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October 11, 2023

Michael Grifasi
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Re: Remedial Investigation Report
Whitesboro Dry Cleaners
Site #633054
Whitesboro, Oneida County

Dear Michael Grifasi,

I have reviewed the revised August 2023 *Remedial Investigation Report* for the refenced site. The previous comments have been addressed and I have no additional comments. The report is acceptable and can be finalized.

Sincerely,

Elyse DuBois
Project manager
Division of Environmental Remediation
Bureau E, Section A

Ec:
B. Rung

Intended for

New York State Department of Environmental Protection

Document type

FINAL Report

Date

October 2023

REMEDIAL INVESTIGATION FORMER WHITESBORO DRY CLEANERS

RAMBOLL Bright ideas. Sustainable change.

Confidential

REMEDIAL INVESTIGATION
FORMER WHITESBORO DRY CLEANERS

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Prepared by	**Scott Tucker and Michael Grifasi**
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I, **Bradley A. Kubiak**, certify that I am currently a NYS registered professional engineer and that this Remedial Investigation Report was prepared in accordance with applicable statutes and regulations and in substantial conformance with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation's *Technical Guidance for Site Investigation and Remediation* (DER-10; NYSDEC 2010b) and that activities were performed in accordance with the DER-approved work plan and DER-approved modifications.

081039	October 12, 2023	
NYS Professional Engineer #	Date	Signature

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LIST OF ACRONYMS

AFFF	Aqueous Film Forming Foam
bgs	below ground surface
cells/mL	cells per milliliter
cerA	*Dehalogenimonas spp.* functional gene
cis-1,2-DCE	cis-1,2-Dichloroethene
cm/sec	centimeters per second
COCs	Constituents of Concern
CSM	Conceptual Site Model
CVOCs	Chlorinated Volatile Organic Compounds
DNAPL	Dense Non-Aqueous Phase Liquid
DO	Dissolved Oxygen
DUSR	Data Usability Summary Report
EC	Emerging Contaminants
ECD	Electron Capture Detector
EDD	Electronic Data Deliverable
ELAP	Environmental Laboratory Approval Program
ETnE	Epoxyalkane Transferase
°F	Degrees Fahrenheit
FAP	Field Activities Plan
FID	Flame Ionization Detector
FS	Feasibility Study
ft	feet
ft/day	feet per day
ft^2	feet squared/square foot
FTS	Fluorotelomer Sulfonates
FWRIA	Fish and Wildlife Resource Impact Assessment
Gene-Trac	Gene-Trac® Method
Geologic	GeoLogic NY, Inc.
GIS	Global Information System
gpm	gallons per minute
GPRS	Ground Penetrating Radar Systems, LLC
HASP	Health and Safety Plan
ID	Identification
IDW	Investigation Derived Waste
ISOTEC	In-Situ Oxidative Technologies, Inc.
MEE	Methane/Ethane/Ethene
mg/kg	milligrams per kilogram
MTBE	Mmethyl Tert Butyl Ether
MIP	Membrane Interface Probe
ng/L	nanograms per liter
NAD83	North American Datum of 1983
NAVD88	North American Vertical Datum of 1988
NYCRR	New York Codes, Rules, and Regulations
NYLD	New York Leak Detection, Inc.
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health

NYSDOH Decision Matrices	NYSDOH Soil Vapor/Indoor Air Decision Matrices
NYSDOT	New York State Department of Transportation
OBG	O'Brien & Gere Engineers, Inc.
ORP	Oxygen Reduction Potential
ppm	parts per million
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Pentafluorobenzoic Acid
PFCA	Perfluorocarboxylic Acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PFSA	Perfluorosulfonic Acid
PhMO	Phenol Monooxygenase/Ph
PID	Photo-Ionization Detector
PMIA	Post Mitigation Indoor Air
PVC	Poly Vinyl Chloride
QAPP	Quality Assurance Project Plan
qcpr	quantitative polymerase chain reaction
QHHEA	Qualitative Human Health Exposure Assessment
RAO	Remedial Action Objective
RI	Remedial Investigation
RIR	Remedial Investigation Report
ROW	Right-of-Way
SCGs	Standards, Criteria, and Guidance
SCOs	Soil Cleanup Objectives
SGVs	Standards and Guidance Values
SIM	Select Ion Monitoring
SOD	Soil Oxidant Demand
SOW	Scope of Work
sMMO	Soluble Methane Monooxygenase
SSCOs	Supplemental Soil Cleanup Objectives
SSDS	Sub-Slab Depressurization System
SVOCs	Semi-Volatile Organic Compounds
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TDO	Toluene Dioxygenase
TIC	Tentatively Identifiable Compound
TMO	Toluene Monooxygenase
TOC	Total Organic Carbon
TOGs	Technical and Operational Guidance Series
trans-1,2-DCE	trans-1,2-Dichloroethene
UFPO	Underground Facilities Prevention Organization
µg/L	micrograms per liter
µg/m^3	micrograms per cubic meter
µV	microvolt
USEPA	United States Environmental Protection Agency

USGS	United States Geological Survey
VC	Vinyl Chloride
VI	Vapor Intrusion
VOCs	Volatile Organic Compounds
WA	Work Assignment
XSD	Halogen Specific Detector

EXECUTIVE SUMMARY

The Remedial Investigation (RI) of the former Whitesboro Dry Cleaners site on Oriskany Boulevard in the Village of Whitesboro, Town of Whitestown, Oneida County, New York (Site # 633054) was conducted by Ramboll Americas Engineering Solutions, Inc. (Ramboll), formerly known as O'Brien & Gere Engineers, Inc. (OBG) under Engineering Services Standby Contract Work Assignment (WA) #D007623-06 and #D009810-09.

For the purpose of this report, the property at 130-134 Oriskany Boulevard and 8 Owens Place is considered the "Site". Other properties are considered off-Site. Investigation activities included the evaluation of soil, groundwater, and air (potential for vapor intrusion [VI]).

The primary constituents of concern (COCs) associated with the Site include chloroform, tetrachloroethene (PCE) and associated degradation products: trans-1,2-dichloroethene (trans-1,2-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), trichloroethene (TCE), vinyl chloride (VC), and per- and polyfluoroalkyl substances (PFAS) compounds. Although not related to dry cleaning operations, lead was identified in Site soils and is considered a primary COC.

Soil exceeding regulatory criteria was generally limited to the Site with some exceptions. A potential source area was identified in soil in the Site parking lot east of the commercial building where a pipe end was observed in the building foundation.

Groundwater sampling was completed in the overburden. PCE and associated degradation product impacts to the groundwater have been observed in both the on-Site wells and off-Site downgradient wells. The highest concentrations of PCE have been observed in the vicinity of the pipe end observed in the foundation on the east side of the on-Site commercial building. From this well location, PCE impacts were observed in downgradient and off-Site wells to the north, east and south and in one on-Site well to the west of the on-Site commercial building. However, PCE and related constituents were not detected in the furthest off-Site downgradient wells.

Based on emerging contaminant (EC) sampling performed by the New York State Department of Environmental Conservation (NYSDEC) in April 2019, PFAS compounds were identified in groundwater in one upgradient/off-Site well, one on-Site well, and, and in one downgradient/off-Site well. At the request of the NYSDEC, PFAS were added as a COC in groundwater.

RI and historical activities identified elevated sub-slab concentrations of PCE beneath one off-Site residence (340W), the on-Site residence and the on-Site commercial building. Based on RI data and previously collected data, VI mitigation systems were installed during the RI in the on-Site residence and off-Site residence (340W). Additionally, a mitigation system was installed by the property owner at the on-Site commercial building.

1. INTRODUCTION

1.1 Project Background

The Remedial Investigation (RI) of the former Whitesboro Dry Cleaners site on Oriskany Boulevard in the Village of Whitesboro, Town of Whitestown, Oneida County, New York (Site # 633054) was conducted by Ramboll Americas Engineering Solutions, Inc. (Ramboll), formerly known as O'Brien & Gere Engineers, Inc. (OBG). The RI, conducted from March 2013 through February 2023 for the New York State Department of Environmental Conservation (NYSDEC) under Engineering Services Standby Contract Work Assignment (WA) #D007623-06 and D009810-09, is based on the investigations described herein and previous investigations completed by others. Applicable data from the historic reports have been included in relevant sections of this report. A Site location map is included as **Figure 1-1**.

For the purpose of this report, the former Whitesboro Dry Cleaners property is considered the "Site". The Site encompasses approximately 0.21 acres and contains two buildings: a commercial structure (130-134 Oriskany Boulevard) and a residential structure that is leased to tenants (8 Owens Place). Adjacent properties include private residences and parking lots that are presently considered "off-Site" properties. Off-Site private residences will only be referred to by a code (e.g., 334W) to protect the identity of the property owners. NYSDEC and New York State Department of Health (NYSDOH) have been provided a key that defines coded off-Site residences. The Site and off-Site properties are presented in **Figure 1-2**, where appropriate. The combined Site and off-Site properties will be discussed as the "RI Study Area."

This RI Report (RIR) summarizes the RI activities conducted in the RI Study Area from March 2013 through February 2023. RI results have been integrated with results from historical investigations (on-Site) to provide characterization of the Site and develop a conceptual site model (CSM). This RIR also presents a summary of VI mitigation system installations that completed at the request of NYSDEC.

The primary constituents of concern (COCs) associated with the Site include chloroform, tetrachloroethene (PCE) and associated degradation products: 1,2-dichloroethene (cis-1,2-DCE), trichloroethene (TCE), vinyl chloride (VC), and per- and polyfluoroalkyl substances (PFAS). Chloroform was historically used as a dry cleaning spot remover. PCE and associated degradation products have been used as solvents in the dry cleaning industry. Similarly, it is generally accepted that certain products associated with historical dry cleaner operations had the potential to contain PFAS. Although not related to dry cleaning operations, elevated concentrations of lead were observed in on-Site soils and is considered a primary COC.

Ramboll implemented RI activities in several phases at the Site and off-Site properties. Investigation activities included the evaluation of soil, groundwater, and potential for VI. The evaluation of potential for VI were separated from the evaluation of soil and groundwater RI activities to accommodate the need to conduct VI sampling during the 2013-2014, 2021-2022, and 2022-2023 heating seasons and access as granted by residences. Following VI sampling, VI mitigation systems in the form of sub-slab depressurization systems (SSDS) were installed at select locations as identified by NYSDOH based on the data collected.

1.1.1 Overview of Soil, Groundwater, and Vapor Intrusion RI Activities

A Schedule 1 dated January 2013 (OBG, 2013a) was prepared in response to WA #D007623-06 and was approved by the NYSDEC on January 30, 2013. A separate Schedule 1, dated December 18, 2020 (Ramboll, 2020c), was prepared in response to WA #D009810-09 and was approved by NYSDEC on January 19, 2021. The two NYSDEC approved Schedules 1 documents formed the RI investigation basis and will be further referred to as the Scope of Work (SOW). Based upon a review of the historical investigations at the Site, the SOW proposed data collection to evaluate the extent of impacts to on-Site soil and groundwater as well as off-Site groundwater, soil, and VI.

SOW modifications approved by the NYSDEC during the RI include the following:

- SOW Modification, July 8, 2013 (Parsons, 2013): This modification, approved by the NYSDEC on July 17, 2013, provided for management and disposal of investigation derived waste (IDW) during implementation of the RI.
- SOW Modification, August 27, 2015 (Parsons, 2015): This modification approved by the NYSDEC on September 15, 2015, provided for reallocation of costs to cover additional direct push drilling, surface soil sampling, overburden monitoring well installation, well development, groundwater sampling, surveying and reporting.

The sampling and analysis activities completed under WA #D007623-06 were conducted in accordance with the SOW and SOW Modifications, and the previously approved Field Activities Plan (FAP) (Parsons and OBG, 2011a), Quality Assurance Project Plan (QAPP), and the Health and Safety Plan (HASP) (Parsons and OBG, 2011b). The sampling and analysis activities completed under WA #D009810-09 were conducted in accordance with the SOW and previously approved FAP (Parsons and OBG, 2011a), QAPP (Ramboll, 2020b), and HASP (Ramboll, 2020a).

Field activities associated with soil and groundwater were completed in October 2014, March 2021 and July 2021. In addition, groundwater sampling activities conducted by the NYSDEC in 2019 have been included in subsequent and applicable sections of this RI report. Off-Site VI investigation activities were completed in March 2013, February 2022, and February 2023 and the validated results were submitted to the NYSDEC and NYSDOH. Response actions to off-Site VI results (SSDS installation) were identified to Ramboll by NYSDEC and NYSDOH. SSDS installation at the on-site residence (8 Owens) and off-Site residence (340W) were completed in 2013 and 2015, respectively.

1.2 Project Objectives

The objectives of the RI activities conducted at the Site and the off-Site properties were to:

- Collect data necessary to evaluate the nature and extent of chlorinated volatile organic compounds (CVOCs) that had been detected previously in soil, groundwater, and sub-slab soil vapor associated with the former dry cleaning operations at 130-134 Oriskany Boulevard (Site #633054)
- Evaluate the direction of groundwater flow in the overburden beneath and adjacent to the Site
- Evaluate air, surface soil, subsurface soil, and overburden groundwater quality at the Site and/or off-Site locations
- Evaluate potential migration pathways

- Evaluate potential VI to nearby residences and mitigate as necessary
- Evaluate the relationship between the contaminant source(s) and potentially exposed human receptor populations
- Complete a qualitative evaluation of actual or potential impacts to fish and wildlife resources from site-related constituents
- Gather data to support the feasibility study (FS), which will be completed following finalization of the RIR.

1.3 Document Format

This RIR is organized into the following sections:

Section 1 – Introduction
Section 2 – Site Background
Section 3 – Remedial Investigation Methods
Section 4 – Site Characteristics
Section 5 – Nature and Extent
Section 6 –Transport and Fate
Section 7 – Fish and Wildlife Resource Impact Analysis
Section 8 – Conceptual Site Model
Section 9 – Qualitative Human Health Exposure Assessment Summary
Section 10 – Summary and Conclusions
Section 11 – Preliminary Remedial Action Objectives

2. SITE BACKGROUND

2.1 Site Location and Description

The Site is located at 130-134 Oriskany Boulevard and 8 Owens Place in Whitesboro, New York (**Figure 1-1**). The Site property (**Figure 1-2**) is zoned for commercial use and is approximately 0.21 acres in size (tax parcel id 305.014-2-33). One commercial building and a residential building occupy the Site. Until the winter of 2013/2014 the commercial building, approximately 3,300 square feet (ft^2) in area, had three tenant spaces. Two tenant spaces were occupied by a financial planner and a dog groomer while the third was vacant. Currently, the commercial building has two tenant spaces that are occupied by a thrift store and a dog groomer. A small residence, approximate footprint of 1,100 ft^2, is located on the southeast corner of the Site. Currently the small on-Site residence is occupied. Water at the Site is publicly supplied.

The current owner, Joseph S. Bravo, purchased the property in 2001. Previously, the commercial building reportedly operated as a dry cleaning operation until the early 1990's (NYSDEC, 2012). The property is in an area surrounded by properties of mixed use. Nearby property uses are as follows:

- Adirondack Bank and Clinton Street to the north
- Mixed commercial (former standalone thrift store) and residential to the south
- Owens Place and residential buildings to the east
- Oriskany Boulevard and commercial buildings to the west

A building historically located immediately south of the Site commercial building, which was also owned by Joseph S. Bravo (tax parcel id 305.014-2-34.1), was once the location of the thrift store. The building was demolished and repurposed as a gravel parking lot in the winter of 2013/2014 (**Figure 1-2**) and the thrift store moved into the on-Site commercial building.

2.1.1 Site Topography and Drainage

The on-Site topography is primarily flat with a slight slope to the southeast. Most of the Site is either paved or covered with structures. Site drainage can be divided into two areas: drainage west of the commercial building and drainage east of the commercial building. Site drainage along the west side of the commercial building flows to the south along the building to a catch basin at the southern border of the property. Site drainage on the east side of the commercial building flow primarily east toward Owens Place where catch basins are present. Catch basins in Owens Place and Oriskany Boulevard reportedly discharge to Sauquoit Creek.

The Adirondack Bank property to the north sits approximately 2-feet (ft) higher than the Site. Due to this elevation difference, it is assumed that surface drainage flows along the parking lot surface from the Adirondack Bank property to catch basins in nearby streets.

2.2 Site History

The commercial building reportedly operated as a dry cleaning operation from 1966 or earlier until at least 1994 (Mokry, 2010).

Investigations at the Site and adjacent to the former Farrell's Garage Site (Spill #86-02108) (currently Adirondack Bank property), completed by NYSDEC between 2006 and 2010, revealed

the presence of PCE and associated breakdown products in soil and groundwater samples. The following presents a summary in chronological order of environmental investigation activities that were conducted. The summary includes a brief description of the activities and the results. Documentation pertaining to these investigations and activities is provided in **Exhibit A**.

- *November 2006 Quarterly Site Monitoring Report, Farrell's Garage (Formerly), 136 Oriskany Boulevard, Whitesboro, New York* by Nature's Way Environmental Consultants & Contractors, Inc., 7 Zuk Pierce Drive, Central Square, NY, dated December 12, 2006.
  - This report was connected to an ongoing groundwater monitoring program connected to a petroleum loss at the former Farrell's Garage (Spill #86-02108) located north of the Site (now occupied by the Adirondack Bank). This report documents potential subsurface contamination with CVOCs in wells adjacent to the former Whitesboro Dry Cleaners.
- *Subsurface Investigation Letter Report, Former Dry Cleaners Site, 103 Oriskany Boulevard, Whitesboro, New York* by OP-TECH Environmental Services, Inc., 1 Adler Dr, East Syracuse, NY, dated January 7, 2010.
  - This investigation was conducted to evaluate whether CVOCs observed at the former Farrell's Garage site originated at the former Whitesboro Dry Cleaners. The investigation included advancing eight soil borings, collection of eight soil samples, collection of four groundwater grab samples from soil borings, collection of a groundwater sample from monitoring well MW-14 on the former Farrell's Garage site and preparing a letter report. The results revealed that concentration of CVOCs in groundwater and soil samples closest To the former dry cleaners exceeded relevant NYSDEC screening criteria.

2.3 Regional Climate

The Site region has a humid continental climate with four distinct seasons. The average year-round daily high is 56.4 degrees Fahrenheit (°F). The average winter temperature is 24.1°F. The average summer temperature is 68.1°F. Precipitation falls throughout the year and the region, on average receives 44 inches per year. Discussions in this report involving meteorological data are from data provided by the Griffiss International Airport Station, which is approximately 8 miles northwest of the Site.

2.4 Geology/Hydrogeology

2.4.1 Regional Geology

The Site is in the Mohawk Valley geologic region of New York State, which is within the Erie-Ontario Lowlands physiographic region. The valley separates the Adirondack Mountains to the north from the Allegheny Plateau to the south. Regionally the surficial geology consists of recent alluvium, lacustrine sand, glacial outwash sand and gravel, and till (Cadwell, 1987). The till is a well graded, heterogeneous deposit consisting of clays, silts, sands, gravels, cobbles and boulders deposited beneath the glacier ice during the advancement of the continental ice sheet during the Wisconsin Glaciation. Overlying the till are glacial outwashes, kame deposits, lacustrine clays, silts, sands, and more recent alluvium. Deposition of these materials mainly occurred during the glacial retreat, while alluvium deposition continues today. Overburden thickness in the region varies based on topography and has a maximum thickness of 70 to 150 ft in the areas between Rome and Frankfort (Halberg et al., 1962). Bedrock is Upper Ordovician and Lower Silurian shales and sandstones with beds of dolomite estimated at 40 ft below ground

surface (bgs; USGS, 1988). Bedrock was not encountered at the site during the RI or during previous investigations.

2.4.2 Regional Hydrogeology

Regional groundwater flow through the overburden is to the northeast towards the Mohawk River, which ultimately discharges to the Hudson River to the east. The most productive aquifers in the region are the glacial outwash deposits commonly found in the river valleys across the region with an average yield of 80 gallons per minute (gpm; Halberg et al., 1962). Drinking water is supplied to the area by the Mohawk Water Valley Authority and there are no known uses of groundwater as drinking water in the RI Study Area, as shown in **Figure 1-2**.

Regional groundwater flow in the bedrock is generally along the joints and bedding planes. The existing bedrock wells in the region have an average yield of less than 8 gpm (Halberg et al., 1962).

2.5 Surface Water Hydrology

Sauquoit Creek is located approximately 1,800 ft to the south of the Site and is the closest surface water body to the Site (**Figure 1-1**). This creek flows to the northeast and empties into the Mohawk River located 3,900 ft northeast of the Site. The Mohawk River flows to the east.

3. REMEDIAL INVESTIGATION METHODS

This section discusses the methodologies employed to complete the RI field tasks. The RI was completed in multiple mobilizations from March 2013 through February 2023 to meet the objectives discussed in **Section 1.2**. The RI field activities were completed in accordance with procedures provided in the FAP (Parsons and OBG, 2011a), QAPP (Parsons and OBG, 2011b and Ramboll, 2020b), and the HASP (Parsons and OBG, 2011b and Ramboll, 2020a), and the SOW.

The investigations were completed to characterize the nature and extent of Site COCs and the transport and fate of the Site COCs in the subsurface.

Tasks associated in preparation of the RI field activities include:
- Gaining property access (**Section 3.1**)
- Contracting of subcontractors, field equipment (**Section 3.2**), and
- Marking of subsurface utilities (**Section 3.3**)

The RI activities included characterization of soil and groundwater, and the potential for VI both on-Site and off-Site. The RI activities include a variety of investigation techniques. Overburden soil characterization was conducted through field screening (**Section 3.4.1**), subsurface soils (**Section 3.4.2**), and the collection of surface soils (**Section 3.4.3**).

Groundwater characterization involved the installation of monitoring wells (**Sections 3.5.1**), well development (**Section 3.5.2**), in-situ hydraulic conductivity testing (**Section 3.5.3**), groundwater elevation monitoring (**Section 3.5.4**), and collecting and analyzing groundwater samples from monitoring wells (**Section 3.5.5**).

VI activities included evaluation of off-Site sub-slab soil vapor, *indoor air,* and installation of SSDS systems at on-Site (**Sections 3.6.1**) and off-Site (**Sections 3.6.2**) locations.

3.1 Property Access

On-Site

The Site (130-134 Oriskany Boulevard and 8 Owens Place) is currently owned by Mr. Joseph Bravo and Ms. Bonnie Bravo. At the time of implementation of the RI and at the completion of this report, the commercial building was occupied by two separate tenants. At the time of the RI and at the completion of this report, the on-Site residence was occupied. Prior to RI field activities, property access letters (**Appendix A**) were sent to the Site property owner citing Environmental Conservation Law, which authorizes NYSDEC to access the Site.

Off-Site

Prior to RI field activities, access agreements were obtained for work completed at off-Site residences and on New York State Department of Transportation (NYSDOT) right-of-way (ROW). NYSDOT ROW access was necessary west of the Site on Oriskany Boulevard. Consistent with NYSDOT requirements, a Highway Work Permit was obtained by the driller GeoLogic NY, Inc. (Geologic) (**Appendix B**). A Use and Occupancy Permit was issued and subsequently forwarded to the NYSDEC for the monitoring well that was installed (*MW-24*). Additionally, access to the off-Site property at 25 Clinton Street (parking lot for storage) was utilized for temporary staging of materials and IDW.

For the purpose of VI sampling, and/or mitigation system installation, property access agreements were executed between the NYSDEC and the associated property owners (**Appendix C**).

3.2 Mobilization

Prior to RI fieldwork initiation, subcontractors appropriate to the planned tasks were retained. Field equipment required to complete the task was secured, a storage area was set up, and arrangements were made with the analytical laboratory for sample containers.

3.3 Identification of Subsurface Utilities and Building Drain Features

Prior to intrusive field activities initiation, an underground facilities protective organization (UFPO) request was submitted to Dig Safely New York by the drilling subcontractors, however UFPO only cleared utilities on public property. Therefore, on-Site building and exterior utilities that were not subject to the UFPO were conducted by New York Leak Detection, Inc. (NYLD) and Ground Penetrating Radar Systems, LLC (GPRS) – both private utility locating entities. Additionally, utilities on public property were verified by the private companies for accuracy. A Ramboll representative was on-Site at the time work was performed by the utility locating companies. A map of subsurface utilities located during the RI is included as **Figure 3-1**.

3.4 Soil Characterization

Based upon the results from the previous site investigations, on-Site subsurface soils were identified as needing further characterization (**Section 3.4.2**). A summary of the soil samples collected during the RI including sample ID, sample depth, and sample analysis is presented in **Table 3-1**. Locations of soil samples collected during the RI and historical investigations are presented in **Figure 3-2**. Soil sample results from historic investigations are presented with the full investigative reports, which are provided in **Exhibit A**. A laboratory analytical matrix for the samples collected during the RI (but excluding bench-scale treatability study sampling conducted in support of the forthcoming FS), including the sampling event, sample matrix, analyte, and analytical method is presented as **Table 3-2**.

3.4.1 Source Characterization

Membrane Interface Probe Screening

Membrane interface probe (MIP) is a direct push tool used to log the relative concentration of volatile organic compounds (VOCs) with depth in soil. The MIP tool used during the RI was equipped with five continuously-logging instruments: photoionization detector (PID), electron capture detector (ECD), flame ionization detector (FID), halogen specific detector (XSD) and electrical conductivity. Below is a list of general uses of each tool:

- PID
  - Useful for detecting PCE, TCE and cis-1,2-DCE
  - Typically, more accurate when concentration range of other tools is exceeded
- FID
  - Useful for detections of hydrocarbons
  - Useful for confirmation of high detections in other tools
- XSD
  - Useful for detection of chlorinated solvents (e.g., PCE, TCE)
- Electrical conductivity

- Useful for differentiating between geologic units

MIP screening was conducted at twenty-seven locations to evaluate the presence and distribution of organic compounds in soil in the vicinity of former dry cleaning operations, which was the suspected source of CVOCs in the soil and groundwater (**Figure 3-2**). These locations were selected in the field based upon proximity to the potential source area as identified in the Subsurface Investigation Letter Report (Mokry, 2010) and were expanded outward as Site access permitted, to identify the source area and extent of impacts.

MIP screening was completed during two events, the first event was implemented between April 2 and April 5, 2013, and the second between July 21 and July 22, 2021. The MIP was advanced by Vironex (now Cascade) during the first event and by Parratt-Wolff, Inc (Parratt-Wolff) during the second event. The MIP borings were advanced until refusal was encountered. During the second event, MIP was attempted inside the commercial building; however, at the second boring location in the northern portion of the building, shallow refusal was encountered and there was concern that damage to the building slab may occur. As a result, MIP was not completed in the northern portion of the building. The MIP logs are provided as **Appendix D**.

Correlation Sampling
For the purposes of evaluating the source area for Site COCs, the XSD was selected as the appropriate detector for evaluating potential soil impacts. Based upon the MIP results, ten locations (MW-19, MW-20, MW-26, SB-9, SB-15, SB-16, SB-23R, SB-28R, SB-29R, and SB-34) were selected for soil sample collection for use in correlating the screening results with concentrations of organic compounds (**Figure 3-2**). Correlation results are discussed **in Section 5.1.4**.

Soil samples were collected continuously with a Macro-Core® until refusal at each location. Upon retrieval, each soil sample was described for: 1) percent recovery; 2) soil type; 3) color; 4) moisture content; 5) texture; 6) grain size and shape; 7) consistency; 8) evidence of staining or other chemically related impacts; and 9) any other relevant observations. In addition, soil was screened with a PID to allow evaluation of the bulk volatile organic concentration of each soil sample. This descriptive information was recorded on a soil boring log form (**Appendix E**). Sample location identification (ID), sample depth interval, and rationale for sampling are presented as **Table 3-3**. Samples were submitted to CHEMTECH or Eurofins Test America, both Environmental Laboratory Approval Program (ELAP) certified laboratories (ELAP# 11376 and 10026) in, respectfully, Mountainside, New Jersey and Buffalo, New York, for analysis as outlined in **Table 3-2**.

3.4.2 Subsurface Soils
Subsurface soil samples, greater than 0.17 ft bgs, were collected to assess the presence and distribution of site-related COCs in the subsurface soils. Site CVOC characterization samples were also used to evaluate MIP readings. Subsurface soil samples collected for the purpose of evaluating MIP readings and source characterization were discussed in **Section 3.4.1**. A Macro-Core® sampler was advanced at each location by Vironex/Geologic/Parratt-Wolff until probe refusal using direct push methods.

2013 Drilling Activities

On April 5, 2013, one soil boring (SB-9) was advanced by Vironex. One subsurface soil sample collected at SB-9 was analyzed for VOCs plus tentatively identified compounds (TICs), semi-volatile organic compounds (SVOCs) plus TICs, pesticides, herbicides, polychlorinated biphenyls (PCBs), and metals (including mercury and cyanide) (**Figure 3-2** and **Table 3-2**). Three additional samples from SB-9 along with five samples from two additional soil borings (SB-15 and SB-16, advanced by Vironex) were collected on the same date and analyzed for VOCs plus TICs. Subsurface soil samples (0.5 to 1.0 ft and 1.0 to 2.0 ft bgs) were collocated with surface soils at three locations (SS-1, SS-2, SS-3) and submitted for analysis of VOCs plus TICs, SVOCs plus TICs, pesticides, herbicides, PCBs, and metals (including mercury and cyanide).

On April 17 and April 18, 2013, two monitoring wells (MW-19 and MW-20) were completed on-Site by Geologic. Two soil samples from each location were collected and analyzed for VOCs plus TICS.

At the request of NYSDEC, on November 21 and November 22, 2013, two additional wells (MW-24 and MW-25) were installed at off-Site locations by Geologic to further define the extent of impacts to groundwater. One additional soil sample was collected from each location and analyzed for TCL VOCs plus TICs by United States Environmental Protection Agency (USEPA) Method 8260 and SVOCs plus TICs by USEPA Method 8270 to evaluate soil quality at those locations.

2014 Drilling Activities

On September 11 and September 12, 2014, at the request of the NYSDEC, one additional well (MW-26) and six additional soil borings were installed at off-Site and on-Site locations by Geologic to further define the extent of impacts to groundwater and subsurface soils. Three of new soil borings (SB-31, SB-32, SB-33) were completed in the gravel parking lot after the demolition of the former thrift store building to the south of the Site. Thirteen total additional soil samples were collected and analyzed for TCL VOCs plus TICs by USEPA Method 8260 to evaluate soil quality at those locations. Soil borings were advanced as described in **Section 3.4.1**. Soil boring logs are presented in **Appendix E**.

Samples were submitted to CHEMTECH in Mountainside, New Jersey for analysis. Sample IDs and analyses are presented in **Table 3-1**.

2021 Drilling Activities

On July 21 and July 22, 2021, eight additional soil borings were advanced at on-Site locations by Parratt-Wolff to further define the extent of impacts to subsurface soils. The scope of work identified three interior borings; however, the concrete floor of the building began chipping, and to avoid damage, the remaining interior soil borings were not completed. As a result, only one soil boring (SB-34) was completed inside of the thrift store building. Three soil borings (SB-35, SB-36, and SB-41) were advanced in the gravel parking lot to the South of the Site and four soil borings (SB-37, SB-38, SB-39, and SB-40) were advanced in the paved parking lot to the North of the Site (**Figure 3-2**). Soil borings SB-34 through SB-38 were advanced as described in **Section 3.4.1**, with one exception: the MIP set up did not include an ECD. The MIP logs are provided as **Appendix D**. Soil borings SB-39, SB-40, and SB-41, advanced using direct push

methods, were completed for the purposes of supporting the FS but did not include MIP screening. Soil boring logs are presented in **Appendix E**.

Three soil samples (two primary and one duplicate sample) were collected from two depth intervals at SB-34 and submitted to Eurofins Test America in Amherst, New York for analysis of TCL VOCs by USEPA Method 8260. Sample IDs and analyses are presented in **Table 3-1**.

Additionally, three soil samples were collected from soil borings SB-39, SB-40, and SB-41 to support the bench-scale treatability study ahead of the FS. The three soil samples were sent to In-Situ Oxidative Technologies, Inc. (ISOTEC) in Lawrenceville, New Jersey for the bench-scale treatability study. The bench-scale treatability study was performed to evaluate the VOC treatment efficiency of the chemical oxidant sodium permanganate and included the evaluation of soil oxidant demand (SOD) of permanganate (SOD-test), evaluation of the use of surfactants to optimize desorption of VOCs from soils (Desorption-test), and the evaluate the effectiveness of VOC treatment using sodium permanganate and the selected surfactant (COC-test). Results of the ISOTEC bench-scale treatability study will be discussed in the forthcoming FS.

3.4.3 Surface Soils

The surface soil evaluation purpose was to assess the presence of COCs in surface soils (0 to 0.17 ft bgs) that could potentially represent an exposure pathway. Additional samples were collected up to 2 ft bgs to evaluate soil quality for use as a soil cover per DER-10 (NYSDEC, 2010b). As previously discussed, most of the ground surface at the Site is covered by structures or associated asphalt parking areas.

On April 5, 2013, one surface soil sample was collected at each of three locations (SS-1 through SS-3) from the grass-covered areas around the on-Site residence (**Figure 3-2**). Soil samples were collected from 0 to 0.17 ft bgs from the top two inches of soil below vegetation. Samples were submitted to CHEMTECH in Mountainside, New Jersey for analysis of VOCs plus TICs, SVOCs plus TICs, pesticides, herbicides, PCBs, and metals (including mercury and cyanide).

At the request of NYSDEC, on April 22, 2013, surface soil was collected from a fourth location (SS-4) at 0 to 0.17 ft below vegetation from the yard on the north side of 334W. The sample was collected using a plastic disposable scoop and visually inspected for staining or olfactory evidence of impacts as well as screened for VOCs using a PID. The sample was submitted to CHEMTECH in Mountainside, New Jersey for analysis of TCL VOCs plus TICs by USEPA Method 8260 and SVOCs plus TICs by USEPA Method 8270 as presented in **Table 3-2.**

On September 11, 2014, at the request of NYSDEC, surface soil was collected from a fifth location (SS-5) at one depth interval (0 to 0.17 ft below vegetation) from the grassy area between 130-134 Oriskany Boulevard and 8 Owens Place (**Figure 3-2**). The sample was collected using a plastic disposable scoop and visually inspected for staining or olfactory evidence of impacts as well as screened for VOCs using a PID. The sample was submitted to CHEMTECH in Mountainside, New Jersey for analysis of lead only by USEPA Method 6010C as presented in **Table 3-2**.

Sample IDs and analyses presented in **Table 3-1**.

3.5 Groundwater Characterization

Thirteen monitoring wells were installed during the RI to further evaluate the nature and extent of the Site CVOCs in the groundwater within the overburden. Additionally, 17 monitoring wells were installed on the Adirondack bank property (former Farrell's Garage Spill #86-02108) during historical investigations conducted by others. Select monitoring wells (**Table 3-4**) from the former Farrell's Garage site were also utilized for RI groundwater sampling. Historical wells sampled during the RI were selected with concurrence from NYSDEC. Locations of the existing and newly installed monitoring wells are provided in **Figure 3-2** and the well construction details for monitoring wells installed during the RI are provided in **Table 3-5**. Monitoring wells installed during the RI were completed by Geologic under the supervision of a Ramboll geologist. Monitoring wells MW-16 through MW-23 were installed from April 15 through April 23, 2013.

Based on review of analytical results and discussions with NYSDEC, and in an effort to further evaluate groundwater quality at off-Site locations, monitoring wells MW-24 and MW-25 were installed from November 21 through 22, 2013 followed by installation of MW-26 on September 11, 2014.

3.5.1 Monitoring Well Installation

Borings to facilitate monitoring well installations were advanced through the overburden. Samples of the overburden were collected continuously using 2-inch diameter Macro-Core® samplers. Soil descriptions were recorded on the soil boring logs (**Appendix E**). Thirteen 2-inch diameter overburden monitoring wells were installed using the methods outlined in the SOW and the FAP (Parsons and OBG, 2011a).

Screen intervals were selected based on lithology and water table position relative to water bearing overburden units. Field observations identified saturated soils above till ranging from 0.8-ft to 22.8-ft in thickness. Eleven shallow monitoring wells were screened across the water table within the saturated soils. A thicker and deeper sand and gravel unit was identified on the south of the Site. In these locations (MW-16S, MW-16D, MW-18S, MW-18D) a deep well was paired with the shallow well to assess groundwater quality at the base of the overburden groundwater system.

On-Site

Three on-Site overburden monitoring wells (MW-19, MW-20, MW-21) were installed during the RI activities (**Figure 3-2**). No on-Site monitoring wells existed prior to RI activities.

Off-Site

As outlined in the SOW, seven off-Site overburden monitoring wells (MW-16D, MW-16S, MW-17, MW-18D, MW-18S, MW-22, MW-23) were installed between April 16 and April 21, 2013 (**Figure 3-2**). Monitoring well MW-17 replaced damaged monitoring well MW-11 (left in place but damaged). Monitoring wells MW-22 and MW-23 were installed to evaluate groundwater on the east side of Owens Place and northeast-east of the Site. Monitoring wells MW-16S, MW-16D, MW-18S, and MW-18D were installed to evaluate groundwater south of the site.

At the request of NYSDEC and based on the results of initial groundwater samples, three additional wells (MW-24, MW-25, and MW-26) were installed. Monitoring wells MW-24 and MW-25 were installed from November 21 through 22, 2013 followed by installation of MW-26 on

September 11, 2014 (**Figure 3-2**). Monitoring well MW-24 was installed on the west side of Oriskany Boulevard to serve as an upgradient monitoring well. No off-Site upgradient monitoring wells existed in that location prior to RI activities. Monitoring well MW-25 was installed to evaluate elevated vinyl chloride at MW-23. Monitoring well MW-26 was installed to evaluate elevated PCE detections at MW-16S. Placement of wells MW-25 and MW-26 were based on available space in the ROW without subsurface utility interference.

