: SB-1 (35-40)  
 Sample Location: GUILDERLAND, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 10/25/15 20:29  
 Analyst: KR  
 Percent Solids: 74%

Date Collected: 10/20/15 09:30  
 Date Received: 10/20/15  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 10/22/15 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	180	46.	1
Hexachlorobenzene	ND		ug/kg	140	42.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	63.	1
2-Chloronaphthalene	ND		ug/kg	230	74.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	60.	1
2,4-Dinitrotoluene	ND		ug/kg	230	49.	1
2,6-Dinitrotoluene	ND		ug/kg	230	58.	1
Fluoranthene	ND		ug/kg	140	42.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	69.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	52.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	80.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	68.	1
Hexachlorobutadiene	ND		ug/kg	230	64.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	140	1
Hexachloroethane	ND		ug/kg	180	41.	1
Isophorone	ND		ug/kg	200	60.	1
Naphthalene	ND		ug/kg	230	75.	1
Nitrobenzene	ND		ug/kg	200	54.	1
NDPA/DPA	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	67.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	59.	1
Butyl benzyl phthalate	ND		ug/kg	230	44.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	56.	1
Diethyl phthalate	ND		ug/kg	230	48.	1
Dimethyl phthalate	ND		ug/kg	230	57.	1
Benzo(a)anthracene	ND		ug/kg	140	44.	1
Benzo(a)pyrene	ND		ug/kg	180	55.	1
Benzo(b)fluoranthene	ND		ug/kg	140	46.	1
Benzo(k)fluoranthene	ND		ug/kg	140	43.	1

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-02  
 Client ID: SB-1 (35-40)  
 Sample Location: GUILDERLAND, NY

Date Collected: 10/20/15 09:30  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Chrysene	ND		ug/kg	140	44.	1
Acenaphthylene	ND		ug/kg	180	42.	1
Anthracene	ND		ug/kg	140	38.	1
Benzo(ghi)perylene	ND		ug/kg	180	47.	1
Fluorene	ND		ug/kg	230	65.	1
Phenanthrene	ND		ug/kg	140	44.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	44.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	50.	1
Pyrene	ND		ug/kg	140	44.	1
Biphenyl	ND		ug/kg	520	74.	1
4-Chloroaniline	ND		ug/kg	230	60.	1
2-Nitroaniline	ND		ug/kg	230	64.	1
3-Nitroaniline	ND		ug/kg	230	62.	1
4-Nitroaniline	ND		ug/kg	230	61.	1
Dibenzofuran	ND		ug/kg	230	75.	1
2-Methylnaphthalene	ND		ug/kg	270	72.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	70.	1
Acetophenone	ND		ug/kg	230	70.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	230	66.	1
2-Chlorophenol	ND		ug/kg	230	68.	1
2,4-Dichlorophenol	ND		ug/kg	200	73.	1
2,4-Dimethylphenol	ND		ug/kg	230	67.	1
2-Nitrophenol	ND		ug/kg	490	70.	1
4-Nitrophenol	ND		ug/kg	320	73.	1
2,4-Dinitrophenol	ND		ug/kg	1100	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	83.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	230	67.	1
2-Methylphenol	ND		ug/kg	230	73.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	74.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	73.	1
Carbazole	ND		ug/kg	230	49.	1
Benzaldehyde	ND		ug/kg	300	91.	1
Caprolactam	ND		ug/kg	230	62.	1
Atrazine	ND		ug/kg	180	51.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	230	38.	1

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE**Lab Number:** L1526710**Project Number:** CHARLES BOHL, INC.**Report Date:** 10/27/15**SAMPLE RESULTS**

Lab ID: L1526710-02

Date Collected: 10/20/15 09:30

Client ID: SB-1 (35-40)

Date Received: 10/20/15

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	74		18-120

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-03  
 Client ID: SB-2 (20-25)  
 Sample Location: GUILDERLAND, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 10/25/15 20:56  
 Analyst: KR  
 Percent Solids: 76%

Date Collected: 10/20/15 10:30  
 Date Received: 10/20/15  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 10/22/15 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	170	44.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	60.	1
2-Chloronaphthalene	ND		ug/kg	210	70.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	46.	1
2,6-Dinitrotoluene	ND		ug/kg	210	55.	1
Fluoranthene	ND		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	65.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	76.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	65.	1
Hexachlorobutadiene	ND		ug/kg	210	61.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	140	1
Hexachloroethane	ND		ug/kg	170	39.	1
Isophorone	ND		ug/kg	190	57.	1
Naphthalene	ND		ug/kg	210	71.	1
Nitrobenzene	ND		ug/kg	190	51.	1
NDPA/DPA	ND		ug/kg	170	45.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	64.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	56.	1
Butyl benzyl phthalate	ND		ug/kg	210	42.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	53.	1
Diethyl phthalate	ND		ug/kg	210	45.	1
Dimethyl phthalate	ND		ug/kg	210	55.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	43.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-03  
 Client ID: SB-2 (20-25)  
 Sample Location: GUILDERLAND, NY

Date Collected: 10/20/15 10:30  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Chrysene	ND		ug/kg	130	42.	1
Acenaphthylene	ND		ug/kg	170	40.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	ND		ug/kg	170	45.	1
Fluorene	ND		ug/kg	210	62.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	48.	1
Pyrene	ND		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	490	71.	1
4-Chloroaniline	ND		ug/kg	210	57.	1
2-Nitroaniline	ND		ug/kg	210	61.	1
3-Nitroaniline	ND		ug/kg	210	59.	1
4-Nitroaniline	ND		ug/kg	210	58.	1
Dibenzofuran	ND		ug/kg	210	72.	1
2-Methylnaphthalene	ND		ug/kg	260	69.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	67.	1
Acetophenone	ND		ug/kg	210	67.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	62.	1
2-Chlorophenol	ND		ug/kg	210	65.	1
2,4-Dichlorophenol	ND		ug/kg	190	70.	1
2,4-Dimethylphenol	ND		ug/kg	210	64.	1
2-Nitrophenol	ND		ug/kg	460	67.	1
4-Nitrophenol	ND		ug/kg	300	70.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	79.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	64.	1
2-Methylphenol	ND		ug/kg	210	69.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	70.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	70.	1
Carbazole	ND		ug/kg	210	46.	1
Benzaldehyde	ND		ug/kg	280	87.	1
Caprolactam	ND		ug/kg	210	59.	1
Atrazine	ND		ug/kg	170	49.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE**Lab Number:** L1526710**Project Number:** CHARLES BOHL, INC.**Report Date:** 10/27/15**SAMPLE RESULTS**

Lab ID: L1526710-03

Date Collected: 10/20/15 10:30

Client ID: SB-2 (20-25)

Date Received: 10/20/15

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	78		18-120

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-04  
 Client ID: SB-3 (10-13)  
 Sample Location: GUILDERLAND, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 10/25/15 21:22  
 Analyst: KR  
 Percent Solids: 73%

Date Collected: 10/20/15 12:00  
 Date Received: 10/20/15  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 10/22/15 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	180	46.	1
Hexachlorobenzene	ND		ug/kg	140	42.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	63.	1
2-Chloronaphthalene	ND		ug/kg	220	73.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	49.	1
2,6-Dinitrotoluene	ND		ug/kg	220	58.	1
Fluoranthene	ND		ug/kg	140	41.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	68.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	52.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	79.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	68.	1
Hexachlorobutadiene	ND		ug/kg	220	64.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	140	1
Hexachloroethane	ND		ug/kg	180	41.	1
Isophorone	ND		ug/kg	200	60.	1
Naphthalene	ND		ug/kg	220	75.	1
Nitrobenzene	ND		ug/kg	200	54.	1
NDPA/DPA	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	67.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	59.	1
Butyl benzyl phthalate	ND		ug/kg	220	44.	1
Di-n-butylphthalate	ND		ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	55.	1
Diethyl phthalate	ND		ug/kg	220	48.	1
Dimethyl phthalate	ND		ug/kg	220	57.	1
Benzo(a)anthracene	ND		ug/kg	140	44.	1
Benzo(a)pyrene	ND		ug/kg	180	55.	1
Benzo(b)fluoranthene	ND		ug/kg	140	45.	1
Benzo(k)fluoranthene	ND		ug/kg	140	43.	1

Project Name: C. BOHL, INC.-2312 WESTERN AVE

Lab Number: L1526710

Project Number: CHARLES BOHL, INC.

Report Date: 10/27/15

## SAMPLE RESULTS

Lab ID: L1526710-04  
 Client ID: SB-3 (10-13)  
 Sample Location: GUILDERLAND, NY

Date Collected: 10/20/15 12:00  
 Date Received: 10/20/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/kg	140	44.	1
Acenaphthylene	ND		ug/kg	180	42.	1
Anthracene	ND		ug/kg	140	37.	1
Benzo(ghi)perylene	ND		ug/kg	180	47.	1
Fluorene	ND		ug/kg	220	64.	1
Phenanthrene	ND		ug/kg	140	44.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	44.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	50.	1
Pyrene	ND		ug/kg	140	44.	1
Biphenyl	ND		ug/kg	510	74.	1
4-Chloroaniline	ND		ug/kg	220	59.	1
2-Nitroaniline	ND		ug/kg	220	64.	1
3-Nitroaniline	ND		ug/kg	220	62.	1
4-Nitroaniline	ND		ug/kg	220	61.	1
Dibenzofuran	ND		ug/kg	220	75.	1
2-Methylnaphthalene	ND		ug/kg	270	72.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	70.	1
Acetophenone	ND		ug/kg	220	70.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	65.	1
2-Chlorophenol	ND		ug/kg	220	68.	1
2,4-Dichlorophenol	ND		ug/kg	200	73.	1
2,4-Dimethylphenol	ND		ug/kg	220	67.	1
2-Nitrophenol	ND		ug/kg	490	70.	1
4-Nitrophenol	ND		ug/kg	320	73.	1
2,4-Dinitrophenol	ND		ug/kg	1100	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	82.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	67.	1
2-Methylphenol	ND		ug/kg	220	72.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	74.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	73.	1
Carbazole	ND		ug/kg	220	48.	1
Benzaldehyde	ND		ug/kg	300	91.	1
Caprolactam	ND		ug/kg	220	62.	1
Atrazine	ND		ug/kg	180	51.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	38.	1

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE**Lab Number:** L1526710**Project Number:** CHARLES BOHL, INC.**Report Date:** 10/27/15**SAMPLE RESULTS**

Lab ID: L1526710-04

Date Collected: 10/20/15 12:00

Client ID: SB-3 (10-13)

Date Received: 10/20/15

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	82		18-120

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

Lab ID: L1526710-05  
 Client ID: SB-4 (10-15)  
 Sample Location: GUILDERLAND, NY  
 Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 10/25/15 21:49  
 Analyst: KR  
 Percent Solids: 77%

Date Collected: 10/20/15 14:00  
 Date Received: 10/20/15  
 Field Prep: Not Specified  
 Extraction Method: EPA 3546  
 Extraction Date: 10/22/15 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	170	44.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	60.	1
2-Chloronaphthalene	ND		ug/kg	210	70.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	46.	1
2,6-Dinitrotoluene	ND		ug/kg	210	55.	1
Fluoranthene	ND		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	65.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	76.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	65.	1
Hexachlorobutadiene	ND		ug/kg	210	60.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	140	1
Hexachloroethane	ND		ug/kg	170	39.	1
Isophorone	ND		ug/kg	190	57.	1
Naphthalene	ND		ug/kg	210	71.	1
Nitrobenzene	ND		ug/kg	190	51.	1
NDPA/DPA	ND		ug/kg	170	45.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	64.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	56.	1
Butyl benzyl phthalate	ND		ug/kg	210	42.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	53.	1
Diethyl phthalate	ND		ug/kg	210	45.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	ND		ug/kg	130	42.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	43.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

**Lab ID:** L1526710-05  
**Client ID:** SB-4 (10-15)  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 10/20/15 14:00  
**Date Received:** 10/20/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Chrysene	ND		ug/kg	130	42.	1
Acenaphthylene	ND		ug/kg	170	40.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	ND		ug/kg	170	45.	1
Fluorene	ND		ug/kg	210	62.	1
Phenanthrene	ND		ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	48.	1
Pyrene	ND		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	490	71.	1
4-Chloroaniline	ND		ug/kg	210	57.	1
2-Nitroaniline	ND		ug/kg	210	60.	1
3-Nitroaniline	ND		ug/kg	210	59.	1
4-Nitroaniline	ND		ug/kg	210	58.	1
Dibenzofuran	ND		ug/kg	210	72.	1
2-Methylnaphthalene	ND		ug/kg	260	69.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	66.	1
Acetophenone	ND		ug/kg	210	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	62.	1
2-Chlorophenol	ND		ug/kg	210	65.	1
2,4-Dichlorophenol	ND		ug/kg	190	70.	1
2,4-Dimethylphenol	ND		ug/kg	210	64.	1
2-Nitrophenol	ND		ug/kg	460	67.	1
4-Nitrophenol	ND		ug/kg	300	70.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	79.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	64.	1
2-Methylphenol	ND		ug/kg	210	69.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	70.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	70.	1
Carbazole	ND		ug/kg	210	46.	1
Benzaldehyde	ND		ug/kg	280	87.	1
Caprolactam	ND		ug/kg	210	59.	1
Atrazine	ND		ug/kg	170	49.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE**Lab Number:** L1526710**Project Number:** CHARLES BOHL, INC.**Report Date:** 10/27/15**SAMPLE RESULTS**

Lab ID: L1526710-05

Date Collected: 10/20/15 14:00

Client ID: SB-4 (10-15)

Date Received: 10/20/15

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	85		18-120

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 10/25/15 14:19  
Analyst: KR

Extraction Method: EPA 3546  
Extraction Date: 10/22/15 15:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG833312-1					
Acenaphthene	ND		ug/kg	130	33.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NDPA/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 10/25/15 14:19  
 Analyst: KR

Extraction Method: EPA 3546  
 Extraction Date: 10/22/15 15:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG833312-1					
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: C. BOHL, INC.-2312 WESTERN AVE

Lab Number: L1526710

Project Number: CHARLES BOHL, INC.

Report Date: 10/27/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 10/25/15 14:19  
 Analyst: KR

Extraction Method: EPA 3546  
 Extraction Date: 10/22/15 15:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG833312-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	90		18-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG833312-2 WG833312-3								
Acenaphthene	85		84		31-137	1		50
Benzidine	70	Q	43		10-66	48		50
n-Nitrosodimethylamine	75		73		22-100	3		50
1,2,4-Trichlorobenzene	82		82		38-107	0		50
Hexachlorobenzene	86		82		40-140	5		50
Bis(2-chloroethyl)ether	80		76		40-140	5		50
2-Chloronaphthalene	85		83		40-140	2		50
1,2-Dichlorobenzene	80		78		40-140	3		50
1,3-Dichlorobenzene	78		76		40-140	3		50
1,4-Dichlorobenzene	78		77		28-104	1		50
3,3'-Dichlorobenzidine	72		63		40-140	13		50
2,4-Dinitrotoluene	106	Q	104	Q	28-89	2		50
2,6-Dinitrotoluene	99		96		40-140	3		50
Fluoranthene	91		87		40-140	4		50
4-Chlorophenyl phenyl ether	88		84		40-140	5		50
4-Bromophenyl phenyl ether	86		85		40-140	1		50
Azobenzene	86		83		40-140	4		50
Bis(2-chloroisopropyl)ether	79		76		40-140	4		50
Bis(2-chloroethoxy)methane	81		77		40-117	5		50
Hexachlorobutadiene	84		81		40-140	4		50
Hexachlorocyclopentadiene	105		104		40-140	1		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG833312-2 WG833312-3								
Hexachloroethane	79		78		40-140	1		50
Isophorone	81		79		40-140	3		50
Naphthalene	83		81		40-140	2		50
Nitrobenzene	87		86		40-140	1		50
NitrosoDiPhenylAmine(NDPA)/DPA	88		85		36-157	3		50
n-Nitrosodi-n-propylamine	80		79		32-121	1		50
Bis(2-Ethylhexyl)phthalate	94		89		40-140	5		50
Butyl benzyl phthalate	98		93		40-140	5		50
Di-n-butylphthalate	92		88		40-140	4		50
Di-n-octylphthalate	100		95		40-140	5		50
Diethyl phthalate	88		84		40-140	5		50
Dimethyl phthalate	89		84		40-140	6		50
Benzo(a)anthracene	89		85		40-140	5		50
Benzo(a)pyrene	88		85		40-140	3		50
Benzo(b)fluoranthene	88		82		40-140	7		50
Benzo(k)fluoranthene	85		84		40-140	1		50
Chrysene	85		83		40-140	2		50
Acenaphthylene	87		83		40-140	5		50
Anthracene	94		89		40-140	5		50
Benzo(ghi)perylene	88		84		40-140	5		50
Fluorene	89		85		40-140	5		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG833312-2 WG833312-3								
Phenanthrene	88		84		40-140	5		50
Dibenzo(a,h)anthracene	86		84		40-140	2		50
Indeno(1,2,3-cd)Pyrene	89		86		40-140	3		50
Pyrene	91		86		35-142	6		50
Biphenyl	96		93		54-104	3		50
Aniline	63		55		40-140	14		50
4-Chloroaniline	78		69		40-140	12		50
2-Nitroaniline	101		97		47-134	4		50
3-Nitroaniline	88		77		26-129	13		50
4-Nitroaniline	96		91		41-125	5		50
Dibenzofuran	87		85		40-140	2		50
2-Methylnaphthalene	86		83		40-140	4		50
1,2,4,5-Tetrachlorobenzene	93		89		40-117	4		50
Acetophenone	92		89		14-144	3		50
2,4,6-Trichlorophenol	96		95		30-130	1		50
P-Chloro-M-Cresol	91		88		26-103	3		50
2-Chlorophenol	83		82		25-102	1		50
2,4-Dichlorophenol	92		90		30-130	2		50
2,4-Dimethylphenol	97		90		30-130	7		50
2-Nitrophenol	96		94		30-130	2		50
4-Nitrophenol	107		104		11-114	3		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Lab Number:** L1526710

**Project Number:** CHARLES BOHL, INC.

**Report Date:** 10/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG833312-2 WG833312-3								
2,4-Dinitrophenol	72		85		4-130	17		50
4,6-Dinitro-o-cresol	95		94		10-130	1		50
Pentachlorophenol	80		79		17-109	1		50
Phenol	84		80		26-90	5		50
2-Methylphenol	86		83		30-130.	4		50
3-Methylphenol/4-Methylphenol	86		82		30-130	5		50
2,4,5-Trichlorophenol	88		86		30-130	2		50
Benzoic Acid	29		45		10-66	43		50
Benzyl Alcohol	86		82		40-140	5		50
Carbazole	90		87		54-128	3		50
Benzaldehyde	85		83		40-140	2		50
Caprolactam	103		98		15-130	5		50
Atrazine	103		99		40-140	4		50
2,3,4,6-Tetrachlorophenol	88		87		40-140	1		50
Pyridine	67		68		10-93	1		50
Parathion, ethyl	125		119		40-140	5		50
1-Methylnaphthalene	84		81		26-130	4		50

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG833312-2 WG833312-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> <i>Criteria</i>
2-Fluorophenol	81		79		25-120
Phenol-d6	81		79		10-120
Nitrobenzene-d5	82		81		23-120
2-Fluorobiphenyl	82		79		30-120
2,4,6-Tribromophenol	92		89		10-136
4-Terphenyl-d14	84		80		18-120

# **INORGANICS & MISCELLANEOUS**

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

**Lab ID:** L1526710-02  
**Client ID:** SB-1 (35-40)  
**Sample Location:** GUILDERLAND, NY  
**Matrix:** Soil

**Date Collected:** 10/20/15 09:30  
**Date Received:** 10/20/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.5		%	0.100	NA	1	-	10/21/15 12:24	30,2540G	RI



**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

**Lab ID:** L1526710-03  
**Client ID:** SB-2 (20-25)  
**Sample Location:** GUILDERLAND, NY  
**Matrix:** Soil

**Date Collected:** 10/20/15 10:30  
**Date Received:** 10/20/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.0		%	0.100	NA	1	-	10/21/15 12:24	30,2540G	RI



**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

**Lab ID:** L1526710-04  
**Client ID:** SB-3 (10-13)  
**Sample Location:** GUILDERLAND, NY  
**Matrix:** Soil

**Date Collected:** 10/20/15 12:00  
**Date Received:** 10/20/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.0		%	0.100	NA	1	-	10/21/15 12:24	30,2540G	RI



**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

**SAMPLE RESULTS**

**Lab ID:** L1526710-05  
**Client ID:** SB-4 (10-15)  
**Sample Location:** GUILDERLAND, NY  
**Matrix:** Soil

**Date Collected:** 10/20/15 14:00  
**Date Received:** 10/20/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.7		%	0.100	NA	1	-	10/21/15 12:24	30,2540G	RI



## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE

**Project Number:** CHARLES BOHL, IN

**Lab Number:** L1526710

**Report Date:** 10/27/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG832802-1 QC Sample: L1526678-01 Client ID: DUP Sample						
Solids, Total	80.0	79.6	%	1		20

**Project Name:** C. BOHL, INC.-2312 WESTERN AVE**Lab Number:** L1526710**Project Number:** CHARLES BOHL, INC.**Report Date:** 10/27/15**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information Custody Seal****Cooler**

A Absent

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1526710-01A	Vial Large Septa unpreserved (4o	A	N/A	5.6	Y	Absent	HOLD-8260(14)
L1526710-01A9	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	HOLD-8260(14)
L1526710-01B	Glass 250ml/8oz unpreserved	A	N/A	5.6	Y	Absent	HOLD-8270(14),HOLD-8082()
L1526710-02A	Vial Large Septa unpreserved (4o	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1526710-02A9	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1526710-02B	Glass 250ml/8oz unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1526710-03A	Vial Large Septa unpreserved (4o	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1526710-03A9	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1526710-03B	Glass 250ml/8oz unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1526710-04A	Vial Large Septa unpreserved (4o	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1526710-04A9	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1526710-04B	Glass 250ml/8oz unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)
L1526710-05A	Vial Large Septa unpreserved (4o	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1526710-05A9	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1526710-05B	Glass 250ml/8oz unpreserved	A	N/A	5.6	Y	Absent	NYTCL-8270(14),TS(7)

\*Values in parentheses indicate holding time in days



**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

#### Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** C. BOHL, INC.-2312 WESTERN AVE  
**Project Number:** CHARLES BOHL, INC.