3.5.2 Well Development

Following the installation of the monitoring wells, well development was conducted to remove residual fines in the borehole. Well development logs are provided as **Appendix F**.

3.5.3 In-situ Hydraulic Conductivity Tests

Following well development and the first round of routine groundwater sampling, in situ hydraulic conductivity tests were completed on wells MW-18D, MW-18S, MW-19, MW-20, MW-21, and MW-23. The tests were completed from September 12 to September 13, 2013. The test data were interpreted using the Bouwer & Rice solution and are presented in **Appendix G**.

3.5.4 Groundwater Elevation Monitoring

Depth to groundwater was measured the monitoring wells prior to sampling events (**Table 3-6**). Groundwater measurements were collected using an electronic water level probe with an accuracy of 0.01 ft. The monitoring well locking J-Plug was removed and the water column in the well was allowed to stabilize prior to taking groundwater measurements. Groundwater measurements were collected from monitoring wells on May 8, 2013, September 16, 2013, December 18, 2013, September 30, 2014, and March 1, 2021.

Due to cold weather conditions on December 18, 2013, water levels in monitoring wells MW-2, MW-7, MW-14, and MW-22 were not measured as the flush-mount well covers were frozen shut. However, little to no variation in groundwater flow patterns was observed as a result of the exclusion of these results.

3.5.5 Groundwater Sampling

Three rounds of groundwater sampling were completed on May 8 to May 14, 2013 (May 2013 Event), September 17 and September 20, 2013 (September 2013 Event), and March 1 and March 4, 2021 (March 2021 Event). The monitoring well network was selected to provide locations within, and at the limits of the CVOC plume as presented in historic reports.

In addition to the three sampling events outlined above, groundwater samples were collected on December 18 and December 19, 2013 from wells MW-24 and MW-25 (installed November 2013), on September 30, 2014 from well MW-26 (installed September 2014), on July 21, 2021 from well MW-19 for the bench-scale treatability study described in **Section 3.4.2**, and on November 22, 2022 from wells MW-19 and MW-20 for microbial analysis, described in **Section 5.2.3**.

Groundwater sampling was completed using the methodologies (low-flow and bailer sampling) outlined in the SOW and the FAP (Parsons and OBG, 2011a). Samples from the May 2013 and September 2013 events were submitted to CHEMTECH in Mountainside, New Jersey for analysis. Samples from the March 2021 event were submitted to Eurofins Test America in Buffalo, New York. Samples for the November 2022 event were submitted to Pace Analytical, an ELAP certified

laboratory (ELAP# 10899), in East Longmeadow, Massachusetts and SiREM in Knoxville, Tennessee (not ELAP certified, microbial analysis only).

May and September 2013 Events
Monitoring wells B-9NWMW-1, MW-9, MW-14, MW-15, MW-16D, MW-16S, MW-17, MW-18D, MW-18S, MW-19, MW-20, MW-21, MW-22, and MW-23 were sampled using low flow techniques. Monitoring well B-19NWMW-3 was sampled using bailer techniques due to poor water production. Groundwater sampling logs are provided in **Appendix H**. Groundwater samples were analyzed for sampling criteria as outlined in the SOW. Samples were analyzed for VOCs plus TICs. In addition, 10% of samples (1 sample for each event) were analyzed for SVOCs plus TICs, pesticides, herbicides, PCBs, metals (including mercury and cyanide) (**Table 3-2**).

December 2013 Event
At the request of NYSDEC, two additional monitoring wells were installed (MW-24 and MW-25), one each in upgradient and downgradient locations. Monitoring well MW-24 installation was requested to further evaluate upgradient groundwater quality west of the former canal. Monitoring well MW-25 installation was requested to further evaluate downgradient groundwater quality near the St Paul's Church Nazareth Child Care Center (11 Parkway Drive). On December 18 and December 19, 2013, these monitoring wells were sampled using low flow techniques. The groundwater sampling logs are provided in **Appendix H**. Samples collected during the December 2013 Event were analyzed for VOCs plus TICs (**Table 3-2**).

September 2014 Event
At the request of NYSDEC, one additional monitoring well was installed (MW-26), in a downgradient location. Monitoring well MW-26 installation was requested to further evaluate downgradient groundwater quality southwest, across Owens Place, of the Site. On September 30, 2014, this monitoring well was sampled using low flow techniques. The groundwater sampling log is provided in **Appendix H**. The sample collected during the September 2014 Event was analyzed for VOCs plus TICs (**Table 3-2**).

NYSDEC Conducted April 2019 Event
NYSDEC conducted EC sampling to evaluate the presence of PFAS compounds and 1,4-dioxane upgradient, on, and downgradient of the Site under the Emerging Contaminant Sampling Initiative. Monitoring wells MW-21 (considered upgradient), MW-19 (on-Site), and MW-23 (off-site and downgradient) were sampled by NYSDEC on April 14, 2019. The NYSDEC prepared EC Form 1 and associated analytical results are provided in **Exhibit B**.

March 2021 Event
Monitoring wells MW-7, MW-9, MW-15, MW-16D, MW-16S, MW-17, MW-18D, MW-18S, MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, MW-26, B-9NWMW-1 were sampled using low flow techniques. Monitoring well B-19NWMW-3 was sampled using bailer techniques due to poor water production. Groundwater sampling logs are provided in **Appendix H**. Samples collected during the March 2021 Event were analyzed for VOCs plus TICs (**Table 3-2**).

November 2022 Event
Monitoring wells MW-19 and MW-20 were sampled using low flow techniques. Groundwater sampling logs are provided in **Appendix H**. Samples collected during the November 2022 Event

were analyzed for VOCs plus TICs, methane/ethane/ethene (MEE), metals (Fe, Mn, K, and Na only), alkalinity, anions (chloride, nitrate, sulfate, and sulfide), total organic carbon (TOC), and Gene-Trac® microbial analysis (**Table 3-2**).

3.5.6 Monitoring Well Repairs

Several wells were noted as damaged and repairs were completed on March 25, 2020 as outlined below:

- Bolts in flush-mount well coves of MW-15 and MW-17 were replaced
- The flush-mount well bolt down lid and steel skirt were replaced at MW-7, MW-25 and B-9NWMW-1.
    - The polyvinyl chloride (PVC) riser was cut down at B-9NWMW-1 and MW-25 to accommodate cover placement.

3.6 Vapor Intrusion Activities

As outlined in the SOW, sub-slab and indoor air samples were to be collected from up to nine off-Site buildings depending on the ability to obtain access from the owners to evaluate potential VI. In addition, the SOW assumed mitigation systems would be installed at up to five buildings, if necessary, based on the results of the VI sampling activities. VI sampling was conducted in seven off-Site residences. Based on results of the sampling, SSDSs were installed at the on-Site residence and at one off-Site residence. Post mitigation indoor air sampling was performed at these locations in addition to the on-Site commercial building. Additional details are outlined in the sections that follow.

Due to the public nature of this document and the private nature of the off-Site sample results, generic location names were applied to off-Site properties to protect the property owner. NYSDEC and NYSDOH have been provided with actual property identities.

3.6.1 On-Site Vapor Intrusion Activities

On-Site Vapor Intrusion Sampling

On-Site VI sampling (concurrent sub-slab and indoor air sample pairs) was not performed during the RI but as part of a previous investigation.

Mitigation System Installation

A SSDS was installed at the on-Site residence (8 Owens Place) by NYSDEC. On April 8, 2013, sub-slab communication testing was performed at the building. Design drawings (**Appendix I**) for a SSDS was submitted to NYSDEC on April 12, 2013, and subsequently approved on May 7, 2013. The SSDS was installed on June 14, 2013.

Additionally, a SSDS was installed by the property owner at the on-Site commercial building (130-134 Oriskany Boulevard) in July 2013. PMIA sampling conducted on September 20, 2013 indicated that the original SSDS install was insufficient to mitigate the indoor air concentrations and, as a result, the existing SSDS was expanded to include a second fan on December 9, 2013.

Post-Mitigation Indoor Air Sampling

Post-mitigation indoor air (PMIA) sampling was completed at two on-Site locations over three days. PMIA sampling at 8 Owens Place was completed to evaluate the effectiveness of the SSDS installed by Ramboll as part of the RI.

PMIA sampling was completed at the on-Site commercial building (130-134 Oriskany Boulevard) by CNY Radon in June 2013. Due to a lack of information provided by the property owner, NYSDEC and NYSDOH requested Ramboll perform follow-up PMIA sampling. Ramboll sampled in September 2013 and March 2014 for use by NYSDEC and NYSDOH to evaluate effectiveness of the mitigation system installed at the commercial building by CNY Radon.

PMIA Sample Dates

Location ID	On-Site Location	Sample Date(s)
341W	8 Owens Place	March 12, 2014 (Ramboll)
463R	130 Oriskany Boulevard	March 12, 2014 (Ramboll)
467R	134 Oriskany Boulevard	September 20, 2013 and March 7, 2014 (Ramboll)
NA	130-134 Oriskany Boulevard	June 20, 2013 (CNY Radon)

PMIA sampling completed by Ramboll was performed consistent with collection of indoor air samples as outlined in NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006). Samples were collected in 6-liter SUMMA® canisters. Samples were collected over a 24-hour integrated sample period. Samples were submitted for analysis of standard list VOCs by USEPA Method TO-15.

PMIA sampling completed by CNY Radon was collected over an 8-hour period. Samples were submitted for analysis of chlorinated VOCs by USEPA Method TO-15.

3.6.2 Off-Site Vapor Intrusion Activities

Off-Site Vapor Intrusion Sampling

NYSDEC sent letters to nine properties addresses on Parkway Drive, Clinton Street, and Owens Place indicating a desire to perform VI sampling and requesting permission to sample (**Appendix J**). Positive responses were received by NYSDEC from five property owners including two properties containing two separate living areas.

Ramboll contacted residents at the properties that responded positively to schedule sampling. Ramboll was able to schedule collection of VI samples (sub-slab and indoor air) at seven of 9 off-Site property addresses as follows:

- Six residences in 2013: 334W, 340W, 344W, 345W, 347W, and 351W
- One residence in both 2022 and 2023: 347A.

Samples were collected over an approximately 24-hour period in accordance with the sample collection procedures provided in the SOW and FAP (Parsons and OBG, 2011a). Samples were collected with pre-evacuated, certified clean, 6-liter Summa® canisters equipped with laboratory-calibrated, constant-differential, low volume flow controllers. After sample collection, samples (canisters) collected in 2013 were delivered under routine chain-of-custody protocols to

CHEMTECH in Mountainside, New Jersey. Samples collected in 2022 and 2023 were delivered under routine chain-of-custody protocols to Pace Analytical in East Longmeadow, Massachusetts. Samples were analyzed for VOCs by USEPA Method TO-15.

Sample forms and building inventory forms associated with this sampling event are provided in **Appendix K**.

Mitigation System Installation
At the direction of NYSDEC and NYSDOH, a partial SSDS was installed at one off-Site residence (340W). On October 18, 2013, sub-slab communication testing was performed at the building, which identified poor communication under the slab. On January 20, 2014, sub-slab communication testing was again performed after consultation with NYSDEC and NYSDOH. Design drawings for a partial SSDS was submitted to NYSDEC on February 20, 2014 and subsequently approved on April 22, 2014 (**Appendix I**). The partial SSDS was installed on August 26, 2015.

Post-Mitigation Indoor Air Sampling
PMIA sampling was completed on February 2, 2016 at the off-Site residence (340W) to evaluate the effectiveness of the SSDS. PMIA sampling was performed consistent with collection of indoor air samples as outlined in *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006). Samples were collected in 6-liter SUMMA® canisters. Samples were collected over a 24-hour integrated sample period. Samples were submitted to CHEMTECH in Mountainside, New Jersey for analysis of standard list VOCs by USEPA Method TO-15.

3.7 Air Monitoring
Air quality was monitored during intrusive work activities to evaluate the potential for air transport of volatile compounds and dust particles from the Site and off-Site and to monitor the breathing zone air quality of workers.

3.7.1 Work Zone
Organic vapor concentrations were monitored at the start and at approximately 15-minute intervals during subsurface investigation activities using a PID with a 10.6eV lamp. The PID was calibrated according to manufactures specifications using a 100 parts per million (ppm) isobutylene calibration gas.

3.7.2 Community Air Monitoring
Real-time air monitoring was continuously recorded upwind and downwind of the exclusion zone at the Site during intrusive work. A PID with 10.6 eV lamp was used to monitor total organic vapor concentrations while an aerosol monitor was used to monitor particulates. The monitors were housed in an enclosure equipped with audible and visual alarms. Available community air monitoring data are provided in **Appendix L**.

3.8 Data Validation
Analytical laboratory data was received in electronic data deliverable (EDD) format.
Data validation was performed by Data Validation Services on samples collected during the RI consistent with the QAPP (Parsons and OBG, 2011b and Ramboll, 2020b). Individual data

usability summary reports (DUSRs) are provided in **Appendix M**. The laboratory reports are provided in **Appendix N**.

3.9 Survey

Horizontal coordinates of utility, sample, and monitoring well locations were surveyed in North American Datum of 1983 (NAD83) New York East State Plane ft. Elevations were surveyed to the nearest 0.01 ft using the North American Vertical Datum of 1988 (NAVD88). The survey report is provided in **Appendix O**.

Susan M. Anacker, PLS completed surveying activities in five events (March 28, 2013, May 8, 2013, December 18, 2013, September 16, 2014, and November 11, 2021). March 2013, the surveyor located marked utilities and existing wells. In May 2013, new monitoring wells, soil borings, and MIP borings were surveyed. In December 2013, MW-24 and MW-25 were located along with several other locations that could not be located on previous dates. In September 2014, MW-26, SB-23R, SB-28R, SB-29R, SB-31, SB-32, and SB-33 were located along with utilities not previously surveyed. In November 2021, new MIP borings (SB-34, SB-35, SB-36, SB-37, and SB-38) were surveyed. In addition, MW-19, MW-20, MW-21, and MW-25 were surveyed again to evaluate if the top of the PVC (measuring point) of the wells were in agreement with past surveyed points, which was confirmed.

Locations SS-4, SB-19, and SB-39 through SB-41 were not surveyed. GPS was used to locate SB-19 at the time of installation. The marker for this boring could not be located during the survey as it was an active gravel parking lot and the marker was assumed to be inadvertently destroyed. Locations SS-4 and SB-39 through SB-41 were approximated using aerial markers in Global Information System (GIS).

3.10 Investigation-Derived Waste Management

At the start of RI activities, an IDW staging area was set up northeast of the Site at 25 Clinton Street (**Figure 1-2**). During the first mobilization (in 2013) the staging area consisted of two 20-foot storage containers placed in secondary containment by A-Verdi Companies. The secondary containment was intended to potential capture leakage in the event of a storage drum leak or rupture. The secondary containment consisted of a 2x6 lumber frame lined with 6 mil plastic below the containers. A temporary fence, installed by Atlas Fence, was installed to surround the 20-foot containers and the secondary containment. During the second and third mobilizations an IDW staging area was set up. The staging area consisted of one 10-foot lockable storage container without secondary containment or fencing. IDW generated from 2020 to 2022 was staged in the southern gravel parking lot prior to off-Site disposal.

IDW produced during the RI included soil, concrete, asphalt, groundwater, and decontamination fluids. IDW was tracked throughout the RI on an IDW tracking log (**Appendix P**).

Each type of IDW was placed in the appropriate container, properly labeled, and moved to the staging area prior to disposal. IDW was contained in 55-gallon DOT approved steel drums. IDW was characterized before waste profiles were generated. Waste characterization results are presented in **Appendix N**.

Following the generation of waste profiles, IDW generated during the RI was transported by Veolia ES Technical Solutions, L.L.C., and disposed of off-Site as non-hazardous waste in accordance with applicable local, state and federal regulations. Completed waste manifests are included as **Appendix P**.

4. SITE CHARACTERISTICS

As outlined in **Section 3**, a number of investigation activities were completed during the RI to assess the site characteristics. These investigations included:

- Soil borings and soil sampling
- Monitoring well installation
- Groundwater elevation monitoring
- Groundwater sampling
- In-situ hydraulic conductivity testing
- Membrane interface probe (MIP) screening
- Surface soil sampling
- Sub-slab and indoor VI sampling

The following summarizes the site characteristics.

4.1 Site Geology

The Site is underlain by four overburden units: sand and gravel fill, silt and clay, sand and gravel, and till deposits overlying bedrock. Bedrock was not encountered during this investigation. Bedrock is reported to be Upper Ordovician and Lower Silurian shales and sandstones with beds of dolomite estimated at 40 ft bgs (USGS, 1988).

Two stratigraphic profiles were prepared to depict the current understanding of the overburden encountered during the RI. Transects corresponding to each profile are presented in **Figure 3-2**. Profile A (**Figure 4-1**) depicts a southwest to northeast cross section from the upgradient off-Site wells through the Site and to the downgradient off-Site locations. Profile B (**Figure 4-2**) depicts a north to south cross section that runs approximately perpendicular to Profile A.

4.1.1 Overburden Geology

RI Study Area Overburden Geology

The unconsolidated overburden deposits encountered during the course of the RI activities include, from surface downward, silt, sand and gravel fill, glaciolacustrine silt and clay, sand and gravel proglacial outwash deposits, and till. The total thickness of the unconsolidated materials was not determined during the RI however, it is reported to be approximately 40-ft thick in the area (USGS, 1988).

The majority of the Site and the RI Study Area have either asphalt pavement or structures overlying the unconsolidated deposits. The materials nearest to the surface across the RI study area are composed of sand and gravel fill of varying composition ranging from silt to coarse sand and gravel. Fill located under the Site was typically thin (0 to 9 ft) and varied from silt to gravel with some sand. Fill was encountered on the west side of Oriskany Boulevard at a thickness of 10.9 ft. The absence of fill at location SB-16 (**Figure 4-2**) is in a low area between the former dry cleaner and the on-Site residence.

A silt and clay unit was observed beneath the surficial fill. This unit varied in composition from silty clay to fine sand and varied in thickness from 0 ft on the west side of the RI Study Area to 18 ft to the northeast side of the RI Study Area, as shown in **Figure 1-2**.

The sand and gravel unit, underlying the glaciolacustrine deposits, most likely represents proglacial outwash sedimentation and varies in thickness from 0 to 20 ft. This unit varied in thickness from 0 ft on the northeast side of the RI Study Area to approximately 20 ft on the south side of the RI Study Area. The sand and gravel deposits are poorly sorted to well sorted, sub-rounded to sub-angular, and range in size from fine sand to course gravel. Within the unit there are multiple lenses that range in grain size from well sorted silt and fine sands to well sorted course gravel and possible cobbles. Based on a review of available boring logs and comparison to the possible dimensions of the canal identified above, sand and gravel may extend to the west and be present beneath the bottom of the former canal (**Figure 4-1**) and above the till.

A dense till was encountered below the abovementioned deposits encountered at the site. The till is composed primarily of a dense, compacted silt matrix supporting varying amounts of sub-rounded to sub-angular gravel. The depth to till, where encountered, ranged from 9.8 ft to 27 ft bgs. Till thickness is unknown as it was not penetrated during the RI. As shown in **Figure 4-3** and the cross sections (**Figure 4-1, 4-2**) the till surface has an general slope to the east and the south.

4.1.2 Bedrock Geology

Bedrock was not encountered at the site during the RI or during previous investigations (as provided in **Exhibit A**). According to USGS (USGS, 1988) geologic cross sections, the site sits on the southwest slope of a northwest to southeast trending bedrock trough. The bedrock is reported to be approximately 40 ft bgs (USGS, 1988).

4.2 Hydrogeologic Setting

RI activities characterized the overburden hydrogeologic unit across the RI Study Area. The following discussions of the overburden include evaluations of:

- Groundwater level data
- In-situ hydraulic conductivity data
- Hydraulic gradients
- Groundwater geochemistry data

4.2.1 Groundwater Level Data

Synoptic groundwater elevations (**Table 3-6**) were collected during the RI to better understand the hydraulic gradient across the Site. Twenty-three monitoring wells (**Table 3-5**) screen the overburden across the RI Study Area.

The water table occurs within the silt and clay or the sand and gravel units at depths of between 5 to 10 ft bgs.

Groundwater elevation contour maps (**Figures 4-4** through **4-7**) were developed for four of the five sets of groundwater level measurements. As illustrated on the figures, groundwater elevations from the first two rounds (May 8, 2013 and September 16, 2013) show a relatively

flat, radial groundwater flow from the Adirondack Bank property located to the north of the Site with flow components to the northeast, east, south, southeast, and southwest across the Site.

The third round (December 18, 2013) included newly installed upgradient well (MW-24) and downgradient well (MW-25) in addition to omission of three wells (MW-2, MW-7, MW-14) on the Adirondack Bank property due to frozen well heads. The third round identified similar but muted radial flow conditions.

The fourth round (September 30, 2014) included and additional newly installed downgradient well MW-26. September 2014 groundwater elevations indicated similar radial flow; however, the center of the radial lobe shifted east with similar northeast to southeast flow components as observed in December 2013.

The groundwater flow patterns of the four abovementioned events generally agree and indicate an overall south to southeastern flow across the Site. Flow is consistent with site topography and the presence of Sauquoit Creek to the southeast of the Site (**Figure 1-1**).

The groundwater elevation in MW-24 is over 2-ft higher than the nearest well (MW-21) located east of Oriskany Boulevard. There is potential that the former Erie Canal, reportedly within the footprint of Oriskany Boulevard, may affect groundwater elevations observed at MW-24. Based on the reported depths of the Erie Canal fill it is possible that the native sand and gravel unit that underlies the study area connects with the screened interval at MW-24 that extends under Oriskany Boulevard (**Figure 4-1**). Borings were not installed in the road to confirm backfill material within the former Erie Canal. No borings were logged during the RI at the Adirondack Bank property and no boring logs from wells on the Adirondack Bank property, associated with the former Farrell's Garage Site (Spill #86-02108) investigation, were available. As a result, the observed divergent flow could not be evaluated beyond the observation that the Adirondack bank property is at a slightly higher elevation than the surrounding area and MW-24 is located near the base of a surface elevation high to the west.

4.2.2 Hydraulic Gradients

Hydraulic gradients were calculated from May 8 and September 16, 2013 measurements. The average horizontal gradient was calculated as 0.006 ft/ft which is relatively flat. Calculations are presented in **Table 4-1**.

Vertical hydraulic gradients were calculated between well pairs MW-16S and MW-16D as well as MW-18S and MW-18D using the difference in head and the distance between the screen mid-points of the monitoring wells. An upward gradient was observed at MW-16 well pair with an average gradient of -0.003 ft/ft. A downward gradient was observed at MW-18 well pair with an average gradient of 0.010 ft/ft. Gradients were calculated from May 8, September 16, December 18, 2013, and September 30, 2014 measurements. Calculations are presented in **Table 4-1**.

4.2.3 Hydraulic Conductivity

In situ hydraulic conductivity testing of the overburden monitoring wells yielded a range of estimates from 1.0×10^{-02} (30 ft/day) to 7.4×10^{-02} (209 ft/day) centimeters per second (cm/sec). The lowest value is from MW-18S, which is entirely screened in the silt and clay unit and contains a 0.5 ft sand and gravel lens. As such, this value for MW-18S is not representative

of a silt and clay hydraulic conductivity. The highest value is from MW-23, which screens the sand and gravel unit. The five sand and gravel wells tested had a geometric mean of 3.2×10^{-02} (90 ft/day) cm/sec. These values for sand and gravel are consistent with the range of values (1.0×10^{-03} to 1.0×10^{-01}) presented in Fetter (Fetter, 1994). However, the values for the sand and gravel may be greater than estimated by slug testing due to the potential influence of the sand pack. Spatially, the values do not show a trend in direction and magnitude. Calculations are presented in **Table 4-1**.

4.2.4 Hydrogeologic Summary

The water table occurs within the silt and clay and the sand and gravel units between 5 to 10 ft bgs. Groundwater primarily flows from the northwest to the southeast across the Site through the overburden unit within the transmissive sand and gravel unit. The geometric mean of the horizontal hydraulic conductivity in the overburden is of 3.2×10^{-02} (90ft/day) cm/sec, consistent with values expected for sands and gravels and silts, with a northwest to southeast gradient (Fetter, 1994).

5. NATURE AND EXTENT

This section presents the nature and extent of impacts to overburden soils, groundwater, and sub-slab vapor. The following discussion addresses Site-related COCs as well as other detected VOCs, SVOCs, inorganics, and pesticides.

5.1 Nature and Extent of Impacts to the Overburden

5.1.1 Introduction

As previously discussed (**Section 3**), the investigation provided for characterization of on-Site soil impacts with particular focus on the east side of the commercial building where a pipe end was observed protruding from the building foundation and previous investigations identified elevated PCE in soil (Mokry, 2010).

Concentrations of detected constituents were compared to criteria to provide context for describing the nature and extent of the impacts to soil. The evaluation of soil impacts focused on the protection of public health using the following criteria:

- Concentrations in soil from the parking lot adjacent to the on-Site commercial building or in the ROW of Oriskany Boulevard were compared to 6NYCRR Part 375 Restricted Use Commercial (NYSDEC, 2006) as amended with NYSDEC CP-51 Commercial Use Soil Cleanup Objectives (Commercial SCOs; NYSDEC, 2010a)
- Concentrations in soil from the exposed soil/grassy areas immediately adjacent to the on-Site residence that functions as a rental property and the off-Site residence were compared to 6NYCRR Part 375 Restricted Use Residential (NYSDEC, 2006) amended with NYSDEC CP-51 Residential Soil Cleanup Objectives (Residential SCOs; NYSDEC, 2010a)
- Concentrations in soil collected in the ROW of Parkway Drive were compared to 6NYCRR Part 375 Unrestricted Use (NYSDEC, 2006) amended with CP-51 Residential Soil Cleanup Objectives (Unrestricted SCOs; NYSDEC, 2010a).

The 6NYCRR Part 375 Restricted Use Soil Cleanup Objectives for the Protection of Groundwater Resources (NYSDEC, 2006) and NYSDEC CP-51 Restricted Use Soil Cleanup Objectives for the Protection of Groundwater Resources (Protection of Groundwater SCOs; NYSDEC, 2010a) were used as criteria to identify soil impacts potentially affecting groundwater quality. Specifically, the analytes in soils that are also present in Site groundwater above the NYS Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA groundwater (Class GA SGVs; NYSDEC, 1998) will be compared to the Protection of Groundwater SCOs. These analytes include benzene, chloroform, cis-1,2-DCE, ethylbenzene, manganese, methyl tert-butyl ether (MTBE), o-xylene, PCE, sodium, trans-1,2-DCE, TCE, VC, and iron.

5.1.2 Surface Soil

Five surface soil samples were collected from different locations surrounding the residential structure on the Site. Two of the sample locations are in front of the on-Site residence (SS-2, SS-3), along Owens Place, and two in the rear of the commercial building (SS-1 and SS-5), in the exposed soils or grassy areas between the on-Site residence and commercial building. One sample (SS-4) was collected from the backyard of an off-Site residence (334W).

Surface soils collected during the RI were collected from 0 to 0.17 ft bgs. Soils samples at three locations; SS-1, SS-2, and SS-3 were analyzed for VOCs, SVOCs, pesticides, herbicides, PCBs, and metals. The surface soil sample collected from location SS-4, in the backyard of an off-Site residence (334W), was analyzed for VOCs plus TICs and SVOCs plus TICs. Soil sample SS-5 was collected from the backyard of the on-Site residence and was analyzed for lead only. Samples were compared to Unrestricted, Residential and Protection of Groundwater SCOs.

Results are presented in **Tables 5-1** through **5-5** and on **Figures 5-1 through 5-4.**
VOCs, PCBs and herbicides were not detected above SCOs in the surface soil samples.

SVOCs, not considered site-related compounds, were detected in surface soil samples above Unrestricted, Residential, and Protection of Groundwater SCOs at the on-Site residence. Detected SVOCs with at least one exceedance of the Unrestricted, Residential, and Protection of Groundwater SCOs were present in the 0 to 0.17 ft bgs interval at SS-2 and SS-3 and included one or more of the following: chrysene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo(k)fluoranthene, dibenz[a,h]anthracene and indeno[1,2,3-cd]pyrene. These SVOCs also exceeded Unrestricted SCOs.

1,2-benzphenanthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and indeno[1,2,3-cd]pyrene were detected above Unrestricted, and Residential SCOs in sample SS-4 (0 to 0.17 ft bgs) at the off-Site residence.

Inorganics were detected in surface soil samples above Unrestricted, Residential, and Protection of Groundwater SCOs (**Table 5-3, Figure 5-3**) at the on-Site residence. Detected inorganics in surface soil with at least one exceedance of the Unrestricted, Residential, and Protection of Groundwater SCOs were present at SS-1, SS-2, SS-3, and SS-5 and included one or more of the following: cadmium, and lead. Silver, zinc and mercury were detected in surface soil at one or more locations (SS-1, SS-2, SS-3) exceeding Unrestricted SCOs only. Lead (up to 1,350 milligrams per kilogram [mg/kg]) exceeded Unrestricted, Residential, Commercial, and Protection of Groundwater SCOs at SS-1 and SS-5 in the grassy area between the on-Site residence and the commercial building. Lead was also detected exceeding the Unrestricted SCO in the grassy area in front of the on-Site residence along Owens Place. Cadmium (2.78 J [estimated concentration] mg/kg) exceeded the Unrestricted and Residential SCOs, at SS-1 in the on-Site residence back yard. Iron exceeded the NYS CP-51 Residential SCO (NYSDEC, 2010a) in each sample.

Surface soil is limited at the on-Site residence to small areas of exposed soil and vegetation immediately adjacent to the house. The majority of the surrounding land is paved or gravel parking lot. The estimated horizontal limits of exceedances of several SVOCs, inorganics, and pesticides are defined as limited to those small areas of exposed soil or vegetation (**Figure 5-2 thru 5-4**).

The horizontal limits of Unrestricted SCO exceedances of pesticides are defined, and limited to location SS-1, behind the building.

5.1.3 Source Area Characterization

MIP Screening

Twenty-seven MIP locations were completed to assess the presence and distribution of CVOCs in soils in the vicinity of historical boring SB-1, which was proximal to the end of a pipe observed to be protruding from the building foundation (**Figure 3-2**). This area was suspected of being a potential source area for the CVOCs observed to be present in the groundwater.

As previously discussed, the MIP was equipped with four instruments: PID, ECD, FID, and XSD as well as a soil conductivity probe.

The PID and FID are most sensitive to VOCs commonly found in petroleum products with some PID sensitivity to CVOCs. The ECD and XSD probes are most sensitive to CVOCs. The ECD has a more limited linear range of detection for CVOCs than the XSD. As a result, the XSD readings were principally used to evaluate concentrations of PCE and breakdown products in the subsurface.

In general, the XSD revealed the presence of two zones containing CVOCs in the subsurface. "Zone A" was observed in shallower soil, typically from 1.5 to 8 ft bgs within the silt and clay deposit. "Zone B" was typically observed in sand and gravel deposits underlying the silt and clay deposits. Zone A and Zone B are depicted in MIP logs (**Appendix D**) and cross sections **(Figures 4-1** and **4-2**). The highest XSD readings were observed at locations SB-15 and SB-28, located within the suspected source area, with maximum readings at both in the shallow Zone A (interface of fill layer through silt and clay layer). Elevated XSD readings in Zone B (sand and gravel underlying silt and clay layer) were also present at SB-15 and SB-28, albeit at about half the reading of what was observed at Zone A. These observations are corroborated by soil samples collected at these locations, as discussed in **Section 5.1.4** and presented in **Figure 5-1**.

Zone A

XSD readings of <20,000 microvolts (µV) are considered to be background levels, where no indications of impacts were observed, for the unconsolidated deposits under the Site as observed in shallow soil at locations; SB-11, SB-12, SB-14, SB-19, SB-20, SB-21, SB-22, SB-23, SB-24, SB-25, and SB-26. A summary of the maximum XSD readings above background at each location are tabulated in **Table 5-6** and presented spatially on **Figure 5-5**.

MIP logs with the highest XSD readings (>500,000 µV) are from locations SB-15 (609,607 µV) and SB- 28 (657,445 µV), on the east side of the building in the vicinity of the pipe end observed in the building foundation (**Figure 3-2**). An XSD reading of 345,317 µV was observed at SB-29 along the northern Site boundary near the northeast corner of the commercial building suggesting that elevated CVOCs may be present.

As shown on **Figure 5-5**, MIP screening locations along the edges of the Site and off-Site reveal similar magnitude low level XSD readings, which are below background

Zone B

XSD readings from Zone B above background value of 20,000 µV are summarized in **Table 5-6** and presented spatially in **Figure 5-6**.

Similar to Zone A, the highest detections (>200,000 µV) in Zone B are observed on the east side of the commercial building in the vicinity of the pipe end observed in the building foundation. MIP logs at SB- 28 (383,007 µV) and SB-15 (226,905 µV) represent the highest readings (**Figure 5-6**). However, Zone B XSD readings at SB-28 and SB-15 are lower than XSD readings at the same locations in Zone A.

As shown on **Figure 5-6**, MIP screening locations along the edges of the Site and off-Site reveal similar magnitude low level XSD readings, either below background or slightly above background (20,000 to 49,999 µV). XSD readings of 52,797 µV at SB-12 and 76,525 µV at SB-14, located along the eastern Site boundary adjacent to Owens Place, were observed. East of SB-12 and SB-14 a reading of 22,956 µV at off-Site location SB-20 was observed, slightly above background levels. SB-34, which is located inside the thrift store building, displayed a XSD reading of 101,627 µV.

5.1.4 On-Site Subsurface Soil

MIP and VOC Correlation

Twenty-two soil samples were collected from boring locations MW-19, MW-20, SB-9, SB-15, SB-16, SB-23R, SB-28R, SB-29R, and SB-34 to correlate CVOC concentrations to the background (<20,000 µV), low (20,000-<200,000 µV), intermediate (200,000-400,000 µV), and high (>500,000 µV) XSD responses (**Table 5-7**) detailed in **Section 5.1.3**. These samples were analyzed for VOCs and the results are summarized in **Table 5-1** and presented on **Figure 5-1**.

Clear correlation between XSD readings and analytical results below approximately 10 mg/kg concentrations were not observed in the data set developed as part of the RI. Non-detections to low level detections of total CVOCs (0.0054 U mg/kg to 10.33 mg/kg) were observed in areas with corresponding XSD readings ranging from 13,352 µV to 383,007 µV (**Table 5-7**). This may be associated with instrument variability or, potentially, CVOC variations attributed to lensing of finer materials in the subsurface. Concentrations greater than approximately 10 mg/kg exhibited better correlation to XSD readings. Detections of total CVOCs from 17.66 mg/kg to 1,543 mg/kg were observed with corresponding XSD readings ranging from 31,816 µV to 657,445 µV (**Table 5-7**). Generally, increasing total CVOC concentrations in soil samples greater than 10 mg/kg correlated with increasing XSD readings identified with the MIP (**Table 5-7**).

VOCs

As stated in **Section 5.1.3**, the highest XSD readings were observed adjacent to the suspected source area at locations SB-15 from 4 to 5 ft bgs (609,607 µV) and SB-28 from 2.5 to 4.5 ft bgs (657,445 µV) (**Table 5-6 and 5-7**; **Figure 5-6**). These locations are the closest to the pipe end observed in the building foundation.

Total CVOCs detected above Unrestricted, Residential, Commercial and Protection of Groundwater SCOs were observed in the same borings described above, adjacent to the suspected source area, at locations SB-15 from 4 to 5 ft bgs (1,543.7 mg/kg) and SB-28 from 2.5 to 4.5 ft bgs (1,007.8 mg/kg) (**Figure 5-1; Table 5-1**).

MIP readings and analytical results from locations outside the source area continue to indicate two distinct zones of impacted soil, Zone A and Zone B (**Figure 4-1** and **4-2**; **Appendix D**). Zone A typically lies within with the silt and clay unit and likely represents groundwater

containing elevated concentrations of CVOCs and/or potential residual source material within more permeable lenses in the silt and clay unit. MIP screening results in Zone A (shallower zone), indicate that XSD values above background are confined to the Site. Elevated MIP readings were also observed at location SB-29 (maximum reading 345,317 µV) located along the northern property boundary (**Figure 5-5**), although corresponding soil analytical results did not identify CVOCs (likely a result of limited sample recovery). Zone B correlates with the sand and gravel unit and likely represents groundwater containing CVOCs as the peaks in the XSD were not as high as those identified in Zone A. However, lateral distribution of CVOCs in Zone B are consistent with Zone A.

CVOCs consisting of PCE and related degradation compounds were detected in soil beneath the parking lot east of the commercial building above Commercial SCOs. The highest concentrations of PCE observed in the soil were observed at SB-15 where PCE was detected at 1,070 mg/kg at a depth of 4 to 5 ft bgs, which is within Zone A and close to the building.

Additional VOCs detected above SCOs include benzene, acetone, and dichlorobenzene. At MW-19, located between MIP borings SB-15 and SB-28, benzene was detected in soil at 0.39 J mg/kg, exceeding Unrestricted and Protection of Groundwater SCOs, from 2.5 to 4.5 ft bgs. Acetone exceeded Unrestricted and Protection of Groundwater SCOs from 6.0 to 7.0 ft bgs at SB-23R with a concentration of 0.0668 mg/kg. 1,2-Dichlorobenzene exceeded Unrestricted and Protection of Groundwater SCOs from 3.5 to 4.0 ft bgs at SB-29R with a concentration of 1.2 mg/kg.

Based on available data, the estimated horizontal and vertical limits of Commercial SCO exceedances of CVOCs in subsurface soil are defined (**Figure 5-1**). The horizontal limits of Unrestricted SCO exceedances of CVOCs are confined to the north and south property boundary. Horizontal limits are not defined at the western and eastern property boundary. The exceedance of Unrestricted SCOs in soil at SB-23R represents horizontal limits not yet defined at the western property boundary. Vertical limits of CVOCs exceeding Unrestricted SCOs are not defined at several locations immediately adjacent to the commercial building including SB-15, SB-16, SB-23R and SB-28R. However, soil samples at SB-15 and SB-28R indicated that CVOC concentrations are decreasing with depth.