**Lab Number:** L1526710  
**Report Date:** 10/27/15

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

---

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.

**EPA 8270D:** Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 625:** 4-Chloroaniline, 4-Methylphenol.

**SM4500:** Soil: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**EPA 8270D:** Biphenyl.

**EPA 2540D:** TSS

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

---

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

### Drinking Water

**EPA 200.8:** Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

**EPA 300.0:** Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

**EPA 332:** Perchlorate.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

### Non-Potable Water

**EPA 200.8:** Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

**EPA 200.7:** Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F,**

**EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

**EPA 624:** Volatile Halocarbons & Aromatics,

**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

# CHAIN OF CUSTODY

PAGE 1 OF 1



WESTBORO, MA  
TEL: 508-898-9220  
FAX: 508-898-9193

MANSFIELD, MA  
TEL: 508-822-9300  
FAX: 508-822-3288

ALPHA Job #: L1526710

Date Rec'd in Lab: 10/21/15

### Report Information - Data Deliverables

- FAX       EMAIL  
 ADEX       Add'l Deliverables

### Billing Information

Same as Client info      PO #:

### Client Information

Client: PS Property Solutions, Inc.  
Address:  
Phone:  
Fax:  
Email:

### Project Information

Project Name: C. Bohl, Inc. 2312 Western Ave.  
Project Location: Guildford, NY  
Project #: Scene  
Project Manager: P. SHANNON  
ALPHA Quote #:

### Regulatory Requirements/Report Limits

State /Fed Program      Criteria

### Turn-Around Time

- Standard       RUSH (only confirmed if pre-approved)

Date Due:      Time:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

**ANALYSIS**

- 0260 (Full)  
- 0270 (Full)  
- PCBs (total)

**SAMPLE HANDLING**

Filtration \_\_\_\_\_

Done

Not needed

Lab to do Preservation

Lab to do

(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Sample Specific Comments		
		Date	Time					
26710-01	Drain-1	10/20/15	0830	S	PS	X	X	<p style="text-align: center; font-size: 2em;">DRAIN-1 HOLD</p> <p>0-02 jar</p> <p>Per SB + thorough</p> <p>SB-4, possible</p> <p>add 1/10/15</p> <p>analysis</p>
02	SB-1 (35-40)	10/20/15	0930	S	PS	X	X	
03	SB-2 (20-25)	10/20/15	1030	S	PS	X	X	
04	SB-3 (10-13)	10/20/15	1200	S	PS	X	X	
05	SB-4 (10-15)	10/20/15	1400	S	PS	X	X	

Container Type: #02 802  
Preservative: --

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	10/20/15 4:15	Robert Haine AAL	10-20-15 4:15
<i>[Signature]</i>	10/20/15 2200	Jim Conley	10/20/15 2200
<i>[Signature]</i>	10/21/15 0015	Garth...	10/21/15 0015



## ANALYTICAL REPORT

Lab Number:	L1528307
Client:	PS Property Solutions, Inc. 10 Catherine Street Hudson Falls, NY 12839
ATTN:	Paul Shannon
Phone:	(518) 223-0458
Project Name:	2312 WESTERN AVE.
Project Number:	GUILDERLAND, NY
Report Date:	11/11/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1528307-01	MW-1	WATER	GUILDERLAND, NY	11/02/15 11:30	11/02/15
L1528307-02	MW-2	WATER	GUILDERLAND, NY	11/02/15 11:45	11/02/15
L1528307-03	MW-3	WATER	GUILDERLAND, NY	11/02/15 12:00	11/02/15
L1528307-04	MW-4	WATER	GUILDERLAND, NY	11/02/15 12:15	11/02/15

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

---

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

### Case Narrative (continued)

#### Report Submission

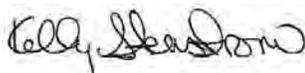
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

At the client's request, the analysis of Semivolatile Organics was performed on L1528307-02.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 11/11/15

# ORGANICS

# VOLATILES

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

Lab ID: L1528307-01  
 Client ID: MW-1  
 Sample Location: GUILDERLAND, NY  
 Matrix: Water  
 Analytical Method: 16,524.2  
 Analytical Date: 11/04/15 23:38  
 Analyst: MM

Date Collected: 11/02/15 11:30  
 Date Received: 11/02/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	0.50	0.15	1
1,1-Dichloroethane	ND		ug/l	0.50	0.09	1
Chloroform	ND		ug/l	0.50	0.05	1
Carbon tetrachloride	ND		ug/l	0.50	0.10	1
1,2-Dichloropropane	ND		ug/l	0.50	0.09	1
Dibromochloromethane	ND		ug/l	0.50	0.08	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.12	1
Tetrachloroethene	ND		ug/l	0.50	0.09	1
Chlorobenzene	ND		ug/l	0.50	0.08	1
Trichlorofluoromethane	ND		ug/l	0.50	0.11	1
1,2-Dichloroethane	ND		ug/l	0.50	0.08	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.08	1
Bromodichloromethane	ND		ug/l	0.50	0.05	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.09	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.10	1
Bromoform	ND		ug/l	0.50	0.09	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.09	1
Benzene	ND		ug/l	0.50	0.09	1
Toluene	ND		ug/l	0.50	0.12	1
Ethylbenzene	ND		ug/l	0.50	0.06	1
p/m-Xylene	ND		ug/l	0.50	0.12	1
Chloromethane	ND		ug/l	0.50	0.15	1
Bromomethane	ND		ug/l	0.50	0.13	1
Vinyl chloride	ND		ug/l	0.50	0.08	1
Chloroethane	ND		ug/l	0.50	0.12	1
1,1-Dichloroethene	ND		ug/l	0.50	0.06	1
trans-1,2-Dichloroethene	ND		ug/l	0.50	0.09	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.11	1
Trichloroethene	ND		ug/l	0.50	0.09	1
1,2-Dichlorobenzene	ND		ug/l	0.50	0.07	1

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

**Lab ID:** L1528307-01  
**Client ID:** MW-1  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 11/02/15 11:30  
**Date Received:** 11/02/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	0.50	0.05	1
1,4-Dichlorobenzene	ND		ug/l	0.50	0.05	1
Styrene	ND		ug/l	0.50	0.06	1
o-Xylene	ND		ug/l	0.50	0.09	1
1,1-Dichloropropene	ND		ug/l	0.50	0.11	1
2,2-Dichloropropane	ND		ug/l	0.50	0.11	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.09	1
1,2,3-Trichloropropane	ND		ug/l	0.50	0.11	1
Bromochloromethane	ND		ug/l	0.50	0.10	1
n-Butylbenzene	ND		ug/l	0.50	0.06	1
Dichlorodifluoromethane	ND		ug/l	0.50	0.10	1
Hexachlorobutadiene	ND		ug/l	0.50	0.11	1
Isopropylbenzene	ND		ug/l	0.50	0.08	1
p-Isopropyltoluene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.50	0.06	1
n-Propylbenzene	ND		ug/l	0.50	0.08	1
sec-Butylbenzene	ND		ug/l	0.50	0.06	1
tert-Butylbenzene	ND		ug/l	0.50	0.09	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	0.06	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	0.07	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	0.08	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	0.10	1
Bromobenzene	ND		ug/l	0.50	0.09	1
o-Chlorotoluene	ND		ug/l	0.50	0.10	1
p-Chlorotoluene	ND		ug/l	0.50	0.08	1
Dibromomethane	ND		ug/l	0.50	0.09	1
1,2-Dibromoethane	ND		ug/l	0.50	0.06	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	0.16	1
1,3-Dichloropropane	ND		ug/l	0.50	0.11	1
Methyl tert butyl ether	ND		ug/l	0.50	0.06	1
Xylenes, Total <sup>1</sup>	ND		ug/l	0.50	0.09	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	105		80-120
4-Bromofluorobenzene	97		80-120

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

Lab ID: L1528307-02  
 Client ID: MW-2  
 Sample Location: GUILDERLAND, NY  
 Matrix: Water  
 Analytical Method: 16,524.2  
 Analytical Date: 11/05/15 00:51  
 Analyst: MM

Date Collected: 11/02/15 11:45  
 Date Received: 11/02/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	0.50	0.15	1
1,1-Dichloroethane	ND		ug/l	0.50	0.09	1
Chloroform	0.19	J	ug/l	0.50	0.05	1
Carbon tetrachloride	ND		ug/l	0.50	0.10	1
1,2-Dichloropropane	ND		ug/l	0.50	0.09	1
Dibromochloromethane	ND		ug/l	0.50	0.08	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.12	1
Tetrachloroethene	8600	E	ug/l	0.50	0.09	1
Chlorobenzene	0.30	J	ug/l	0.50	0.08	1
Trichlorofluoromethane	ND		ug/l	0.50	0.11	1
1,2-Dichloroethane	ND		ug/l	0.50	0.08	1
1,1,1-Trichloroethane	0.35	J	ug/l	0.50	0.08	1
Bromodichloromethane	ND		ug/l	0.50	0.05	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.09	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.10	1
Bromoform	ND		ug/l	0.50	0.09	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.09	1
Benzene	ND		ug/l	0.50	0.09	1
Toluene	0.39	J	ug/l	0.50	0.12	1
Ethylbenzene	0.06	J	ug/l	0.50	0.06	1
p/m-Xylene	0.14	J	ug/l	0.50	0.12	1
Chloromethane	ND		ug/l	0.50	0.15	1
Bromomethane	ND		ug/l	0.50	0.13	1
Vinyl chloride	120	E	ug/l	0.50	0.08	1
Chloroethane	ND		ug/l	0.50	0.12	1
1,1-Dichloroethene	7.0		ug/l	0.50	0.06	1
trans-1,2-Dichloroethene	26		ug/l	0.50	0.09	1
cis-1,2-Dichloroethene	1500	E	ug/l	0.50	0.11	1
Trichloroethene	3500	E	ug/l	0.50	0.09	1
1,2-Dichlorobenzene	ND		ug/l	0.50	0.07	1