SVOCs

Eight soil samples from four locations (SS-1, SS-2, SS-3, SS-5) were analyzed for SVOCs. SVOCs did not exceed applicable SCOs in subsurface soil samples (**Table 5-2, Figure 5-2**).

Inorganics

Eight soil samples from four locations (SS-1, SS-2, SS-3, SS-5) were analyzed for inorganics (**Table 5-3, Figure 5-3**). Lead was detected in all eight soil samples. Lead was observed (up to 1,600 mg/kg) exceeding Unrestricted, Residential, and Protection of Groundwater SCOs in samples from SS-1 and SS-5 in the 0.5-1.0 bgs ft interval samples (**Figure 5-3, Table 5-3**). Lead was observed exceeding Unrestricted and Protection of Groundwater SCOs at SB-9 in the 2.0-3.2 ft bgs interval samples. Lead was also observed above Unrestricted SCOs at SS-2 in 0.5-1.0 ft bgs interval samples. Iron was observed at concentrations of up to 38,400 mg/kg, which exceeds the NYS CP-51 Residential SCO (NYSDEC, 2010a) at SS-1, SS-2, SS-3, and SB-9 in the 0.5-1.0 and 1.0 to 2.0 ft bgs interval samples. Silver was detected above Unrestricted SCOs at concentrations up to 2.68 mg/kg at SS-1 and SS-3 in the 1.0-2.0 ft bgs interval samples. Zinc

was detected above Unrestricted SCOs at concentrations up to 265 J mg/kg at SS-1 and SS-2 in the 0.5-1.0 ft bgs interval samples. Mercury was also detected above Unrestricted SCOs at concentrations up to 0.521 mg/kg at SS-1 in the 0.5-1.0 ft bgs interval sample. No other constituents from these samples were detected at concentrations above SCOs.

Other Analyses
Eight soil samples from four locations (SS-1, SS-2, SS-3, SS-5) were analyzed for PCBs, pesticides and herbicides. PCBs did not exceed applicable SCOs in subsurface soil samples (**Table 5-4**). Pesticides exceeded Unrestricted SCOs in soil up to 2 ft bgs, the deepest sample, at one location behind the on-Site residence. The vertical limits are undefined at this one location (**Table 5-5, Figure 5-5**). Herbicides were not detected in soil.

5.1.5 Off-Site Subsurface Soil
Subsurface soil samples were collected from six off-Site locations (MW-24, MW-25, MW-26, SB-31, SB-32, and SB-33) at the request of NYSDEC. Samples from MW-24 and MW-25 were analyzed for VOCs and SVOCs the remaining samples were analyzed for VOCs only. Three of these locations (MW-24, MW-25, and MW-26) are within the ROW of streets adjacent to the Site and three locations (SB-31, SB-32, and SB-33) are within the footprint of the new gravel lot (**Figure 1-2**) to the south of the on-Site buildings. Soil results were compared to Unrestricted, Residential, Commercial, and Protection of Groundwater SCOs as appropriate. Acetone was detected in soil at 0.11 mg/kg exceeding Unrestricted SCOs at MW-24 from 10.8 to 11.8 ft bgs (**Table 5-1**). No other VOCs or SVOCs were detected above SCOs (**Table 5-1** and **5-2**).

5.1.6 Soil Summary
The surface and subsurface soil obtained during the RI compared to applicable SCOs is presented on (**Tables 5-1** through **5-5**). As previously discussed, surface soil samples were collected from one interval (0 to 0.17 ft) at each of four locations on-Site and from a single interval (0 to 0.17 ft) at one off-Site location.

Surface Soils (up to 0.17 ft bgs)
Surface soil was only collected from the on-Site residence and at one off-Site residence. Surface soil is limited at the on-Site residence to small areas of exposed soil and vegetation immediately adjacent to the house. The majority of the surrounding land is paved or gravel parking lot. As a result, the estimated horizontal limits of exceedances of several SVOCs, inorganics and pesticides are defined as limited to those small areas of exposed soil or vegetation (**Figures 5-2** through **5-4**). The horizontal extent of exceedances at the off-Site residence would not be defined as a result of the collection of only one sample.

VOCs
VOCs did not exceed applicable SCOs in surface soil (**Table 5-1, Figure 5-1**).

SVOCs
SVOCs (chrysene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and indeno[1,2,3-cd]pyrene exceeded Unrestricted and Residential SCOs in the one surface soil sample (SS-4) at the off-Site residence and two samples (SS-2, SS-3) in front of the on-Site residence. Additionally, benzo[a]pyrene exceeded Commercial SCOs at SS-2 and SS-3 while

dibenz[a,h]anthracene exceeded Commercial SCOs at SS-3 (**Table 5-2, Figure 5-2**). Impacts are limited to the 0 to 0.17 ft bgs interval.

Inorganics
Inorganics exceeded Unrestricted. Residential, and Protection of Groundwater SCOs at four surface soil locations at the on-Site residence (**Table 5-3, Figure 5-3**). Lead was detected in the four soil samples. Lead was observed (up to 1,440 mg/kg) exceeding Unrestricted, Residential, and Protection of Groundwater SCOs in samples from SS-1 and SS-5 in the 0.0-0.17 ft interval. Lead was also observed above Unrestricted SCOs at SS-2 and SS-3 in the 0.0-0.17 ft interval. Iron was observed at concentrations of up to 30,200 mg/kg, which exceeds the NYS CP-51 Residential SCO (NYSDEC, 2010a). Zinc was detected above Unrestricted SCOs at concentrations up to 408 J mg/kg at SS-1, SS-2, and SS-3 in the 0.0-0.17 ft interval samples. Mercury was also detected above Unrestricted SCOs at 0.647 mg/kg at SS-1 in the 0.0-0.17 ft interval sample. No other constituents from these samples were detected at concentrations above SCOs.

Other Analyses
PCBs did not exceed applicable SCOs in surface soil (**Table 5-4**).

Pesticides exceeded Unrestricted SCOs in surface soil at one location behind the on-Site residence. Herbicides were not detected in surface soils (**Table 5-5, Figure 5-4**).

Subsurface Soils
VOCs
PCE and degradation products exceeded Unrestricted, Commercial, and Protection of Groundwater SCOs in on-Site soil under the eastern parking lot adjacent to the building at depths up to 5 ft bgs. PCE and degradation products exceeded Unrestricted and Protection of Groundwater SCOs in on-Site soils in the western parking and eastern parking lot at depths up to 13.5 ft bgs. PCE and degradation products also exceeded Unrestricted, Residential, and Protection of Groundwater SCOs in on-Site soil between the on-Site residence and commercial building at depths up to 12.0 ft bgs. The only exceedances of Commercial SCOs were PCE and TCE in on-Site soil under the eastern parking lot, up to 5 ft bgs in borings SB-15 and MW-19 which are located adjacent to the pipe end observed in the building foundation. PCE and degradation products did not exceed SCOs at off-Site locations.

Acetone exceeded Unrestricted, and Protection of Groundwater SCOs at one off-Site location. Acetone, benzene, and 1,2-dichlorobenzen exceeded Unrestricted and Protection of Groundwater SCOs at three on-Site locations. Acetone, benzene, and 1,2-dichlorobenzene are not compounds related to Site activities.

MIP screening results in Zone A (shallower zone), indicate that XSD values above background (background ≤ 20,000 µV, which correlates to no indication of impacts observed) are confined to the Site. Elevated MIP readings at location SB-29 (maximum reading 345,317 µV) were observed along the northern property boundary (**Figure 5-5**), although corresponding soil analytical results did not identify CVOCs (this was likely a result of limited sample recovery). No MIP borings or soil sampling was conducted off-Site to the north of SB-29.

In Zone B (deeper zone), MIP results indicate that XSD values above background are confined to the Site, with one exception. At SB-20 on the east side of Owens Place, a maximum XSD reading of 22,956 was observed, which is only slightly above the background value of 20,000 µV (**Figure 5-6**). CVOCs were observed exceeding Class GA SGVs at corresponding nearby monitoring well MW-23 where CVOC concentrations in groundwater ranged from 15.26 to 16.2 micrograms per liter (µg/L). This indicates that XSD readings above background may also suggest the presence of CVOCs in groundwater exceeding Class GA SGVs.

The vertical and horizontal limits of Commercial SCO exceedances of CVOCs in soil are defined (**Figure 5-1**). The horizontal limits of Unrestricted SCO exceedances of CVOCs are defined to the north and south property boundary. Horizontal limits are not defined at the western and eastern property boundary. Vertical limits of CVOCs exceeding Unrestricted SCOs are not defined at several locations immediately adjacent to the commercial building. However, and in general, MIP readings decrease with depth indicating concentrations would likely decrease with depth.

SVOCs

SVOCs did not exceed SCOs in subsurface soil samples.

Inorganics

Lead concentrations exceeded Unrestricted and Protection of Groundwater SCOs in subsurface soil at one on-Site location beneath the eastern parking lot (**Table 5-3, Figure 5-3**). Lead also exceeded Unrestricted, Residential, and Protection of Groundwater SCOs in subsurface soil at three on-Site locations adjacent to the on-Site residence.

The horizontal limits of Unrestricted and Residential SCO exceedances of lead in subsurface soil are not defined (**Figure 5-3**). The vertical limit of Unrestricted and Residential SCO exceedances of lead in subsurface soil are defined as 1 ft bgs adjacent to the on-Site residence (SS-1, SS-2, and SS-3) and is not defined at in the parking lot (SB-9) or between the on-Site residence and commercial building (SS-5) (**Figure 5-3**). Lead exceeded Unrestricted SCO at 3.2 ft bgs in SB-9 and was not sampled below this depth. Lead exceeded Unrestricted and Residential SCOs at 1 ft bgs in SS-5 and was not sampled below this depth.

Iron exceeded NYS CP-51 Residential SCOs (NYSDEC, 2010a) in subsurface soil at three locations adjacent to the on-Site residence (**Table 5-3, Figure 5-3**). The horizontal and vertical limits of iron exceeding NYS CP-51 Residential SCOs (NYSDEC, 2010a) are undefined. Iron is considered to be a naturally occurring metal in soil.

Silver exceeded Unrestricted SCOs in subsurface soil at two locations collected from 1 to 2 ft bgs adjacent to the on-Site residence (**Table 5-3, Figure 5-3**). Because soil samples were not collected below 2 ft bgs at either of these locations, the vertical limit of silver exceeding Unrestricted SCOs is undefined.

Zinc exceeded Unrestricted SCOs in subsurface soil at two locations adjacent to the on-Site residence (**Table 5-3, Figure 5-3**). The horizontal limits of zinc exceeding Unrestricted SCOs are undefined.

Mercury was also detected above Unrestricted SCOs in subsurface soil at one location adjacent to the on-Site residence (**Table 5-3, Figure 5-3**). The horizontal limits of mercury exceeding Unrestricted SCOs are therefore defined as the grassy area containing sample location SS-1. The vertical extent of mercury exceeding Unrestricted SCOs is defined as 1.0 ft bgs. No other constituents from these samples were detected at concentrations above SCOs.

Other Analyses
Pesticides exceeded Unrestricted SCOs in subsurface soil at one on-Site location adjacent to the on-Site residence (**Table 5-5, Figure 5-4**).

The horizontal limits of Unrestricted SCO exceedances of pesticides in subsurface soil are defined as the grassy area at the northwest corner of the on-Site residence (**Figure 5-4**). The vertical limit of Unrestricted SCO exceedances of pesticides in subsurface soil is undefined.

Analytical results for subsurface soil did not exceed SCOs for herbicides or PCBs (**Tables 5-4** and **5-5**).

5.2 Nature and Extent of Impacts to Groundwater

The RI monitoring well network included wells installed during the RI and original well network consisting of wells installed during previous investigations by others in connection with the former Farrell's Garage site (Spill #86-02108). As discussed in **Section 3**, RI groundwater characterization activities included collection and analysis of groundwater samples from the original monitoring well network on three occasions (May 2013, September 2013, and March 2021), collection of groundwater samples from two newly installed wells in December 2013 and an additional well in September 2014 (**Table 3-4**), on July 21, 2021 from well MW-19 for the bench-scale treatability study described in **Section 3.4.2**, and on November 22, 2022 from wells MW-19 and MW-20 for microbial analysis. Groundwater samples collected during these events were analyzed for VOCs with select samples analyzed for SVOCs, inorganics, PCBs, pesticides, and herbicides (**Table 3-2**). In addition to VOCs, wells sampled as part of the November 22, 2022 microbial sampling event were also sampled and analyzed for MEE, metals (Fe, Mn, K, and Na only), alkalinity, anions (chloride, nitrate, sulfate, and sulfide), TOC, and Gene-Trac® microbial analysis (**Table 3-2**).

At the request of NYSDEC, EC sampling results associated with the April 2019 NYSDEC conducted sampling event have been included in this discussion.

The groundwater analytical results are compared to the NYS Technical and Operational Guidance Series 1.1.1 Groundwater Class GA standards and guidance values (Class GA SGVs) and presented in **Tables 5-8** through **5-12.** Constituents exceeding groundwater criteria are presented on **Figures 5-7** through **5-9**. Groundwater analysis results associated with microbial analysis are presented in **Tables 5-13** and **5-14**. Groundwater analytical results associated with the April 2019 EC sampling event are presented in **Exhibit B**.

The following discussion focuses on the groundwater analytical results collected during the RI. Historic off-Site analytical data is not addressed except in comparison to RI data. The historic off-Site data is presented in associated reports included in **Exhibit A**. For ease of discussion, the nature of the groundwater impacts will be separated into three general areas: on-Site, off-Site

upgradient, and off-Site downgradient/cross-gradient. The monitoring wells installed in each of these areas are listed in **Table 3-5** and shown on **Figure 3-2**.

5.2.1 On-Site Groundwater Characterization

Three on-Site monitoring wells (MW-19, MW-20, and MW-21) were sampled during the RI. Samples were analyzed for VOCs and select samples were analyzed for SVOCs, inorganics, PCBs, pesticides, and herbicides. VOCs and inorganics were detected above Class GA SGVs and are further discussed below.

VOCs

PCE was detected in each of the on-Site monitoring wells exceeding Class GA SGVs in May 2013, September 2013, March 2021 events only MW-19 and MW-20 during the November 2022 event (**Table 5-8** and **Figure 5-7**). The highest concentrations of PCE were consistently observed in monitoring well MW-19 (970 µg/L, 1,600 µg/L, and 720 µg/L, and 750 µg/L, respectively), located in the suspected source area. The next highest concentration was observed in well MW-20 (520 µg/L, 600 µg/L, 120 µg/L, and 94 µg/L, respectively). Concentrations observed in the remaining on-site monitoring well (MW-21) located on the west side of the Site were lower but still above Class GA SGVs (54.5 µg/L, 120 µg/L, and 45 µg/L). This distribution of PCE is consistent with the overall groundwater flow to the east-southeast and the flow component to the southwest.

PCE degradation products (cis-1,2-DCE, TCE, trans-1,2-DCE, and VC) were also observed in each sample (**Table 5-8** and **Figure 5-7**). TCE and cis-1,2-DCE were reported well above Class GA SGVs in MW-19 during May 2013, September 2013, March 2021, and November 2022 events, respectively. TCE and cis-1,2-DCE were reported well above Class GA SGVs in MW-20 during the four aforementioned events. Trans-1,2-DCE exceeded Class GA SGVs at MW-20 during the four events and MW-19 during one event. VC exceeded Class GA SGVs at MW-20 during the May 2013 and November 2022 events.

Chloroform was detected in well MW-19 (31.1 µg/L and 8.9 µg/L) during the May 2013 and September 2013 events exceeding the Class GA Standard but was not detected during either the March 2021 or November 2022 events. This well is within the suspected source area and contained the highest PCE concentrations. Chloroform was also detected at the other on-Site wells but at concentrations below the Class GA Standard.

Other VOCs exceeding Class GA SGVs were limited to benzene (**Table 5-8** and **Figure 5-7**). During the May 2013 and September 2013 events, benzene was detected in well MW-20 (2.9 J µg/L and 8.3 µg/L), which is located on the north side of the site and considered to be downgradient from the adjacent former Farrell's Garage site.

Inorganics

Two samples collected from on-stie wells were analyzed for inorganics during the RI. One sample was collected from MW-20 during the May 2013 sampling event and the second samples was collected from MW-21 during the September 2013 sampling event (**Table 5-10**, **Figures 5-8** and **5-9**).

Manganese (737 µg/L) and sodium (84,200 µg/L) exceeded Class GA SGVs in the sample collected from MW-20 during the May 2013 sampling event. Sodium (92,300 J µg/L) also exceeded Class GA SGVs in the sample collected from MW-21 during the September 2013 sampling event.

Inorganics are not typically associated with dry cleaners and the concentrations of the inorganics do not indicate a potential Site-related source area. Rather these constituents are considered to be occurring in groundwater through natural causes or other anthropogenic sources such as use of road salt.

Other Analyses
PCBs, pesticides, and herbicides were sampled at monitoring wells MW-16S, MW-20, MW-21, and MW-23 in 2013. However, no detections in groundwater were reported.

5.2.2 Off-Site Upgradient Groundwater Characterization

Off-Site monitoring wells considered to be located upgradient of the Site include three wells (MW-17, MW-22, and MW-24) installed during the RI and five monitoring wells (MW-9, MW-14, MW-15, B9NWMW-1, and B19NWMW-3) previously installed at the former Farrell's garage site by others. Samples collected from these wells were only analyzed for VOCs.

VOCs
PCE and/or its associated degradation products were observed above Class GA SGVs in the off-Site upgradient monitoring wells B19NWMW-3 and MW-14 during the May 2013 and September 2013 groundwater sampling events (**Table 5-8** and **Figure 5-7**). VOCs were not detected in the sample from B19NWMW-3 during the March 2021 event and MW-14 was not sampled during this event. Monitoring wells B19NWMW-3 and MW-14 are located along the northern Site property boundary. TCE was detected at MW-15 during the May 2013, September 2013, and March 2021 sampling events but below Class GA SGVs. No PCE and/or degradation products were detected at B9NWMW-1, MW-9, MW-17, MW-22, or MW-24.

PCE (13.4 µg/L) was detected above Class GA SGVs in monitoring well B19NWMW-3 in May 2013 only. However, degradation products (TCE, Cis-1,2-DCE and VC) were each present in this well at concentrations above Class GA SGVs in the May 2013 and September 2013 sampling events. No VOCs were detected in this well in the March 2021 event.

Samples collected from MW-14 during the May 2013 and September 2013 sampling events contained cis-1,2-DCE (5.2 µg/L and 15.1 J µg/L, respectively) and VC (3.6 J µg/L and 10.5 µg/L, respectively) above Class GA SGVs.

Other VOCs that were detected above Class GA SGVs in these wells include: benzene at monitoring wells MW-9 and MW-14, MTBE at MW-9 and MW-17, and ethylbenzene, isopropylbenzene, and xylenes (total), at MW-9. These compounds are generally associated with petroleum fuel products. The presence of these compounds above Class GA SGVs were limited to the northern portion of the former Farrell's Garage site and are likely associated with historic operations at that site.

VOCs were not detected in groundwater at well MW-24 located in the Oriskany Boulevard ROW, on the west side of Oriskany Boulevard, and west of the Site.

5.2.3 On-Site Microbial Analysis

Two groundwater samples were collected from MW-19 and MW-20 for microbiological analysis by the SiREM quantitative polymerase chain reaction (qPCR) Gene-Trac® method (Gene-Trac) to better understand the potential natural biotic degradation processes occuring in the glaciolacustrine and proglacial outwash groundwater at the Site. The Gene-Trac analysis is used to identify and quantify microbial species and enzymes related to the biodegradation of chlorinated solvents. The microbiological results from MW-19 and MW-20 groundwater samples are summarized on **Table 5-13**. Bacteria including *Dehalococcoides spp.* and *Dehalogenimonas spp.* are capable of anaerobically reductively dechlorinating PCE, TCE, and their associated daughter products (ex. cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride) present in the Site groundwater. Populations of *Dehalococcoides spp.* and *Dehalogenimonas spp.* bacteria and the functional genes associated with the complete reductive dechlorination of chlorinated ethenes were not observed in the groundwater sample from MW-19. Limited populations of *Dehalogenimonas spp.* and *Polaromonas spp.* ($1.0x10^2$ cells per milliliter [cells/mL] each) were observed in the sample from MW-20; however, the *Dehalogenimonas spp.* functional gene (cerA) responsible for the complete reductive dechlorination of VC was not enumerated in the MW-20 sample. Additionally, ethene and ethane were not observed in the samples from MW-19 and MW-20 further suggesting that reductive dechlorination may be inhibited in the site groundwater.

In contrast, the enzymes involved in the aerobic co-metabolic oxidation of PCE and related daughter products (e.g. is-1,2-DCE, trans-1,2-DCE, and VC, etc.) were observed in the MW-19 and MW-20 samples. As summarized on **Table 5-13**, aerobic co-metabolic enzymes observed in these samples include toluene monooxygenase (TMO), toluene dioxygenase (TDO), phenol monooxygenase/ph (PhMO), epoxyalkane transferase (EtnE), and soluble methane monooxygenase (sMMO). Co-metabolic enzymes TMO and TDO are capable of PCE and TCE co-oxidation. The presence of aerobic co-metabolic enzymes is consistent with the stabilized ORP and DO observations, reported concentrations nitrate, dissolved manganese, and sulfate, and minor detections of methane in the MW-19 and MW-20 groundwater samples.

Bacterial populations capable of the complete anaerobic reductive dechlorination of chlorinated ethene compounds were inadequate or not observed in the MW-19 and MW-20 groundwater samples. Observed geochemical parameters (including the dissolved oxygen [DO], oxygen reduction potential [ORP], nitrate, dissolved manganese, and sulfate; **Table 5-14**) suggest more oxidizing conditions favorable for aerobic co-metabolic oxidation processes were present in the site groundwater when the microbiological samples were collected.

Results of the microbial analysis will be further evaluated in the forthcoming FS.

5.2.4 Off-Site Downgradient/Cross-gradient Groundwater Characterization

Seven off-Site downgradient or cross-gradient monitoring wells (MW-16S, MW-16D, MW-18S, MW-18D, MW-23, MW-25, and MW-26) were sampled during the RI. Each of the samples was analyzed for VOCs and select samples were also analyzed for SVOCs, inorganics, PCBs, pesticides, and herbicides. VOCs and inorganics were detected above Class GA SGVs and are further discussed below. Samples were not analyzed for SVOCs, PCBs, pesticides, and herbicides

as part of the March 2021 event as these compounds were not detected above Class GA SGVs during the previous two sampling events.

VOCs
VOCs were detected above Class GA SGVs in well MW-16S and MW-23 (**Table 5-8** and **Figure 5-7**). No VOCs were detected above Class GS SGVs at MW-16D, MW-18S, MW-18D, MW-25, or MW-26. PCE was observed in MW-16S during May 2013, September 2013, and March 2021 sampling events above Class GA SGVs at 27.5, 28.3, and 18 JH [concentration estimated high] µg/L. However, VOCs were not detected in the corresponding deeper well, MW-16D. VC was observed in MW-23 during May 2013 and September 2013 sampling events above Class GA SGVs at 8.4 and 9.8 µg/L. Cis-1,2-DCE was observed in MW-23 during May 2013 sampling event above Class GA SGVs at 6.6 µg/L.

While PCE was detected below Class GA SGVs at MW-18S, no detections were reported in the samples associated with the corresponding deeper well, MW-18D.

Inorganics
One sample was collected for analysis of inorganics from MW-23 during the May 2013 sampling event and one sample was collected from MW-16S during the September 2013 sampling event (**Table 5-8** and **Figures 5-8** and **5-9**).

Sodium exceeded Class GA SGVs at MW-16S (107,400 µg/L) and MW-23 (234,000 µg/L). Additionally, iron (317 µg/L) exceeded Class GA SGVs at MW-23. Inorganics are not typically associated with dry cleaners and the concentrations of the inorganics are considered to be occurring in groundwater through natural causes or other anthropogenic sources.

Other Analyses
PCBs, pesticides, and herbicides were not detected in groundwater.

5.2.5 Emerging Contaminant Characterization
Three monitoring wells (MW-19, MW-21, and MW-23) were sampled by NYSDEC in April 2019. Each of the samples was analyzed for PFAS utilizing USEPA Method 537 (Modified) and 1,4-dioxane utilizing USEPA Method 8270 Select Ion Monitoring (SIM).

PFAS compounds perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), the sole PFAS compounds with corresponding Class GA SGVs, and 1,4-dioxane were detected as part of EC sampling (**Exhibit B**). While other PFAS compounds were detected, no corresponding Class GA SGVs have been developed.

PFOA and PFOS were detected above their respective Class GA SGVs of 6.7 nanograms per liter (ng/L) and 2.7 ng/L at on-Site well MW-19 at a concentration 0f 58 ng/L and 66 ng/L. PFOA was the only PFAS compound detected at upgradient well MW-21. However, the reported concentration of 5.8 J ng/L was below the corresponding Class GA SGV. Neither PFOA or PFOS were detected at off-Site and downgradient well MW-23.

Of the three wells sampled for ECs, 1,4-dioxane was only detected at on-Site well MW-19. However, the reported concentration of 0.16 J µg/L was below the corresponding Class GA SGV of 0.35 µg/L.

5.2.6 Nature and Extent of the Impacts to Groundwater Summary

SVOCs, PCBs, pesticides, and herbicides were not detected above Class GA SGVs during the RI. VOCs and inorganics are discussed further below.

VOCs

VOCs are present in both on-Site and off-Site wells sampled during the RI (**Table 5-8** and **Figure 5-7**). Site-related CVOCs, PCE, and associated degradation byproducts TCE, cis-1,2-DCE, trans-1,2-DCE, and VC, have been detected above Class GA SGVs in all three on-Site wells (MW-19, MW-20, MW-21), two wells on the adjacent northern property (B-19NWMW-3, MW-14), one well immediately east of the Site in the Owens Place ROW (MW-23), and one well on the adjacent southern property (MW-16S). However, CVOCs were not detected in the deep well (MW-16D) associated with MW-16S. The highest concentrations of PCE were observed in the on-Site wells in the vicinity of the suspected source area. PCE was also present above the Class GA Standard in well MW-21, which is located on the west side of the on-Site structures.

The horizontal limits of CVOCs are defined to the north, west, and east. The horizontal limits have not been fully defined to the south based on the exceedance of Class GA SGVs at MW-21 (southwest property boundary) and MW-16S (south of Site).

Additional VOCs observed above Class GA SGVs are petroleum related constituents that are likely related to adjacent the former Farrell's Garage site.

Inorganics

Concentrations of inorganics (**Table 5-8** and **Figures 5-8** and **5-9**) observed in groundwater in the RI Study Area (on-Site and off-Site) are consistent with the regional surficial and bedrock geology and the urban environment in the vicinity of the site and are not considered related to Site activities.

Emerging Contaminants

PFOA and PFOS exceedances observed in groundwater in the RI Study Area were limited to monitoring well MW-19. However, the horizontal and vertical limits have not been fully defined at the Site. Furthermore, elevated detections of PFAS compounds in on-site groundwater is suggestive of potential impacts resulting from historical dry-cleaning operations at the Site.

1,4-Dioxane exceedances were not observed in the RI Study Area.

Other Analyses

PCBs, pesticides, and herbicides were not detected in groundwater.

5.3 Nature and Extent of Impacts of Sub-Slab Soil Vapor

As previously discussed, (**Section 3.6**), the investigation provided for characterization of sub-slab and indoor air impacts in on-Site and off-Site buildings.

Concentrations of detected constituents were compared to criteria to provide context for describing the nature and extent of the impacts. The evaluation of impacts used NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006) Soil Vapor/Indoor Air Decision Matrices (NYSDOH Decision Matrices), as amended in May 2017.

5.3.1 On-Site Vapor Intrusion Sampling

On-Site sub-slab soil vapor was not sampled as part of the RI. However, sub-slab soil vapor and indoor air samples were collected by others prior to the RI both, at the on-Site residence and on-Site commercial building. The data was not presented in a report and full analytical reports were not available. This data, as presented to Ramboll by NYSDOH is provided in **Appendix Q** with notes indicating the location. As indicated by the data, on-Site PCE concentrations in sub-slab soil vapor ranged from 1,300 to 2,000,000 micrograms per cubic meter (µg/m^3) and from 170 to 920 µg/m^3 in indoor air.

As noted in **Section 3.6.1**, a SSDS was designed and installed by Ramboll as part of the RI at the on-Site residence (341W), consistent with the NYSDEC/NYSDOH approved system design. Follow-up PMIA sampling was performed on March 3, 2013. PCE was detected in the indoor air sample 3.05 J µg/m^3, which is below the NYSDOH air guideline value of 30 µg/m^3 (**Table 5-15**).

Additionally, as noted in **Section 3.6.1**, a total of three PMIA samples were collected at the on-Site commercial building (130-134 Oriskany Boulevard) to evaluate effectiveness of mitigation system previously installed by others. One sample was collected on September 19, 2013. Two samples were collected on March 3, 2014. PCE was detected in the September 2013 indoor air sample at 54.2 µg/m^3, above the NYSDOH air guideline value of 30 µg/m^3 (**Table 5-15**). At NYSDEC/NYSDOH request, the SSDS system was modified, by others not under direction of Ramboll, to improve operation. After modification NYSDEC requested additional indoor air sampling. PCE was detected in the March 2014 indoor air samples at 1.15 µg/m^3 and 9.49 µg/m^3.

5.3.2 Off-Site Vapor Intrusion Sampling

As discussed in **Section 3.6** as part of the RI, sub-slab vapor and indoor air samples were collected at five neighboring off-Site properties (six houses or apartments) to evaluate the potential for migration of VOC vapors from the Site. Off-Site PCE concentrations ranged from 6.71 to 286 µg/m^3 in sub-slab soil vapor and from 1.72 to 29.8 µg/m^3 in indoor air. Off-Site residences that were sampled will only be identified by a code (i.e., 341W) to preserve confidentiality.

334W

NYSDOH Decision Matrices compounds PCE, carbon tetrachloride, and methylene chloride were detected in the indoor air sample at respective concentrations of 1.42 µg/m^3, 0.31 µg/m^3, and 0.83 µg/m^3. Comparatively, these compounds were detected in the corresponding sub-slab sample at concentrations of 7.46 µg/m^3, 0.25 µg/m^3, and 2.36 µg/m^3 (**Table 5-15**). The concentrations of detected VOCs in the indoor air of the building are consistent with those levels found in the corresponding ambient air sample. Based upon a comparison of indoor air and sub-slab results to the NYSDOH Decision Matrices, no further action is required at 334W.

340W
NYSDOH Decision Matrices compounds PCE, TCE, cis-1,2-DCE, VC, carbon tetrachloride, and 1,1,1-trichloroethane (TCA) were detected in the indoor air sample at respective concentrations of 29.8 µg/m^3, 3.76 µg/m^3, 1.63 µg/m^3, 0.26 J µg/m^3, 0.88 J µg/m^3 and 0.38 J µg/m^3. Comparatively, these compounds were reported in the corresponding sub-slab sample at concentrations of 286 µg/m^3, 4.73 µg/m^3, 0.4 UJ (indicates compound was not detected and estimated) µg/m^3, 0.08 UJ µg/m^3, 0.31 J µg/m^3, and 0.33 J µg/m^3. (**Table 5-15**). Based upon a comparison of indoor air and sub-slab results to the NYSDOH Decision Matrices, the concentrations of PCE indicated that mitigation was required at 340W.

To mitigate the potential for sub-slab soil vapor intrusion, a SSDS was designed by Ramboll and approved by NYSDEC (**Appendix I**). However, due to a buried fuel oil line in the property floor that prevented sub-slab communication to a third suction point, only a partial SSDS was installed. The partial SSDS installation was completed on August 26, 2015. Follow-up sampling completed in February 2016 detected PCE in indoor air. However, the concentration (2.64 µg/m^3) was an order of magnitude below indoor air concentrations observed in March 2013. A comparison to the post-installation PCE concentration to the pre-installation sub-slab concentration, discussed above, would constitute a no further action decision on the NYSDOH Decision Matrices.

344W
NYSDOH Decision Matrices compounds PCE, TCE, carbon tetrachloride, and methylene chloride were detected in the indoor air sample at respective concentrations of 4.27 µg/m^3, 0.75 J µg/m^3, 0.69 J µg/m^3, and 0.66 J µg/m^3. These compounds were reported in the corresponding sub-slab sample at concentrations of 14.9 µg/m^3, 0.16 UJ µg/m^3, 0.25 J µg/m^3, and 2.4 µg/m^3 (**Table 5-15**). Based upon a comparison of indoor air and sub-slab results to the NYSDOH Decision Matrices, no further action was required at 344W.

345W
NYSDOH Decision Matrices compounds PCE, TCE, cis-1,2-DCE, VC, carbon tetrachloride, and TCA were reported in the indoor air sample at respective concentrations of 14.2 µg/m^3, 1,93 J µg/m^3, 0.87 J µg/m^3, 0.15 J µg/m^3, 0.38 J µg/m^3, and 0.016 UJ µg/m^3. These compounds were reported in the corresponding sub-slab sample at concentrations of 27.1 µg/m^3, 0.75 J µg/m^3, 0.32 J µg/m^3, 0.08 UJ µg/m^3, 3.15 µg/m^3, and 0.55 J µg/m^3. (**Table 5-15**). Based upon a comparison of indoor air and sub-slab results to the NYSDOH Decision Matrices, TCE and PCE detections indicate that sources should be identified with resampling or mitigation be performed at 345W. However, upon review of the VI results, NYSDOH issue a no further action letter to the owners of 345W citing that the observed concentrations were below NYSDOH's actionable limits. As a result, no additional sampling has been conducted at 345W.

347W
NYSDOH Decision Matrices compounds PCE, TCE, and carbon tetrachloride were detected in the indoor air sample at respective concentrations of 3.05 J µg/m^3, 0.81 J µg/m^3, and 0.38 J µg/m^3. Comparatively, these compounds were detected in the corresponding sub-slab sample at concentrations of 6.71 µg/m^3, 0.48 J µg/m^3, and 0.44 J µg/m^3 (**Table 5-15**). Based upon a comparison of indoor air and sub-slab results to the NYSDOH Decision Matrices, no further action is required at 347W.

351W
NYSDOH Decision Matrices compounds PCE, TCE, and carbon tetrachloride were reported in the indoor air sample at respective concentrations of 4.95 µg/m^3, 0.16 UJ µg/m^3, and 0.44 J µg/m^3. Comparatively, these compounds were detected in the corresponding sub-slab sample at concentrations of 23.1 µg/m^3, 1.18 J µg/m^3, and 0.44 µg/m^3 (**Table 5-15**). Based upon a comparison of indoor air and sub-slab results to the NYSDOH Decision Matrices, no further action is required at 351W.

347A
347A was sampled in February 2022 and again in February 2023 with similar results observed. In February 2022, NYSDOH Decision Matrices compounds PCE, TCE, cis-1,2-DCE, carbon tetrachloride, and methylene chloride were detected in the indoor air sample at respective concentrations of 2.5 µg/m^3, 0.81 µg/m^3, 0.33 µg/m^3, 0.48 µg/m^3, and 2.1 µg/m^3. Comparatively, these compounds were reported in the corresponding sub-slab sample at concentrations of 94 µg/m^3, 17 µg/m^3, 1.1 µg/m^3, 0.97 µg/m^3, and 3.5 U µg/m^3 (**Table 5-15**). Based upon a comparison of the February 2022 indoor air and sub-slab results to the NYSDOH Decision Matrices, TCE detections indicate that further monitoring be performed at 347A.

Based on the results of the February 2022 sampling, further monitoring was conducted at 347A in February 2023. In February 2023, NYSDOH Decision Matrices compounds PCE, TCE, cis-1,2-DCE, carbon tetrachloride, and methylene chloride were detected in the indoor air sample at respective concentrations of 5.7 µg/m^3, 0.41 µg/m^3, 0.15 µg/m^3, 0.61 µg/m^3, and 2.3 µg/m^3. Comparatively, these compounds were reported in the corresponding sub-slab sample at concentrations of 83 µg/m^3, 15 µg/m^3, 0.52 µg/m^3, 1.3 µg/m^3, and 3.5 U µg/m^3 (**Table 5-15**). Similar to findings in February 2022, a comparison of the February 2023 indoor air and sub-slab results to the NYSDOH Decision Matrices, TCE detections indicate that further monitoring be performed at 347A.

5.3.3 Nature and Extent of the Impacts to Sub-Slab Soil Vapor Summary
Sub-slab PCE and breakdown products exceeding NYSDOH Decision Matrices were observed beneath both on-Site buildings (commercial and residence) and one off-Site residence.

The maximum on-Site sub-slab concentration of PCE was observed beneath the commercial building (sampled by others) followed by the on-Site residence. At the request of NYSDEC, a SSDS was installed in the on-Site commercial building by others. Initial PMIA sampling by Ramboll identified PCE in indoor air above the NYSDOH air guideline value. After SSDS modification by others, PMIA sampling was completed and PCE was detected below the NYSDOH air guideline value. A SSDS was installed at the on-Site residence by Ramboll on June 14, 2013, and PMIA sampling confirmed system operation.

The sub-slab concentration of PCE detected beneath the residential building designated 340W was above the NYSDOH Decision Matrices. A partial SSDS was designed and installed by Ramboll on August 26, 2015, at the residential building designated 340W with PMIA sampling conducted in February 2016.

6. TRANSPORT AND FATE

The RI documented the presence of COCs that exceed regulatory criteria. These COCs occur in on-Site and off-Site sub-slab soil vapor, soil and groundwater. The transport and fate of these COCs are discussed in this section. While lead was detected in surface and subsurface soils above SCOs as part of the RI, it is recognized that lead is not related to dry cleaning processes. However, while it is not considered a Site related COC, its presence above SCOs warrants further evaluation.

6.1 Site COCs

The majority of the COCs that exceed regulatory criteria and were commonly detected are CVOCs. Non-COC VOCs, SVOCs, and inorganics were detected during the RI that exceeded regulatory criteria but are not considered related to Site activities. The following is a list of the Site-related COCs that were documented during the RI and the media they are associated with:

VOCs

- Site-related
  - PCE: subsurface soil, groundwater, and sub-slab soil vapor
  - TCE: subsurface soil, groundwater
  - cis-1,2-DCE: subsurface soil, groundwater
  - trans-1,2-DCE: subsurface soil, groundwater
  - VC: subsurface soil, groundwater
  - chloroform: groundwater
  - PFAS compounds PFOA and PFOS: groundwater

Inorganics

- Not Site-related
  - Lead: surface soil, subsurface soil

PCE and its related degradation products (TCE, cis-1,2-DCE, trans-1,2-DCE, VC), chloroform, and PFAS are considered the principal Site COCs. Benzene, acetone, ethylbenzene, isopropylbenzene, and methyl tert-butyl ether were detected above regulatory criteria but are not Site-related COCs and will not be included in the following transport and fate discussions. Similarly, SVOCs and inorganics detected above regulatory criteria are not Site-related COCs. With the exception of lead, inorganics will not be included in the following transport and fate discussions.

The physical characteristics of the COCs play a role in their transport and fate within the RI Study Area. The physical properties, such as molecular weight, density, viscosity, solubility in water, water/organic carbon partitioning coefficient, and Henry's Gas Law constant, for the Site COCs and other chemical constituents are presented in **Table 6-1**. Sources for these physical property values are referenced on the table.

6.2 Transport and Fate of COCs in Surface Soil

Lead in surface soils above SCOs are located in soil adjacent to the on-Site residence. The vertical extent of lead extends to 1 ft bgs at the on-Site residence. The transport mechanism for lead is limited to migration in soil by wind. Lead tends to be stable in soil because it does not degrade or volatilize. Although the majority of the surfaces proximate to sample locations are

covered with vegetation, some soils behind the on-Site residence are bare soil exposing soil to wind. Lead does not readily migrate through soil unless disturbed or tilled potentially moving it to deeper soil horizons. Lead does not readily dissolve unless exposed to acidic conditions.

6.3 Transport and Fate of COCs in Subsurface Soils

Identified Site-related CVOCs in Site subsurface soils are located beneath the eastern parking lot at the Site, beneath the western parking lot at the Site, and behind the on-Site residence. The vertical extent of these constituents extends through unsaturated and saturated soil to the top of till. Because these soils are located under the parking lot, the transport mechanism of these constituents is limited to the migration of the vapors and transport by groundwater. Henry's Law suggests that PCE, PCE degradation products, and chloroform, are relatively volatile and therefore, can be expected to volatilize into and migrate as soil vapors (**Table 6-1**).

Soil vapor migration is driven by vapor pressure gradients. For a building with a competent concrete slab, the slab will significantly limit the migration of soil vapors into a building. Backfill surrounding subsurface utilities can provide pathways for vapor migration. Vapors can also enter through utility penetrations in the foundation or any other openings. For a building with a compromised (cracked) concrete slab, soil vapors can migrate through the cracks into the building. Additional discussion about the transport and fate of soil vapors is presented below.

Groundwater is consistently present in the silt and clay and sand and gravel unit between 5 and 10 ft bgs. When groundwater is in contact with these soils, the VOCs are expected to dissolve into the groundwater and then migrate with the groundwater. The soils above the till are of higher permeability than the underlying till. Therefore, the Site overburden groundwater is expected to migrate horizontally. Groundwater concentrations in the vicinity of and downgradient of these existing subsurface soils suggest that the existing subsurface soils have impact on groundwater quality. Additional discussion about the transport and fate of groundwater is presented below.

Volatilization of VOCs to soil vapor and dissolution into groundwater will act to reduce VOC concentrations in the subsurface soils. PCE, PCE degradation products, and chloroform, are susceptible to biodegradation and abiotic degradation.

Lead in subsurface soil above SCOs was observed up to 3.2 ft bgs in the eastern on-Site parking lot. No transport mechanism for lead is present under current site conditions. This location is covered by pavement eliminating exposure to wind and surface water. Lead does not readily migrate through soil unless disturbed and current cover by pavement limits disturbance. Lead does not readily dissolve unless exposed to acidic conditions. Groundwater is at greater than 7 ft bgs in this area. Combined with the pavement cover, soil exposure to water is limited.

6.4 Transport and Fate of COCs in Groundwater

Dissolved COCs in groundwater will advect and attenuate with groundwater flow, with migration distances limited by the mass of material initially released and the compound-specific attenuation and retardation mechanisms at work on each COC.

There are no known remaining facility activities that could act as a potential continuing source of CVOCs or PFAS to the surrounding site. In addition, no remnant tanks or other sources have been identified. Dense non-aqueous phase liquid (DNAPL) that has entered the subsurface in the past can act as a residual source of measured impacts to groundwater, however DNAPL was not reported to be observed during the advancement any prior soil borings, and DNAPL has not been documented in any monitoring well.

VOCs

The highest groundwater PCE concentration documented in a monitoring well was 1,600 µg/L (MW-19, September 18, 2013). This concentration is close to but below the "rule of thumb" 1% (2,000 µg/L) of PCE solubility (**Table 6-1**) (Kueper and Davies, 2009). Reported PCE concentrations during subsequent groundwater sampling events, including two during the RI (May 2013 and September 2013), an additional event in March 2021, and the sampling of two wells in November 2022 showed generally decreasing concentrations of PCE that were an order of magnitude below this maximum reported value.

Section 4.1.1 documents the presence of sand and gravel deposits on-Site and off-Site. Because of the higher hydraulic conductivity of this unit, compared to the underlying till or overlying silt and clay, where present, the sand and gravel unit is expected to serve as the principal groundwater migration pathway both on-Site and off-Site.

Based on information collected during the RI, the groundwater flow direction is generally to the southeast across the Site under a relatively flat hydraulic gradient. PCE has been detected in groundwater to the west side of the Site in MW-21. This well is cross-gradient or downgradient of the site, depending on time of year, and screens the sand and gravel. PCE has also been detected in groundwater to the southeast of the Site at MW-16S. This monitoring well is hydraulically downgradient from the Site and screens the sand and gravel unit. Groundwater with dissolved PCE will migrate downgradient from the Site at the velocity of the groundwater unless attenuation processes act to retard the PCE migration or decrease concentrations. PCE transport can be affected by multiple attenuation processes that will govern the rate of transport and downgradient concentrations. The three orders of magnitude decline in downgradient PCE concentrations, observed between MW-19 and well MW-16S located 80 ft south, suggests that attenuation processes are significant. Processes that can limit the downgradient migration and concentration of PCE in groundwater include diffusion, dispersion, volatilization, sorption, and biologic and abiotic degradation.

Volatilization is a process that will remove PCE from the groundwater surface into soil vapor. The transport and fate of CVOC COCs in soil vapor is discussed in **Section 6.5.**

Sorption will retard the migration of CVOCs in groundwater. The retardation factor caused by sorption can be estimated by the following equation: $R = (1+(Pb/m)*Kd)$

Where:
- R = retardation factor
- Pb = dry bulk density (g/cm3)
- m = volumetric moisture content
- Kd = distribution coefficient (Koc * Foc)
- Koc = organic carbon partitioning coefficient

Foc = organic carbon content (%)

The organic carbon content of the sand and gravel is estimated at <0.006% to 0.6% (Carsel et al. 1988). As is evidenced by this equation, if the organic carbon content of the matrix increases, the retardation coefficient increases. Using a typical bulk dry density (1.7 kg/L), a typical moisture content (0.2) and a Koc value for PCE of 155, the estimated PCE retardation factor could range from <1.5 to 6.3. This suggests that the migration rate of PCE in groundwater could range from slightly less than groundwater flow to about 6 times slower than the groundwater flow.

PFAS

PFAS represent a very large group of manmade compounds that have been manufactured and used since the late 1940s. PFAS have been widely used in residential, recreational, personal care, commercial and industrial applications. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. PFAS can be found in a multitude of products including aqueous film forming foam (AFFF), fume suppressants, specialty coatings, office supplies, household cleaners, surface treatments, apparel, and many other products. Their ubiquitous nature has resulted in detection in municipal landfills, landfill leachate, sanitary sewer systems, as well as the discharge and biosolids from publicly owned treatment works.

Most PFAS releases to the environment are a mixture of many compounds that exhibit somewhat differing chemical and physical properties. Most of the PFAS that are currently analyzed are perfluorinated compounds, such as PFOS, a perfluorosulfonic acid (PFSA), and PFOA, a perfluorocarboxylic acid (PFCA). Relative to PFOS, PFOA does not sorb as readily to soils as a result of its much lower molecular weight and the differing charge density of the carboxylic functional group. Generally speaking, PFCAs do not sorb to soil as readily as PFSAs with the same number of carbon atoms, resulting in lower retardation rates for the PFCAs relative to PFSAs. Also, PFAS with fewer carbon atoms tend to sorb more poorly than PFAS with more carbon atoms. Thus, the presence of pentafluorobutanoic acid (PFBA; six carbons) in MW-19 and as the only PFAS detected in downgradient well MW-23 could be an indication of its potential for further migration relative to PFOA or PFOS (each with eight carbons).

In addition to sorption preferences due to group type and numbers of carbon atoms, a PFAS release can contain "precursor" material, polyfluorinated compounds that can degrade to form perfluorinated PFAS. Examples of precursors are the fluorotelomer sulfonates (FTSs) that are found in many AFFFs and can potentially degrade to PFCAs under aerobic site conditions.

Because PFAS sources can contain a mixture of PFSAs and PFCAs (with different rates of transport in groundwater due to sorption rates), and precursors that can transform through time as groundwater migrates, the chemical "signature" of a single source can change along the migration pathway. Evaluation of the changes in PFAS signatures along the presumed groundwater flow path can therefore be an important component of site characterization.

6.5 Transport and Fate of COCs in Soil Vapor

The site related CVOC COCs (PCE, cis-1,2-DCE, trans-1,2-DCE, TCE, VC, and chloroform) can partition into soil vapor from soil and from groundwater. Henry's Law suggests that Site-related CVOCs are relatively volatile and therefore, can be expected to volatilize into and migrate with

soil vapors. Soil vapor migration is primarily driven by vapor pressure gradients (advection) in the soil and by gaseous diffusion. Pressure gradients can develop due to natural processes, such as changes in barometric pressure, and anthropogenic processes such as negative pressure in a building due to the heating system. In either condition, the soil vapors will migrate from a zone of higher pressure to a zone of lower pressure, which can include more permeable soil. Soil vapor also migrates as a result of the concentration gradient between the areas with higher concentrations and surrounding areas of lower concentrations. This can result in upward, lateral, and downward migration through the vadose zone. Where soil vapors are under a low permeable surface, such as a building slab or pavement, the vapors typically migrate laterally to the edge of the low permeable surface and then discharge to the atmosphere. Low pressure gradients can exist under buildings resulting in stagnant or very slow vapor transport. If there are cracks or other permeable features in or under a building slab, then the vapors may migrate through the cracks and discharge to the building interior.

Processes such as sorption, degradation, diffusion, and dispersion, and partitioning into soil pore water can affect the transport and fate of CVOCs in soil vapor. Sorption to soil matrix can retard the migration of CVOCs in a similar manner as sorption processes associated with groundwater. The naturally occurring carbon content of the soils will affect the degree of CVOC sorption. Abiotic and biological processes could act to degrade CVOCs in the subsurface. Dispersion processes can act to reduce CVOC concentrations in soil vapors and CVOC concentrations when soil vapors discharge to a building or atmosphere.

The RI VI sampling data (**Section 5.3**) document that there is a current pathway for sub-slab soil vapors to migrate into indoor air at off-Site residence 340W. A partial SSDS was installed at 340W and subsequent PMIA sampling confirmed indoor air mitigation. The more recent RI VI sampling event, performed in February 2022 and February 2023, also suggests that there is a current pathway for sub-slab soil vapors to migrate into indoor air at off-Site residence 347A.

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7. FISH AND WILDLIFE RESOURCE IMPACT ASSESSMENT

A Fish and Wildlife Resource Impact Assessment (FWRIA) report was completed for the Site in accordance with Steps I and II of the NYSDEC's FWRIA guidance document (NYSDEC 1994) and is included as **Appendix R**. Step I included a Site description in terms of topography, cover types, drainage, fish and wildlife resources and value, and identification of potentially applicable fish and wildlife criteria. Step II was performed to evaluate potential impacts of Site-related constituents on the identified fish and wildlife resources, including a Pathway Analysis (Step II-A) and Criteria-specific Analysis (Step II-B).

The Site contains a commercial building, a residence, gravel and paved surfaces, and two small mowed lawn areas. Surrounding land uses are also reflective of development and include commercial and residential properties. Based on the soil investigations performed for the RI, Site-related constituents have been detected in surface and subsurface soil samples from the 0- to 2-in and 0- to 2-ft intervals collected for the Site.

No wetland or aquatic habitats are present on or in the immediate vicinity of the Site. Available on-Site ecological habitat is limited to mowed lawn terrestrial habitat. This habitat is of relatively poor quality due to the lack of vegetative diversity and relatively small size and location. Wildlife which may utilize the Site includes songbirds and small mammals. However, periodic maintenance and monitoring of the mowed lawn area and the developed nature of the adjacent areas significantly limits the utilization of the Site by wildlife.

The findings of this FWRIA result in the conclusion that Site-related impacts to ecological receptors are minimal or non-existent and further assessment of potential ecological impact is not warranted.

8. CONCEPTUAL SITE MODEL

This section presents the CSM developed for the Site based on data collected during the RI.

In general, the Site is located in a suburban environment and is bounded to the north and east by residential buildings and to the south and west by commercial buildings. The Sauquoit Creek is located approximately 1,800 ft to the south of the Site. The Mohawk River is located approximately 3,900 ft to the northeast of the Site. The majority of the site is paved or covered by buildings. Surface water drainage from the Site flows east towards Owens Place and west towards Oriskany Boulevard where it is collected in the storm sewer system. The storm sewer then discharges to the Sauquoit Creek without treatment. Water at the Site is publicly supplied.

8.1 Site Geology Overview

The Site is underlain by overburden consisting of fill and glaciolacustrine deposits and till, which overly bedrock. The bedrock is reported to be Upper Ordovician, Frankfort and Utica shales (Halberg et al., 1962). Bedrock was not encountered during this investigation. Cross sections of the site geology are presented as **Figures 4-1** and **4-2**.

The surface of the majority of the Site is covered with asphalt pavement or structures. The unconsolidated materials nearest to the surface across the RI study area are composed of sand and gravel fill of varying composition ranging from silt to coarse sand and gravel. A silt and clay (glaciolacustrine deposit) unit was observed beneath the surficial fill with varied composition from silty clay to fine sand and varied in thickness from 0 foot on the west side of the RI Study Area to 18 ft to the northeast side of the RI Study Area. A proglacial outwash sand and gravel unit underlies the glaciolacustrine deposits and varies in thickness from a 0 foot thickness on the northeast side of the RI Study Area to approximately 20 ft on the south side of the RI Study Area. A dense till was encountered below the unconsolidated deposits and ranged in depth from 10 ft near the source area to 28 ft south of the Site.

8.2 Site Hydrogeology

Groundwater at the Site occurs in the silt and clay and the sand and gravel overburden deposits between 5 to 10 ft bgs and generally flows to the southeast in the direction of the Sauquoit Creek with a flow component to the northeast towards the Mohawk River. Although groundwater is present in the glaciolacustrine silt and clay deposits, groundwater flow is predominately horizontal through the sand and gravel unit due to its inherently higher hydraulic conductivity (**Figures 4-4** through **4-7**). The sand and gravel unit overlying the till is the primary transmissive zone at the Site.

There is potential that the former Erie Canal, reportedly within the footprint of Oriskany Boulevard, may affect the groundwater elevations as well as flow in these area . Based on the reported depths of the Erie Canal fill it is possible that the native sand and gravel unit that underlies the study area extends under Oriskany Boulevard (**Figure 4-1**).

8.3 Nature and Extend of Site COCs

Soil borings, surface and subsurface soil sampling, well installation, groundwater sampling, and VI sampling were completed to characterize the nature and extent of impacts of Site COCs.

Constituents identified as Site COCs include PCE, and PCE degradation products: TCE, DCE, cis-1,2-DCE, trans-1,2-DCE, and VC, chloroform, and the PFAS compounds PFOA and PFOS.

8.3.1 Soils

Surface Soil
SVOCs exceeded Unrestricted, Residential and Protection of Groundwater SCOs in surface soil at two of three locations at the on-Site residence and the one sample at the off-Site residence.

Inorganics were detected in surface soil samples above Unrestricted, Residential, and Protection of Groundwater SCOs (**Table 5-3, Figure 5-3**) at the on-Site residence. Lead exceeded Commercial, Residential, and Protection of Groundwater SCOs in surface soil at SS-1 and SS-5. Cadmium slightly exceeded Residential SCOs in surface soil at SS-1. Cadmium, lead, zinc and mercury exceeded Unrestricted SCOs in surface soil at one or more locations (SS-1, SS-2, SS-3, and SS-5). Lead (up to 1,440 mg/kg) and cadmium (2.78 J mg/kg) exceeded Residential SCOs, specifically at locations in the on-Site residence back yard (SS-1 and/or SS-5). Lead was more than twice the Residential SCO at these locations. Iron also exceeded CP-51 Residential SCOs at locations SS-1, SS-2, and SS-3.

The horizontal limits of exceedances of several SVOCs, inorganics and pesticides are defined as limited to those small areas of exposed soil or vegetation (**Figure 5-2** through **5-4**). Vertical limits of Unrestricted and Residential SCO exceedances for lead are defined with the exception of location SS-5, behind the on-Site residence, where lead exceeded the Residential SCO in the deepest sample (0.5 to 1 ft bgs). Vertical limits of silver exceeding the Unrestricted SCO is also undefined at two locations (SS-1 and SS-3) where silver only slight exceeded the Unrestricted SCO in the deepest sample (1 to 2 ft bgs). The vertical and horizontal limits for iron CP-51 Residential SCO (NYSDEC, 2010a) exceedances are undefined.

Pesticides exceeded Unrestricted SCOs at one location adjacent to the on-Site residence. The horizontal limits of Unrestricted SCO exceedances of pesticides are defined, and limited to location SS-1, behind the building. The vertical limit of the Unrestricted SCO exceedance of one pesticide (4,4-DDT) is undefined at SS-1 as it was detected slightly above the SCO in the deepest sample (1 to 2 ft bgs).

Subsurface Soil
XSD readings from MIP drilling identified two zones (Zone A and Zone B) CVOC impacts. In Zone A (shallower zone), MIP results indicate that XSD values above background are confined to the Site with the exception of elevated MIP readings at one location along the northern property boundary. The highest observed XSD readings in Zone A are from locations SB-15 (609,607 µV) and SB- 28 (657,445 µV), on the east side of the building in the vicinity of the pipe end observed in the building foundation (**Figure 3-2**). An XSD reading of 345,317 µV was observed at SB-29 along the northern Site boundary near the northeast corner of the commercial building suggesting that elevated CVOCs may be present.

In Zone B (deeper zone), MIP results indicate that XSD values above background are confined to the Site, with one exception. At one off-Site location, on the east side of Owens Place, an XSD reading slightly above background was observed. The highest observed XSD readings in Zone B

are from locations SB-15 (226,905 µV) and SB- 28 (383,007 µV) (**Figure 5-6**). However, Zone B XSD readings at SB-28 and SB-15 are lower than XSD readings at the same locations in Zone A.

PCE and its associated degradation products exceeded Unrestricted SCOs in on-Site soil under the eastern parking lot, western parking lot, and between the on-Site residence and commercial building at depths up to 13.5 ft bgs. PCE and TCE exceeded Commercial SCOs under the eastern parking lot adjacent to the pipe end observed in the building foundation (in the location of MIP borings SB-15 and SB-28 discussed above), which represents a possible source area. PCE and degradation products did not exceed SCOs at off-Site locations.

Acetone exceeded Unrestricted, and Protection of Groundwater SCOs at one off-Site location. Acetone, benzene, and 1,2-dichlorobenzen exceeded Unrestricted and Protection of Groundwater SCOs at three on-Site locations. Acetone, benzene, and 1,2-dichlorobenzen are not site-related compounds.

Other inorganics exceedances in subsurface soil included iron, silver, zinc, and mercury. Iron was observed above the NYS CP-51 Residential SCO (NYSDEC, 2010a) at SS-1, SS-2, SS-3, and SB-9 in the 0.5-1.0 and 1.0 to 2.0 ft bgs interval samples. Silver was detected above Unrestricted SCOs at SS-1 and SS-3 in the 1.0-2.0 ft bgs interval samples. Zinc was detected above Unrestricted SCOs at SS-1 and SS-2 in the 0.5-1.0 ft bgs interval samples. Mercury was also detected above Unrestricted SCOs at SS-1 in the 0.5-1.0 ft bgs interval sample.

The vertical and horizontal limits of subsurface soil containing SVOCS above Commercial SCOs are defined (**Figure 5-1**). The horizontal limits of Unrestricted SCO exceedances of CVOCs are defined to the north, south and east. The exceedance of Unrestricted SCOs in soil at SB-23R represents horizontal limits not yet defined at the western property boundary. Vertical limits of CVOCs exceeding Unrestricted SCOs are not defined at several locations immediately adjacent to the commercial building including SB-15, SB-16, SB-23R, SB-28R, and SB-34.

8.3.2 Groundwater

VOC impacts to groundwater have been observed in both the on-Site and off-Site wells. Site-related CVOCs have been detected above Class GA SGVs in all three on-Site wells, two wells on the adjacent northern property (B-19NWMW-3, MW-14), one well immediately east of the Site in the ROW (MW-23), and one well on the adjacent southern property (MW-16S).

Concentrations of inorganics observed in the RI study area (on-Site and off-Site) are consistent with the regional surficial and bedrock geology and the urban environment in the vicinity of the site and are not considered related to Site activities.

The horizontal limits of CVOCs are defined to the north, west, and east. The horizontal limits have not been defined to the south based on the exceedance of Class GA SGVs at MW-21 (southwest property boundary) and MW-16S (south of Site).

PFAS impacts to groundwater above Class GA SGVs were observed on-Site at monitoring MW-19. However, the horizontal and vertical limits of PFAS have not been fully defined.

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8.3.3 Surface Water

There are no sources of surface water on site. The nearest surface water is the Sauquoit Creek, 1800 ft to the south of the site.

8.3.4 Vapor Intrusion

Based on historical and RI results, PCE has been observed in sub-slab soil vapor under the on-Site structures and two off-Site residences (340W and 347A) to the southeast of the site. SSDSs installed by Ramboll are operational at the on-Site residence and off-Site residence 340W. Additionally, a SSDS installed by others is operational at the on-Site commercial building.

8.4 Transport and Fate of Site COCs

8.4.1 Soils

Few VOC concentrations exceeding SCOs were observed in the subsurface soil samples, although based on MIP results, it is widely distributed. Volatilization of CVOCs to soil vapor (**Section 6.5**) and dissolution into groundwater (**Section 6.4**) will act to reduce the remaining CVOC concentrations in the subsurface soils. In addition to volatilization and dissolution, PCE is susceptible to biodegradation and abiotic degradation which will also act to reduce COC concentrations in the subsurface soils.

Few SVOC concentrations exceeding SCOs were observed. Concentrations exceeding SCOs were observed in shallow surface soils (0 to 0.17 ft).

Several inorganics were detected above SCOs in surface soils adjacent to the on-Site residence and under the eastern, on-Site parking lot. Inorganics can be transported through dissolution or suspended transport in surface runoff and infiltration into the subsurface and into groundwater. The on-Site transport of these COCs by surface flow would result in discharge to the storm water sewer which discharges to the Sauquoit Creek. While inorganics do not degrade, chemical reactions can occur that increase or decrease the mobility of arsenic and copper in the soils. The mechanisms of subsurface soil and groundwater transport are discussed in **Sections 6.3** and **6.4**, respectively.

Inorganics detected above SCOs in subsurface soils located east of the commercial building are isolated under the asphalt surface of the parking lot and are not exposed to surface water or groundwater. Under the current Site conditions these COCs are not anticipated to be subject to transport mechanisms and will remain entrained in the shallow subsurface soils. While inorganics do not degrade, chemical reactions can occur that mobilize or immobilize arsenic and mercury in the subsurface soils.

8.4.2 Groundwater

The principal mode of transport of dissolved phase PCE, PCE degradation products, chloroform and PFAS compounds from the Site is through downgradient groundwater transport. PCE migrates with the groundwater, through the overburden, from the Site in a generally eastern direction. It is understood, despite the lack of both spatial and temporal evidence at the Site, that PFAS will migrate in directions similar to PCE and its degradation products.

Section 4.2.3 documented the hydraulic conductivity of the sand and gravel deposits that are found on and off-Site. Because of the higher hydraulic conductivity of the sand and gravel unit, compared to the silt and clay and the till, the sand and gravel is expected to serve as the principal groundwater transport pathway both on-Site and off-Site.

Because of its higher hydraulic conductivity, the sand and gravel is expected to act as the primary transport pathway for groundwater flowing off the Site. Groundwater with dissolved PCE and PFAS will migrate downgradient, generally from the west to the east, at rates controlled by advective transport and the attenuation and retardation processes acting on each COC. The order of magnitude decline in downgradient PCE and PFAS concentrations from MW-19 suggests that attenuation and retardation processes at the site are significant.

The presence of PCE degradation products indicates that degradation is occurring on-Site and downgradient of the Site. In addition, volatilization will remove PCE from the shallow groundwater into soil vapor and likely occurs in the overburden sand and gravel on-Site and off-Site.

8.4.3 Vapor Intrusion

Sub-slab soil vapor mitigation systems were installed at the Site and at one off-site residence. PMIA sampling conducted in 2016 at the off-site residence indicated a reduction in indoor air concentrations following installation.

9. QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT SUMMARY

A qualitative human health exposure assessment (QHHEA) report was completed for the Whitesboro Dry Cleaners Site to evaluate potential human exposure to facility-related COCs under current and reasonably anticipated future use scenarios. The full QHHEA is provided in **Appendix S**.

Based on the RIR, the primary COCs at the Whitesboro Dry Cleaners Site are PCE, its associated breakdown products, chloroform, and PFAS. Dry cleaning operations at the Site contributed to the release of PCE, its degradation products, chloroform, and potentially PFAS to environmental media at the Site. Migration of COCs off-Site appears to have occurred based on the results of VI investigations at select off-Site properties.

Based on current facility zoning (commercial land use), it is reasonable to anticipate that the commercial building and parking lot on the Site will continue to be used for commercial purposes in the future. However, a portion of the site is currently being used as a residence and will likely continue to be used as such. The most likely future exposure scenario assumes that the buildings, building slabs, and pavement/groundcover will remain in place for the foreseeable future. Potential receptors and potentially complete exposure pathways under the current and reasonably foreseeable future scenario include:

- Current/future residents (child and adult) on-Site, which could be potentially exposed to COCs in surface soil through incidental ingestion, dermal contact, and inhalation of fugitive dust and vapor in ambient air and indirect exposure to groundwater-derived and/or soil-derived vapors via inhalation in the interior spaces of the on-Site residence
- Current/future commercial workers that work within the existing commercial building or, under a hypothetical future use scenario, another building in its place may be exposed indirectly to groundwater-derived and/or soil-derived vapors via inhalation in the interior spaces of the Site commercial building
- Future construction workers that could be involved with facility construction-related activities, could potentially be exposed to COCs in surface and subsurface soil through incidental ingestion, dermal contact, and inhalation of ambient vapors/fugitive dust, as well as dermal contact with affected groundwater
- Current/future utility workers that could be involved with future utility-related activities, could potentially be exposed to COCs in surface and subsurface soil through incidental ingestion, dermal contact, and inhalation of ambient vapors/fugitive dust, as well as dermal contact with affected groundwater
- Current/future residents (child and adult) that live off-Site, could potentially be exposed to Site-related COCs in indoor air in their respective residences

Mitigation systems are presently operating at on-Site buildings and at one off-Site residence (340W). Under current conditions, these systems address the exposure pathway for groundwater-derived and/or soil-derived vapors via inhalation in the interior spaces.

10. SUMMARY AND CONCLUSIONS

This RI of the former Whitesboro Dry Cleaners site on Oriskany Boulevard in the Village of Whitesboro, Town of Whitestown, Oneida County, New York (Site # 633054) was conducted by Ramboll Americas Engineering Solutions, Inc. (Ramboll), formerly known as O'Brien & Gere Engineers, Inc. (OBG) under contract by Parsons Engineering of NY. The RI, conducted from March 2013 through February 2023 for the NYSDEC under Engineering Services Standby Contract WA #D007623-06 and D009810-09

The Site is zoned general commercial and encompasses 0.21 acres. The property is located in an area surrounded by properties of commercial and residential use. Nearby property uses are as follows:

- Adirondack Bank and Clinton Street to the north;
- Mixed commercial and residential to the south;
- Owens Place and residential buildings to the east; and
- Oriskany Boulevard and commercial buildings to the west.

The commercial building reportedly operated as a dry cleaning operation from 1966 or earlier until at least 1994 (Mokry, 2010).

RI activities were implemented in several phases at the Site and the off-Site properties. Investigation activities included the evaluation of soil, groundwater, and potential for VI. SSDSs installation followed VI sampling at select locations.

Field activities consisted of:

- Overburden soil characterization that was conducted through the collection of field screening readings (**Section 3.4.1**), subsurface soil (**Section 3.4.1** and **3.4.2),** and exposed surface soils (**Section 3.4.3**).
- Groundwater characterization was conducted through the installation of monitoring wells (**Section 3.5.1**) well development (**Section 3.5.2**), in-situ hydraulic conductivity testing (**Section 3.5.3**), groundwater elevation monitoring (**Section 3.5.4**), collecting and analyzing groundwater samples from the monitoring wells (**Section 3.5.5**).
- Off-Site VI characterization that was conducted at six of the neighboring properties to the east and southeast of the Site (**Section 3.6**). The VI investigation consisted of the sampling of sub-slab soil vapor, indoor ambient air, and outdoor ambient air.
- An SSDS was installed at the on-Site residence and a partial SSDS was installed at one off-Site residence (340W).

Review of the Site data suggests that the Site COCs, PCE and its degradation products (cis-1,2-DCE, TCE, and VC) are affecting on-Site and off-Site groundwater and soil vapor. Additionally, PFAS compounds are affecting on-Site groundwater. The apparent source area is located on the east side of the commercial building, where the end of a pipe was formerly observed exiting the building foundation.

Based upon the investigations completed the following conclusions have been developed:

- Site geology consists of a thin layer of fill, followed by silt and clay overlaying mixed sand and gravel, and silty till. The sand and gravel unit is the principal zone of groundwater transport. Groundwater is observed in the sand and gravel unit and silt and clay unit. Groundwater generally flows to the south and southeast consistent with topography and the presence of Saquoit Creek. Hydraulic conductivity values in the sand and gravel are 3.2×10^{-02} cm/sec (90 ft/day), on average. PCE is present in the Site groundwater with the highest concentrations in the vicinity of the potential source area where the end of a pipe was observed exiting the building foundation. The principal transport pathway is as a dissolved constituent in the groundwater within the sand and gravel. Overburden groundwater flow, and PCE transport, is to the southwest, south, and southeast. The order of magnitude decline in groundwater PCE concentrations between the potential source area and downgradient monitoring wells suggests that attenuation of PCE in groundwater is occurring. Attenuation processes include dispersion, sorption, volatilization, and degradation. The presence of PCE degradation products in groundwater suggests that degradation of PCE is occurring. Microbial analytical results suggest more oxidizing conditions at the Site which are favorable for aerobic co-metabolic oxidation processes as opposed to reductive dichlorination processes. Attenuation processes for PFAS include diffusion, dispersion, and sorption, which may result in a decrease in PFAS concentrations in groundwater over time.
- A potential source area was identified on-Site where PCE in soil was observed at a concentration of 1,070 mg/kg. The presence and magnitude of concentrations of PCE in groundwater in this area (MW- 19S and MW-20) further suggests that a residual source of PCE exists. DNAPL was not observed during soil boring completion and DNAPL has not been documented in monitoring wells or during other subsurface activities (i.e. MIP, soil sampling).
- Several metals were detected in soil above SCOs. Lead was identified above SCOs at one subsurface soil sample in the eastern on-Site commercial building parking lot (906 mg/kg) at 2 to 3.2 ft bgs and in four soil sample locations (91.7 mg/kg to 1,600 mg/kg) surrounding the on-Site residence at depths of up to 1 ft bgs. The source for these lead detections are unclear at this time and are not typically associated with dry cleaning operations.
- Based on available data, the vertical and horizontal limits of SCO exceedances of CVOCs in soil are defined with the following exception. The subsurface soil exceedances of Unrestricted SCOs in soil are not yet defined at the western property boundary. Vertical limits of subsurface CVOCs exceeding Unrestricted SCOs are not defined at several locations however, MIP readings tend to decrease with depth indicating that concentrations decrease commensurately.
- Vertical subsurface soil limits of Residential SCO exceedances for lead are not defined at one location behind the on-Site residence. Vertical limits of subsurface silver exceeding the Unrestricted SCO is also undefined at two locations where silver only slightly exceeded the Unrestricted SCO. The horizontal limits of subsurface zinc exceeding Unrestricted SCOs are undefined. The vertical and horizontal limits for iron exceeding CP-51 Residential SCO (NYSDEC, 2010a) are undefined.
- The horizontal limits of CVOCs in groundwater is defined to the north, west, and east. The horizontal limits have not been defined to the south based on the exceedance of Class GA SGVs south of Site and at the southwest and southeast property boundary.
- PFOS and PFOA groundwater detections above the Class GA SGVs were reported on-Site, however understanding of the horizontal and vertical extent of these compounds is limited to the one upgradient, one on-Site, and one downgradient well sampled by NYSDEC in 2019.

- Prior to the RI, the Site VI investigation indicated PCE in sub-slab soil vapor that was entering the on-Site buildings at concentrations, which based on the NYSDOH Decision Matrices, recommended mitigation. A SSDS was installed by the owner and is currently in operation in the on-Site commercial building. A SSDS was installed and is currently in operation in the on-Site residential building.
- PCE in sub-slab soil vapor was detected to the south and east of the Site at off-Site residence 340W. A partial SSDS was installed and is currently in operation.

The nature and extent of Site COCs and their transport mechanisms are defined sufficiently to discuss preliminary Remedial Action Objectives (RAOs) for the Site (**Section 11**).

11. PRELIMINARY REMEDIAL ACTION OBJECTIVES

This section documents the development of preliminary RAOs identified as part of this RI. Consistent with NYSDEC DER-10 (NYSDEC, 2010b) for the development of remedial alternatives and USEPA's Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (USEPA, 1988), this section describes potential Standards, Criteria, and Guidance (SCGs) and identification of preliminary RAOs.

11.1 Identification of Potential SCGs

There are three types of SCGs: chemical-, location-, and action-specific SCGs. Chemical-specific SCGs are health- or risk-based numerical values or methodologies which, when applied to Site-specific conditions, result in the establishment of numerical values. These values establish the acceptable amount or concentration of a chemical that may be found in, or discharged to, the ambient environment. Location-specific SCGs set restrictions on activities based on the characteristics of the facility or immediate environs. Action-specific SCGs set controls or restrictions on particular types of remedial actions once the remedial actions have been identified as part of a remedial alternative. For the purpose of the development of the preliminary RAOs, potentially applicable chemical- specific SCGs have been identified and will be further evaluated in the FS. Location and action-specific SCGs will be identified in the FS.

Potential chemical-specific SCGs include:

- NYSDEC promulgated SCOs in 6 NYCRR Part 375-6 (NYSDEC, 2006) and Supplemental Soil Cleanup Objectives (SSCOs) in CP-51 (NYSDEC, 2010a). The following SCOs and SSCOs are potentially applicable for the Site and will be evaluated in the FS:
  - Restricted Use SCOs and SSCOs for the protection of human health, Commercial use (6 NYCRR Part 375-6.8[b] and CP-51). Consistent with Part 375 and CP-51, Restricted SCOs and SSCOs were compared to results from the overburden soil adjacent to the commercial building.
  - Restricted Use SCOs and SSCOs for the protection of human health, Residential use (6 NYCRR Part 375-6.8[b] and CP-51). Consistent with Part 375 and CP-51, Restricted SCOs and SSCOs were compared to results from the overburden soil adjacent to the on-Site residence.
  - Unrestricted Use SCOs (6 NYCRR Part 375-6.8[a]). Consistent with Part 375, Unrestricted SCOs were compared to results from the overburden soil.
  - Restricted Use SCOs and SSCOs for the protection of groundwater (6 NYCRR Part 375-6.8[b] and CP-51 Table 1).
- NYSDEC promulgated groundwater standards in 6 NYCRR Part 703 and guidance values in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 (NYSDEC, 1998).
- NYSDOH's guidance for indoor air impacted by soil vapors (NYSDOH 2006), which presents actions based on concentrations of sub-slab vapor and indoor air concentrations.

As presented in **Section 5**, analytical results indicated exceedances of SCGs in overburden soil, overburden groundwater, indoor air and sub-slab soil vapor.

11.2 Preliminary RAOs

Preliminary RAOs are medium-specific goals for protecting human health and the environment. RAOs form the basis for the overall goals for Site remediation. The RAOs are considered during the identification of appropriate remedial technologies and development of alternatives for the Site, and later during the evaluation of remedial alternatives. As documented in DER-10 (NYSDEC, 2010b), NYSDEC has developed generic RAOs to be applied as default objectives where they are applicable to the specific site conditions. DER-10 (NYSDEC, 2010b) also indicates that Site-specific RAOs may be developed where the generic RAOs (NYSDEC, 2013) do not address unique site conditions.