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

**Lab ID:** L1528307-02  
**Client ID:** MW-2  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 11/02/15 11:45  
**Date Received:** 11/02/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/l	0.50	0.05	1
1,4-Dichlorobenzene	ND		ug/l	0.50	0.05	1
Styrene	ND		ug/l	0.50	0.06	1
o-Xylene	0.46	J	ug/l	0.50	0.09	1
1,1-Dichloropropene	ND		ug/l	0.50	0.11	1
2,2-Dichloropropane	ND		ug/l	0.50	0.11	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.09	1
1,2,3-Trichloropropane	ND		ug/l	0.50	0.11	1
Bromochloromethane	ND		ug/l	0.50	0.10	1
n-Butylbenzene	ND		ug/l	0.50	0.06	1
Dichlorodifluoromethane	ND		ug/l	0.50	0.10	1
Hexachlorobutadiene	ND		ug/l	0.50	0.11	1
Isopropylbenzene	0.48	J	ug/l	0.50	0.08	1
p-Isopropyltoluene	ND		ug/l	0.50	0.07	1
Naphthalene	0.13	J	ug/l	0.50	0.06	1
n-Propylbenzene	0.14	J	ug/l	0.50	0.08	1
sec-Butylbenzene	ND		ug/l	0.50	0.06	1
tert-Butylbenzene	ND		ug/l	0.50	0.09	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	0.06	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	0.07	1
1,2,4-Trimethylbenzene	0.89		ug/l	0.50	0.08	1
1,3,5-Trimethylbenzene	0.38	J	ug/l	0.50	0.10	1
Bromobenzene	ND		ug/l	0.50	0.09	1
o-Chlorotoluene	ND		ug/l	0.50	0.10	1
p-Chlorotoluene	ND		ug/l	0.50	0.08	1
Dibromomethane	ND		ug/l	0.50	0.09	1
1,2-Dibromoethane	ND		ug/l	0.50	0.06	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	0.16	1
1,3-Dichloropropane	ND		ug/l	0.50	0.11	1
Methyl tert butyl ether	ND		ug/l	0.50	0.06	1
Xylenes, Total <sup>1</sup>	0.60	J	ug/l	0.50	0.09	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	100		80-120
4-Bromofluorobenzene	95		80-120

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

Lab ID: L1528307-02 D  
 Client ID: MW-2  
 Sample Location: GUILDERLAND, NY  
 Matrix: Water  
 Analytical Method: 16,524.2  
 Analytical Date: 11/11/15 11:29  
 Analyst: MM

Date Collected: 11/02/15 11:45  
 Date Received: 11/02/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	19000		ug/l	500	93.	1000
Vinyl chloride	ND		ug/l	500	77.	1000
cis-1,2-Dichloroethene	1700		ug/l	500	110	1000
Trichloroethene	4700		ug/l	500	85.	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	103		80-120
4-Bromofluorobenzene	94		80-120

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

Lab ID: L1528307-03 D  
 Client ID: MW-3  
 Sample Location: GUILDERLAND, NY  
 Matrix: Water  
 Analytical Method: 16,524.2  
 Analytical Date: 11/11/15 12:06  
 Analyst: MM

Date Collected: 11/02/15 12:00  
 Date Received: 11/02/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2500	740	5000
1,1-Dichloroethane	ND		ug/l	2500	470	5000
Chloroform	ND		ug/l	2500	250	5000
Carbon tetrachloride	ND		ug/l	2500	500	5000
1,2-Dichloropropane	ND		ug/l	2500	430	5000
Dibromochloromethane	ND		ug/l	2500	410	5000
1,1,2-Trichloroethane	ND		ug/l	2500	620	5000
Tetrachloroethene	65000		ug/l	2500	460	5000
Chlorobenzene	ND		ug/l	2500	380	5000
Trichlorofluoromethane	ND		ug/l	2500	540	5000
1,2-Dichloroethane	ND		ug/l	2500	420	5000
1,1,1-Trichloroethane	ND		ug/l	2500	410	5000
Bromodichloromethane	ND		ug/l	2500	260	5000
trans-1,3-Dichloropropene	ND		ug/l	2500	420	5000
cis-1,3-Dichloropropene	ND		ug/l	2500	510	5000
Bromoform	ND		ug/l	2500	440	5000
1,1,2,2-Tetrachloroethane	ND		ug/l	2500	430	5000
Benzene	ND		ug/l	2500	430	5000
Toluene	ND		ug/l	2500	580	5000
Ethylbenzene	ND		ug/l	2500	270	5000
p/m-Xylene	ND		ug/l	2500	580	5000
Chloromethane	ND		ug/l	2500	770	5000
Bromomethane	ND		ug/l	2500	630	5000
Vinyl chloride	4000		ug/l	2500	390	5000
Chloroethane	ND		ug/l	2500	610	5000
1,1-Dichloroethene	ND		ug/l	2500	300	5000
trans-1,2-Dichloroethene	ND		ug/l	2500	430	5000
cis-1,2-Dichloroethene	110000		ug/l	2500	570	5000
Trichloroethene	25000		ug/l	2500	430	5000
1,2-Dichlorobenzene	ND		ug/l	2500	340	5000

Project Name: 2312 WESTERN AVE.

Lab Number: L1528307

Project Number: GUILDERLAND, NY

Report Date: 11/11/15

## SAMPLE RESULTS

Lab ID: L1528307-03 D

Date Collected: 11/02/15 12:00

Client ID: MW-3

Date Received: 11/02/15

Sample Location: GUILDERLAND, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2500	240	5000
1,4-Dichlorobenzene	ND		ug/l	2500	260	5000
Styrene	ND		ug/l	2500	280	5000
o-Xylene	ND		ug/l	2500	460	5000
1,1-Dichloropropene	ND		ug/l	2500	560	5000
2,2-Dichloropropane	ND		ug/l	2500	540	5000
1,1,1,2-Tetrachloroethane	ND		ug/l	2500	430	5000
1,2,3-Trichloropropane	ND		ug/l	2500	560	5000
Bromochloromethane	ND		ug/l	2500	520	5000
n-Butylbenzene	ND		ug/l	2500	290	5000
Dichlorodifluoromethane	ND		ug/l	2500	500	5000
Hexachlorobutadiene	ND		ug/l	2500	550	5000
Isopropylbenzene	ND		ug/l	2500	400	5000
p-Isopropyltoluene	ND		ug/l	2500	370	5000
Naphthalene	ND		ug/l	2500	280	5000
n-Propylbenzene	ND		ug/l	2500	380	5000
sec-Butylbenzene	ND		ug/l	2500	280	5000
tert-Butylbenzene	ND		ug/l	2500	450	5000
1,2,3-Trichlorobenzene	ND		ug/l	2500	320	5000
1,2,4-Trichlorobenzene	ND		ug/l	2500	340	5000
1,2,4-Trimethylbenzene	ND		ug/l	2500	410	5000
1,3,5-Trimethylbenzene	ND		ug/l	2500	520	5000
Bromobenzene	ND		ug/l	2500	430	5000
o-Chlorotoluene	ND		ug/l	2500	530	5000
p-Chlorotoluene	ND		ug/l	2500	400	5000
Dibromomethane	ND		ug/l	2500	440	5000
1,2-Dibromoethane	ND		ug/l	2500	320	5000
1,2-Dibromo-3-chloropropane	ND		ug/l	2500	780	5000
1,3-Dichloropropane	ND		ug/l	2500	550	5000
Methyl tert butyl ether	ND		ug/l	2500	300	5000
Xylenes, Total <sup>1</sup>	ND		ug/l	2500	460	5000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	106		80-120
4-Bromofluorobenzene	94		80-120

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

**Lab ID:** L1528307-04  
**Client ID:** MW-4  
**Sample Location:** GUILDERLAND, NY  
**Matrix:** Water  
**Analytical Method:** 16,524.2  
**Analytical Date:** 11/05/15 02:40  
**Analyst:** MM

**Date Collected:** 11/02/15 12:15  
**Date Received:** 11/02/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	0.50	0.15	1
1,1-Dichloroethane	ND		ug/l	0.50	0.09	1
Chloroform	0.23	J	ug/l	0.50	0.05	1
Carbon tetrachloride	ND		ug/l	0.50	0.10	1
1,2-Dichloropropane	ND		ug/l	0.50	0.09	1
Dibromochloromethane	ND		ug/l	0.50	0.08	1
1,1,2-Trichloroethane	ND		ug/l	0.50	0.12	1
Tetrachloroethene	10000	E	ug/l	0.50	0.09	1
Chlorobenzene	0.72		ug/l	0.50	0.08	1
Trichlorofluoromethane	ND		ug/l	0.50	0.11	1
1,2-Dichloroethane	ND		ug/l	0.50	0.08	1
1,1,1-Trichloroethane	0.94		ug/l	0.50	0.08	1
Bromodichloromethane	ND		ug/l	0.50	0.05	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.09	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.10	1
Bromoform	ND		ug/l	0.50	0.09	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.09	1
Benzene	0.23	J	ug/l	0.50	0.09	1
Toluene	0.91		ug/l	0.50	0.12	1
Ethylbenzene	0.34	J	ug/l	0.50	0.06	1
p/m-Xylene	0.83		ug/l	0.50	0.12	1
Chloromethane	ND		ug/l	0.50	0.15	1
Bromomethane	ND		ug/l	0.50	0.13	1
Vinyl chloride	180	E	ug/l	0.50	0.08	1
Chloroethane	ND		ug/l	0.50	0.12	1
1,1-Dichloroethene	8.8		ug/l	0.50	0.06	1
trans-1,2-Dichloroethene	20		ug/l	0.50	0.09	1
cis-1,2-Dichloroethene	2200	E	ug/l	0.50	0.11	1
Trichloroethene	2900	E	ug/l	0.50	0.09	1
1,2-Dichlorobenzene	0.30	J	ug/l	0.50	0.07	1