The preliminary RAOs will be re-evaluated as part of the FS. Consistent with DER-10 (NYSDEC, 2010b), this evaluation will consider:

- applicable SCGs, considering the current, intended and reasonably anticipated future use of the site and its surroundings
- all contaminants exceeding applicable SCGs
- environmental media impacted by such contaminants
- extent of the impact to the environmental media
- all actual or potential human exposures and/or environmental impacts resulting from the contaminants in environmental media
- any site-specific cleanup levels developed

NYSDEC's generic RAOs (NYSDEC, 2013) address the following media: soil, groundwater, and soil vapor/indoor air. Sediment and surface water are not present on the Site; therefore, preliminary RAOs for these media are not identified. Documentation of the rationale employed in the development of the preliminary RAOs for the Site is presented below in Sections **11.2.1** to **11.2.3**.

11.2.1 Preliminary RAOs for Soil

As presented in **Section 5** of the RI, COC concentrations in overburden soil at the Site exceed soil SCGs. As documented in **Section 9**, potentially complete human health exposure pathways were identified for ingestion and dermal contact with soil and inhalation of dust at the Site. Due to the developed nature of the Site and adjacent properties and the lack of ecological receptors, ecological pathways are not considered complete. Accordingly, preliminary RAOs identified for Site soils are as follows:

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

The preliminary RAOs for soil will be further evaluated in the FS.

11.2.2 Preliminary RAOs for Groundwater

As presented in **Section 5**, groundwater COC concentrations in groundwater exceed SCGs for Site-related COCs. As discussed in **Section 9**, potentially complete human health exposure pathways were identified for ingestion and dermal contact with groundwater and inhalation of vapors from groundwater at the Site. Accordingly, preliminary RAOs identified for Site groundwater are as follows:

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

RAOs for Environmental Protection

- Restore groundwater aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Remove the source of ground or surface water contamination.

The preliminary RAOs for groundwater will be further evaluated in the FS.

11.2.3 Preliminary RAOs for Indoor Air/Sub-Slab Vapor

As presented in **Section 5**, indoor air and sub-slab vapor COC concentrations exceed SCGs. Accordingly, preliminary RAOs identified for indoor air/Site soil vapor are as follows:

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at or near a site.

The preliminary RAOs for indoor air/soil vapor will be further evaluated in the FS.

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TABLES

Table 3-1
RI Soil Sample Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Soil Sample Location	Laboratory ID	Northing	Easting	Ground Surface (ft amsl)	Sample Depth Interval (ft bgs)	Analyses							
						TCL VOCs plus TICs by USEPA Method 8260	TCL SVOCs plus TICs by USEPA Method 8270	TCL PCBs by USEPA Method 8082	TAL metals by USEPA Method 6010C	Mercury by USEPA Method 7471B	Cyanide by USEPA Method 9014	TCL organochlorine pesticides by USEPA Method 8081B	TCL chlorinated herbicides by USEPA Method 8150
Surface Soils													
SS-1	SS-1-040513	1139462.948150	1164700.924000	426.84	0.0-0.17	X	X	X	X	X	X	X	X
SS-1	SS-1-6-12-040513	1139462.948150	1164700.924000	426.84	0.5-1.0	X	X	X	X	X	X	X	X
SS-1	SS-1-12-24-040513	1139462.948150	1164700.924000	426.84	1.0-2.0	X	X	X	X	X	X	X	X
SS-2	SS-2-040513	1139479.557040	1164745.433420	426.68	0.0-0.17	X	X	X	X	X	X	X	X
SS-2	SS-2-0.5-1-040513	1139479.557040	1164745.433420	426.68	0.5-1.0	X	X	X	X	X	X	X	X
SS-2	SS-2-1-2-040513	1139479.557040	1164745.433420	426.68	1.0-2.0	X	X	X	X	X	X	X	X
SS-3	SS-3-040513	1139454.030840	1164744.003960	426.96	0.0-0.17	X	X	X	X	X	X	X	X
SS-3	SS-3-0.5-1-040513	1139454.030840	1164744.003960	426.96	0.5-1.0	X	X	X	X	X	X	X	X
SS-3	SS-3-1-2-040513	1139454.030840	1164744.003960	426.96	1.0-2.0	X	X	X	X	X	X	X	X
SS-4	SS-4-042213	1139613.134530	1164765.333320	NA	0.0-0.17	X	X						
SS-5	SS-5-0-0.17-091114	1139450.726360	1164697.398800	426.91	0.0-0.17				X***				
SS-5	SS-5-0.5-1-091114	1139450.726360	1164697.398800	426.91	0.5-1.0				X***				
Subsurface Soils													
MW-19*	MW19(2.5-4.5)041713	1139489.455970	1164691.400070	428.62	2.5-4.5	X							
MW-19*	MW19(10-11)041713	1139489.455970	1164691.400070	428.62	10.0-11.0	X							
MW-20*	MW20(12.5-13.5)041813	1139506.235130	1164722.354070	427.72	12.5-13.5	X							
MW-20*	MW20(13.5-14.5)041813	1139506.235130	1164722.354070	427.72	13.5-14.5	X							
MW-24	MW-24-10.8-11.8-112113	1139455.153540	1164563.628010	430.46	10.8-11.8	X	X						
MW-25	MW-25-8-9-112213	1139614.438000	1164916.694560	426.01	8.0-9.0	X	X						
MW-26*	MW-26-6-7-091114	1139453.071760	1164786.622680	426.83	6.0-7.0	X							
MW-26*	MW-26-22-23-091114	1139453.071760	1164786.622680	426.83	22.0-23.0	X							
SB-15*	SB-15-4-5-040513	1139487.838850	1164687.372840	428.74	4.0-5.0	X							
SB-15*	SB-15-6-8-040513	1139487.838850	1164687.372840	428.74	6.0-8.0	X							
SB-15*	SB-15-9-10-040513	1139487.838850	1164687.372840	428.74	9.0-10.0	X							
SB-16*	SB-16-4-5-040513	1139462.948150	1164700.924000	426.84	4.0-5.0	X							
SB-16*	SB-16-10-12-040513	1139462.948150	1164700.924000	426.84	10.0-12.0	X							
SB-9*	SB-9-2-3.2-040513	1139493.182010	1164703.711060	428.30	2.0-3.2	X	X	X	X	X	X	X	X
SB-9*	SB-9-6-8-040513	1139493.182010	1164703.711060	428.30	6.0-8.0	X							
SB-9*	SB-9-11-12-040513	1139493.182010	1164703.711060	428.30	11.0-12.0	X							
SB-9*	SB9-13.5-14.5-040513**	1139493.182010	1164703.711060	428.30	13.5-14.5	X							
SB-23R*	SB-23R-6-7-091214	1139425.587210	1164659.181490	429.99	6.0-7.0	X							
SB-23R*	SB-23R-11-12-091214	1139425.587210	1164659.181490	429.99	11.0-12.0	X							
SB-28R*	SB-28R-3-4-091214	1139492.662830	1164694.891780	428.54	3.0-4.0	X							
SB-28R*	SB-28R-10-11-091214	1139492.662830	1164694.891780	428.54	10.0-11.0	X							
SB-29R*	SB-29R-1.5-2.5-091214	1139517.216850	1164687.596300	428.65	1.5-2.5	X							
SB-29R*	SB-29R-3.5-4-091214	1139517.216850	1164687.596300	428.65	3.5-4.0	X							
SB-29R*	SB-29R-9-10-091214	1139517.216850	1164687.596300	428.65	9.0-10.0	X							
SB-31	SB-31-7-8-091214	1139385.408210	1164698.132330	428.23	7.0-8.0	X							
SB-31	SB-31-21-21.5-091214	1139385.408210	1164698.132330	428.23	21.0-21.5	X							
SB-32	SB-32-15.5-16-091214	1139407.359530	1164691.989530	428.33	15.5-16.0	X							
SB-33	SB-33-7-8-091214	1139419.257120	1164689.703570	428.39	7.0-8.0	X							
SB-34	SB-34_1-2_072121	1139442.758500	1164674.141600	430.23	1.0-2.0	X							
SB-34	SB-34_9-10_072121	1139442.758500	1164674.141600	430.23	9.0-10.0	X							

Notes:
NA: Not Available
Horizontal Datum = NAD83 New York East State Plane (feet)
Vertical Datum = NAVD88 (feet)
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile Organic Compounds
TAL - Target Analyte List
VOCs - Volatile Organic Compounds
TICS - Tentatively Identifiable Compounds
* - MIP Confirmation Sample
** - Sample ID changed by lab to SB913.514.5040513
*** - Analyzed for lead only

Table 3-2
RI Laboratory Analytical Matrix
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Applicable Field Event(s)	Applicable Sampling Event(s)	Applicable Sample Locations(s)	Matrix	Laboratory	Analyte	Analytical Method
Soil Sampling	Surface Soils	SS-1 - SS-3	Soil	Chemtech	TCL Volatiles + TICs TCL Semivolatiles + TICs TCL Organochlorine Pesticides TCL Chlorinated Herbicides TCL PCBs TAL Metals Mercury Cyanide	USEPA Method 8260C USEPA Method 8270D USEPA Method 8081B USEPA Method 8151 USEPA Method 8082 USEPA Method 6010B USEPA Method 7471A USEPA Method 9012
		SS-4			TCL Volatiles + TICs TCL Semivolatiles + TICs	USEPA Method 8260C USEPA Method 8270D
		SS-5			TAL Metals - Lead only	USEPA Method 6010C
	MIP Confirmation Samples	MW-19, MW-20, MW-26, SB-15, SB-16			TCL Volatiles + TICs	USEPA Method 8260C
		SB-9			TCL Volatiles + TICs TCL Semivolatiles + TICs TCL Organochlorine Pesticides TCL Chlorinated Herbicides TCL PCBs TAL Metals Mercury Cyanide	USEPA Method 8260C USEPA Method 8270D USEPA Method 8081B USEPA Method 8151 USEPA Method 8082 USEPA Method 6010B USEPA Method 7471A USEPA Method 9012
	Subsurface Soils	MW-24, MW-25			TCL Volatiles + TICs TCL Semivolatiles + TICs	USEPA Method 8260C USEPA Method 8270D
		SB-23R, SB-28R, SB-29R, SB-31, SB-32, SB-33			TCL Volatiles + TICs	USEPA Method 8260C
		SB-34		Eurofins Test America	TCL Volatiles + TICs	USEPA Method 8260C
Groundwater Sampling	May 2013	B-9NWMW-1, B-19NWMW-3, MW-9,14,15,16D,16S,17,18D,18S,19,21,22	Groundwater	Chemtech	TCL Volatiles + TICs	USEPA Method 8260C
		MW-20, MW-23			TCL Volatiles + TICs TCL Semivolatiles + TICs TCL Organochlorine Pesticides TCL Chlorinated Herbicides TCL PCBs TAL Metals Mercury Cyanide	USEPA Method 8260C USEPA Method 8270D USEPA Method 8081B USEPA Method 8151 USEPA Method 8082 USEPA Method 6010B USEPA Method 7471A USEPA Method 9012
	September 2013	B-9NWMW-1, B-19NWMW-3, MW-9,14,15,16D,17,18D,18S,19,20,22, 23			TCL Volatiles + TICs	USEPA Method 8260C
		MW-16S, MW-21			TCL Volatiles + TICs TCL Semivolatiles + TICs TCL Organochlorine Pesticides TCL Chlorinated Herbicides TCL PCBs TAL Metals Mercury Cyanide	USEPA Method 8260C USEPA Method 8270D USEPA Method 8081B USEPA Method 8151 USEPA Method 8082 USEPA Method 6010B USEPA Method 7471A USEPA Method 9012
	December 2013	MW-24, MW-25			TCL Volatiles + TICs	USEPA Method 8260C
	September 2014	MW-26			TCL Volatiles + TICs	USEPA Method 8260C
	March 2021	B-9NWMW-1, B-19NWMW-3, MW-7, 9, 15, 16D, 16S, 17, 18D, 18S, 22, 23, 24, 25, 26		Eurofins Test America	TCL Volatiles + TICs	USEPA Method 8260C
	November 2022	MW-19, MW-20		Pace Analytical, SiREM	TCL Volatiles + TICs MEE Metals (Fe, Mn, K, and Na only) Alkalinity Anions (chloride, nitrate, sulfate) Sulfide TOC Gene-Trac® microbial analysis	USEPA Method 8260D USEPA Method RSK-175 USEPA Method 6010D USEPA Method 2320B USEPA Method 300 SM 4500 SM 5310B SOP-116 (DNA Extraction)
Soil Vapor and Vapor Intrusion Sampling	March and September 2013	Off-Site	Air	Chemtech	Volatiles	TO-15
	February 2022 and February 2023			Pace Analytical		

Notes:
PCBs - Polychlorinated Biphenyls
TCL - Target Compound List
TICs - Tentatively Identified Compounds
USEPA - United States Environmental Protection Agency

Table 3-3
MIP Confirmation Sample Rationale
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Sample Location ID	Depth Interval (ft bgs)	General XSD Reading
SB-9-2-3.2-040513	2 - 3.2	Low
SB-9-6-8-040513	6 - 8	Low
SB-9-11-12-040513	11 - 12	Low
SB-9-13.5-14.5-040513	13.5 - 14.5	Low
MW20(12.5-13.5)041813	12.5 - 13.5	Low
MW20(13.5-14.5)041813	13.5 - 14.5	Low
SB-15-4-5-040513	4 - 5	High
SB-15-6-8-040513	6 - 8	Moderate
SB-15-9-10-040513	9 - 10	Moderate
SB-16-4-5-040513	4 - 5	Low
SB-16-10-12-040513	10 - 12	Low
MW19(2.5-4.5)041713	1.5 - 4.5	High
MW19(10-11)041713	10 - 11	Moderate
SB-23R-6-7-091214	6 - 7	Low
SB-23R-11-12-091214	11 - 12	Low
MW-26-6-7-091114	6 - 7	Low
MW-26-22-23-091114	22 - 23	Low
SB-28R-3-4-091214	3 - 4	High
SB-28R-10-11-091214	10 - 11	Moderate
SB-29R-1.5-2.5-091214	1.5 - 2.5	Moderate
SB-29R-9-10-091214	9 - 10	Low
SB-34_1-2_072121	1-2	Low
SB-34_9-10_072121	9 - 10	Low

Notes:

ft bgs = Feet below ground surface

XSD = Halogen specific detector

Table 3-4
Monitoring Wells Sampled and Gauged Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Well ID	Groundwater Sampling						Groundwater Level Gauging				
	May 2013	September 2013	December 2013	September 2014	March 2021	November 2022	May 8, 2013	September 16, 2013	December 18, 2013	September 30, 2014	March 1, 2021
B-8NWMW-4							X	X	X	X	
B-9NWMW-1	X	X			X		X	X	X	X	X
B-19NWMW-3	X	X			X		X	X	X	X	X
MW-2[(1)]							X	X	X	X	
MW-7					X		X	X	X	X	X
MW-8[(1)]							X	X	X	X	
MW-9	X	X			X		X	X	X	X	X
MW-11[(1)]							X	X	X	X	
MW-14[(1)]	X	X					X	X	X	X	
MW-15	X	X			X		X	X	X	X	X
MW-16D	X	X			X		X	X	X	X	X
MW-16S	X	X			X		X	X	X	X	X
MW-17	X	X			X		X	X	X	X	X
MW-18D	X	X			X		X	X	X	X	X
MW-18S	X	X			X		X	X	X	X	X
MW-19	X	X			X	X	X	X	X	X	X
MW-20	X	X			X	X	X	X	X	X	X
MW-21	X	X			X		X	X	X	X	X
MW-22	X	X			X		X	X	X	X	X
MW-23	X	X			X		X	X	X	X	X
MW-24			X		X				X	X	X
MW-25			X		X				X	X	X
MW-26				X	X					X	X

Notes:

(1) Monitoring well was decommissioned in November 2020 as part of the Former Farrell's Chevron Spill #8602108 closure

Table 3-5
Monitoring Well Construction Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Well ID	Location		Top of Casing Elevation	Measurement Point (Top of PVC)	Total Depth	Bottom Elevation	Ground Elevation	Screen Type	Top of Screen	Bottom of Screen	Elevation Top Screen	Elevation Bottom Screen	Material Screened	Well Status	Installation Date	RI Phase	Abandonment Date	Consultant That Installed Well
	Northing	Easting	(ft amsl)	(ft amsl)	(ft bgs)	(ft amsl)	(ft amsl)		(ft bgs)	(ft bgs)	(ft amsl)	(ft amsl)						
Monitoring Well																		
AS-1[1][2][4]	1139673.618	1164662.177	428.79	428.49	14.83	414.3	428.79	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI	November-20	NA
B-14NWMW-2[2]	1139641.640	1164690.110	429.07	429.15	NA	NA	429.07	NA	NA	NA	NA	NA	NA	Destroyed	NA	Pre-RI		NA
B-18NWMW-5[2]	1139540.545	1164724.903	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Not Found	NA	Pre-RI		NA
B-19NWMW-3[2]	1139533.970	1164691.209	429.37	429.31	12.08	417.3	429.37	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI		NA
B-8NWMW-4[1][2]	1139597.959	1164636.889	431.02	431.03	10.09	420.9	431.02	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI		NA
B-9NWMW-1[2]	1139679.425	1164678.008	428.30	428.32	11.41	416.9	428.30	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI		NA
MW-1[2]	1139548.129	1164705.354	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Destroyed	NA	Pre-RI	NA	NA
MW-2[1][2][4]	1139543.574	1164621.696	430.53	430.39	17.71	413.0	430.53	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI	November-20	NA
MW-3[2]	1139649.244	1164583.847	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Destroyed	NA	Pre-RI	NA	NA
MW-4[2]	1139691.376	1164659.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Destroyed	NA	Pre-RI	NA	NA
MW-7[1][2]	1139586.617	1164606.973	430.81	430.50	14.87	416.3	430.81	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI		NA
MW-8[1][2][4]	1139552.944	1164676.662	430.15	429.64	12.87	417.8	430.15	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI	November-20	NA
MW-9[2]	1139637.509	1164653.945	430.11	429.84	14.98	415.4	430.11	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI		NA
MW-10[2]	1139623.460	1164691.367	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Destroyed	NA	Pre-RI	NA	NA
MW-11[1][2][4]	1139743.332	1164700.912	428.03	427.68	14.10	414.3	428.03	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI	November-20	NA
MW-12[2][4]	1139692.269	1164719.051	427.12	427.13	NA	NA	427.12	NA	NA	NA	NA	NA	NA	Destroyed	NA	Pre-RI	November-20	NA
MW-13[2]	1139628.490	1164737.628	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Destroyed	NA	Pre-RI	NA	NA
MW-14[2][4]	1139543.520	1164719.892	427.71	427.56	14.39	413.5	427.71	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI	November-20	NA
MW-15[2]	1139596.852	1164704.673	430.19	429.58	15.45	415.3	430.19	NA	NA	NA	NA	NA	NA	Existing	NA	Pre-RI		NA
MW-16D	1139412.988	1164739.647	426.78	426.40	28.03	399.1	426.78	0.010" PVC	23.0	28.0	403.8	398.8	Silt, Fine Sand, and Gravel	Existing	4/22/2013	RI		O'Brien & Gere Engineers, Inc.
MW-16S	1139416.868	1164735.042	426.80	426.14	14.74	412.7	426.80	0.010" PVC	4.7	14.7	422.1	412.1	Sand and Gravel	Existing	4/16/2013	RI		O'Brien & Gere Engineers, Inc.
MW-17	1139747.278	1164705.332	428.04	427.62	15.07	413.4	428.04	0.010" PVC	5.1	15.1	423.0	413.0	Sand and Gravel	Existing	4/17/2013	RI		O'Brien & Gere Engineers, Inc.
MW-18D	1139368.318	1164699.589	428.28	428.04	24.24	404.3	428.28	0.010" PVC	19.2	24.2	409.0	404.0	Sand and Gravel	Existing	4/22/2013	RI		O'Brien & Gere Engineers, Inc.
MW-18S	1139366.957	1164695.396	428.47	428.06	15.63	413.2	428.47	0.010" PVC	5.6	15.6	422.8	412.8	Fine Sand and Silt (Some Sand and Gravel)	Existing	4/18/2013	RI		O'Brien & Gere Engineers, Inc.
MW-19	1139488.935	1164691.584	428.62	428.23	14.23	414.8	428.62	0.010" PVC	4.2	14.2	424.4	414.4	Silt, Sand and Gravel, Till	Existing	4/18/2013	RI		O'Brien & Gere Engineers, Inc.
MW-20	1139505.847	1164722.566	427.72	427.42	14.87	413.1	427.72	0.010" PVC	4.9	14.9	422.9	412.9	Silt and Fine Sand	Existing	4/18/2013	RI		O'Brien & Gere Engineers, Inc.
MW-21	1139445.511	1164652.578	430.02	429.65	13.97	416.4	430.02	0.010" PVC	4.0	14.0	426.0	416.0	Sand and Gravel	Existing	4/18/2013	RI		O'Brien & Gere Engineers, Inc.
MW-22	1139641.597	1164722.350	427.34	426.94	14.40	413.3	427.34	0.010" PVC	4.4	14.4	422.9	412.9	Sand and Gravel, Fine Sand and Silt	Existing	4/19/2013	RI		O'Brien & Gere Engineers, Inc.
MW-23	1139544.787	1164756.763	427.22	426.91	15.29	412.2	427.22	0.010" PVC	5.3	15.3	421.9	411.9	Silty Clay, Sand and Gravel	Existing	4/19/2013	RI		O'Brien & Gere Engineers, Inc.
MW-24	1139455.154	1164563.628	430.46	430.0	13.2	417.6	430.46	0.010" PVC	3.2	13.2	427.2	417.2	Sand and Gravel	Existing	11/21/2013	RI		O'Brien & Gere Engineers, Inc.
MW-25	1139614.438	1164916.695	426.00	425.65[3]	16.2	410.3	426.00	0.010" PVC	6.2	16.2	419.8	409.8	Sand, Silt, and Clay	Existing	11/22/2013	RI		O'Brien & Gere Engineers, Inc.
MW-26	1139453.072	1164786.623	426.83	426.5	14.1	413.1	426.83	0.010" PVC	4.1	14.1	422.8	412.8	Silt and Sand	Existing	9/11/2014	RI		O'Brien & Gere Engineers, Inc.

Notes:

(1) Total depth estimated. Well was not developed.

(2) Boring logs and well construction unavailable.

(3) Well damaged and subsequently repaired on March 25, 2020. The well was resurveyed on November 11, 2021. Survey elevation of top of PVC was 425.5 ft amsl.

(4) Monitoring well was decommissioned in November 2020 as part of the Former Farrell's Chevron Spill #8602108 closure.

Horizontal Datum: NAD83 New York Cetral State Plane Feet, Vertical Datum: NAVD88 (feet).

ft amsl: feet above mean sea level.

ft bgs: feet below ground surface.

NA: Not available

PVC: Polyvinyl Chloride

RI: Remedial Investigation

Table 3-6
Groundwater Elevation Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Well Number	Northing	Easting	Top of Casing Elevation (ft amsl)	May 8, 2013		September 16, 2013		December 18, 2013		September 30, 2014		March 1, 2021	
				Depth to Water (ft bgs)	Groundwater Elevation (ft amsl)	Depth to Water (ft bgs)	Groundwater Elevation (ft amsl)	Depth to Water (ft bgs)	Groundwater Elevation (ft amsl)	Depth to Water (ft bgs)	Groundwater Elevation (ft amsl)	Depth to Water (ft bgs)	Groundwater Elevation (ft amsl)
On-Site Wells													
MW-19	1139488.935	1164691.584	428.23	7.83	420.40	7.74	420.49	7.80	420.43	7.95	420.28	7.54	420.69
MW-20	1139505.847	1164722.566	427.42	7.00	420.42	6.93	420.49	6.98	420.44	7.19	420.23	6.91	420.51
MW-21	1139445.511	1164652.578	429.65	9.57	420.08	9.47	420.18	9.68	419.97	9.68	419.97	9.33	420.32
Off-Site Wells													
B-19NWMW-3	1139533.970	1164691.209	429.31	8.64	420.67	8.51	420.80	8.80	420.51	8.84	420.47	8.05	421.26
B-8NWMW-4	1139597.959	1164636.889	431.03	Dry									
B-9NWMW-1	1139679.425	1164678.008	428.32	8.03	420.29	8.10	420.22	8.09	420.23	8.53	419.79	7.20	421.12
MW-2[(2)]	1139543.574	1164621.696	430.39	9.88	420.51	9.62	420.77	ICE	NA	9.86	420.53		
MW-7	1139586.617	1164606.973	430.50	9.73	420.77	9.69	420.81	ICE		9.89	420.61	9.47	421.03
MW-8[(2)]	1139552.944	1164676.662	429.64	Contained NAPL Only				8.97	420.67	9.11	420.53		
MW-9	1139637.509	1164653.945	429.84	9.28	420.56	9.21	420.63	9.30	420.54	9.22	420.62	8.80	421.04
MW-11[(2)]	1139743.332	1164700.912	427.68	7.50	420.18	7.55	420.13	7.57	420.11	7.77	419.91		
MW-14[(2)]	1139543.520	1164719.892	427.56	7.06	420.50	7.05	420.51	ICE		7.24	420.32		
MW-15	1139596.852	1164704.673	429.58	9.10	420.48	9.01	420.57	9.09	420.49	9.27	420.31	7.72	421.86
MW-16D	1139412.988	1164739.647	426.40	6.25	420.15	6.06	420.34	6.14	420.26	6.37	420.03	6.00	420.40
MW-16S	1139416.868	1164735.042	426.14	6.01	420.13	5.81	420.33	6.01	420.13	6.13	420.01	6.35	419.79
MW-17	1139747.278	1164705.332	427.62	7.45	420.17	7.48	420.14	7.50	420.12	7.99	419.63	3.39	424.23
MW-18D	1139368.318	1164699.589	428.04	7.92	420.12	7.71	420.33	7.88	420.16	8.01	420.03	7.50	420.54
MW-18S	1139366.957	1164695.396	428.06	7.84	420.22	7.61	420.45	7.84	420.22	7.85	420.21	8.40	419.66
MW-22	1139641.597	1164722.350	426.94	6.68	420.26	6.61	420.33	ICE	NA	7.06	419.88	6.30	420.64
MW-23	1139544.787	1164756.763	426.91	6.61	420.30	6.55	420.36	6.60	420.31	6.45	420.46	6.08	420.83
MW-24	1139455.154	1164563.628	430.05	Not Installed				7.79	422.26	7.91	422.14	6.22	423.83
MW-25	1139614.438	1164916.695	425.65	Not Installed				5.41	420.12[(1)]	5.53	420.00[(1)]	5.07	420.58
MW-26	1139453.072	1164786.623	426.49	Not Installed						6.45	420.04	5.86	420.63

Notes:

(1) Well damaged and subsequently repaired on March 25, 2020. The well was resurveyed on November 11, 2021. Survey elevation of top of PVC was 425.53 ft amsl and was used for this groundwater elevation calculation. Location and elevation surveys conducted on March 28, 2013, and May 8, 2013.

(2) Monitoring Well was decommissioned in November 2020 as part of the Former Farrell's Chevron Spill #8602108 closure.

Horizontal Datum - NAD83 New York State Central State Plane (feet)

Vertical Datum - NAVD88 (Feet)

ft amsl - Feet above mean sea level

ft bgs - Feet below ground surface

NA - Not Appliacble

NI - Not installed.

ICE - Protective casing full of ice.

NAPL - Non-aqueous phase liquid

Table 4-1
Calculated Hydraulic Gradients and Conductivity Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Horizontal Hydraulic Gradient Calculations				
Well ID	Groundwater Elevation (feet)	Distance Between Wells (feet)	Calculated Gradient (ft/ft)	Date
B-19NWMW-3	420.67	42	0.006	May 8, 2013
MW-20	420.42			
B-19NWMW-3	420.67	96	0.006	May 8, 2013
MW-21	420.08			
B-19NWMW-3	420.67	30	0.006	May 8, 2013
MW-14(1)	420.5			
MW-14(1)	420.5	37	0.005	May 8, 2013
MW-23	420.3			
B-19NWMW-3	420.8	42	0.007	September 16, 2013
MW-20	420.49			
MW-14	420.51	37	0.004	September 16, 2013
MW-23	420.36			
		Average:	0.006	

Vertical Hydraulic Gradient Calculations					
Well ID	Groundwater Elevation (feet)	Distance Between Well Screen Mid-Points (feet)	Calculated Gradient (ft/ft)	Date	Direction
MW-16S	420.13	15.5	-0.001	May 8, 2013	Upward
MW-16D	420.15				
MW-16S	420.33		-0.001	September 16, 2013	Upward
MW-16D	420.34				
MW-16S	420.13		-0.008	December 18, 2013	Upward
MW-16D	420.26				
MW-16S	420.01		-0.001	September 30, 2014	Upward
MW-16D	420.03				
MW-18S	420.22	11.1	0.009	May 8, 2013	Downward
MW-18D	420.12				
MW-18S	420.45		0.011	September 16, 2013	Downward
MW-18D	420.33				
MW-18S	420.22		0.005	December 18, 2013	Downward
MW-18D	420.16				
MW-18S	420.21		0.016	September 30, 2014	Downward
MW-18D	420.03				
		Average MW-16 Pair:	-0.003		
		Average MW-18 Pair:	0.010		

Hydraulic Conductivity Calculations				
Observation Well	Hydraulic Testing Type	Saturated Thickness (ft)	Hydraulic Conductivity (ft/day)	Hydraulic Conductivity (cm/sec)
Hydraulic Testing - Slug Tests				
Silt and Clay				
MW-18S	Rising	7.5	29.94	0.011
Sand and Gravel				
MW-18D*	Rising and Falling	10.0	105.24	0.004
MW-19	Rising	6.4	80.88	0.029
MW-20	Rising	7.8	43.87	0.015
MW-21	Rising	4.5	78.86	0.028
MW-23	Rising	8.7	208.96	0.074
		GeoMean (S&G)	90.74	0.032

- Value is likely restricted by the sand pack
- MW-18S screened in the silt and clay with 0.5 ft sand and gravel seam within silt and clay

All other wells screened, at least partially, in the sand and gravel
Analysis method- Bouwer and Rice (unconfined method), 1976
S&G - Sand and gravel wells
* - Averaged results
(1) Monitoring well was decommissioned in November 2020 as part of the Former Farrell's Chevron Spill #8602108 closure

Table 5-1
Soil Sampling - VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Chemical Name	CAS No.	CP-51 Residential[1]	CP-51 Commercial[2]	CP-51 GW Protection[3]	Part 375 Unrestricted[4]	Part 375 Residential[5]	Part 375 Restricted Residential[6]	Part 375 Commercial[7]	Part 375 GW Protection[8]	Location Code:	MW-19	MW-19	MW-20	MW-20	MW-24	MW-25	MW-26	MW-26	SB-9
										Sample ID:	MW19(2.5-4.5)041713	MW19(10-11)041713	MW20(12.5-13.5)041813	MW20(13.5-14.5)041813	MW-24-10.8-11.8-112113	MW-25-8-9-112213	MW-26-6-7-091114	MW-26-22-23-091114	SB-9-2-3.2-040513
										Start Depth (ft bgs):	2.5	10	12.5	13.5	10.8	8	6	22	2
										End Depth (ft bgs):	4.5	11	13.5	14.5	11.8	9	7	23	3.2
										Sample Date:	4/17/2013	4/17/2013	4/18/2013	4/18/2013	11/21/2013	11/22/2013	9/11/2014	9/11/2014	4/5/2013
										Sample Type:	N	N	N	N	N	N	N	N	N
											Results Compared to Residential SCOs								
1,1,1-Trichloroethane	71-55-6	NC	NC	NC	0.68	100	100	500	0.68		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
1,1,2,2-Tetrachloroethane	79-34-5	35	NC	0.6	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.56 U	0.0065 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.41 U	0.43 U	0.006 U	0.0056 U	0.43 U
1,1-Dichloroethane	75-34-3	NC	NC	NC	0.27	19	26	240	0.27		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
1,1-Dichloroethene DCE	75-35-4	NC	NC	NC	0.33	100	100	500	0.33		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.41 U	0.43 U	0.006 U	0.56 U	0.43 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.4	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.56 U	0.0065 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	NC	NC	NC	1.1	100	100	500	1.1		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.56 U	0.0065 U
1,2-Dichloroethane	107-06-2	NC	NC	NC	0.02	2.3	3.1	30	0.02		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
1,3-Dichlorobenzene	541-73-1	NC	NC	NC	2.4	17	49	280	2.4		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.56 U	0.0065 U
1,4-Dichlorobenzene	106-46-7	NC	NC	NC	1.8	9.8	13	130	1.8		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.56 U	0.0065 U
1,4-Dioxane	123-91-1	NC	NC	NC	0.1	9.8	13	130	0.1		12.2 U	0.11 U	0.13 U	0.11 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U
2-Butanone	78-93-3	100	NC	0.3	0.12	100	100	500	0.12		3 U	0.0267 U	0.0321 U	0.0271 U	0.0261 J	0.0325 U	0.0301 U	0.0281 U	0.0325 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	NC	NC		3 U	0.0267 U	0.0321 U	0.0271 U	0.0307 U	0.0325 U	0.0301 U	0.0281 U	0.0325 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	1	NC	NC	NC	NC	NC		3 U	0.0267 U	0.0321 U	0.0271 U	0.0307 U	0.0325 U	0.0301 U	0.0281 U	0.0325 U
Acetone	67-64-1	NC	NC	NC	0.05	100	100	500	0.05		3 U	0.0267 U	0.0321 U	0.0271 U	**0.11**	0.0325 U	0.0301 U	0.0373	0.0325 U
Benzene	71-43-2	NC	NC	NC	0.06	2.9	4.8	44	0.06		**0.39 J**	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	NC	NC		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	NC	NC		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	NC	NC		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Carbon disulfide	75-15-0	100	NC	2.7	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0022 J	0.0065 U	0.006 U	0.0026 J	0.0065 U
Carbon Tetrachloride	56-23-5	NC	NC	NC	0.76	1.4	2.4	22	0.76		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Carbinated Flourocarbon (freon 113)	76-13-1	NC	NC	NC	NC	NC	NC	NC	NC		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Chlorobenzene	108-90-7	NC	NC	NC	1.1	100	100	500	1.1		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Chloroethane	75-00-3	NC	NC	1.9	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Chloroform	67-66-3	NC	NC	NC	0.37	10	49	350	0.37		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0177	0.0014 J	0.0065 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	10.2
Cis-1,2-Dichloroethene	156-59-2	NC	NC	NC	0.25	59	100	500	0.25		**246.2**	0.0053 U	0.0484	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.1	0.0449
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Cyclohexane	110-82-7	NC	NC	NC	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	NC	NC		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	NC	NC		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Ethylbenzene	100-41-4	NC	NC	NC	1	30	41	390	1		0.0864 J	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Isopropylbenzene	98-82-8	100	NC	2.3	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.56 U	0.0065 U
M,P-XYLENE	XYLMP	NC	NC	NC	NC	NC	NC	NC	NC		0.33 J	0.0107 U	0.0128 U	0.0108 U	0.0123 U	0.013 U	0.012 U	0.0113 U	2400
Methyl Acetate	79-20-9	NC	NC	NC	NC	NC	NC	NC	NC		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Methyl tert-Butyl ether	1634-04-4	NC	NC	NC	500	0.93	100	NC	62		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Methylcyclohexane	108-87-2	NC	NC	NC	NC	NC	NC	NC	NC		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Methylene Chloride	75-09-2	NC	NC	NC	0.05	51	100	500	0.05		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0119	0.0099	0.0172	0.0362	0.0065 J
O-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	100	NC	NC	0.0053 U	0.18 J	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	NC	NC		0.0053 U	0.61 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.0056 U	0.006 U	0.0056 U
Tetrachloroethene (PCE)	127-18-4	NC	NC	NC	1.3	5.5	19	150	1.3		**408**	0.0016 J	**14.6**	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.35	0.0617
Toluene	108-88-3	NC	NC	NC	0.7	100	100	500	0.7		0.12 J	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Trans-1,2-Dichloroethene	156-60-5	NC	NC	NC	0.19	100	100	500	0.19		**16.1**	0.0053 U	0.0048 J	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0051 J
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Trichloroethene (TCE)	79-01-6	NC	NC	NC	0.47	10	21	200	0.47		**336.3**	0.0053 U	**5.9**	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0227	0.0107
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	NC	NC		0.61 U	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0061 U
Vinyl Chloride	75-01-4	NC	NC	NC	0.02	0.21	0.9	13	0.02		**1.2**	0.0053 U	0.0064 U	0.0054 U	0.0061 U	0.0065 U	0.006 U	0.0056 U	0.0065 U
Xylenes (total)	1330-20-7	NC	NC	NC	0.26	100	100	500	1.6		NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TICs	NA	NC	NC	NC	NC	NC	NC	NC	NC		1.24	ND	ND	ND	0.0027	0.0067	0.0113	ND	0.0068

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[8] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC - No criteria exists, NA - Not Available or Not Analyzed

Sample Type Code: N-Normal, FD-Field Duplicate

ft bgs - feet below ground surface

U - Not detected at the detection limit shown,
J - Estimated value
NJ - NJ - Detection is tenative in identification and estimated in value

Table 5-1
Soil Sampling - VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Chemical Name	CAS No.	CP-51 Residential[1]	CP-51 Commercial[2]	CP-51 GW Protection[3]	Part 375 Unrestricted[4]	Part 375 Residential[5]	Part 375 Restricted Residential[6]	Part 375 Commercial[7]	Part 375 GW Protection[8]	Location Code:	SB-9	SB-9	SB-9	SB-15	SB-15	SB-15	SB-16	SB-16	SB-23R
										Sample ID:	SB-9-6-8-040513	SB-9-11-12-040513	SB913.514.5040513	SB-15-4-5-040513	SB-15-6-8-040513	SB-15-9-10-040513	SB-16-4-5-040513	SB-16-10-12-040513	SB-23R-6-7-091214
										Start Depth (ft bgs):	6	11	13.5	4	6	9	4	10	6
										End Depth (ft bgs):	8	12	14.5	5	8	10	5	12	7
										Sample Date:	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	9/12/2014
										Sample Type:	N	N	N	N	N	N	N	N	N
1,1,1-Trichloroethane	71-55-6	NC	NC	NC	0.68	100	100	500	0.68		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
1,1,2,2-Tetrachloroethane	79-34-5	35	NC	0.6	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.87 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
1,1-Dichloroethane	75-34-3	NC	NC	NC	0.27	19	26	240	0.27		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
1,1-Dichloroethene DCE	75-35-4	NC	NC	NC	0.33	100	100	500	0.33		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.87 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.4	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.87 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	NC	NC	NC	1.1	100	100	500	1.1		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.87 U
1,2-Dichloroethane	107-06-2	NC	NC	NC	0.02	2.3	3.1	30	0.02		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
1,3-Dichlorobenzene	541-73-1	NC	NC	NC	2.4	17	49	280	2.4		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.87 U
1,4-Dichlorobenzene	106-46-7	NC	NC	NC	1.8	9.8	13	130	1.8		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.87 U
1,4-Dioxane	123-91-1	NC	NC	NC	0.1	9.8	13	130	0.1		0.12 U	0.11 U	0.1 U	647.6 U	0.12 U	236.8 U	0.12 U	53.2 U	0.17 U
2-Butanone	78-93-3	100	NC	0.3	0.12	100	100	500	0.12		0.0307 U	0.028 U	0.026 U	161.9 U	0.0305 U	59.2 U	0.0303 U	13.3 U	0.0435 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	NC	NC		0.0307 U	0.028 U	0.026 U	161.9 U	0.0305 U	59.2 U	0.0303 U	13.3 U	0.0435 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	1	NC	NC	NC	NC	NC		0.0307 U	0.028 U	0.026 U	161.9 U	0.0305 U	59.2 U	0.0303 U	13.3 U	0.0435 U
Acetone	67-64-1	NC	NC	NC	0.05	100	100	500	0.05		0.0307 U	0.028 U	0.026 U	161.9 U	0.0305 U	59.2 U	0.0303 U	13.3 U	0.0435 U
Benzene	71-43-2	NC	NC	NC	0.06	2.9	4.8	44	0.06		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Carbon disulfide	75-15-0	100	NC	2.7	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Carbon Tetrachloride	56-23-5	NC	NC	NC	0.76	1.4	2.4	22	0.76		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Carbinated Flourocarbon (freon 113)	76-13-1	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Chlorobenzene	108-90-7	NC	NC	NC	1.1	100	100	500	1.1		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Chloroethane	75-00-3	NC	NC	1.9	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Chloroform	67-66-3	NC	NC	NC	0.37	10	49	350	0.37		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Cis-1,2-Dichloroethene	156-59-2	NC	NC	NC	0.25	59	100	500	0.25		0.0035 J	0.0036 J	0.0017 J	**165.6**	0.0065	11.8 U	0.0061 U	2.7 U	0.0087 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Cyclohexane	110-82-7	NC	NC	NC	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Ethylbenzene	100-41-4	NC	NC	NC	1	30	41	390	1		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Isopropylbenzene	98-82-8	100	NC	2.3	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.87 U
M,P-XYLENE	XYLMP	NC	NC	NC	NC	NC	NC	NC	NC		0.0123 U	0.0112 U	0.0104 U	64.8 U	0.0122 U	23.7 U	0.0121 U	5.3 U	0.0174 U
Methyl Acetate	79-20-9	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Methyl tert-Butyl ether	1634-04-4	NC	NC	NC	500	0.93	100	NC	62		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Methylcyclohexane	108-87-2	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Methylene Chloride	75-09-2	NC	NC	NC	0.05	51	100	500	0.05		0.0061	0.0056 J	0.0052	32.4 U	0.0061B	11.8 U	0.0061 J	2.7 U	0.0374
O-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	NC	NC		0.0052 U	0.0065 U	0.0061 U	32.4 U	0.0061 U	11.8 U	2.7 U	0.0061 U	0.0055 U
Tetrachloroethene (PCE)	127-18-4	NC	NC	NC	1.3	5.5	19	150	1.3		0.12	0.0219	0.0011 J	**1070**	**1.5**	**117.9**	0.0652	**21.9**	1.3
Toluene	108-88-3	NC	NC	NC	0.7	100	100	500	0.7		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Trans-1,2-Dichloroethene	156-60-5	NC	NC	NC	0.19	100	100	500	0.19		0.0061 U	0.0056 U	0.0052 U	**11.2 J**	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	NC	NC		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Trichloroethene (TCE)	79-01-6	NC	NC	NC	0.47	10	21	200	0.47		0.0161	0.0024 J	0.0052 U	**296.9**	0.0085	11.8 U	0.002 J	**0.56 J**	0.0087 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	NC	NC		0.0056 U	0.0052 U	0.0062 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.009 U	0.0087 U
Vinyl Chloride	75-01-4	NC	NC	NC	0.02	0.21	0.9	13	0.02		0.0061 U	0.0056 U	0.0052 U	32.4 U	0.0061 U	11.8 U	0.0061 U	2.7 U	0.0087 U
Xylenes (total)	1330-20-7	NC	NC	NC	0.26	100	100	500	1.6		NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TICs	NA	NC	NC	NC	NC	NC	NC	NC	NC		ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[8] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC - No criteria exists, NA - Not Available or Not Analyzed

Sample Type Code: N-Normal, FD-Field Duplicate

ft bgs - feet below ground surface

U - Not detected at the detection limit shown,
J - Estimated value
NJ - NJ - Detection is tenative in identification and estimated in value

Table 5-1
Soil Sampling - VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

										Location Code:	SB-23R	SB-23R	SB-28R	SB-28R	SB-29R	SB-29R	SB-29R	SB-31	SB-31
										Sample ID:	FD-2-091214	SB-23R-11-12-091214	SB-28R-3-4-091214	SB-28R-10-11-091214	SB-29R-1.5-25-091214	SB-29R-3.5-4-091214	SB-29R-9-10-091214	SB-31-7-8-091214	SB-31-21-21.5-091214
										Start Depth (ft bgs):	6	11	3	10	1.5	3.5	9	7	21
										End Depth (ft bgs):	7	12	4	11	2.5	4	10	8	21.5
										Sample Date:	9/12/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014	9/12/2014
										Sample Type:	FD	N	N	N	N	N	N	N	N
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[2]**	**CP-51 GW Protection[3]**	**Part 375 Unrestricted[4]**	**Part 375 Residential[5]**	**Part 375 Restricted Residential[6]**	**Part 375 Commercial[7]**	**Part 375 GW Protection[8]**									
1,1,1-Trichloroethane	71-55-6	NC	NC	NC	0.68	100	100	500	0.68	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,1,2,2-Tetrachloroethane	79-34-5	35	NC	0.6	NC	NC	NC	NC	NC	0.009 U	0.55 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,1-Dichloroethane	75-34-3	NC	NC	NC	0.27	19	26	240	0.27	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,1-Dichloroethene DCE	75-35-4	NC	NC	NC	0.33	100	100	500	0.33	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.55 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.4	NC	NC	NC	NC	NC	0.009 U	0.55 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	NC	NC	NC	1.1	100	100	500	1.1	0.009 U	0.55 U	0.64 U	0.55 U	0.0061 U	**1.2**	0.0065 U	0.62 U	0.0057 U
1,2-Dichloroethane	107-06-2	NC	NC	NC	0.02	2.3	3.1	30	0.02	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,3-Dichlorobenzene	541-73-1	NC	NC	NC	2.4	17	49	280	2.4	0.009 U	0.55 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,4-Dichlorobenzene	106-46-7	NC	NC	NC	1.8	9.8	13	130	1.8	0.009 U	0.55 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
1,4-Dioxane	123-91-1	NC	NC	NC	0.1	9.8	13	130	0.1	0.18 U	0.11 U	12.8 U	10.9 U	0.12 U	12.1 U	0.13 U	12.3 U	0.11 U
2-Butanone	78-93-3	100	NC	0.3	0.12	100	100	500	0.12	0.045 U	0.0276 U	3.2 U	2.7 U	0.0305 U	3 U	0.0323 U	3.1 U	0.0286 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	NC	NC	0.045 U	0.0276 U	3.2 U	2.7 U	0.0305 U	3 U	0.0323 U	3.1 U	0.0286 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	1	NC	NC	NC	NC	NC	0.045 U	0.0276 U	3.2 U	2.7 U	0.0305 U	3 U	0.0323 U	3.1 U	0.0286 U
Acetone	67-64-1	NC	NC	NC	0.05	100	100	500	0.05	**0.0668**	0.0315	3.2 U	2.7 U	0.0305 U	3 U	0.0323 U	3.1 U	0.0286 U
Benzene	71-43-2	NC	NC	NC	0.06	2.9	4.8	44	0.06	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 U	0.0065 U	0.0057 U	0.62 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 U	0.0065 U	0.0057 U	0.62 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 U	0.0065 U	0.0057 U	0.62 U
Carbon disulfide	75-15-0	100	NC	2.7	NC	NC	NC	NC	NC	0.003 J	0.0177	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Carbon Tetrachloride	56-23-5	NC	NC	NC	0.76	1.4	2.4	22	0.76	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Carbinated Flourocarbon (freon 113)	76-13-1	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 U	0.0065 U	0.0057 U	0.62 U
Chlorobenzene	108-90-7	NC	NC	NC	1.1	100	100	500	1.1	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Chloroethane	75-00-3	NC	NC	1.9	NC	NC	NC	NC	NC	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Chloroform	67-66-3	NC	NC	NC	0.37	10	49	350	0.37	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Cis-1,2-Dichloroethene	156-59-2	NC	NC	NC	0.25	59	100	500	0.25	0.0379	0.0913	**13.2 J**	**8.6**	0.0061 U	0.6 U	0.0029 J	0.62 U	0.0126
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Cyclohexane	110-82-7	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	7.9 J	0.0065 U	0.62 U	0.0057 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 U	0.0065 U	0.0057 U	0.62 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 U	0.0065 U	0.0057 U	0.62 U
Ethylbenzene	100-41-4	NC	NC	NC	1	30	41	390	1	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.17 J	0.0065 U	0.62 U	0.0057 U
Isopropylbenzene	98-82-8	100	NC	2.3	NC	NC	NC	NC	NC	0.009 U	0.55 U	0.64 U	0.55 U	0.0061 U	0.23 J	0.0065 U	0.62 U	0.0057 U
M,P-XYLENE	XYLMP	NC	NC	NC	NC	NC	NC	NC	NC	0.018 U	0.011 U	1.3 U	1.1 U	0.0122 U	0.31 J	0.0129 U	1.2 U	0.0114 U
Methyl Acetate	79-20-9	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 U	0.0065 U	0.0057 U	0.62 U
Methyl tert-Butyl ether	1634-04-4	NC	NC	NC	500	0.93	100	NC	62	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 U	0.0065 U	0.0057 U	0.62 U
Methylcyclohexane	108-87-2	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	6.5	0.0065 U	0.0057 U	0.62 U
Methylene Chloride	75-09-2	NC	NC	NC	0.05	51	100	500	0.05	0.0057 J	0.0243	0.64 U	0.55 U	0.017	0.6 U	0.0124	0.62 U	0.0117
O-Xylene	95-47-6	NC	NC	NC	NC	NC	100	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 J	0.0065 U	0.0057 U	0.62 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0087 U	0.55 U	0.64 U	0.0061 U	0.6 U	0.0065 U	0.0057 U	0.62 U
Tetrachloroethene (PCE)	127-18-4	NC	NC	NC	1.3	5.5	19	150	1.3	0.66	**16.8**	**126.8**	**8.1**	0.4	0.6 U	0.34 J	0.0775 J	0.28 J
Toluene	108-88-3	NC	NC	NC	0.7	100	100	500	0.7	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Trans-1,2-Dichloroethene	156-60-5	NC	NC	NC	0.19	100	100	500	0.19	0.0027 J	0.0035 J	**0.75**	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Trichloroethene (TCE)	79-01-6	NC	NC	NC	0.47	10	21	200	0.47	0.36	**0.74**	**17.3 J**	**5.7**	0.0061 U	0.6 U	0.0385	0.62 U	0.12
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	NC	NC	0.009 U	0.0055 U	0.64 U	0.55 UD	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Vinyl Chloride	75-01-4	NC	NC	NC	0.02	0.21	0.9	13	0.02	0.009 U	0.0055 U	0.64 U	0.55 U	0.0061 U	0.6 U	0.0065 U	0.62 U	0.0057 U
Xylenes (total)	1330-20-7	NC	NC	NC	0.26	100	100	500	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TICs	NA	NC	NC	NC	NC	NC	NC	NC	NC	ND	ND	ND	ND	ND	63.3	ND	0.0665	ND

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[8] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC - No criteria exists, NA - Not Available or Not Analyzed

Sample Type Code: N-Normal, FD-Field Duplicate

ft bgs - feet below ground surface

U - Not detected at the detection limit shown,
J - Estimated value
NJ - NJ - Detection is tenative in identification and estimated in value

Table 5-1
Soil Sampling - VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

										Location Code:	SB-32	SB-33	SB-34	SB-34	SB-34	SS-1	SS-1	SS-1	SS-1
										Sample ID:	SB-32-15.5-16-091214	SB-33-7-8-091214	SB-34_1-2_072121	X-1_072121	SB-34_9-10_072121	SS-1-040513	FD-1-20130405	SS-1-6-12-040513	SS-1-12-24-040513
										Start Depth (ft bgs):	15.5	7	1	1	9	0	0	0.5	1
										End Depth (ft bgs):	16	8	2	2	10	0.17	0.17	1	2
										Sample Date:	9/12/2014	9/12/2014	7/21/2021	7/21/2021	7/21/2021	4/5/2013	4/5/2013	4/5/2013	4/5/2013
										Sample Type:	N	N	N	FD	N	N	FD	N	N
Chemical Name	CAS No.	CP-51 Residential[1]	CP-51 Commercial[2]	CP-51 GW Protection[3]	Part 375 Unrestricted[4]	Part 375 Residential[5]	Part 375 Restricted Residential[6]	Part 375 Commercial[7]	Part 375 GW Protection[8]									
1,1,1-Trichloroethane	71-55-6	NC	NC	NC	0.68	100	100	500	0.68	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,1,2,2-Tetrachloroethane	79-34-5	35	NC	0.6	NC	NC	NC	NC	NC	0.61 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.41 U	0.41 U	0.42 U	0.42 U
1,1-Dichloroethane	75-34-3	NC	NC	NC	0.27	19	26	240	0.27	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,1-Dichloroethene DCE	75-35-4	NC	NC	NC	0.33	100	100	500	0.33	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	NC	NC	0.61 U	0.0057 U	NA	NA	NA	0.41 U	0.41 U	0.42 U	0.42 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.4	NC	NC	NC	NC	NC	0.61 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	NC	NC	NA	NA	0.0060 U	0.0063 U	0.0060 U	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	NC	NC	NC	1.1	100	100	500	1.1	0.61 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,2-Dichloroethane	107-06-2	NC	NC	NC	0.02	2.3	3.1	30	0.02	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,3-Dichlorobenzene	541-73-1	NC	NC	NC	2.4	17	49	280	2.4	0.61 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,4-Dichlorobenzene	106-46-7	NC	NC	NC	1.8	9.8	13	130	1.8	0.61 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,4-Dioxane	123-91-1	NC	NC	NC	0.1	9.8	13	130	0.1	0.12 U	0.11 U	NA	NA	NA	0.12 U	0.12 U	0.13 U	0.13 U
2-Butanone	78-93-3	100	NC	0.3	0.12	100	100	500	0.12	0.0306 U	0.0287 U	0.03 U	0.032 U	0.03 U	0.0305 U	0.0311 U	0.0313 U	0.0323 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	NC	NC	0.0306 U	0.0287 U	0.03 U	0.032 U	0.03 U	0.0305 U	0.0311 U	0.0313 U	0.0323 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	1	NC	NC	NC	NC	NC	0.0306 U	0.0287 U	0.03 U	0.032 U	0.03 U	0.0305 U	0.0311 U	0.0313 U	0.0323 U
Acetone	67-64-1	NC	NC	NC	0.05	100	100	500	0.05	0.0288 J	0.0218 J	0.03 U	0.032 U	0.03 U	0.0305 U	0.0311 U	0.0313 U	0.0323 U
Benzene	71-43-2	NC	NC	NC	0.06	2.9	4.8	44	0.06	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 UJ	0.0063 UJ	0.0060 UJ	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Carbon disulfide	75-15-0	100	NC	2.7	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Carbon Tetrachloride	56-23-5	NC	NC	NC	0.76	1.4	2.4	22	0.76	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Carbinated Flourocarbon (freon 113)	76-13-1	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Chlorobenzene	108-90-7	NC	NC	NC	1.1	100	100	500	1.1	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Chloroethane	75-00-3	NC	NC	1.9	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 UJ	0.0063 UJ	0.0060 UJ	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Chloroform	67-66-3	NC	NC	NC	0.37	10	49	350	0.37	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 UJ	0.0063 UJ	0.0060 UJ	18	13.8	13.7	12.6
Cis-1,2-Dichloroethene	156-59-2	NC	NC	NC	0.25	59	100	500	0.25	0.0061 U	0.0321	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Cyclohexane	110-82-7	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 UJ	0.0063 UJ	0.0060 UJ	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Ethylbenzene	100-41-4	NC	NC	NC	1	30	41	390	1	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Isopropylbenzene	98-82-8	100	NC	2.3	NC	NC	NC	NC	NC	0.61 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
M,P-XYLENE	XYLMP	NC	NC	NC	NC	NC	NC	NC	NC	0.0122 U	0.0115 U	NA	NA	NA	2240	2330	2510	2470
Methyl Acetate	79-20-9	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.03 U	0.032 U	0.03 U	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Methyl tert-Butyl ether	1634-04-4	NC	NC	NC	500	0.93	100	NC	62	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Methylcyclohexane	108-87-2	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Methylene Chloride	75-09-2	NC	NC	NC	0.05	51	100	500	0.05	0.03	0.0099	0.0060 U	0.0063 U	0.0060 U	0.0061	0.0062 U	0.0063 J	0.0065 J
O-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	100	NC	NC	0.0061 U	0.0057 U	NA	NA	NA	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0065 U	0.0063 U
Tetrachloroethene (PCE)	127-18-4	NC	NC	NC	1.3	5.5	19	150	1.3	0.81	0.94	0.00098 JL	0.0011 JL	0.02 JL	0.0207	0.0036 J	0.0289	0.0236
Toluene	108-88-3	NC	NC	NC	0.7	100	100	500	0.7	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Trans-1,2-Dichloroethene	156-60-5	NC	NC	NC	0.19	100	100	500	0.19	0.0061 U	0.005 J	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Trichloroethene (TCE)	79-01-6	NC	NC	NC	0.47	10	21	200	0.47	0.0061 U	0.25	0.0060 U	0.0063 U	0.0060 U	0.0061 U	0.0062 U	0.0021 J	0.0065 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	NC	NC	0.0061 U	0.0057 U	0.0060 UJ	0.0063 UJ	0.0060 UJ	0.0062 U	0.0061 U	0.0063 U	0.0065 U
Vinyl Chloride	75-01-4	NC	NC	NC	0.02	0.21	0.9	13	0.02	0.0061 U	0.0057 U	0.0060 UJ	0.0063 UJ	0.0060 UJ	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Xylenes (total)	1330-20-7	NC	NC	NC	0.26	100	100	500	1.6	NA	NA	0.012 U	0.013 U	0.012 U	NA	NA	NA	NA
Total TICs	NA	NC	NC	NC	NC	NC	NC	NC	NC	0.0064	ND	NA	NA	NA	ND	ND	0.0074	ND

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[8] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC - No criteria exists, NA - Not Available or Not Analyzed

Sample Type Code: N-Normal, FD-Field Duplicate

ft bgs - feet below ground surface

U - Not detected at the detection limit shown,
J - Estimated value
NJ - NJ - Detection is tenative in identification and estimated in value

Table 5-1
Soil Sampling - VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

									Location Code:	SS-2	SS-2	SS-2	SS-3	SS-3	SS-3	SS-4	SS-4
									Sample ID:	SS-2-040513	SS-2-0.5-1-040513	SS-2-1-2-040513	SS-3-040513	SS-3-0.5-1-040513	SS-3-1-2-040513	SS-4-042213	FD-2-20130422
									Start Depth (ft bgs):	0	0.5	1	0	0.5	1	0	0
									End Depth (ft bgs):	0.17	1	2	0.17	1	2	0.5	0.5
									Sample Date:	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/22/2013	4/22/2013
									Sample Type:	N	N	N	N	N	N	N	FD
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[2]**	**CP-51 GW Protection[3]**	**Part 375 Unrestricted[4]**	**Part 375 Residential[5]**	**Part 375 Restricted Residential[6]**	**Part 375 Commercial[7]**	**Part 375 GW Protection[8]**	**Results Compared to Residential SCOs**							
1,1,1-Trichloroethane	71-55-6	NC	NC	NC	0.68	100	100	500	0.68	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,1,2,2-Tetrachloroethane	79-34-5	35	NC	0.6	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	NC	NC	0.43 U	0.4 U	0.41 U	0.43 U	0.4 U	0.4 U	0.44 U	0.44 U
1,1-Dichloroethane	75-34-3	NC	NC	NC	0.27	19	26	240	0.27	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,1-Dichloroethene DCE	75-35-4	NC	NC	NC	0.33	100	100	500	0.33	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	NC	NC	0.43 U	0.4 U	0.41 U	0.43 U	0.4 U	0.4 U	0.44 U	0.44 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.4	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	NC	NC	NC	1.1	100	100	500	1.1	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,2-Dichloroethane	107-06-2	NC	NC	NC	0.02	2.3	3.1	30	0.02	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,3-Dichlorobenzene	541-73-1	NC	NC	NC	2.4	17	49	280	2.4	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,4-Dichlorobenzene	106-46-7	NC	NC	NC	1.8	9.8	13	130	1.8	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
1,4-Dioxane	123-91-1	NC	NC	NC	0.1	9.8	13	130	0.1	0.13 U	0.12 U	0.12 U	0.13 U	0.12 U	0.12 U	0.13 U	0.13 U
2-Butanone	78-93-3	100	NC	0.3	0.12	100	100	500	0.12	0.0324 U	0.0308 U	0.031 U	0.0327 U	0.0302 U	0.0304 U	0.0331 U	0.0332 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	NC	NC	0.0324 U	0.0308 U	0.031 U	0.0327 U	0.0302 U	0.0304 U	0.0331 U	0.0332 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	1	NC	NC	NC	NC	NC	0.0324 U	0.0308 U	0.031 U	0.0327 U	0.0302 U	0.0304 U	0.0331 U	0.0332 U
Acetone	67-64-1	NC	NC	NC	0.05	100	100	500	0.05	0.0324 U	0.0308 U	0.031 U	0.0327 U	0.0302 U	0.0304 U	0.0331 U	0.0332 U
Benzene	71-43-2	NC	NC	NC	0.06	2.9	4.8	44	0.06	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Carbon disulfide	75-15-0	100	NC	2.7	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Carbon Tetrachloride	56-23-5	NC	NC	NC	0.76	1.4	2.4	22	0.76	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Carbinated Flourocarbon (freon 113)	76-13-1	NC	NC	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Chlorobenzene	108-90-7	NC	NC	NC	1.1	100	100	500	1.1	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Chloroethane	75-00-3	NC	NC	1.9	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Chloroform	67-66-3	NC	NC	NC	0.37	10	49	350	0.37	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	NC	NC	17.4	15.4	13.9	15.2	13.7	12.6	0.0066 U	0.0066 U
Cis-1,2-Dichloroethene	156-59-2	NC	NC	NC	0.25	59	100	500	0.25	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0017 J	0.0066 U	0.0066 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Cyclohexane	110-82-7	NC	NC	NC	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.44 J
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Ethylbenzene	100-41-4	NC	NC	NC	1	30	41	390	1	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Isopropylbenzene	98-82-8	100	NC	2.3	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
M,P-XYLENE	XYLMP	NC	NC	NC	NC	NC	NC	NC	NC	2540	2540	2910	2640	2480	2480	0.0132 U	0.0133 U
Methyl Acetate	79-20-9	NC	NC	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Methyl tert-Butyl ether	1634-04-4	NC	NC	NC	500	0.93	100	NC	62	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Methylcyclohexane	108-87-2	NC	NC	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Methylene Chloride	75-09-2	NC	NC	NC	0.05	51	100	500	0.05	0.0065 U	0.0062 J	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
O-Xylene	95-47-6	NC	NC	NC	NC	NC	100	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0062 U	0.006 U	0.0065 U	0.0061 U	0.0066 U	0.0066 U
Tetrachloroethene (PCE)	127-18-4	NC	NC	NC	1.3	5.5	19	150	1.3	0.0048 J	0.0024 J	0.0026 J	0.0027 J	0.0032 J	0.0028 J	0.0066 U	0.0066 U
Toluene	108-88-3	NC	NC	NC	0.7	100	100	500	0.7	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Trans-1,2-Dichloroethene	156-60-5	NC	NC	NC	0.19	100	100	500	0.19	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Trichloroethene (TCE)	79-01-6	NC	NC	NC	0.47	10	21	200	0.47	0.0017 J	0.0062 U	0.0016 J	0.0015 J	0.0019 J	0.0024 J	0.0066 U	0.0066 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	NC	NC	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Vinyl Chloride	75-01-4	NC	NC	NC	0.02	0.21	0.9	13	0.02	0.0065 U	0.0062 U	0.0062 U	0.0065 U	0.006 U	0.0061 U	0.0066 U	0.0066 U
Xylenes (total)	1330-20-7	NC	NC	NC	0.26	100	100	500	1.6	NA	NA	NA	NA	NA	NA	NA	NA
Total TICs	NA	NC	NC	NC	NC	NC	NC	NC	NC	74	ND	ND	ND	ND	ND	0.23	14.4

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[8] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC - No criteria exists, NA - Not Available or Not Analyzed

Sample Type Code: N-Normal, FD-Field Duplicate

ft bgs - feet below ground surface

U - Not detected at the detection limit shown,
J - Estimated value
NJ - NJ - Detection is tenative in identification and estimated in value

Table 5-2
Soil Sampling - SVOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Location ID:									MW-24	MW-25	SB-9	SS-1	SS-1	SS-1	SS-1	SS-1	SS-2	SS-2	SS-2	SS-3	SS-3	SS-3	SS-4	SS-4
Sample ID:									MW-24-10.8-11.8-11213	MW-25-8-9-112213	SB-9-2-3.2-040513	SS-1-040513	FD-1	SS-1-12-24-040513	SS-1-6-12-040513	SS-2-0.5-1-040513	SS-2-040513	SS-2-1-2-040513	SS-3-0.5-1-040513	SS-3-040513	SS-3-1-2-040513	FD-2	SS-4-042213
Start Depth (ft bgs):									10.8	8	2	0	0	1	0.5	0.5	0	1	0.5	0	1	0	0
End Depth (ft bgs):									11.8	9	3.2	0.17	0.17	2	1	1	0.17	2	1	0.17	2	0.17	0.17
Sample Date:									11/21/2013	11/22/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/22/2013	4/22/2013
Sample Type:									N	N	N	N	FD	N	N	N	N	N	N	N	N	FD	N
Chemical Name	CAS No.	CP-51 Restricted Use[1]	CP-51 Commercial[2]	CP-51 GW Protection[3]	Part 375 Unrestricted[4]	Part 375 Residential[5]	Part 375 Commercial[6]	Part 375 GW Protection[7]															
1,1'-Biphenyl	92-52-4	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
1,2-Benzathenanthracene (Chrysene)	218-01-9	1	NC	NC	1.0	1	NC	1.5	0.42	0.43 U	0.43 U	0.46	0.65	0.42 U	0.42 U	0.61	1.6	0.27 J	0.6	5.7	0.4 U	3.2 J	3.3 J
2,2'-oxybis(1-Chloropropane)	108-60-1	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2,4,5-Trichlorophenol	95-95-4	100	NC	NC	0.1	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2,4-Dichlorophenol	120-83-2	100	NC	NC	0.4	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2,4-Dimethylphenol	105-67-9	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2,4-Dinitrophenol	51-28-5	100	NC	NC	0.2	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2,4-Dinitrotoluene	121-14-2	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2,6-Dinitrotoluene	606-20-2	1.03	NC	NC	1	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2-Chloronaphthalene	91-58-7	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2-Chlorophenol	95-57-8	100	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2-Methylnaphthalene	91-57-6	0.41	NC	36.4	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2-Methylphenol	95-48-7	NC	NC	NC	0.33	100	500	0.33	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2-Nitroaniline	88-74-4	NC	NC	0.4	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
2-Nitrophenol	88-75-5	NC	NC	0.1	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
3- and 4- Methylphenol (total)	MEMOTOTPHEN	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
3,3'-Dichlorobenzidine	91-94-1	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
3-Nitroaniline	99-09-1	NC	NC	0.5	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
4,6-Dinitro-2-Methylphenol	534-52-1	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
4-Bromophenyl Phenyl Ether	101-55-3	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
4-chloro-3-Methylphenol	59-50-7	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
4-Chloroaniline	106-47-8	100	NC	0.22	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
4-Nitroaniline	100-01-6	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
4-Nitrophenol	100-02-7	NC	NC	0.1	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Acenaphthene	83-32-9	NC	NC	NC	20	100	500	98	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Acenaphthylene	208-96-8	NC	NC	NC	100	100	500	107	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.19 J	0.43 J	0.41 U	0.4 U	0.43 J	0.4 U	0.23 J	0.2 J
Acetophenone	98-86-2	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Anthracene	120-12-7	NC	NC	NC	100	100	500	1000	0.19 J	0.43 U	0.43 U	0.41 U	0.41 U	0.2 J	0.42 U	0.4 U	0.36 J	0.41 U	0.4 U	1	0.4 U	0.22 J	0.22 J
Atrazine	1912-24-9	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Benzaldehyde	100-52-7	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Benzo[a]anthracene	56-55-3	NC	NC	NC	1	1	5.6	1	0.51	0.43 U	0.43 U	0.35 J	0.54	0.42 U	0.42 U	0.51	1.7	0.41 U	0.49	5.5	0.4 U	1.5 J	1.2 J
Benzo[a]pyrene	50-32-8	NC	NC	NC	1	1	1	22	0.37 J	0.43 U	0.43 U	0.4 J	0.5 J	0.42 U	0.42 U	0.54	1.8	0.39 J	0.55	5.9	0.4 U	1.2 J	1.2 J
Benzo[b]fluoranthene	205-99-2	NC	NC	NC	1	1	5.6	1.7	0.47	0.43 U	0.43 U	0.53	0.7	0.42 U	0.42 U	0.73	1.6	0.25 J	0.75	4.7	0.4 U	1.3 J	1.1 J
Benzo[g,h,i]perylene	191-24-2	NC	NC	NC	100	100	500	1000	0.21 J	0.43 U	0.43 U	0.32 J	0.42 U	0.42 U	0.42 U	0.31 J	0.7	0.41 U	0.35 J	2.6	0.4 U	1 J	1 J
Benzo[k]fluoranthene	207-08-9	NC	NC	NC	0.8	1	56	1.7	0.2 J	0.43 U	0.43 U	0.23 J	0.26 J	0.42 U	0.42 U	0.22 J	0.56	0.41 U	0.25 J	2.1	0.4 U	0.5 J	0.38 J
Benzyl Butyl Phthalate	85-68-7	100	NC	NC	122	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
bis(2-Chloroethoxy)Methane	111-91-1	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
bis(2-chloroethyl)ether	111-44-4	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
bis(2-Ethylhexyl)Phthalate	117-81-7	50	NC	435	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.28 J	0.34 J	0.42 U	0.42 U	0.4 U	0.27 J	0.41 U	0.4 U	0.25 J	0.4 U	0.44 U	0.44 U
Caprolactam	105-60-2	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Carbazole	86-74-8	NC	NC	NC	NC	NC	NC	NC	0.14 J	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.13 J	0.4 U	0.44 U	0.44 U
Chrysophanols	56-60-3	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Dibenz[a,h]anthracene	53-70-3	NC	NC	NC	0.33	0.33	0.56	1000	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.19 J	0.41 U	0.4 U	0.66	0.4 U	0.44 U	0.44 U
Dibenzofuran	132-64-9	NC	NC	NC	6.2	7	NC	350	210	0.41 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Diethyl Phthalate	84-66-2	100	NC	NC	7.1	NC	NC	NC	0.41 U	0.27 J	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Dimethyl Phthalate	131-11-3	100	NC	NC	27	NC	NC	NC	0.67	0.73	0.23 J	0.2 J	0.41 U	0.22 J	0.23 J	0.24 J	0.36 J	0.22 J	0.35 J	0.29 J	0.24 J	0.53	0.44
di-n-Butyl Phthalate	84-74-2	100	NC	NC	8.1	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
di-n-Octyl Phthalate	117-84-0	100	NC	NC	120	NC	NC	NC	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Fluoranthene	206-44-0	NC	NC	NC	100	100	500	1000	1.1	0.43 U	0.43 U	0.75	1.2	0.42 U	0.42 U	0.18 J	1.2	2.7	0.42	1.1	9.3	0.4 U	1.9	2
Fluorene	86-73-7	NC	NC	NC	30	30	100	500	386	0.0981 J	0.43 U	0.43 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.19 J	0.4 U	0.44 U	0.44 U
Hexachlorobenzene	118-74-1	0.41	NC	NC	1.4	0.33	NC	6	3.2	0.41 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Hexachloroethane	67-72-1	NC	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Indeno[1,2,3-cd]pyrene	193-39-5	NC	NC	8.2	0.5	0.5	5.6	8.2	0.18 J	0.43 U	0.43 U	0.28 J	0.31 J	0.42 U	0.42 U	0.33 J	0.76	0.41 U	0.31 J	3	0.4 U	0.32 J	0.42 J
Isophorone	78-59-1	100	NC	4.4	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Naphthalene	91-20-3	NC	NC	NC	12	100	500	12	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Nitrobenzene	98-95-3	3.7	69	0.17	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
n-Nitroso-di-n-Propylamine	621-64-7	NC	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
n-Nitrosodiphenylamine	86-30-6	NC	NC	NC	NC	NC	NC	NC	NC	0.41 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Pentachlorophenol	87-86-5	NC	NC	NC	0.8	2.4	6.7	0.8	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Phenanthrene	85-01-8	NC	NC	NC	100	100	500	1000	0.94	0.43 U	0.43 U	0.39 J	0.5 J	0.42 U	0.42 U	0.4 U	0.77	0.41 U	0.36 J	2.7	0.4 U	1 J	1 J
Phenol	108-95-2	NC	NC	NC	0.33	100	500	0.33	0.41 U	0.43 U	0.43 U	0.41 U	0.41 U	0.42 U	0.42 U	0.4 U	0.43 U	0.41 U	0.4 U	0.43 U	0.4 U	0.44 U	0.44 U
Pyrene	129-00-0	NC	NC	NC	100	100	500	1000	0.86	0.43 U	0.43 U	0.66	1.1	0.42 U	0.42 U	0.31 J	1	2.4	0.38 J	8.5	0.4 U	2.6	2.8 J
Total TICs	NA	NC	NC	NC	NC	NC	NC	NC	5.93	5.13	6.79	8.06	8.29	6.9	7.69	8.38	9.62	6.56	7.62	18.53	6.36	14.4	9.23

Notes:

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51. *Soil Cleanup Guidance*. Table 1: Suscellemental Soil Cleanup Objectives. Residential. October 21. 2010.

[2] CP-51. *Soil Cleanup Guidance*. Table 1: Suscellemental Soil Cleanup Objectives. Commercial. October 21. 2010.

[3] CP-51. *Soil Cleanup Guidance*. Table 1: Suscellemental Soil Cleanup Objectives. Protection of Groundwater. October 21. 2010.