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

**Lab ID:** L1528307-04  
**Client ID:** MW-4  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 11/02/15 12:15  
**Date Received:** 11/02/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	0.07	J	ug/l	0.50	0.05	1
1,4-Dichlorobenzene	0.38	J	ug/l	0.50	0.05	1
Styrene	ND		ug/l	0.50	0.06	1
o-Xylene	1.2		ug/l	0.50	0.09	1
1,1-Dichloropropene	ND		ug/l	0.50	0.11	1
2,2-Dichloropropane	ND		ug/l	0.50	0.11	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.09	1
1,2,3-Trichloropropane	ND		ug/l	0.50	0.11	1
Bromochloromethane	ND		ug/l	0.50	0.10	1
n-Butylbenzene	0.43	J	ug/l	0.50	0.06	1
Dichlorodifluoromethane	ND		ug/l	0.50	0.10	1
Hexachlorobutadiene	0.16	J	ug/l	0.50	0.11	1
Isopropylbenzene	2.6		ug/l	0.50	0.08	1
p-Isopropyltoluene	0.28	J	ug/l	0.50	0.07	1
Naphthalene	1.9		ug/l	0.50	0.06	1
n-Propylbenzene	0.98		ug/l	0.50	0.08	1
sec-Butylbenzene	1.2		ug/l	0.50	0.06	1
tert-Butylbenzene	0.76		ug/l	0.50	0.09	1
1,2,3-Trichlorobenzene	0.14	J	ug/l	0.50	0.06	1
1,2,4-Trichlorobenzene	0.14	J	ug/l	0.50	0.07	1
1,2,4-Trimethylbenzene	5.5		ug/l	0.50	0.08	1
1,3,5-Trimethylbenzene	2.0		ug/l	0.50	0.10	1
Bromobenzene	ND		ug/l	0.50	0.09	1
o-Chlorotoluene	ND		ug/l	0.50	0.10	1
p-Chlorotoluene	ND		ug/l	0.50	0.08	1
Dibromomethane	ND		ug/l	0.50	0.09	1
1,2-Dibromoethane	ND		ug/l	0.50	0.06	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	0.16	1
1,3-Dichloropropane	ND		ug/l	0.50	0.11	1
Methyl tert butyl ether	ND		ug/l	0.50	0.06	1
Xylenes, Total <sup>1</sup>	2.0		ug/l	0.50	0.09	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101		80-120
4-Bromofluorobenzene	114		80-120

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

Lab ID: L1528307-04 D  
 Client ID: MW-4  
 Sample Location: GUILDERLAND, NY  
 Matrix: Water  
 Analytical Method: 16,524.2  
 Analytical Date: 11/11/15 12:42  
 Analyst: MM

Date Collected: 11/02/15 12:15  
 Date Received: 11/02/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Tetrachloroethene	36000		ug/l	2000	370	4000
Vinyl chloride	ND		ug/l	2000	310	4000
cis-1,2-Dichloroethene	2900		ug/l	2000	460	4000
Trichloroethene	3200		ug/l	2000	340	4000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	106		80-120
4-Bromofluorobenzene	97		80-120

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 16,524.2  
Analytical Date: 11/11/15 07:15  
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG839643-2					
Methylene chloride	ND		ug/l	0.50	0.15
1,1-Dichloroethane	ND		ug/l	0.50	0.09
Chloroform	ND		ug/l	0.50	0.05
Carbon tetrachloride	ND		ug/l	0.50	0.10
1,2-Dichloropropane	ND		ug/l	0.50	0.09
Dibromochloromethane	ND		ug/l	0.50	0.08
1,1,2-Trichloroethane	ND		ug/l	0.50	0.12
Tetrachloroethene	0.26	J	ug/l	0.50	0.09
Chlorobenzene	ND		ug/l	0.50	0.08
Trichlorofluoromethane	ND		ug/l	0.50	0.11
1,2-Dichloroethane	ND		ug/l	0.50	0.08
1,1,1-Trichloroethane	ND		ug/l	0.50	0.08
Bromodichloromethane	ND		ug/l	0.50	0.05
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.09
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.10
Bromoform	ND		ug/l	0.50	0.09
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.09
Benzene	ND		ug/l	0.50	0.09
Toluene	ND		ug/l	0.50	0.12
Ethylbenzene	ND		ug/l	0.50	0.06
p/m-Xylene	ND		ug/l	0.50	0.12
Chloromethane	ND		ug/l	0.50	0.15
Bromomethane	ND		ug/l	0.50	0.13
Vinyl chloride	ND		ug/l	0.50	0.08
Chloroethane	ND		ug/l	0.50	0.12
1,1-Dichloroethene	ND		ug/l	0.50	0.06
trans-1,2-Dichloroethene	ND		ug/l	0.50	0.09
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.11
Trichloroethene	ND		ug/l	0.50	0.09

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 16,524.2  
Analytical Date: 11/11/15 07:15  
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG839643-2					
1,2-Dichlorobenzene	ND		ug/l	0.50	0.07
1,3-Dichlorobenzene	ND		ug/l	0.50	0.05
1,4-Dichlorobenzene	ND		ug/l	0.50	0.05
Styrene	ND		ug/l	0.50	0.06
o-Xylene	ND		ug/l	0.50	0.09
1,1-Dichloropropene	ND		ug/l	0.50	0.11
2,2-Dichloropropane	ND		ug/l	0.50	0.11
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.09
1,2,3-Trichloropropane	ND		ug/l	0.50	0.11
Bromochloromethane	ND		ug/l	0.50	0.10
n-Butylbenzene	ND		ug/l	0.50	0.06
Dichlorodifluoromethane	ND		ug/l	0.50	0.10
Hexachlorobutadiene	ND		ug/l	0.50	0.11
Isopropylbenzene	ND		ug/l	0.50	0.08
p-Isopropyltoluene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.50	0.06
n-Propylbenzene	ND		ug/l	0.50	0.08
sec-Butylbenzene	ND		ug/l	0.50	0.06
tert-Butylbenzene	ND		ug/l	0.50	0.09
1,2,3-Trichlorobenzene	ND		ug/l	0.50	0.06
1,2,4-Trichlorobenzene	ND		ug/l	0.50	0.07
1,2,4-Trimethylbenzene	ND		ug/l	0.50	0.08
1,3,5-Trimethylbenzene	ND		ug/l	0.50	0.10
Bromobenzene	ND		ug/l	0.50	0.09
o-Chlorotoluene	ND		ug/l	0.50	0.10
p-Chlorotoluene	ND		ug/l	0.50	0.08
Dibromomethane	ND		ug/l	0.50	0.09
1,2-Dibromoethane	ND		ug/l	0.50	0.06
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	0.16

Project Name: 2312 WESTERN AVE.

Lab Number: L1528307

Project Number: GUILDERLAND, NY

Report Date: 11/11/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 16,524.2

Analytical Date: 11/11/15 07:15

Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG839643-2					
1,3-Dichloropropane	ND		ug/l	0.50	0.11
Methyl tert butyl ether	ND		ug/l	0.50	0.06
Xylenes, Total <sup>1</sup>	ND		ug/l	0.50	0.09

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	99		80-120
4-Bromofluorobenzene	97		80-120

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 16,524.2  
Analytical Date: 11/04/15 17:31  
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG839643-6					
Methylene chloride	ND		ug/l	0.50	0.15
1,1-Dichloroethane	ND		ug/l	0.50	0.09
Chloroform	ND		ug/l	0.50	0.05
Carbon tetrachloride	ND		ug/l	0.50	0.10
1,2-Dichloropropane	ND		ug/l	0.50	0.09
Dibromochloromethane	ND		ug/l	0.50	0.08
1,1,2-Trichloroethane	ND		ug/l	0.50	0.12
Tetrachloroethene	ND		ug/l	0.50	0.09
Chlorobenzene	ND		ug/l	0.50	0.08
Trichlorofluoromethane	ND		ug/l	0.50	0.11
1,2-Dichloroethane	ND		ug/l	0.50	0.08
1,1,1-Trichloroethane	ND		ug/l	0.50	0.08
Bromodichloromethane	ND		ug/l	0.50	0.05
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.09
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.10
Bromoform	ND		ug/l	0.50	0.09
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.09
Benzene	ND		ug/l	0.50	0.09
Toluene	ND		ug/l	0.50	0.12
Ethylbenzene	ND		ug/l	0.50	0.06
p/m-Xylene	ND		ug/l	0.50	0.12
Chloromethane	ND		ug/l	0.50	0.15
Bromomethane	ND		ug/l	0.50	0.13
Vinyl chloride	ND		ug/l	0.50	0.08
Chloroethane	ND		ug/l	0.50	0.12
1,1-Dichloroethene	ND		ug/l	0.50	0.06
trans-1,2-Dichloroethene	ND		ug/l	0.50	0.09
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.11
Trichloroethene	ND		ug/l	0.50	0.09

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 16,524.2  
 Analytical Date: 11/04/15 17:31  
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG839643-6					
1,2-Dichlorobenzene	ND		ug/l	0.50	0.07
1,3-Dichlorobenzene	ND		ug/l	0.50	0.05
1,4-Dichlorobenzene	ND		ug/l	0.50	0.05
Styrene	ND		ug/l	0.50	0.06
o-Xylene	ND		ug/l	0.50	0.09
1,1-Dichloropropene	ND		ug/l	0.50	0.11
2,2-Dichloropropane	ND		ug/l	0.50	0.11
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.09
1,2,3-Trichloropropane	ND		ug/l	0.50	0.11
Bromochloromethane	ND		ug/l	0.50	0.10
n-Butylbenzene	ND		ug/l	0.50	0.06
Dichlorodifluoromethane	ND		ug/l	0.50	0.10
Hexachlorobutadiene	ND		ug/l	0.50	0.11
Isopropylbenzene	ND		ug/l	0.50	0.08
p-Isopropyltoluene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.50	0.06
n-Propylbenzene	ND		ug/l	0.50	0.08
sec-Butylbenzene	ND		ug/l	0.50	0.06
tert-Butylbenzene	ND		ug/l	0.50	0.09
1,2,3-Trichlorobenzene	ND		ug/l	0.50	0.06
1,2,4-Trichlorobenzene	ND		ug/l	0.50	0.07
1,2,4-Trimethylbenzene	ND		ug/l	0.50	0.08
1,3,5-Trimethylbenzene	ND		ug/l	0.50	0.10
Bromobenzene	ND		ug/l	0.50	0.09
o-Chlorotoluene	ND		ug/l	0.50	0.10
p-Chlorotoluene	ND		ug/l	0.50	0.08
Dibromomethane	ND		ug/l	0.50	0.09
1,2-Dibromoethane	ND		ug/l	0.50	0.06
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	0.16

Project Name: 2312 WESTERN AVE.