[4] 6 NYCRR Part 375. Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives. December 14. 2006

[5] 6 NYCRR Part 375. Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives. Protection of Public Health. Residential. December 14. 2006

[6] 6 NYCRR Part 375. Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives. Protection of Public Health. Commercial. December 14. 2006

[7] 6 NYCRR Part 375. Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives. Protection of Public Health. Protection of Groundwater. December 14. 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ - Detection is tentative in identification and estimated in value

Table 5-3
Soil Sampling - Inorganics Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

									Location ID:	SB-9	SS-1	SS-1	SS-1	SS-1	SS-2
									Sample ID:	SB-9-2-3.2-040513	SS-1-040513	FD-1	SS-1-12-24-040513	SS-1-6-12-040513	SS-2-0.5-1-040513
									Start Depth (ft bgs):	2	0	0	1	0.5	0.5
									End Depth (ft bgs):	3.2	0.17	0.17	2	1	1
									Sample Date:	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013
									Sample Type:	N	N	FD	N	N	N
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[2]**	**CP-51 GW Protection[3]**	**Part 375 Unrestricted[4]**	**Part 375 Residential[5]**	**Part 375 Commercial[6]**	**Part 375 GW Protection[7]**							
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC	NC		6430 J	4540 J	4640 J	7260 J	6060 J	7600 J
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC	NC		1.06 J	4.2 J	2.24 J	2.88 UJ	3.95 J	2.68 UJ
Arsenic	7440-38-2	NC	NC	NC	13	16	16	16		5.21	5.48	5.62	7	6.82	6.11
Barium	7440-39-3	NC	NC	NC	350	350	400	820		61.9 J	78.2 J	90.8 J	70.6 J	86.7 J	69.2 J
Beryllium	7440-41-7	NC	NC	NC	7.2	14	590	47		0.33 UJ	0.33 UJ	0.32 UJ	0.35 UJ	0.32 UJ	0.09 J
Cadmium	7440-43-9	NC	NC	NC	2.5	2.5	9.3	7.5		0.33 U	1.53 J	**2.78 J**	0.35 U	1.6	0.32 U
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC	NC		7170 J	4360 J	4780 J	2610 J	4610 J	4000 J
Chromium	7440-47-3	NC	NC	NC	NC	22	1500	NC		10.2 J	18 J	13.8 J	12.6 J	13.7 J	15.4 J
Cobalt	7440-48-4	30	NC	NC	NC	NC	NC	NC		6.61	6.55	6.63	9.47	8.79	9.35
Copper	7440-50-8	NC	NC	NC	50	270	270	1720		18.9 J	35.9 J	34.1 J	15.3 J	36.6 J	36.8 J
Cyanide	57-12-5	NC	NC	NC	27	27	27	40		0.328	0.351	0.145 J	0.272 J	0.403	0.287 J
Iron	7439-89-6	2000	NC	NC	NC	NC	NC	NC		**21100**	**19300**	**22100**	**38400**	**27200**	**29900**
Lead	7439-92-1	NC	NC	NC	63	400	1000	450		**906**	**1350**	**1440**	58.4	**1600**	**102**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC	NC		2400 J	2240 J	2330 J	2470 J	2510 J	2540 J
Manganese	7439-96-5	NC	NC	NC	1600	2000	10000	2000		626 J	377 J	487 J	808 J	601 J	595 J
Nickel	7440-02-0	NC	NC	NC	30	140	310	130		16.7	24.2	21.9	23.8	27.1	26.4
Potassium	7440-09-7	NC	NC	NC	NC	NC	NC	NC		522 J	501 J	516 J	713 J	680 J	870 J
Selenium	7782-49-2	NC	NC	NC	3.9	36	1500	4		1.11 UJ	1.11 UJ	1.06 UJ	1.02 J	0.63 J	0.56 J
Silver	7440-22-4	NC	NC	NC	2	36	1500	8.3		1.27	0.91	1.24	**2.68**	1.65	1.69
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC	NC		89.2 J	57.9 J	49.9 J	115 U	106 U	107 U
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC	NC		1.07 J	0.61 J	0.67 J	1.73 J	1.5 J	0.97 J
Vanadium	7440-62-2	100	NC	NC	NC	NC	NC	NC		11.4 J	12.8 J	12.2 J	13.8 J	14 J	15.8 J
Zinc	7440-66-6	NC	NC	NC	109	2200	10000	2480		94.5 J	**408 J**	**383 J**	102 J	**265 J**	**132 J**
Mercury	7439-97-6	NC	NC	NC	0.18	0.81	2.8	0.73		0.088	**0.647**	**0.645**	0.084	**0.521**	0.083

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375. Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives. Protection of Public Health. Commercial. December 14. 2006

[7] 6 NYCRR Part 375. Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives. Protection of Public Health. Protection of Groundwater. December 14. 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ – Detection is tentative in identification and estimated in value

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Table 5-3
Soil Sampling - Inorganics Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

									Location ID:	SS-2	SS-2	SS-3	SS-3	SS-3	SS-5
									Sample ID:	SS-2-040513	SS-2-1-2-040513	SS-3-0.5-1-040513	SS-3-040513	SS-3-1-2-040513	SS-5-0-0.17-091114
									Start Depth (ft bgs):	0	1	0.5	0	1	0
									End Depth (ft bgs):	0.17	2	1	0.17	2	0.17
									Sample Date:	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	9/11/2014
									Sample Type:	N	N	N	N	N	N
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[2]**	**CP-51 GW Protection[3]**	**Part 375 Unrestricted[4]**	**Part 375 Residential[5]**	**Part 375 Commercial[6]**	**Part 375 GW Protection[7]**						
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC	NC		8670 J	8490 J	8050 J	8090 J	8430 J	--
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC	NC		2.97 UJ	2.73 UJ	2.59 UJ	2.71 UJ	2.63 UJ	--
Arsenic	7440-38-2	NC	NC	NC	13	16	16	16		6.27	6.68	5.4	6.12	5.88	--
Barium	7440-39-3	NC	NC	NC	350	350	400	820		73.7 J	74.8 J	72.7 J	78.3 J	75.6 J	--
Beryllium	7440-41-7	NC	NC	NC	7.2	14	590	47		0.13 J	0.33 UJ	0.11 J	0.14 J	0.32 UJ	--
Cadmium	7440-43-9	NC	NC	NC	2.5	2.5	9.3	7.5		0.36 U	0.33 U	0.31 U	0.33 U	0.32 U	--
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC	NC		3000 J	5470 J	5040 J	7960 J	2450 J	--
Chromium	7440-47-3	NC	NC	NC	NC	22	1500	NC		17.4 J	13.9 J	13.7 J	15.2 J	12.6 J	--
Cobalt	7440-48-4	30	NC	NC	NC	NC	NC	NC		10.5	11.4	9.72	10.5	8.87	--
Copper	7440-50-8	NC	NC	NC	50	270	270	1720		43.7 J	20.7 J	22.7 J	30.6 J	10.4 J	--
Cyanide	57-12-5	NC	NC	NC	27	27	27	40		0.534	0.174 J	0.199 J	0.349	0.221 J	--
Iron	7439-89-6	2000	NC	NC	NC	NC	NC	NC		**30200**	**35000**	**27800**	**29200**	**37400**	--
Lead	7439-92-1	NC	NC	NC	63	400	1000	450		**91.7**	43.6	62.2	**123**	17.9	**1310**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC	NC		2540 J	2910 J	2480 J	2640 J	2480 J	--
Manganese	7439-96-5	NC	NC	NC	1600	2000	10000	2000		671 J	863 J	662 J	628 J	832 J	--
Nickel	7440-02-0	NC	NC	NC	30	140	310	130		28.8	28.2	24.5	29	22.8	--
Potassium	7440-09-7	NC	NC	NC	NC	NC	NC	NC		1050 J	697 J	613 J	842 J	561 J	--
Selenium	7782-49-2	NC	NC	NC	3.9	36	1500	4		0.62 J	0.54 J	1.04 UJ	1.08 UJ	0.59 J	--
Silver	7440-22-4	NC	NC	NC	2	36	1500	8.3		1.63	1.91	1.37	1.54	**2.16**	--
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC	NC		114 J	109 U	104 U	26.3 J	105 U	--
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC	NC		1.04 J	1.42 J	1.06 J	1.04 J	1.66 J	--
Vanadium	7440-62-2	100	NC	NC	NC	NC	NC	NC		17.6 J	15.7 J	15.3 J	17.4 J	13.9 J	--
Zinc	7440-66-6	NC	NC	NC	109	2200	10000	2480		**135 J**	96.7 J	96.9 J	**151 J**	93.8 J	--
Mercury	7439-97-6	NC	NC	NC	0.18	0.81	2.8	0.73		0.092	0.08	0.078	0.087	0.088	--

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375. Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives. Protection of Public Health. Commercial. December 14. 2006

[7] 6 NYCRR Part 375. Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives. Protection of Public Health. Protection of Groundwater. December 14. 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ – Detection is tentative in identification and estimated in value

Table 5-3
Soil Sampling - Inorganics Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

									Location ID:	SS-5	SS-5
									Sample ID:	SS-5-0.5-1-091114	FD-1-091114
									Start Depth (ft bgs):	0.5	0.5
									End Depth (ft bgs):	1	1
									Sample Date:	9/11/2014	9/11/2014
									Sample Type:	N	FD
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[2]**	**CP-51 GW Protection[3]**	**Part 375 Unrestricted[4]**	**Part 375 Residential[5]**	**Part 375 Commercial[6]**	**Part 375 GW Protection[7]**		
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC	NC	--	--
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC	NC	--	--
Arsenic	7440-38-2	NC	NC	NC	13	16	16	16	--	--
Barium	7440-39-3	NC	NC	NC	350	350	400	820	--	--
Beryllium	7440-41-7	NC	NC	NC	7.2	14	590	47	--	--
Cadmium	7440-43-9	NC	NC	NC	2.5	2.5	9.3	7.5	--	--
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC	NC	--	--
Chromium	7440-47-3	NC	NC	NC	NC	22	1500	NC	--	--
Cobalt	7440-48-4	30	NC	NC	NC	NC	NC	NC	--	--
Copper	7440-50-8	NC	NC	NC	50	270	270	1720	--	--
Cyanide	57-12-5	NC	NC	NC	27	27	27	40	--	--
Iron	7439-89-6	2000	NC	NC	NC	NC	NC	NC	--	--
Lead	7439-92-1	NC	NC	NC	63	400	1000	450	**799**	**709**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC	NC	--	--
Manganese	7439-96-5	NC	NC	NC	1600	2000	10000	2000	--	--
Nickel	7440-02-0	NC	NC	NC	30	140	310	130	--	--
Potassium	7440-09-7	NC	NC	NC	NC	NC	NC	NC	--	--
Selenium	7782-49-2	NC	NC	NC	3.9	36	1500	4	--	--
Silver	7440-22-4	NC	NC	NC	2	36	1500	8.3	--	--
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC	NC	--	--
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC	NC	--	--
Vanadium	7440-62-2	100	NC	NC	NC	NC	NC	NC	--	--
Zinc	7440-66-6	NC	NC	NC	109	2200	10000	2480	--	--
Mercury	7439-97-6	NC	NC	NC	0.18	0.81	2.8	0.73	--	--

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375. Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives. Protection of Public Health. Commercial. December 14. 2006

[7] 6 NYCRR Part 375. Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives. Protection of Public Health. Protection of Groundwater. December 14. 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ – Detection is tentative in identification and estimated in value

Table 5-4
Soil Sampling - PCBs Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

								Location ID:	SB-9	SS-1	SS-1	SS-1	SS-1
								Sample ID:	SB-9-2-3.2-040513	SS-1-040513	FD-1	SS-1-12-24-040513	SS-1-6-12-040513
								Start Depth (ft bgs):	2	0	0	1	0.5
								End Depth (ft bgs):	3.2	0.17	0.17	2	1
								Sample Date:	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013
								Sample Type:	N	N	FD	N	N
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[3]**	**CP-51 GW Protection[4]**	**Part 375 Unrestricted[5]**	**Part 375 Residential**	**Part 375 Commercial[7]**	**Part 375 GW Protection[5]**					
Aroclor-1016	12674-11-2	NC	NC	NC	0.1	1	1	3.2	0.0223 U	0.021 U	0.021 U	0.0217 U	0.0216 U
Aroclor-1221	11104-28-2	NC	NC	NC	0.1	1	1	3.2	0.0223 U	0.021 U	0.021 U	0.0217 U	0.0216 U
Aroclor-1232	11141-16-5	NC	NC	NC	0.1	1	1	3.2	0.0223 U	0.021 U	0.021 U	0.0217 U	0.0216 U
Aroclor-1242	53469-21-9	NC	NC	NC	0.1	1	1	3.2	0.0223 U	0.021 U	0.021 U	0.0217 U	0.0216 U
Aroclor-1248	12672-29-6	NC	NC	NC	0.1	1	1	3.2	0.0223 U	0.021 U	0.021 U	0.0217 U	0.0216 U
Aroclor-1254	11097-69-1	NC	NC	NC	0.1	1	1	3.2	0.0223 U	0.021 U	0.021 U	0.0217 U	0.0216 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.1	1	1	3.2	0.0245	0.021 U	0.021 U	0.0217 U	0.0216 U

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ – Detection is tentative in identification and estimated in value

Table 5-4
Soil Sampling - PCBs Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

								Location ID:	SS-2	SS-2	SS-2	SS-3	SS-3
								Sample ID:	SS-2-0.5-1-040513	SS-2-040513	SS-2-1-2-040513	SS-3-0.5-1-040513	SS-3-040513
								Start Depth (ft bgs):	0.5	0	1	0.5	0
								End Depth (ft bgs):	1	0.17	2	1	0.17
								Sample Date:	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013
								Sample Type:	N	N	N	N	N
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[3]**	**CP-51 GW Protection[4]**	**Part 375 Unrestricted[5]**	**Part 375 Residential**	**Part 375 Commercial[7]**	**Part 375 GW Protection[5]**					
Aroclor-1016	12674-11-2	NC	NC	NC	0.1	1	1	3.2	0.0207 U	0.0222 U	0.021 U	0.0208 UJ	0.0221 U
Aroclor-1221	11104-28-2	NC	NC	NC	0.1	1	1	3.2	0.0207 U	0.0222 U	0.021 U	0.0208 UJ	0.0221 U
Aroclor-1232	11141-16-5	NC	NC	NC	0.1	1	1	3.2	0.0207 U	0.0222 U	0.021 U	0.0208 UJ	0.0221 U
Aroclor-1242	53469-21-9	NC	NC	NC	0.1	1	1	3.2	0.0207 U	0.0222 U	0.021 U	0.0208 UJ	0.0221 U
Aroclor-1248	12672-29-6	NC	NC	NC	0.1	1	1	3.2	0.0207 U	0.0222 U	0.021 U	0.0208 UJ	0.0221 U
Aroclor-1254	11097-69-1	NC	NC	NC	0.1	1	1	3.2	0.0207 U	0.0222 U	0.021 U	0.0208 UJ	0.0221 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.1	1	1	3.2	0.0207 U	0.0222 U	0.021 U	0.0208 UJ	0.0221 U

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ – Detection is tentative in identification and estimated in value

Table 5-4
Soil Sampling - PCBs Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

								Location ID:	SS-3
								Sample ID:	SS-3-1-2-040513
								Start Depth (ft bgs):	1
								End Depth (ft bgs):	2
								Sample Date:	4/5/2013
								Sample Type:	N
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[3]**	**CP-51 GW Protection[4]**	**Part 375 Unrestricted[5]**	**Part 375 Residential**	**Part 375 Commercial[7]**	**Part 375 GW Protection[8]**	
Aroclor-1016	12674-11-2	NC	NC	NC	0.1	1	1	3.2	0.0205 U
Aroclor-1221	11104-28-2	NC	NC	NC	0.1	1	1	3.2	0.0205 U
Aroclor-1232	11141-16-5	NC	NC	NC	0.1	1	1	3.2	0.0205 U
Aroclor-1242	53469-21-9	NC	NC	NC	0.1	1	1	3.2	0.0205 U
Aroclor-1248	12672-29-6	NC	NC	NC	0.1	1	1	3.2	0.0205 U
Aroclor-1254	11097-69-1	NC	NC	NC	0.1	1	1	3.2	0.0205 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.1	1	1	3.2	0.0205 U

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ – Detection is tentative in identification and estimated in value

Table 5-5
Soil Sampling - Pesticides and Herbicides Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Chemical Name	CAS No.	CP-51 Residential[1]	CP-51 Commercial[2]	CP-51 GW Protection[3]	Part 375 Unrestricted[4]	Part 375 Residential[5]	Part 375 Commercial[6]	Part 375 GW Protection[7]					
Location ID:									SB-9	SS-1	SS-1	SS-1	SS-1
Sample ID:									SB-9-2-3.2-040513	SS-1-040513	FD-1	SS-1-12-24-040513	SS-1-6-12-040513
Start Depth (ft bgs):									2	0	0	1	0.5
End Depth (ft bgs):									3.2	0.17	0.17	2	1
Sample Date:									4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013
Sample Type:									N	N	FD	N	N
Pesticides													
4-4-DDD	72-54-8	NC	NC	NC	0.0033	2.6	92	14	0.0022 U	0.0021 NJ	0.0023 NJ	0.0022 U	0.0025
4-4-DDE	72-55-9	NC	NC	NC	0.0033	1.8	62	17	0.0022 U	**0.013**	**0.014**	0.0013 J	**0.015**
4-4-DDT	50-29-3	NC	NC	NC	0.0033	1.7	47	136	0.0022 U	**0.043**	**0.048**	**0.0038**	**0.061**
a-BHC	319-84-6	NC	NC	NC	0.02	0.097	3.4	0.02	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Aldrin	309-00-2	NC	NC	NC	0.005	0.019	0.68	0.19	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
alpha-Chlordane	5103-71-9	NC	NC	NC	0.094	0.19	24	2.9	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
b-BHC	319-85-7	NC	NC	NC	0.036	0.072	3	0.09	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
d-BHC	319-86-8	NC	NC	NC	0.04	100	500	0.25	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Dieldrin	60-57-1	NC	NC	NC	0.005	0.039	1.4	0.1	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Endosulfan I	959-98-8	NC	NC	NC	2.4	4.8	200	102	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Endosulfan II	33213-65-9	NC	NC	NC	2.4	4.8	200	102	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Endosulfan Sulfate	1031-07-8	NC	NC	NC	2.4	4.8	200	1000	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Endrin	72-20-8	NC	NC	NC	0.014	2.2	89	0.06	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Heptachlor	76-44-8	NC	NC	NC	0.042	0.42	15	0.38	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Heptachlor Epoxide	1024-57-3	0.077	NC	0.02	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Lindane	58-89-9	NC	NC	NC	0.1	0.28	9.2	0.1	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Methoxychlor	72-43-5	100	NC	900	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC	NC	0.022 U	0.021 U	0.021 U	0.022 U	0.022 U
y-Chlordane	5103-74-2	0.54	NC	14	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U
Chlorinated Herbicides													
2,4,5-T	93-76-5	100	NC	1.9	NC	NC	NC	NC	0.0879 U	0.0829 U	0.083 U	0.0855 U	0.0851 U
2,4-D	94-75-7	100	NC	0.5	NC	NC	NC	NC	0.0879 U	0.0829 U	0.083 U	0.0855 U	0.0851 U
2,4-DB	94-82-6	NC	NC	NC	NC	NC	NC	NC	0.0879 U	0.0829 U	0.083 U	0.0855 U	0.0851 U
Dicamba	1918-00-9	NC	NC	NC	NC	NC	NC	NC	0.0879 U	0.0829 U	0.083 U	0.0855 U	0.0851 U
DICHLORPROP	120-36-5	NC	NC	NC	NC	NC	NC	NC	0.0879 U	0.0829 U	0.083 U	0.0855 U	0.0851 U
Dinoseb	88-85-7	NC	NC	NC	NC	NC	NC	NC	0.0879 U	0.0829 U	0.083 U	0.0855 U	0.0851 U
Silvex	93-72-1	NC	NC	NC	3.8	58	500	3.8	0.0879 U	0.0829 U	0.083 U	0.0855 U	0.0851 U

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ – Detection is tentative in identification and estimated in value

Table 5-5
Soil Sampling - Pesticides and Herbicides Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

								Location ID:	SS-2	SS-2	SS-2	SS-3	SS-3
								Sample ID:	SS-2-040513	SS-2-0.5-1-040513	SS-2-1-2-040513	SS-3-0.5-1-040513	SS-3-040513
								Start Depth (ft bgs):	0	0.5	1	0.5	0
								End Depth (ft bgs):	0.17	1	2	1	0.17
								Sample Date:	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013
								Sample Type:	N	N	N	N	N
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[2]**	**CP-51 GW Protection[3]**	**Part 375 Unrestricted[4]**	**Part 375 Residential[5]**	**Part 375 Commercial[6]**	**Part 375 GW Protection[7]**					
Pesticides													
4-4-DDD	72-54-8	NC	NC	NC	0.0033	2.6	92	14	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
4-4-DDE	72-55-9	NC	NC	NC	0.0033	1.8	62	17	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
4-4-DDT	50-29-3	NC	NC	NC	0.0033	1.7	47	136	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
a-BHC	319-84-6	NC	NC	NC	0.02	0.097	3.4	0.02	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Aldrin	309-00-2	NC	NC	NC	0.005	0.019	0.68	0.19	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
alpha-Chlordane	5103-71-9	NC	NC	NC	0.094	0.19	24	2.9	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
b-BHC	319-85-7	NC	NC	NC	0.036	0.072	3	0.09	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
d-BHC	319-86-8	NC	NC	NC	0.04	100	500	0.25	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Dieldrin	60-57-1	NC	NC	NC	0.005	0.039	1.4	0.1	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Endosulfan I	959-98-8	NC	NC	NC	2.4	4.8	200	102	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Endosulfan II	33213-65-9	NC	NC	NC	2.4	4.8	200	102	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Endosulfan Sulfate	1031-07-8	NC	NC	NC	2.4	4.8	200	1000	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Endrin	72-20-8	NC	NC	NC	0.014	2.2	89	0.06	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Heptachlor	76-44-8	NC	NC	NC	0.042	0.42	15	0.38	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Heptachlor Epoxide	1024-57-3	0.077	NC	0.02	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Lindane	58-89-9	NC	NC	NC	0.1	0.28	9.2	0.1	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Methoxychlor	72-43-5	100	NC	900	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC	NC	0.022 U	0.021 U	0.021 U	0.021 U	0.022 U
y-Chlordane	5103-74-2	0.54	NC	14	NC	NC	NC	NC	0.0022 U	0.0021 U	0.0021 U	0.0021 U	0.0022 U
Chlorinated Herbicides													
2,4,5-T	93-76-5	100	NC	1.9	NC	NC	NC	NC	0.0875 U	0.0818 U	0.0827 U	0.0818 U	0.0871 U
2,4-D	94-75-7	100	NC	0.5	NC	NC	NC	NC	0.0875 U	0.0818 U	0.0827 U	0.0818 U	0.0871 U
2,4-DB	94-82-6	NC	NC	NC	NC	NC	NC	NC	0.0875 U	0.0818 U	0.0827 U	0.0818 U	0.0871 U
Dicamba	1918-00-9	NC	NC	NC	NC	NC	NC	NC	0.0875 U	0.0818 U	0.0827 U	0.0818 U	0.0871 U
DICHLORPROP	120-36-5	NC	NC	NC	NC	NC	NC	NC	0.0875 U	0.0818 U	0.0827 U	0.0818 U	0.0871 U
Dinoseb	88-85-7	NC	NC	NC	NC	NC	NC	NC	0.0875 U	0.0818 U	0.0827 U	0.0818 U	0.0871 U
Silvex	93-72-1	NC	NC	NC	3.8	58	500	3.8	0.0875 U	0.0818 U	0.0827 U	0.0818 U	0.0871 U

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance*, Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ – Detection is tentative in identification and estimated in value

Table 5-5
Soil Sampling - Pesticides and Herbicides Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

								Location ID:	SS-3
								Sample ID:	SS-3-1-2-040513
								Start Depth (ft bgs):	1
								End Depth (ft bgs):	2
								Sample Date:	4/5/2013
								Sample Type:	N
Chemical Name	**CAS No.**	**CP-51 Residential[1]**	**CP-51 Commercial[2]**	**CP-51 GW Protection[3]**	**Part 375 Unrestricted[4]**	**Part 375 Residential[5]**	**Part 375 Commercial[6]**	**Part 375 GW Protection[7]**	
Pesticides									
4-4-DDD	72-54-8	NC	NC	NC	0.0033	2.6	92	14	0.0021 U
4-4-DDE	72-55-9	NC	NC	NC	0.0033	1.8	62	17	0.0021 U
4-4-DDT	50-29-3	NC	NC	NC	0.0033	1.7	47	136	0.0021 U
a-BHC	319-84-6	NC	NC	NC	0.02	0.097	3.4	0.02	0.0021 U
Aldrin	309-00-2	NC	NC	NC	0.005	0.019	0.68	0.19	0.0021 U
alpha-Chlordane	5103-71-9	NC	NC	NC	0.094	0.19	24	2.9	0.0021 U
b-BHC	319-85-7	NC	NC	NC	0.036	0.072	3	0.09	0.0021 U
d-BHC	319-86-8	NC	NC	NC	0.04	100	500	0.25	0.0021 U
Dieldrin	60-57-1	NC	NC	NC	0.005	0.039	1.4	0.1	0.0021 U
Endosulfan I	959-98-8	NC	NC	NC	2.4	4.8	200	102	0.0021 U
Endosulfan II	33213-65-9	NC	NC	NC	2.4	4.8	200	102	0.0021 U
Endosulfan Sulfate	1031-07-8	NC	NC	NC	2.4	4.8	200	1000	0.0021 U
Endrin	72-20-8	NC	NC	NC	0.014	2.2	89	0.06	0.0021 U
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC	NC	0.0021 U
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC	NC	0.0021 U
Heptachlor	76-44-8	NC	NC	NC	0.042	0.42	15	0.38	0.0021 U
Heptachlor Epoxide	1024-57-3	0.077	NC	0.02	NC	NC	NC	NC	0.0021 U
Lindane	58-89-9	NC	NC	NC	0.1	0.28	9.2	0.1	0.0021 U
Methoxychlor	72-43-5	100	NC	900	NC	NC	NC	NC	0.0021 U
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC	NC	0.021 U
y-Chlordane	5103-74-2	0.54	NC	14	NC	NC	NC	NC	0.0021 U
Chlorinated Herbicides									
2,4,5-T	93-76-5	100	NC	1.9	NC	NC	NC	NC	0.0807 U
2,4-D	94-75-7	100	NC	0.5	NC	NC	NC	NC	0.0807 U
2,4-DB	94-82-6	NC	NC	NC	NC	NC	NC	NC	0.0807 U
Dicamba	1918-00-9	NC	NC	NC	NC	NC	NC	NC	0.0807 U
DICHLORPROP	120-36-5	NC	NC	NC	NC	NC	NC	NC	0.0807 U
Dinoseb	88-85-7	NC	NC	NC	NC	NC	NC	NC	0.0807 U
Silvex	93-72-1	NC	NC	NC	3.8	58	500	3.8	0.0807 U

Notes:

All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs

Exceeds NYS Part 375 Unrestricted, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential SCOs

Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs

Exceeds NYS Part 375 Unrestricted, Residential, Commercial SCOs

Exceeds NYS Part 375 Unrestricted, Residental, Commerical, GW protection SCOs

Exceeds NYS CP-51 Residential SCOs

[1] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.

[2] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Commercial, October 21, 2010.

[3] CP-51, *Soil Cleanup Guidance* , Table 1: Supplemental Soil Cleanup Objectives, Protection of Groundwater, October 21, 2010.

[4] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006

[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006

[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006

[7] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006

NC- No criteria exists, NA- Not Available

Sample Type Code: N- Normal, FD- Field Duplicate

ft bgs- feet below ground surface

U - Not Detected at the Detection limit shown, J - Estimated Value, NJ - NJ – Detection is tentative in identification and estimated in value

Table 5-6
MIP XSD Readings and Zone Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Location	Zone	Maximum XSD Reading (µV)	Depth of Maximum XSD Reading (ft bgs)
SB-09	A	43,413	3.25
SB-10	A	31,510	4.05
SB-13	A	34,104	3.60
SB-15	A	609,607	4.10
SB-16	A	67,598	4.15
SB-17	A	37,919	7.80
SB-18	A	41,505	2.35
SB-23	A	13,352	6.50
SB-24	A	15,259	6.35
SB-27	A	344,707	3.65
SB-28	A	657,445	3.00
SB-29	A	345,317	1.80
SB-30	A	93,387	3.40
SB-34	A	63,402	6.05
SB-35	A	25,178	5.10
SB-36	A	24,567	5.00
SB-37	A	37,843	3.85
SB-38	A	29,603	6.75
SB-09	B	92,103	10.15
SB-10	B	50,661	12.30
SB-11	B	30,671	14.30
SB-12	B	52,797	11.25
SB-13	B	39,903	14.00
SB-14	B	76,525	10.75
SB-15	B	226,905	9.30
SB-16	B	80,187	13.80
SB-18	B	48,601	15.50
SB-20	B	22,956	9.80
SB-23	B	31,816	14.10
SB-24	B	16,327	21.20
SB-27	B	54,552	10.60
SB-28	B	383,007	10.05
SB-29	B	40,132	9.60
SB-30	B	50,508	9.50
SB-34	B	101,627	14.15
SB-35	B	31,434	12.30
SB-36	B	36,470	20.95
SB-37	B	48,982	15.80
SB-38	B	56,764	10.85

Notes:

ft bgs - Feet below ground surface

µV - Microvolts

CVOC - Chlorinated volatile organic carbons

XSD - Halogen specific defractor

Relative XSD Response - Background (<20,000 µV), low (20,000-<200,000 µV), intermediate (200,000-400,000 µV), and high (>500,000 µV)

Table 5-7
MIP Confirmation Sampling XSD Readings and PCE Results Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

MIP Location	Zone	MAX XSD Reading (uV)	Depth of Max XSD Reading (ft bgs)	Sample ID	Sample Interval (ft bgs)	PCE Concentration (mg/kg)	Total CVOC Concentration (mg/kg)	Relative XSD Response
SB-09	A	43,413	3.25	SB-9-2-3.2-040513	2 - 3.2	0.0617	10.33	Low
SB-09	B	22,507	6.65	SB-9-6-8-040513	6 - 8	0.12	0.1457	Low
SB-09	--	92,103	10.15	SB-9-11-12-040513	11 - 12	0.0219	0.0335	Low
SB-09	--	23,804	14.15	SB913.514.5040513	13.5 - 14.5	0.0011	0.0080	Low
SB-14	B	67,751	12.70	MW20(12.5-13.5)041813	12.5 - 13.5	14.6	20.55	Low
SB-14	B	64,013	14.00	MW20(13.5-14.5)041813	13.5 - 14.5	ND	0.0000	Low
SB-15	A	609,607	4.10	SB-15-4-5-040513	4 - 5	1,070	1,543.7	High
SB-15	--	146,107	6.15	SB-15-6-8-040513	6 - 8	1.5	1.5150	Low
SB-15	B	226,905	9.30	SB-15-9-10-040513	9 - 10	117.9	117.9	Intermediate
SB-16	A	67,598	4.15	SB-16-4-5-040513	4 - 5	0.0652	0.0733	Low
SB-16	B	78,051	11.85	SB-16-10-12-040513	10 - 12	21.9	22.46	Low
SB-23	A	13,352	6.50	SB-23R-6-7-091214	6-7	1.3	1.3374	Background
SB-23	B	31,816	14.10	SB-23R-11-12-091214	11-12	16.8	17.66	Low
SB-28	A	657,445	3.00	MW19(2.5-4.5)041713	2.5 - 4.5	408	1,007.8	High
SB-28	B	383,007	10.05	MW19(10-11)041713	10 - 11	0.0016	0.0016	High
SB-28	A	657,445	3.00	SB-28R-3-4-091214	3-4	126.8	158.05	High
SB-28	B	383,007	10.05	SB-28R-10-11-091214	10-11	8.1	22.40	High
SB-29	A	345,317	1.80	SB-29R-1.5-2.5-091214	1.5-2.5	0.4	0.4170	High
SB-29	--	23,652	3.50	SB-29R-3.5-4-091214	3.5-4	ND	1.2000	Low
SB-29	B	40,132	9.60	SB-29R-9-10-091214	9-10	0.34 J	0.3909	Low
SB-34	A	63,402	6.05	SB-34_1-2_072121	1-2	0.98 J vs	0.9800	Low
SB-34	B	101,627	14.15	SB-34_9-10_072121	9-10	20.0 vs	20.0000	Low

Notes:

ft bgs - feet below ground surface

PCE - Tetrachloroethene

CVOC - Chlorinated volatile organic carbons

Total CVOC - Includes all chlorinated VOCs

XSD - Halogen specific defractor

Relative XSD Response - Background (<20,000 µV), low (20,000-<200,000 µV), intermediate (200,000-400,000 µV), and high (>500,000 µV)

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

vs - Reported analyte concentrations are below 200 µg/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications

Table 5-8
Groundwater Sampling VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

	Location ID:		B-19NWMW-3	B-19NWMW-3	B-19NWMW-3	B-9NWMW-1	B-9NWMW-1	B-9NWMW-1	MW-7	MW-9	MW-9	MW-9	MW-14[2]	MW-14[2]
	Sample ID:		MW-3-051413	MW-3-091913	B-19NWMW-3-030421-20210304	MW-1-051413	MW-1-092013	B-9NWMW-1-030321-20210303	MW-7-030321-20210303	MW-9-051313	MW-9-092013	MW-9-030321-20210303	MW-14-051313	MW-14-091913
	Sample Date:		5/14/2013	9/19/2013	3/4/2021	5/14/2013	9/20/2013	3/3/2021	3/3/2021	5/13/2013	9/20/2013	3/3/2021	5/13/2013	9/19/2013
	Result Unit:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	Sample Type:		N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	**CAS No.**	**TOGS[1]**												
1,1,1,2-Tetrachloroethane	630-20-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	1	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,1-Dichloroethane	75-34-3	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,1-Dichloroethylene	75-35-4	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,1-Dichloropropene	563-58-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	87-61-6	5	5 U	5 U	NA	5 U	5 U	NA	NA	5 U	5 U	NA	5 U	5 U
1,2,3-Trichloropropane	96-18-4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,2,4-Trimethylbenzene	95-63-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,2-Dibromoethane	106-93-4	0.0006	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,2-Dichlorobenzene	95-50-1	3	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,2-Dichloroethane	107-06-2	0.6	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,2-Dichloropropane	78-87-5	1	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,3,5-Trichlorobenzene	108-70-3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	3	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,3-Dichloropropane	142-28-9	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	3	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
1,4-Dioxane	123-91-1	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	594-20-7	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	78-93-3	50	25 U	25 U	20 UJ	25 U	25 U	20 U	10 U	25 U	25 U	40 U	25 U	25 U
2-Chlorotoluene	95-49-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	591-78-6	50	25 U	25 U	10 U	25 U	25 U	10 U	5.0 U	25 U	25 U	20 U	25 U	25 U
4-Chlorotoluene	106-43-4	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	108-10-1	NC	25 U	25 U	10 U	25 U	25 U	10 U	5.0 U	25 U	25 U	20 U	25 U	25 U
Acetone	67-64-1	50	25 U	25 U	20 UJ	25 U	25 U	20 UJ	10 UJ	25 U	25 U	40 UJ	25 U	25 U
Acrylonitrile	107-13-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	71-43-2	1	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	**1.5 NJ**	**7.1**	**7.6**	5 U	**1.6 J**
Bromobenzene	108-86-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	74-97-5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4	50	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Bromoform	75-25-2	50	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Bromomethane	74-83-9	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Carbon Disulfide	75-15-0	60	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Carbon Tetrachloride	56-23-5	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Chlorinated Fluorocarbon (freon 113)	76-13-1	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Chlorobenzene	108-90-7	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Chlorobromomethane	74-97-5	5	5 U	5 U	NA	5 U	5 U	NA	NA	5 U	5 U	NA	5 U	5 U
Chloroethane	75-00-3	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Chloroform	67-66-3	7	5 U	5 U	2.0 U	1 J	5 U	2.0 U	1.6	5 U	5 U	4.0 U	5 U	5 U
Chloromethane	74-87-3	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
cis-1,2-Dichloroethylene	156-59-2	5	**27.3**	**41.6**	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	**5.2**	**15.1 J**
cis-1,3-Dichloropropylene	10061-01-5	0.4	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Cyclohexane	110-82-7	NC	5 UJ	5 U	2.0 U	5 UJ	5 U	2.0 U	1.0 U	17.2 J	20.5	63	5 UJ	5 U
Dibromochloromethane	124-48-1	50	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Dibromomethane	74-95-3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	75-71-8	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Diethyl Ether	60-29-7	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diisopropyl Ether (DIPE)	108-20-3	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	**110**	**150**	**110**	5 U	5 U
Hexachlorobutadiene	87-68-3	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	98-82-8	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	**48.6**	**72.6**	**35**	5 U	5 U
M,P-XYLENE	179601-23-1	NC	10 U	10 U	NA	10 U	10 U	NA	NA	20.6	26.2	NA	10 U	10 U
Methyl Acetate	79-20-9	NC	5 U	5 U	5.0 U	5 U	5 U	5.0 U	2.5 U	5 U	5 U	10 U	5 U	5 U
Methyl tert-Butyl ether	1634-04-4	10	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	**14.3**	**26**	5 U	5 U
Methylcyclohexane	108-87-2	NC	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	20.4	28.7	19	5 U	5 U
Methylene chloride	75-09-2	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Naphthalene	91-20-3	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	104-51-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	103-65-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6	5	5 U	5 U	NA	5 U	5 U	NA	NA	2.3 J	**5.2**	NA	5 U	5 U
p-Isopropyltoluene (p-Cymene)	99-87-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	135-98-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100-42-5	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
tert-Amyl Methyl Ether (TAME)	994-05-8	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butyl Alcohol (TBA)	75-65-0	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butyl Ethyl Ether (TBEE)	637-92-3	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	127-18-4	5	**13.4**	0.96 J	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	0.42 J	5 U
Tetrahydrofuran	109-99-9	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	108-88-3	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	0.79 J	2.1 J	4.0 U	5 U	5 U
Total TICs	NA	NC	ND	ND	4.0 U	5.8	21.6	4.0 U	2.0 U	1794.09	2047.5	**21**	ND	ND
trans-1,2-Dichloroethylene	156-60-5	5	1.3 J	1.4 J	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
trans-1,3-Dichloropropylene	10061-02-6	0.4	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
trans-1,4-Dichloro-2-butene	110-57-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene	79-01-6	5	**100**	**10.5**	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	0.92 J	1.7 J
Trichlorofluoromethane	75-69-4	5	5 U	5 U	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	5 U	5 U
Vinyl Chloride	75-01-4	2	**2.8 J**	**4.8 J**	2.0 U	5 U	5 U	2.0 U	1.0 U	5 U	5 U	4.0 U	**3.6 J**	**10.5**
Xylenes (total)	1330-20-7	5	NA	NA	4.0 U	NA	NA	4.0 U	2.0 U	NA	NA	**21**	NA	NA

Notes:
All units in micrograms per liter (ug/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] Monitoring well was decommissioned in November 2020 as part of the Former Farrell's Chevron Spill #8602108 closure.
Bold Value - Exceeds New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values.
NC - No criteria exists, NA - Not Available/Analyzed, D - Sample diluted
U - Not Detected at the Detection Limit shown, J - Estimated value, UJ - Approximate Non-detect, JH - Estimated High, T - MS and/or MSD recovery exceeds control limits
Sample Type Code N = Normal
Sample Type Code FD = Field Duplicate