Lab Number: L1528307

Project Number: GUILDERLAND, NY

Report Date: 11/11/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 16,524.2

Analytical Date: 11/04/15 17:31

Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG839643-6					
1,3-Dichloropropane	ND		ug/l	0.50	0.11
Methyl tert butyl ether	ND		ug/l	0.50	0.06
Xylenes, Total <sup>1</sup>	ND		ug/l	0.50	0.09

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	99		80-120
4-Bromofluorobenzene	100		80-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG839643-1								
Methylene chloride	105		-		70-130	-		20
1,1-Dichloroethane	100		-		70-130	-		20
Chloroform	100		-		70-130	-		20
Carbon tetrachloride	92		-		70-130	-		20
1,2-Dichloropropane	105		-		70-130	-		20
Dibromochloromethane	81		-		70-130	-		20
1,1,2-Trichloroethane	101		-		70-130	-		20
Tetrachloroethene	95		-		70-130	-		20
Chlorobenzene	106		-		70-130	-		20
Trichlorofluoromethane	94		-		70-130	-		20
1,2-Dichloroethane	103		-		70-130	-		20
1,1,1-Trichloroethane	97		-		70-130	-		20
Bromodichloromethane	92		-		70-130	-		20
trans-1,3-Dichloropropene	91		-		70-130	-		20
cis-1,3-Dichloropropene	97		-		70-130	-		20
Bromoform	76		-		70-130	-		20
1,1,2,2-Tetrachloroethane	96		-		70-130	-		20
Benzene	105		-		70-130	-		20
Toluene	105		-		70-130	-		20
Ethylbenzene	106		-		70-130	-		20
p/m-Xylene	106		-		70-130	-		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG839643-1								
Chloromethane	96		-		70-130	-		20
Bromomethane	99		-		70-130	-		20
Vinyl chloride	96		-		70-130	-		20
Chloroethane	99		-		70-130	-		20
1,1-Dichloroethene	96		-		70-130	-		20
trans-1,2-Dichloroethene	101		-		70-130	-		20
cis-1,2-Dichloroethene	101		-		70-130	-		20
Trichloroethene	99		-		70-130	-		20
1,2-Dichlorobenzene	107		-		70-130	-		20
1,3-Dichlorobenzene	108		-		70-130	-		20
1,4-Dichlorobenzene	110		-		70-130	-		20
Styrene	105		-		70-130	-		20
o-Xylene	104		-		70-130	-		20
1,1-Dichloropropene	103		-		70-130	-		20
2,2-Dichloropropane	100		-		70-130	-		20
1,1,1,2-Tetrachloroethane	98		-		70-130	-		20
1,2,3-Trichloropropane	98		-		70-130	-		20
Bromochloromethane	98		-		70-130	-		20
n-Butylbenzene	107		-		70-130	-		20
Dichlorodifluoromethane	93		-		70-130	-		20
Hexachlorobutadiene	106		-		70-130	-		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG839643-1								
Isopropylbenzene	107		-		70-130	-		20
p-Isopropyltoluene	107		-		70-130	-		20
Naphthalene	98		-		70-130	-		20
n-Propylbenzene	105		-		70-130	-		20
sec-Butylbenzene	107		-		70-130	-		20
tert-Butylbenzene	107		-		70-130	-		20
1,2,3-Trichlorobenzene	106		-		70-130	-		20
1,2,4-Trichlorobenzene	108		-		70-130	-		20
1,2,4-Trimethylbenzene	105		-		70-130	-		20
1,3,5-Trimethylbenzene	106		-		70-130	-		20
Bromobenzene	108		-		70-130	-		20
o-Chlorotoluene	107		-		70-130	-		20
p-Chlorotoluene	108		-		70-130	-		20
Dibromomethane	96		-		70-130	-		20
1,2-Dibromoethane	98		-		70-130	-		20
1,2-Dibromo-3-chloropropane	77		-		70-130	-		20
1,3-Dichloropropane	102		-		70-130	-		20
Methyl tert butyl ether	96		-		70-130	-		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG839643-1

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
1,2-Dichlorobenzene-d4	102				80-120
4-Bromofluorobenzene	99				80-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG839643-5								
Methylene chloride	101		-		70-130	-		20
1,1-Dichloroethane	100		-		70-130	-		20
Chloroform	97		-		70-130	-		20
Carbon tetrachloride	94		-		70-130	-		20
1,2-Dichloropropane	97		-		70-130	-		20
Dibromochloromethane	89		-		70-130	-		20
1,1,2-Trichloroethane	104		-		70-130	-		20
Tetrachloroethene	98		-		70-130	-		20
Chlorobenzene	94		-		70-130	-		20
Trichlorofluoromethane	100		-		70-130	-		20
1,2-Dichloroethane	103		-		70-130	-		20
1,1,1-Trichloroethane	97		-		70-130	-		20
Bromodichloromethane	92		-		70-130	-		20
trans-1,3-Dichloropropene	92		-		70-130	-		20
cis-1,3-Dichloropropene	91		-		70-130	-		20
Bromoform	79		-		70-130	-		20
1,1,2,2-Tetrachloroethane	104		-		70-130	-		20
Benzene	100		-		70-130	-		20
Toluene	99		-		70-130	-		20
Ethylbenzene	93		-		70-130	-		20
p/m-Xylene	92		-		70-130	-		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG839643-5								
Chloromethane	110		-		70-130	-		20
Bromomethane	91		-		70-130	-		20
Vinyl chloride	104		-		70-130	-		20
Chloroethane	100		-		70-130	-		20
1,1-Dichloroethene	101		-		70-130	-		20
trans-1,2-Dichloroethene	100		-		70-130	-		20
cis-1,2-Dichloroethene	97		-		70-130	-		20
Trichloroethene	100		-		70-130	-		20
1,2-Dichlorobenzene	95		-		70-130	-		20
1,3-Dichlorobenzene	93		-		70-130	-		20
1,4-Dichlorobenzene	96		-		70-130	-		20
Styrene	93		-		70-130	-		20
o-Xylene	94		-		70-130	-		20
1,1-Dichloropropene	94		-		70-130	-		20
2,2-Dichloropropane	95		-		70-130	-		20
1,1,1,2-Tetrachloroethane	90		-		70-130	-		20
1,2,3-Trichloropropane	110		-		70-130	-		20
Bromochloromethane	100		-		70-130	-		20
n-Butylbenzene	81		-		70-130	-		20
Dichlorodifluoromethane	115		-		70-130	-		20
Hexachlorobutadiene	91		-		70-130	-		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307

**Report Date:** 11/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG839643-5								
Isopropylbenzene	89		-		70-130	-		20
p-Isopropyltoluene	85		-		70-130	-		20
Naphthalene	102		-		70-130	-		20
n-Propylbenzene	89		-		70-130	-		20
sec-Butylbenzene	89		-		70-130	-		20
tert-Butylbenzene	87		-		70-130	-		20
1,2,3-Trichlorobenzene	96		-		70-130	-		20
1,2,4-Trichlorobenzene	92		-		70-130	-		20
1,2,4-Trimethylbenzene	88		-		70-130	-		20
1,3,5-Trimethylbenzene	90		-		70-130	-		20
Bromobenzene	95		-		70-130	-		20
o-Chlorotoluene	96		-		70-130	-		20
p-Chlorotoluene	90		-		70-130	-		20
Dibromomethane	100		-		70-130	-		20
1,2-Dibromoethane	102		-		70-130	-		20
1,2-Dibromo-3-chloropropane	96		-		70-130	-		20
1,3-Dichloropropane	102		-		70-130	-		20
Methyl tert butyl ether	107		-		70-130	-		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG839643-5

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> <i>Criteria</i>
1,2-Dichlorobenzene-d4	102				80-120
4-Bromofluorobenzene	98				80-120

## Matrix Spike Analysis

Batch Quality Control

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG839643-4 QC Sample: L1528340-03 Client ID: MS Sample												
Methylene chloride	ND	4	4.6	114	-	-	-	-	70-130	-	-	20
1,1-Dichloroethane	ND	4	4.5	113	-	-	-	-	70-130	-	-	20
Chloroform	ND	4	4.5	113	-	-	-	-	70-130	-	-	20
Carbon tetrachloride	ND	4	4.5	114	-	-	-	-	70-130	-	-	20
1,2-Dichloropropane	ND	4	4.6	114	-	-	-	-	70-130	-	-	20
Dibromochloromethane	ND	4	3.6	91	-	-	-	-	70-130	-	-	20
1,1,2-Trichloroethane	ND	4	4.4	109	-	-	-	-	70-130	-	-	20
Tetrachloroethene	ND	4	4.3	108	-	-	-	-	70-130	-	-	20
Chlorobenzene	ND	4	4.6	114	-	-	-	-	70-130	-	-	20
Trichlorofluoromethane	ND	4	4.9	122	-	-	-	-	70-130	-	-	20
1,2-Dichloroethane	ND	4	4.4	111	-	-	-	-	70-130	-	-	20
1,1,1-Trichloroethane	ND	4	4.5	113	-	-	-	-	70-130	-	-	20
Bromodichloromethane	ND	4	4.1	104	-	-	-	-	70-130	-	-	20
trans-1,3-Dichloropropene	ND	4	3.7	92	-	-	-	-	70-130	-	-	20
cis-1,3-Dichloropropene	ND	4	4.2	104	-	-	-	-	70-130	-	-	20
Bromoform	ND	4	3.6	90	-	-	-	-	70-130	-	-	20
1,1,2,2-Tetrachloroethane	ND	4	3.9	99	-	-	-	-	70-130	-	-	20
Benzene	ND	4	4.6	114	-	-	-	-	70-130	-	-	20
Toluene	ND	4	4.5	113	-	-	-	-	70-130	-	-	20
Ethylbenzene	ND	4	4.5	113	-	-	-	-	70-130	-	-	20
p/m-Xylene	ND	8	8.9	111	-	-	-	-	70-130	-	-	20

## Matrix Spike Analysis

Batch Quality Control

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG839643-4 QC Sample: L1528340-03 Client ID: MS Sample												
Chloromethane	0.34J	4	4.5	113		-	-		70-130	-		20
Bromomethane	ND	4	4.4	109		-	-		70-130	-		20
Vinyl chloride	ND	4	4.5	113		-	-		70-130	-		20
Chloroethane	ND	4	4.7	118		-	-		70-130	-		20
1,1-Dichloroethene	ND	4	4.8	119		-	-		70-130	-		20
trans-1,2-Dichloroethene	ND	4	4.4	111		-	-		70-130	-		20
cis-1,2-Dichloroethene	1.1	4	5.5	109		-	-		70-130	-		20
Trichloroethene	ND	4	4.2	105		-	-		70-130	-		20
1,2-Dichlorobenzene	ND	4	4.6	114		-	-		70-130	-		20
1,3-Dichlorobenzene	ND	4	4.6	114		-	-		70-130	-		20
1,4-Dichlorobenzene	ND	4	4.6	115		-	-		70-130	-		20
Styrene	ND	4	4.0	99		-	-		70-130	-		20
o-Xylene	ND	4	4.4	111		-	-		70-130	-		20
1,1-Dichloropropene	ND	4	4.6	115		-	-		70-130	-		20
2,2-Dichloropropane	ND	4	4.3	107		-	-		70-130	-		20
1,1,1,2-Tetrachloroethane	ND	4	4.3	107		-	-		70-130	-		20
1,2,3-Trichloropropane	ND	4	4.2	105		-	-		70-130	-		20
Bromochloromethane	ND	4	4.3	108		-	-		70-130	-		20
n-Butylbenzene	ND	4	4.5	112		-	-		70-130	-		20
Dichlorodifluoromethane	ND	4	4.4	110		-	-		70-130	-		20
Hexachlorobutadiene	ND	4	4.7	119		-	-		70-130	-		20

## Matrix Spike Analysis

Batch Quality Control

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG839643-4 QC Sample: L1528340-03 Client ID: MS Sample												
Isopropylbenzene	ND	4	4.4	110		-	-		70-130	-		20
p-Isopropyltoluene	ND	4	4.2	106		-	-		70-130	-		20
Naphthalene	ND	4	3.9	97		-	-		70-130	-		20
n-Propylbenzene	ND	4	4.4	109		-	-		70-130	-		20
sec-Butylbenzene	ND	4	4.5	112		-	-		70-130	-		20
tert-Butylbenzene	ND	4	4.5	112		-	-		70-130	-		20
1,2,3-Trichlorobenzene	ND	4	4.2	105		-	-		70-130	-		20
1,2,4-Trichlorobenzene	ND	4	4.2	106		-	-		70-130	-		20
1,2,4-Trimethylbenzene	ND	4	4.1	103		-	-		70-130	-		20
1,3,5-Trimethylbenzene	ND	4	4.4	110		-	-		70-130	-		20
Bromobenzene	ND	4	4.6	115		-	-		70-130	-		20
o-Chlorotoluene	ND	4	4.5	113		-	-		70-130	-		20
p-Chlorotoluene	ND	4	4.6	114		-	-		70-130	-		20
Dibromomethane	ND	4	4.2	106		-	-		70-130	-		20
1,2-Dibromoethane	ND	4	4.2	105		-	-		70-130	-		20
1,2-Dibromo-3-chloropropane	ND	4	3.7	93		-	-		70-130	-		20
1,3-Dichloropropane	ND	4	4.4	109		-	-		70-130	-		20
Methyl tert butyl ether	ND	4	4.2	105		-	-		70-130	-		20

## Matrix Spike Analysis

Batch Quality Control

Project Name: 2312 WESTERN AVE.

Lab Number: L1528307

Project Number: GUILDERLAND, NY

Report Date: 11/11/15

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>MS Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>MSD Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>RPD Qual</i>	<i>RPD Limits</i>
------------------	----------------------	-----------------	-----------------	---------------------	----------------	------------------	----------------------	-----------------	------------------------	------------	-----------------	-------------------

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04    QC Batch ID: WG839643-4    QC Sample: L1528340-03    Client ID: MS Sample

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>MS Qualifier</i>	<i>MSD % Recovery</i>	<i>MSD Qualifier</i>	<i>Acceptance Criteria</i>
1,2-Dichlorobenzene-d4	102				80-120
4-Bromofluorobenzene	96				80-120

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 2312 WESTERN AVE.

Project Number: GUILDERLAND, NY

Lab Number: L1528307

Report Date: 11/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG839643-3 QC Sample: L1528340-03 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		20
1,1-Dichloroethane	ND	ND	ug/l	NC		20
Chloroform	ND	ND	ug/l	NC		20
Carbon tetrachloride	ND	ND	ug/l	NC		20
1,2-Dichloropropane	ND	ND	ug/l	NC		20
Dibromochloromethane	ND	ND	ug/l	NC		20
1,1,2-Trichloroethane	ND	ND	ug/l	NC		20
Tetrachloroethene	ND	ND	ug/l	NC		20
Chlorobenzene	ND	ND	ug/l	NC		20
Trichlorofluoromethane	ND	ND	ug/l	NC		20
1,2-Dichloroethane	ND	ND	ug/l	NC		20
1,1,1-Trichloroethane	ND	ND	ug/l	NC		20
Bromodichloromethane	ND	ND	ug/l	NC		20
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		20
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		20
Bromoform	ND	ND	ug/l	NC		20
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		20
Benzene	ND	ND	ug/l	NC		20
Toluene	ND	ND	ug/l	NC		20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 2312 WESTERN AVE.

Project Number: GUILDERLAND, NY

Lab Number: L1528307

Report Date: 11/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG839643-3 QC Sample: L1528340-03 Client ID: DUP Sample					
Ethylbenzene	ND	ND	ug/l	NC	20
p/m-Xylene	ND	ND	ug/l	NC	20
Chloromethane	0.34J	ND	ug/l	NC	20
Bromomethane	ND	ND	ug/l	NC	20
Vinyl chloride	ND	ND	ug/l	NC	20
Chloroethane	ND	ND	ug/l	NC	20
1,1-Dichloroethene	ND	ND	ug/l	NC	20
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	20
cis-1,2-Dichloroethene	1.1	1.1	ug/l	0	20
Trichloroethene	ND	ND	ug/l	NC	20
1,2-Dichlorobenzene	ND	ND	ug/l	NC	20
1,3-Dichlorobenzene	ND	ND	ug/l	NC	20
1,4-Dichlorobenzene	ND	ND	ug/l	NC	20
Styrene	ND	ND	ug/l	NC	20
o-Xylene	ND	ND	ug/l	NC	20
1,1-Dichloropropene	ND	ND	ug/l	NC	20
2,2-Dichloropropane	ND	ND	ug/l	NC	20
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC	20
1,2,3-Trichloropropane	ND	ND	ug/l	NC	20

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 2312 WESTERN AVE.

Project Number: GUILDERLAND, NY

Lab Number: L1528307

Report Date: 11/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG839643-3 QC Sample: L1528340-03 Client ID: DUP Sample					
Bromochloromethane	ND	ND	ug/l	NC	20
n-Butylbenzene	ND	ND	ug/l	NC	20
Dichlorodifluoromethane	ND	ND	ug/l	NC	20
Hexachlorobutadiene	ND	ND	ug/l	NC	20
Isopropylbenzene	ND	ND	ug/l	NC	20
p-Isopropyltoluene	ND	ND	ug/l	NC	20
Naphthalene	ND	ND	ug/l	NC	20
n-Propylbenzene	ND	ND	ug/l	NC	20
sec-Butylbenzene	ND	ND	ug/l	NC	20
tert-Butylbenzene	ND	ND	ug/l	NC	20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC	20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC	20
Bromobenzene	ND	ND	ug/l	NC	20
o-Chlorotoluene	ND	ND	ug/l	NC	20
p-Chlorotoluene	ND	ND	ug/l	NC	20
Dibromomethane	ND	ND	ug/l	NC	20
1,2-Dibromoethane	ND	ND	ug/l	NC	20

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG839643-3 QC Sample: L1528340-03 Client ID: DUP Sample					
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC	20
1,3-Dichloropropane	ND	ND	ug/l	NC	20
Methyl tert butyl ether	ND	ND	ug/l	NC	20
Xylene (Total) <sup>1</sup>	ND	ND	ug/l	NC	20
Trihalomethanes, Total	ND	ND	ug/l	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	104		103		80-120
4-Bromofluorobenzene	94		92		80-120



# SEMIVOLATILES

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

Lab ID: L1528307-02  
 Client ID: MW-2  
 Sample Location: GUILDERLAND, NY  
 Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 11/06/15 03:58  
 Analyst: AL

Date Collected: 11/02/15 11:45  
 Date Received: 11/02/15  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 11/05/15 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NDPA/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

**Lab ID:** L1528307-02  
**Client ID:** MW-2  
**Sample Location:** GUILDERLAND, NY

**Date Collected:** 11/02/15 11:45  
**Date Received:** 11/02/15  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	50		41-149

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

Lab ID: L1528307-02  
 Client ID: MW-2  
 Sample Location: GUILDERLAND, NY  
 Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/05/15 19:44  
 Analyst: KV

Date Collected: 11/02/15 11:45  
 Date Received: 11/02/15  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 11/05/15 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.12	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	0.34	J	ug/l	0.80	0.03	1

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**SAMPLE RESULTS**

Lab ID: L1528307-02  
 Client ID: MW-2  
 Sample Location: GUILDERLAND, NY

Date Collected: 11/02/15 11:45  
 Date Received: 11/02/15  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	<b>139</b>	Q	10-120
4-Terphenyl-d14	75		41-149

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 11/05/15 19:09  
 Analyst: AL

Extraction Method: EPA 3510C  
 Extraction Date: 11/05/15 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG837602-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NDPA/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
p-Chloro-m-cresol	ND		ug/l	2.0	0.54

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270D  
**Analytical Date:** 11/05/15 19:09  
**Analyst:** AL

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/05/15 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG837602-1					
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	64		41-149

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 11/05/15 18:04  
**Analyst:** KV

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/05/15 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG837603-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: 2312 WESTERN AVE.

Lab Number: L1528307

Project Number: GUILDERLAND, NY

Report Date: 11/11/15

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/05/15 18:04  
 Analyst: KV

Extraction Method: EPA 3510C  
 Extraction Date: 11/05/15 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG837603-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	145	Q	10-120
4-Terphenyl-d14	82		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 2312 WESTERN AVE.

Lab Number: L1528307

Project Number: GUILDERLAND, NY

Report Date: 11/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG837602-2 WG837602-3								
Acenaphthene	55		64		37-111	15		30
1,2,4-Trichlorobenzene	41		50		39-98	20		30
Benzidine	9	Q	2	Q	10-66	142	Q	30
n-Nitrosodimethylamine	35		43		22-100	21		30
Hexachlorobenzene	59		76		40-140	25		30
Bis(2-chloroethyl)ether	58		70		40-140	19		30
2-Chloronaphthalene	53		64		40-140	19		30
1,2-Dichlorobenzene	41		48		40-140	16		30
1,3-Dichlorobenzene	40		47		40-140	16		30
1,4-Dichlorobenzene	40		47		36-97	16		30
3,3'-Dichlorobenzidine	57		76		40-140	29		30
2,4-Dinitrotoluene	63		81		24-96	25		30
2,6-Dinitrotoluene	64		84		40-140	27		30
Azobenzene	58		72		40-140	22		30
Fluoranthene	61		78		40-140	24		30
4-Chlorophenyl phenyl ether	56		70		40-140	22		30
4-Bromophenyl phenyl ether	59		77		40-140	26		30
Bis(2-chloroisopropyl)ether	55		65		40-140	17		30
Bis(2-chloroethoxy)methane	62		75		40-140	19		30
Hexachlorobutadiene	37	Q	44		40-140	17		30
Hexachlorocyclopentadiene	32	Q	41		40-140	25		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG837602-2 WG837602-3								
Hexachloroethane	35	Q	40		40-140	13		30
Isophorone	64		77		40-140	18		30
Naphthalene	47		57		40-140	19		30
Nitrobenzene	58		73		40-140	23		30
NitrosoDiPhenylAmine(NDPA)/DPA	59		75		40-140	24		30
n-Nitrosodi-n-propylamine	63		75		29-132	17		30
Bis(2-Ethylhexyl)phthalate	62		76		40-140	20		30
Butyl benzyl phthalate	64		81		40-140	23		30
Di-n-butylphthalate	62		78		40-140	23		30
Di-n-octylphthalate	64		80		40-140	22		30
Diethyl phthalate	62		78		40-140	23		30
Dimethyl phthalate	61		76		40-140	22		30
Benzo(a)anthracene	58		73		40-140	23		30
Benzo(a)pyrene	59		74		40-140	23		30
Benzo(b)fluoranthene	60		73		40-140	20		30
Benzo(k)fluoranthene	57		73		40-140	25		30
Chrysene	61		76		40-140	22		30
Acenaphthylene	59		73		45-123	21		30
Anthracene	58		74		40-140	24		30
Benzo(ghi)perylene	61		76		40-140	22		30
Fluorene	56		72		40-140	25		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG837602-2 WG837602-3								
Phenanthrene	58		73		40-140	23		30
Dibenzo(a,h)anthracene	61		76		40-140	22		30
Indeno(1,2,3-cd)Pyrene	60		76		40-140	24		30
Pyrene	59		75		26-127	24		30
Biphenyl	53	Q	62		54-104	16		30
Aniline	34	Q	37	Q	40-140	8		30
4-Chloroaniline	59		83		40-140	34	Q	30
2-Nitroaniline	65		84		52-143	26		30
3-Nitroaniline	58		76		25-145	27		30
4-Nitroaniline	64		82		51-143	25		30
Dibenzofuran	56		69		40-140	21		30
2-Methylnaphthalene	48		58		40-140	19		30
1,2,4,5-Tetrachlorobenzene	47		54		2-134	14		30
Acetophenone	65		79		39-129	19		30
2,4,6-Trichlorophenol	70		86		30-130	21		30
P-Chloro-M-Cresol	66		82		23-97	22		30
2-Chlorophenol	60		72		27-123	18		30
2,4-Dichlorophenol	66		82		30-130	22		30
2,4-Dimethylphenol	66		79		30-130	18		30
2-Nitrophenol	65		80		30-130	21		30
4-Nitrophenol	38		49		10-80	25		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307

**Report Date:** 11/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG837602-2 WG837602-3								
2,4-Dinitrophenol	63		77		20-130	20		30
4,6-Dinitro-o-cresol	65		84		20-164	26		30
Pentachlorophenol	60		78		9-103	26		30
Phenol	29		35		12-110	19		30
2-Methylphenol	55		67		30-130	20		30
3-Methylphenol/4-Methylphenol	52		64		30-130	21		30
2,4,5-Trichlorophenol	67		86		30-130	25		30
Benzoic Acid	15		26		10-110	54	Q	30
Benzyl Alcohol	58		70		15-110	19		30
Carbazole	61		78		55-144	24		30
Pyridine	11		4	Q	10-66	89	Q	30
Benzaldehyde	70		84		40-140	18		30
Caprolactam	21		29		10-130	32	Q	30
Atrazine	68		85		40-140	22		30
2,3,4,6-Tetrachlorophenol	62		77		54-145	22		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2312 WESTERN AVE.

**Lab Number:** L1528307

**Project Number:** GUILDERLAND, NY

**Report Date:** 11/11/15

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
-----------	-------------------------	-------------	--------------------------	-------------	----------------------------	------------	-------------	----------------------

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG837602-2 WG837602-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	40		48		21-120
Phenol-d6	29		34		10-120
Nitrobenzene-d5	64		76		23-120
2-Fluorobiphenyl	61		76		15-120
2,4,6-Tribromophenol	63		81		10-120
4-Terphenyl-d14	61		78		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 2312 WESTERN AVE.

Lab Number: L1528307

Project Number: GUILDERLAND, NY

Report Date: 11/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG837603-2 WG837603-3								
Acenaphthene	86		64		37-111	29		40
2-Chloronaphthalene	101		73		40-140	32		40
Fluoranthene	106		79		40-140	29		40
Hexachlorobutadiene	118		81		40-140	37		40
Naphthalene	90		64		40-140	34		40
Benzo(a)anthracene	107		79		40-140	30		40
Benzo(a)pyrene	109		81		40-140	29		40
Benzo(b)fluoranthene	107		81		40-140	28		40
Benzo(k)fluoranthene	108		78		40-140	32		40
Chrysene	100		74		40-140	30		40
Acenaphthylene	105		77		40-140	31		40
Anthracene	97		72		40-140	30		40
Benzo(ghi)perylene	116		85		40-140	31		40
Fluorene	136		70		40-140	64	Q	40
Phenanthrene	93		70		40-140	28		40
Dibenzo(a,h)anthracene	118		86		40-140	31		40
Indeno(1,2,3-cd)Pyrene	117		86		40-140	31		40
Pyrene	104		78		26-127	29		40
2-Methylnaphthalene	97		70		40-140	32		40
Pentachlorophenol	110	Q	81		9-103	30		40
Hexachlorobenzene	141	Q	106		40-140	28		40

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG837603-2 WG837603-3								
Hexachloroethane	96		66		40-140	37		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		41		21-120
Phenol-d6	39		29		10-120
Nitrobenzene-d5	97		69		23-120
2-Fluorobiphenyl	98		73		15-120
2,4,6-Tribromophenol	<b>170</b>	Q	<b>122</b>	Q	10-120
4-Terphenyl-d14	89		66		41-149

Project Name: 2312 WESTERN AVE.

Lab Number: L1528307

Project Number: GUILDERLAND, NY

Report Date: 11/11/15

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information Custody Seal****Cooler**

A Absent

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1528307-01A	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-01B	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-01C	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-01D	Amber 1000ml unpreserved	A	8	4.8	Y	Absent	HOLD-8270(7)
L1528307-02A	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-02B	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-02C	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-02D	Amber 1000ml unpreserved	A	8	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1528307-03A	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-03B	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-03C	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-03D	Amber 1000ml unpreserved	A	8	4.8	Y	Absent	HOLD-8270(7)
L1528307-04A	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-04B	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-04C	Vial Ascorbic Acid/HCl preserved	A	N/A	4.8	Y	Absent	524.2(14)
L1528307-04D	Amber 1000ml unpreserved	A	8	4.8	Y	Absent	HOLD-8270(7)

\*Values in parentheses indicate holding time in days



**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

#### Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 2312 WESTERN AVE.  
**Project Number:** GUILDERLAND, NY

**Lab Number:** L1528307  
**Report Date:** 11/11/15

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 16 Methods for the Determination of Organic Compounds in Drinking Water - Supplement II. EPA/600/R-92/129, August 1992.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 8260C:** 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; Iodomethane (methyl iodide) (soil); Methyl methacrylate (soil); Azobenzene.

**EPA 8270D:** Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**EPA 625:** 4-Chloroaniline, 4-Methylphenol.

**SM4500:** Soil: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**EPA 8270D:** Biphenyl.

**EPA 2540D:** TSS

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

### Drinking Water

**EPA 200.8:** Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

**EPA 300.0:** Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

**EPA 332:** Perchlorate.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

### Non-Potable Water

**EPA 200.8:** Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

**EPA 200.7:** Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F,**

**EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

**EPA 624:** Volatile Halocarbons & Aromatics,

**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,

Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



**NEW YORK  
CHAIN OF  
CUSTODY**

Westborough, MA 01581  
8 Walkup Dr.  
TEL: 508-898-9220  
FAX: 508-898-9193

Mansfield, MA 02048  
320 Forbes Blvd  
TEL: 508-822-9300  
FAX: 508-822-3288

**Service Centers**  
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5  
Albany, NY 12205: 14 Walker Way  
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page  
1 of 1

Date Rec'd  
in Lab 11/3/15

ALPHA Job #  
152-8307

<b>Project Information</b>		<b>Deliverables</b>		<b>Billing Information</b>	
Project Name: <i>Charles Holt, Inc. - 2312 Western Ave</i>		<input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B		<input type="checkbox"/> Same as Client Info	
Project Location: <i>Guilderland, NY</i>		<input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)		PO #	
Project #		<input type="checkbox"/> Other			
Client Information		<b>Regulatory Requirement</b>		<b>Disposal Site Information</b>	
Client: <i>PS Property Solutions, Inc.</i>		<input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375		Please identify below location of applicable disposal facilities.	
Address: <i>PS Property Solutions, Inc.</i>		<input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51		Disposal Facility:	
Project Manager: <i>P. SHANNON</i>		<input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other		<input type="checkbox"/> NJ <input type="checkbox"/> NY	
ALPHAQuote #:		<input type="checkbox"/> NY Unrestricted Use		<input type="checkbox"/> Other:	
Turn-Around Time		<input type="checkbox"/> NYC Sewer Discharge			
Fax: <i>Inc.</i>		Standard <input checked="" type="checkbox"/> Due Date:			
Email:		Rush (only if pre approved) <input type="checkbox"/> # of Days:			

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS		Sample Filtration	Sample Specific Comments	Total Bottles
		Date	Time			EPA 524.2	8270 (FULL)			
<i>28307-01</i>	<i>MW-1</i>	<i>11/2/15</i>	<i>1130</i>	<i>W</i>	<i>PS</i>	<i>X</i>	<i>X</i>	<input type="checkbox"/> Done		<i>*HOLD 8270 FULL ANALYSIS</i>
<i>02</i>	<i>MW-2</i>	<i>11/2/15</i>	<i>1145</i>	<i>W</i>	<i>PS</i>	<i>X</i>	<i>X</i>	<input type="checkbox"/> Lab to do		
<i>03</i>	<i>MW-3</i>	<i>11/2/15</i>	<i>1200</i>	<i>W</i>	<i>PS</i>	<i>X</i>	<i>X</i>	<input type="checkbox"/> Lab to do		
<i>04</i>	<i>MW-4</i>	<i>11/2/15</i>	<i>1215</i>	<i>W</i>	<i>PS</i>	<i>X</i>	<i>X</i>	<input type="checkbox"/> Lab to do		

Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other	Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle	Westboro: Certification No: MA935 Mansfield: Certification No: MA015	Container Type: <i>WDA 1L Amber</i>	Preservative: <i>HCl VMP</i>	Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)
Relinquished By: <i>[Signature]</i>		Date/Time: <i>11/2/15 1455</i>	Received By: <i>[Signature]</i>		Date/Time: <i>11-2-15 1455</i>
Relinquished By: <i>[Signature]</i>		Date/Time: <i>11/2/15 2315</i>	Received By: <i>[Signature]</i>		Date/Time: <i>11-2-15 2315</i>
Relinquished By: <i>[Signature]</i>		Date/Time: <i>11/3/15 0210</i>	Received By: <i>[Signature]</i>		Date/Time: <i>11/3/15 0210</i>