Table 5-8
Groundwater Sampling VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

	Location ID:		MW-15	MW-15	MW-15	MW-16D	MW-16D	MW-16D	MW-16S	MW-16S	MW-16S	MW-17	MW-17	MW-17
	Sample ID:		MW-15-051413	MW-15-091913	MW-15-030321-20210303	MW-16D-050813	MW-16D-091813	MW-16D-030121	MW-16S-050813	MW-16S-091713	MW-16S-030121	MW-17-051013	MW-17-092013	MW-17-030221
	Sample Date:		5/14/2013	9/19/2013	3/3/2021	5/8/2013	9/18/2013	3/1/2021	5/8/2013	9/17/2013	3/1/2021	5/10/2013	9/20/2013	3/2/2021
	Result Unit:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	Sample Type:		N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	**CAS No.**	**TOGS[1]**												
1,1,1,2-Tetrachloroethane	630-20-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UT	5 U	5 U	1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	1	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
1,1-Dichloroethane	75-34-3	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UT	5 U	5 U	1.0 U
1,1-Dichloroethylene	75-35-4	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UT	5 U	5 U	1.0 U
1,1-Dichloropropene	563-58-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	87-61-6	5	5 U	5 U	NA	5 U	5 U	NA	5 U	5 U	NA	5 U	5 U	NA
1,2,3-Trichloropropane	96-18-4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
1,2-Dibromoethane	106-93-4	0.0006	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
1,2-Dichlorobenzene	95-50-1	3	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
1,2-Dichloroethane	107-06-2	0.6	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UT	5 U	5 U	1.0 U
1,2-Dichloropropane	78-87-5	1	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
1,3,5-Trichlorobenzene	108-70-3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	3	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
1,3-Dichloropropane	142-28-9	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	3	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
1,4-Dioxane	123-91-1	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	594-20-7	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	78-93-3	50	25 U	25 U	10 U	25 U	25 U	10 U	25 U	25 U	10 U	25 U	25 U	10 U
2-Chlorotoluene	95-49-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	591-78-6	50	25 U	25 U	5.0 U	25 U	25 U	5.0 U	25 U	25 U	5.0 U	25 U	25 U	5.0 U
4-Chlorotoluene	106-43-4	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	108-10-1	NC	25 U	25 U	5.0 U	25 U	25 U	5.0 U	25 U	25 U	5.0 U	25 U	25 U	5.0 U
Acetone	67-64-1	50	25 U	25 U	10 UJ	25 U	25 U	10 U	25 U	25 U	10 U	25 U	25 U	10 U
Acrylonitrile	107-13-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	71-43-2	1	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UT	5 U	5 U	1.0 U
Bromobenzene	108-86-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	74-97-5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4	50	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UJ
Bromoform	75-25-2	50	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Bromomethane	74-83-9	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Carbon Disulfide	75-15-0	60	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Carbon Tetrachloride	56-23-5	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UT	5 U	5 U	1.0 U
Chlorinated Fluorocarbon (freon 113)	76-13-1	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Chlorobenzene	108-90-7	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Chlorobromomethane	74-97-5	5	5 U	5 U	NA	5 U	5 U	NA	5 U	5 U	NA	5 U	5 U	NA
Chloroethane	75-00-3	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Chloroform	67-66-3	7	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Chloromethane	74-87-3	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UT	5 U	5 U	1.0 U
cis-1,2-Dichloroethylene	156-59-2	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	**7.1**	2.9 J	1.0 U	5 U	5 U	1.0 U
cis-1,3-Dichloropropylene	10061-01-5	0.4	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Cyclohexane	110-82-7	NC	5 UJ	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UT	5 UJ	5 U	1.0 U
Dibromochloromethane	124-48-1	50	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UJ
Dibromomethane	74-95-3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	75-71-8	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 UT	5 U	5 U	1.0 U
Diethyl Ether	60-29-7	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diisopropyl Ether (DIPE)	108-20-3	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Hexachlorobutadiene	87-68-3	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	98-82-8	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
M,P-XYLENE	179601-23-1	NC	10 U	10 U	NA	10 U	10 U	NA	10 U	10 U	NA	10 U	10 U	NA
Methyl Acetate	79-20-9	NC	5 U	5 U	2.5 U	5 U	5 U	2.5 U	5 U	5 U	2.5 U	5 U	5 U	2.5 U
Methyl tert-Butyl ether	1634-04-4	10	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	**20.4**	**27.2**	**15**
Methylcyclohexane	108-87-2	NC	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Methylene chloride	75-09-2	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Naphthalene	91-20-3	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	104-51-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	103-65-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6	5	5 U	5 U	NA	5 U	5 U	NA	5 U	5 U	NA	5 U	5 U	NA
p-Isopropyltoluene (p-Cymene)	99-87-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	135-98-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100-42-5	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
tert-Amyl Methyl Ether (TAME)	994-05-8	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butyl Alcohol (TBA)	75-65-0	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butyl Ethyl Ether (TBEE)	637-92-3	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	127-18-4	5	1.2 J	2.9 J	2.2	5 U	5 U	1.0 U	**27.5**	**28.3**	**18 JH**	5 U	5 U	1.0 U
Tetrahydrofuran	109-99-9	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	108-88-3	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Total TICs	NA	NC	ND	ND	2.0 U	ND	ND	2.0 U	ND	ND	2.0 U	ND	ND	2.0 U
trans-1,2-Dichloroethylene	156-60-5	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	0.51 J	5 U	1.0 UT	5 U	5 U	1.0 U
trans-1,3-Dichloropropylene	10061-02-6	0.4	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
trans-1,4-Dichloro-2-butene	110-57-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene	79-01-6	5	0.4 J	5 U	1.0 U	5 U	5 U	1.0 U	**7.4**	3.3 J	1.8 T	5 U	5 U	1.0 U
Trichlorofluoromethane	75-69-4	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Vinyl Chloride	75-01-4	2	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U
Xylenes (total)	1330-20-7	5	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] Monitoring well was decommissioned in November 2020 as part of the Former Farrell's Chevron Spill #8602108 closure.
Bold - Exceedes New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values.
NC - No criteria exists, NA - Not Available/Analyzed, D - Sample diluted
U - Not Detected at the Detection Limit shown, J - Estimated value, UJ - Approximate Non-detect, JH - Estimated High, T - MS and/or MSD recovery exceeds control limits
Sample Type Code N = Normal
Sample Type Code FD = Field Duplicate

Table 5-8
Groundwater Sampling VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

	Location ID:		MW-18D	MW-18D	MW-18D	MW-18S	MW-18S	MW-18S	MW-19	MW-19	MW-19	MW-19	MW-19	MW-20
	Sample ID:		MW-18D-051313	MW-18D-091713	MW-18D-030121	MW-18S-051313	MW-18S-091713	MW-18S-030121	MW-19-050913	MW-19-091813	MW-19-030121	MW-19-112222	FD-112222	MW-20-050913
	Sample Date:		5/13/2013	9/17/2013	3/1/2021	5/13/2013	9/17/2013	3/1/2021	5/9/2013	9/18/2013	3/1/2021	11/22/2022	11/22/2022	5/9/2013
	Result Unit:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	µg/l	µg/l	ug/l
	Sample Type:		N	N	N	N	N	N	N	N	N	N	FD	N
Chemical Name	**CAS No.**	**TOGS[1]**												
1,1,1,2-Tetrachloroethane	630-20-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	NA
1,1,1-Trichloroethane	71-55-6	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.7 U	1.7 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.3 U	1.3 U	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3 U	2.3 U	NA
1,1,2-Trichloroethane	79-00-5	1	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.8 U	1.8 U	5 U
1,1-Dichloroethane	75-34-3	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.4 U	1.4 U	5 U
1,1-Dichloroethylene	75-35-4	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.4 U	1.4 U	0.97 J
1,1-Dichloropropene	563-58-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	NA
1,2,3-Trichlorobenzene	87-61-6	5	5 U	5 U	NA	5 U	5 U	NA	5 U	5 U	NA	3 U	3 U	5 U
1,2,3-Trichloropropane	96-18-4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U	2.8 U	NA
1,2,4-Trichlorobenzene	120-82-1	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	2.5 U	2.5 U	5 U
1,2,4-Trimethylbenzene	95-63-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	NA
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	8 UJ	8 UJ	5 U
1,2-Dibromoethane	106-93-4	0.0006	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.7 U	1.7 U	5 U
1,2-Dichlorobenzene	95-50-1	3	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.2 U	1.2 U	5 U
1,2-Dichloroethane	107-06-2	0.6	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	3.1 U	3.1 U	5 U
1,2-Dichloropropane	78-87-5	1	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.8 U	1.8 U	5 U
1,3,5-Trichlorobenzene	108-70-3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.1 U	NA
1,3,5-Trimethylbenzene	108-67-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	NA
1,3-Dichlorobenzene	541-73-1	3	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.2 U	1.2 U	5 U
1,3-Dichloropropane	142-28-9	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.3 U	NA
1,4-Dichlorobenzene	106-46-7	3	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.3 U	1.3 U	5 U
1,4-Dioxane	123-91-1	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	210 UJ	210 UJ	NA
2,2-Dichloropropane	594-20-7	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3 UJ	3.3 UJ	NA
2-Butanone	78-93-3	50	25 U	25 U	10 U	25 U	25 U	10 U	25 U	25 U	200 U	16 U	16 U	25 U
2-Chlorotoluene	95-49-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	NA
2-Hexanone	591-78-6	50	25 U	25 U	5.0 U	25 U	25 U	5.0 U	25 U	25 U	100 U	11 U	11 U	25 U
4-Chlorotoluene	106-43-4	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 U	1.2 U	NA
4-Methyl-2-Pentanone	108-10-1	NC	25 U	25 U	5.0 U	25 U	25 U	5.0 U	25 U	25 U	100 U	13 U	13 U	25 U
Acetone	67-64-1	50	25 U	25 U	10 U	25 U	25 U	10 U	25 U	25 U	200 U	20 U	20 U	25 U
Acrylonitrile	107-13-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5 U	5.5 U	NA
Benzene	71-43-2	1	5 U	5 U	1.0 U	5 U	5 U	1.0 U	0.61 J	1 J	20 U	2 U	2 U	**2.9 J**
Bromobenzene	108-86-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	NA
Bromochloromethane	74-97-5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1 U	3.1 U	NA
Bromodichloromethane	75-27-4	50	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.8 U	1.8 U	5 U
Bromoform	75-25-2	50	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	3.8 U	3.8 U	5 U
Bromomethane	74-83-9	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	15 U	15 U	5 U
Carbon Disulfide	75-15-0	60	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	14 U	14 U	5 U
Carbon Tetrachloride	56-23-5	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.6 U	1.6 U	5 U
Chlorinated Fluorocarbon (freon 113)	76-13-1	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	NA	NA	5 U
Chlorobenzene	108-90-7	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.1 U	1.1 U	5 U
Chlorobromomethane	74-97-5	5	5 U	5 U	NA	5 U	5 U	NA	5 U	5 U	NA	NA	NA	5 U
Chloroethane	75-00-3	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	3.2 U	3.2 U	5 U
Chloroform	67-66-3	7	5 U	5 U	1.0 U	5 U	5 U	1.0 U	**31.1**	**8.9**	20 U	1.7 U	1.7 U	0.42 J
Chloromethane	74-87-3	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	5.2 U	5.2 U	5 U
cis-1,2-Dichloroethylene	156-59-2	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	**160 J**	**410**	**250**	**140 D**	**140 D**	**120**
cis-1,3-Dichloropropylene	10061-01-5	0.4	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.6 U	1.6 U	5 U
Cyclohexane	110-82-7	NC	5 UJ	5 U	1.0 U	5 UJ	5 U	1.0 U	5 U	5 U	20 U	NA	NA	5 U
Dibromochloromethane	124-48-1	50	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	2.2 U	2.2 U	5 U
Dibromomethane	74-95-3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.5 U	3.5 U	NA
Dichlorodifluoromethane	75-71-8	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.9 U	1.9 U	5 U
Diethyl Ether	60-29-7	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	NA
Diisopropyl Ether (DIPE)	108-20-3	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.3 U	NA
Ethylbenzene	100-41-4	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	2.1 U	2.1 U	5 U
Hexachlorobutadiene	87-68-3	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6 U	4.6 U	NA
Isopropylbenzene	98-82-8	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.1 U	1.1 U	5 U
M,P-XYLENE	179601-23-1	NC	10 U	10 U	NA	10 U	10 U	NA	10 U	10 U	NA	4.6 U	4.6 U	10 U
Methyl Acetate	79-20-9	NC	5 U	5 U	2.5 U	5 U	5 U	2.5 U	5 U	5 U	50 U	4.5 U	4.5 U	5 U
Methyl tert-Butyl ether	1634-04-4	10	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.7 U	1.7 U	5 U
Methylcyclohexane	108-87-2	NC	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	2.4 U	2.4 U	5 U
Methylene chloride	75-09-2	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	0.58 J	5 U	20 U	2.3 U	2.3 U	5 U
Naphthalene	91-20-3	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4 UJ	2.4 UJ	NA
n-Butylbenzene	104-51-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	NA
n-Propylbenzene	103-65-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.86 U	0.86 U	NA
o-Xylene	95-47-6	5	5 U	5 U	NA	5 U	5 U	NA	5 U	5 U	NA	2.3 U	2.3 U	5 U
p-Isopropyltoluene (p-Cymene)	99-87-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.97 U	0.97 U	NA
sec-Butylbenzene	135-98-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	NA
Styrene	100-42-5	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.1 U	1.1 U	5 U
tert-Amyl Methyl Ether (TAME)	994-05-8	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	NA
tert-Butyl Alcohol (TBA)	75-65-0	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	47 U	47 U	NA
tert-Butyl Ethyl Ether (TBEE)	637-92-3	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	NA
tert-Butylbenzene	98-06-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.3 U	NA
Tetrachloroethene	127-18-4	5	5 U	5 U	1.0 U	5 U	1.1 J	1.3	**970**	**1600**	**720**	**720 D**	**750 D**	**520**
Tetrahydrofuran	109-99-9	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.9 UJ	4.9 UJ	NA
Toluene	108-88-3	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	2.2 U	2.2 U	5 U
Total TICs	NA	NC	ND	ND	2.0 U	ND	ND	2.0 U	ND	ND	40 U	NA	NA	ND
trans-1,2-Dichloroethylene	156-60-5	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	4.7 J	**18.9**	20 U	**6.1 JD**	**6.2 JD**	**8.6**
trans-1,3-Dichloropropylene	10061-02-6	0.4	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.7 UJ	1.7 UJ	5 U
trans-1,4-Dichloro-2-butene	110-57-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	16 UJ	16 UJ	NA
Trichloroethylene	79-01-6	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	**120**	**220**	**130**	**94 D**	**95 D**	**170**
Trichlorofluoromethane	75-69-4	5	5 U	5 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	20 U	1.8 U	1.8 U	5 U
Vinyl Chloride	75-01-4	2	5 U	5 U	1.0 U	5 U	5 U	1.0 U	0.62 J	0.52 J	20 U	2.1 U	2.1 U	**4.1 J**
Xylenes (total)	1330-20-7	5	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	40 U	NA	NA	NA

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] Monitoring well was decommissioned in November 2020 as part of the Former Farrell's Chevron Spill #8602108 closure.
Bold - Exceedes New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values.
NC - No criteria exists, NA - Not Available/Analyzed, D - Sample diluted
U - Not Detected at the Detection Limit shown, J - Estimated value, UJ - Approximate Non-detect, JH - Estimated High, T - MS and/or MSD recovery exceeds control limits
Sample Type Code N = Normal
Sample Type Code FD = Field Duplicate

Table 5-8
Groundwater Sampling VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

	Location ID:	MW-20	MW-20	MW-20	MW-20	MW-21	MW-21	MW-21	MW-21	MW-21	MW-22	MW-22	MW-22
	Sample ID:	FD-1	MW-20-091813	MW-20-030121	MW-20-112222	MW-21-051013	MW-21-091813	FD-1-091813	MW-21-030221	DUP-1-030221	MW-22-050813	MW-22-091913	MW-22-030221
	Sample Date:	5/9/2013	9/18/2013	3/1/2021	11/22/2022	5/10/2013	9/18/2013	9/18/2013	3/2/2021	3/2/2021	5/8/2013	9/19/2013	3/2/2021
	Result Unit:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	Sample Type:	FD	N	N	N	N	N	FD	N	FD	N	N	N
Chemical Name	**CAS No.**	**TOGS[1]**											
1,1,1,2-Tetrachloroethane	630-20-6	5	NA	NA	NA	0.18 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	5	5 U	5 U	4.0 U	0.17 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	5 U	5 U	4.0 U	0.13 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5	NA	NA	NA	0.23 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	1	5 U	5 U	4.0 U	0.18 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,1-Dichloroethane	75-34-3	5	5 U	5 U	4.0 U	0.14 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,1-Dichloroethylene	75-35-4	5	1.1 J	0.57 J	4.0 U	0.15 J	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,1-Dichloropropene	563-58-6	5	NA	NA	NA	0.15 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	87-61-6	5	5 U	5 U	NA	0.3 U	5 U	5 U	5 U	NA	NA	5 U	5 U	NA
1,2,3-Trichloropropane	96-18-4	0.04	NA	NA	NA	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	5	5 U	5 U	4.0 U	0.25 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	NA	NA	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	5 U	5 U	4.0 U	0.8 UJ	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,2-Dibromoethane	106-93-4	0.0006	5 U	5 U	4.0 U	0.17 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,2-Dichlorobenzene	95-50-1	3	5 U	5 U	4.0 U	0.12 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,2-Dichloroethane	107-06-2	0.6	5 U	5 U	4.0 U	0.31 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,2-Dichloropropane	78-87-5	1	5 U	5 U	4.0 U	0.18 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,3,5-Trichlorobenzene	108-70-3	5	NA	NA	NA	0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	5	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	3	5 U	5 U	4.0 U	0.12 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,3-Dichloropropane	142-28-9	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	3	5 U	5 U	4.0 U	0.13 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
1,4-Dioxane	123-91-1	NC	NA	NA	NA	21 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	594-20-7	5	NA	NA	NA	0.33 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	78-93-3	50	25 U	25 U	40 U	1.6 U	25 U	25 U	25 U	10 U	10 U	25 U	25 U	10 U
2-Chlorotoluene	95-49-8	5	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	591-78-6	50	25 U	25 U	20 U	1.1 U	25 U	25 U	25 U	5.0 U	5.0 U	25 U	25 U	5.0 U
4-Chlorotoluene	106-43-4	5	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	108-10-1	NC	25 U	25 U	20 U	1.3 U	25 U	25 U	25 U	5.0 U	5.0 U	25 U	25 U	5.0 U
Acetone	67-64-1	50	25 U	25 U	40 U	2 U	25 U	25 U	25 U	10 U	10 U	25 U	25 U	10 U
Acrylonitrile	107-13-1	5	NA	NA	NA	0.55 U	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	71-43-2	1	**3.6 J**	**8.3**	4.0 U	0.47 J	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Bromobenzene	108-86-1	5	NA	NA	NA	0.15 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	74-97-5	5	NA	NA	NA	0.31 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4	50	5 U	5 U	4.0 U	0.18 U	5 U	5 U	5 U	1.0 UJ	1.0 UJ	5 U	5 U	1.0 UJ
Bromoform	75-25-2	50	5 U	5 U	4.0 U	0.38 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Bromomethane	74-83-9	5	5 U	5 U	4.0 U	1.5 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Carbon Disulfide	75-15-0	60	5 U	5 U	4.0 U	1.4 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Carbon Tetrachloride	56-23-5	5	5 U	5 U	4.0 U	0.16 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Chlorinated Fluorocarbon (freon 113)	76-13-1	5	5 U	5 U	4.0 U	NA	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Chlorobenzene	108-90-7	5	5 U	5 U	4.0 U	0.11 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Chlorobromomethane	74-97-5	5	5 U	5 U	NA	NA	5 U	5 U	NA	NA	NA	5 U	NA	NA
Chloroethane	75-00-3	5	5 U	5 U	4.0 U	0.32 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Chloroform	67-66-3	7	5 U	5 U	4.0 U	0.17 U	1.8 J	2.1 J	2.1 J	1.0 U	1.0 U	5 U	5 U	1.0 U
Chloromethane	74-87-3	5	5 U	5 U	4.0 U	0.52 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
cis-1,2-Dichloroethylene	156-59-2	5	**140**	**240 J**	**100**	**31**	3.7 J	3.6 J	3.6 J	1.2	1.2	5 U	5 U	1.0 U
cis-1,3-Dichloropropylene	10061-01-5	0.4	5 U	5 U	4.0 U	0.16 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Cyclohexane	110-82-7	NC	5 U	5 U	4.0 U	NA	5 UJ	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Dibromochloromethane	124-48-1	50	5 U	5 U	4.0 U	0.22 U	5 U	5 U	5 U	1.0 UJ	1.0 UJ	5 U	5 U	1.0 UJ
Dibromomethane	74-95-3	5	NA	NA	NA	0.35 U	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	75-71-8	5	5 U	5 U	4.0 U	0.19 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Diethyl Ether	60-29-7	NC	NA	NA	NA	0.18 U	NA	NA	NA	NA	NA	NA	NA	NA
Diisopropyl Ether (DIPE)	108-20-3	NC	NA	NA	NA	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	5 U	5 U	4.0 U	0.21 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Hexachlorobutadiene	87-68-3	0.5	NA	NA	NA	0.46 U	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	98-82-8	5	5 U	5 U	4.0 U	0.11 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
M,P-XYLENE	179601-23-1	NC	10 U	10 U	NA	0.46 U	10 U	10 U	10 U	NA	NA	10 U	10 U	NA
Methyl Acetate	79-20-9	NC	5 U	5 U	10 U	0.45 UJ	5 U	5 U	5 U	2.5 U	2.5 U	5 U	5 U	2.5 U
Methyl tert-Butyl ether	1634-04-4	10	5 U	5 U	4.0 U	0.17 U	5 U	5 U	5 U	1.0 U	1.0 U	1.1 J	1.3 J	1.0 U
Methylcylohexane	108-87-2	NC	5 U	5 U	4.0 U	0.24 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Methylene chloride	75-09-2	5	5 U	5 U	4.0 U	0.23 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Naphthalene	91-20-3	10	NA	NA	NA	0.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	104-51-8	5	NA	NA	NA	0.15 U	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	103-65-1	5	NA	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6	5	5 U	5 U	NA	0.23 U	5 U	5 U	5 U	NA	NA	5 U	5 U	NA
p-Isopropyltoluene (p-Cymene)	99-87-6	5	NA	NA	NA	0.097 U	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	135-98-8	5	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100-42-5	5	5 U	5 U	4.0 U	0.11 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
tert-Amyl Methyl Ether (TAME)	994-05-8	NC	NA	NA	NA	0.14 U	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butyl Alcohol (TBA)	75-65-0	NC	NA	NA	NA	4.7 U	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butyl Ethyl Ether (TBEE)	637-92-3	NC	NA	NA	NA	0.15 U	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5	NA	NA	NA	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	127-18-4	5	**390**	**600**	**120**	**94**	**54.5**	**120**	**120**	**45**	**42**	5 U	5 U	0.81 J
Tetrahydrofuran	109-99-9	50	NA	NA	NA	0.49 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	108-88-3	5	5 U	5 U	4.0 U	0.22 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Total TICs	NA	NC	ND	ND	8.0 U	NA	ND	ND	ND	2.0 U	2.0 U	ND	ND	2.0 U
trans-1,2-Dichloroethylene	156-60-5	5	**10.1**	**30.3**	**6.3**	**2.3**	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
trans-1,3-Dichloropropylene	10061-02-6	0.4	5 U	5 U	4.0 U	0.17 UJ	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
trans-1,4-Dichloro-2-butene	110-57-6	5	NA	NA	NA	1.6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene	79-01-6	5	**150**	**270**	**200**	**130**	2.9 J	3.3 J	J J	1.9	1.8	5 U	5 U	1.0 U
Trichlorofluoromethane	75-69-4	5	5 U	5 U	4.0 U	0.18 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Vinyl Chloride	75-01-4	2	**4.2 J**	5 U	4.0 U	**4.0**	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	1.0 U
Xylenes (total)	1330-20-7	5	NA	NA	8.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	NA	2.0 U

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] Monitoring well was decommissioned in November 2020 as part of the Former Farrell's Chevron Spill #8602108 closure.
Bold and Shaded - Exceedes New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values.
NC - No criteria exists, NA - Not Available/Analyzed, D - Sample diluted
U - Not Detected at the Detection Limit shown, J - Estimated value, UJ - Approximate Non-detect, JH - Estimated High, T - MS and/or MSD recovery exceeds control limits
Sample Type Code N = Normal
Sample Type Code FD = Field Duplicate

Table 5-8
Groundwater Sampling VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

	Location ID:	MW-23	MW-23	MW-23	MW-24	MW-24	MW-25	MW-25	MW-26	MW-26	MW-26
	Sample ID:	MW-23-050913	MW-23-091813	MW-23-030221	MW-24-121813	MW-24-030221	MW-25-121813	MW-25-030221	MW-26-093014	FD-3-093014	MW-26-030221
	Sample Date:	5/9/2013	9/18/2013	3/2/2021	12/18/2013	3/2/2021	12/18/2013	3/2/2021	9/30/2014	9/30/2014	3/2/2021
	Result Unit:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	Sample Type:	N	N	N	N	N	N	N	N	FD	N
Chemical Name	**CAS No.**	**TOGS[1]**									
1,1,1,2-Tetrachloroethane	630-20-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	1	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,1-Dichloroethane	75-34-3	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,1-Dichloroethylene	75-35-4	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,1-Dichloropropene	563-58-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	87-61-6	5	5 U	5 U	NA	1 U	NA	1 U	NA	5 U	NA
1,2,3-Trichloropropane	96-18-4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,2-Dibromoethane	106-93-4	0.0006	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,2-Dichlorobenzene	95-50-1	3	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,2-Dichloroethane	107-06-2	0.6	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,2-Dichloropropane	78-87-5	1	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,3,5-Trichlorobenzene	108-70-3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	3	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	NA	1.0 U
1,3-Dichloropropane	142-28-9	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	3	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
1,4-Dioxane	123-91-1	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	594-20-7	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	78-93-3	50	25 U	25 U	10 U	5 U	10 U	5 U	10 U	25 U	10 U
2-Chlorotoluene	95-49-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	591-78-6	50	25 UJ	25 U	5.0 U	5 U	5.0 U	5 U	5.0 U	25 U	5.0 U
4-Chlorotoluene	106-43-4	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	108-10-1	NC	25 U	25 U	5.0 U	5 U	5.0 U	5 U	5.0 U	25 U	5.0 U
Acetone	67-64-1	50	25 UJ	25 U	10 U	5 U	10 U	5 U	10 U	25 UJ	10 U
Acrylonitrile	107-13-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	71-43-2	1	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Bromobenzene	108-86-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	74-97-5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4	50	5 U	5 U	1.0 UJ	1 U	1.0 UJ	1 U	1.0 UJ	5 U	1.0 UJ
Bromoform	75-25-2	50	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Bromomethane	74-83-9	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Carbon Disulfide	75-15-0	60	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Carbon Tetrachloride	56-23-5	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Chlorinated Fluorocarbon (freon 113)	76-13-1	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Chlorobenzene	108-90-7	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Chlorobromomethane	74-97-5	5	5 U	5 U	NA	1 U	NA	1 U	NA	5 U	NA
Chloroethane	75-00-3	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Chloroform	67-66-3	7	0.7 J	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Chloromethane	74-87-3	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
cis-1,2-Dichloroethylene	156-59-2	5	**6.6**	4.8 J	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
cis-1,3-Dichloropropylene	10061-01-5	0.4	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Cyclohexane	110-82-7	NC	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Dibromochloromethane	124-48-1	50	5 U	5 U	1.0 UJ	1 U	1.0 UJ	1 U	1.0 UJ	5 U	1.0 UJ
Dibromomethane	74-95-3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	75-71-8	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Diethyl Ether	60-29-7	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diisopropyl Ether (DIPE)	108-20-3	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Hexachlorobutadiene	87-68-3	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	98-82-8	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
M,P-XYLENE	179601-23-1	NC	10 U	10 U	NA	2 U	NA	2 U	NA	10 U	10 U
Methyl Acetate	79-20-9	NC	5 U	5 U	2.5 U	1 U	2.5 U	1 U	2.5 U	5 U	5 U
Methyl tert-Butyl ether	1634-04-4	10	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Methylcyclohexane	108-87-2	NC	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Methylene chloride	75-09-2	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Naphthalene	91-20-3	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	104-51-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	103-65-1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6	5	5 U	5 U	NA	1 U	NA	1 U	NA	5 U	NA
p-Isopropyltoluene (p-Cymene)	99-87-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	135-98-8	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100-42-5	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
tert-Amyl Methyl Ether (TAME)	994-05-8	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butyl Alcohol (TBA)	75-65-0	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butyl Ethyl Ether (TBEE)	637-92-3	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	127-18-4	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.7
Tetrahydrofuran	109-99-9	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	108-88-3	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Total TICs	NA	NC	ND	ND	2.0 U	ND	2.0 U	ND	2.0 U	ND	2.0 U
trans-1,2-Dichloroethylene	156-60-5	5	1.2 J	0.66 J	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
trans-1,3-Dichloropropylene	10061-02-6	0.4	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 UJ	1.0 U
trans-1,4-Dichloro-2-butene	110-57-6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene	79-01-6	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Trichlorofluoromethane	75-69-4	5	5 U	5 U	1.0 U	1 U	1.0 U	1 U	1.0 U	5 U	1.0 U
Vinyl Chloride	75-01-4	2	**8.4**	**9.8**	1.0 U	1 U	1.0 U	1 U	1.0 U	5 UJ	1.0 U
Xylenes (total)	1330-20-7	5	NA	NA	2.0 U	NA	2.0 U	NA	2.0 U	NA	NA	2.0 U

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
[2] Monitoring well was decommissioned in November 2020 as part of the Former Farrell's Chevron Spill #8602108 closure.
Bold - Exceedes New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values.
NC - No criteria exists, NA - Not Available/Analyzed, D - Sample diluted
U - Not Detected at the Detection Limit shown, J - Estimated value, UJ - Approximate Non-detect, JH - Estimated High, T - MS and/or MSD recovery exceeds control limits
Sample Type Code N = Normal
Sample Type Code FD = Field Duplicate

Table 5-9
Groundwater Sampling SVOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

	Location ID:	MW-16S	MW-20	MW-20	MW-21	MW-21	MW-23
	Sample ID:	MW-16S-091713	MW-20-050913	FD-1-20130509	MW-21-091813	FD-1-091813	MW-23-050913
	Sample Date:	9/17/2013	5/9/2013	5/9/2013	9/18/2013	9/18/2013	5/9/2013
	Result Unit:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	Sample Type:	N	N	FD	N	FD	N
Chemical Name	**CAS No.**	**TOGS [1]**					
1,1'-Biphenyl	92-52-4	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	10 UJ	10.1 U	10 U	10.2 U	10.2 U	10 U
1,2-Benzphenanthracene (Chrysene)	218-01-9	0.002	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2,2'-oxybis(1-Chloropropane)	108-60-1	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2,4,5-Trichlorophenol	95-95-4	1	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2,4,6-Trichlorophenol	88-06-2	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2,4-Dichlorophenol	120-83-2	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2,4-Dimethylphenol	105-67-9	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2,4-Dinitrophenol	51-28-5	10	10 U	25 U	25 U	10.2 U	10.2 U	25 U
2,4-Dinitrotoluene	121-14-2	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2,6-Dinitrotoluene	606-20-2	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2-Chloronaphthalene	91-58-7	10	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2-Chlorophenol	95-57-8	1	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2-Methylnaphthalene	91-57-6	NC	10 U	4.1 J	10 U	10.2 U	10.2 U	10 U
2-Methylphenol	95-48-7	1	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2-Nitroaniline	88-74-4	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
2-Nitrophenol	88-75-5	1	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
3- and 4- Methylphenol (total)	MEPH3MEPH4	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
3,3'-Dichlorobenzidine	91-94-1	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
3-Nitroaniline	99-09-2	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
4,6-Dinitro-2-Methylphenol	534-52-1	1	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
4-Bromophenyl Phenyl Ether	101-55-3	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
4-chloro-3-Methylphenol	59-50-7	1	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
4-Chloroaniline	106-47-8	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
4-Nitroaniline	100-01-6	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
4-Nitrophenol	100-02-7	1	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Acenaphthene	83-32-9	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Acenaphthylene	208-96-8	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Acetophenone	98-86-2	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Anthracene	120-12-7	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Atrazine	1912-24-9	7.5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Benzaldehyde	100-52-7	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Benzo[a]anthracene	56-55-3	0.002	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Benzo[a]pyrene	50-32-8	0	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Benzo[b]fluoranthene	205-99-2	0.002	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Benzo[g,h,i]perylene	191-24-2	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Benzo[k]fluoranthene	207-08-9	0.002	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Benzyl Butyl Phthalate	85-68-7	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
bis(2-Chloroethoxy)Methane	111-91-1	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
bis(2-chloroethyl)ether	111-44-4	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
bis(2-Ethylhexyl)Phthalate	117-81-7	5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Caprolactam	105-60-2	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Carbazole	86-74-8	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Chlorophenols	58-90-2	NC	10 UJ	10.1 U	10 U	10.2 U	10.2 U	10 UJ
Dibenz[a,h]anthracene	53-70-3	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Dibenzofuran	132-64-9	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Diethyl Phthalate	84-66-2	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Dimethyl Phthalate	131-11-3	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
di-n-Butyl Phthalate	84-74-2	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
di-n-Octyl Phthalate	117-84-0	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Fluoranthene	206-44-0	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Fluorene	86-73-7	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Hexachlorobenzene	118-74-1	0.04	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Hexachlorobutadiene	87-68-3	0.5	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Hexachlorocyclopentadiene	77-47-4	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Hexachloroethane	67-72-1	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Isophorone	78-59-1	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Naphthalene	91-20-3	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Nitrobenzene	98-95-3	0.4	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
n-Nitroso-di-n-Propylamine	621-64-7	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
n-Nitrosodiphenylamine	86-30-6	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Pentachlorophenol	87-86-5	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Phenanthrene	85-01-8	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Phenol	108-95-2	NC	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Pyrene	129-00-0	50	10 U	10.1 U	10 U	10.2 U	10.2 U	10 U
Total TICs	NA	NC	177	118.7	94.2	142	149.6	96.5

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
- Exceedes New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values.
NC - No criteria exists, NA - Not available
U - Not Detected at the Detection Limit shown, J - Estimated value, UJ - Approximate Non-detect
Sample Type Code N = Normal
Sample Type Code FD = Field Duplicate

Table 5-10
Groundwater Sampling Inorganics Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

		Location ID:	MW-16S	MW-20	MW-20	MW-21	MW-21	MW-23
		Sample ID:	MW-16S-091713	MW-20-050913	FD-1	MW-21-091813	FD-1-091813	MW-23-050913
		Sample Date:	9/17/2013	5/9/2013	5/9/2013	9/18/2013	9/18/2013	5/9/2013
		Result Unit:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
		Sample Type:	N	N	FD	N	FD	N
Chemical Name	**CAS No.**	**TOGS [1]**						
Aluminum	7429-90-5	NC	48.6 J	26	30	34.6 J	22.6 J	56.8
Antimony	7440-36-0	3	25 U	12.5 U	12.5 U	25 U	25 U	12.5 U
Arsenic	7440-38-2	25	10 U	5 U	5 U	10 U	10 U	5 U
Barium	7440-39-3	1000	91.3	118 J	124 J	102 J	63 J	283 J
Beryllium	7440-41-7	3	3 U	1.5 U	1.5 U	3 U	3 U	1.5 U
Cadmium	7440-43-9	5	3 U	1.5 U	0.25 J	3 U	3 U	0.28 J
Calcium	7440-70-2	NC	81900	116000	120000	73700 J	44300 J	155000
Chromium	7440-47-3	50	5.56	2.5 UJ	2.5 UJ	5 U	5 U	15.8 J
Cobalt	7440-48-4	NC	15 U	7.5 U	7.5 U	15 U	15 U	7.5 U
Copper	7440-50-8	200	10 U	5 U	5 U	10 U	10 U	5 U
Cyanide	57-12-5	200	5 U	5 U	5 U	5 U	5 U	5 U
Iron	7439-89-6	300	37.1 J	11.6 J	11.2 J	50 U	50 U	**317**
Lead	7439-92-1	25	6 U	8.81	10.6	6 U	6 U	7.11
Magnesium	7439-95-4	35000	16600	10600	11100	21000 J	12700 J	16700
Manganese	7439-96-5	300	9.28 J	**737**	**751**	22.7 J	12.7 J	107
Nickel	7440-02-0	100	20 U	10 U	10 U	20 U	20 U	4.07 J
Potassium	7440-09-7	NC	2900	1780	2110	4400 J	2600 J	1380
Selenium	7782-49-2	10	10 U	5 U	4.84 J	10 U	10 U	4.13 J
Silver	7440-22-4	50	5 UJ	2.5 U	2.5 U	5 UJ	5 UJ	2.5 U
Sodium	7440-23-5	20000	**107400**	**84200**	**88400**	**92300 J**	**56600 J**	**234000**
Thallium	7440-28-0	0.5	20	10 U	10 U	20 UJ	20 UJ	10 U
Vanadium	7440-62-2	NC	20 U	10 U	10 U	20 U	20 U	10 U
Zinc	7440-66-6	2000	20 U	9.92 J	19.8	20 U	20 U	4.66 J
Mercury	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
- Exceedes New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values.
NC - No criteria exists
U - Not Detected at the Detection Limit shown, J - Estimated value, UJ - Approximate Non-detect
Sample Type Code N = Normal
Sample Type Code FD = Field Duplicate

Table 5-11
Groundwater Sampling PCB Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

	Location ID:		MW-16S	MW-20	MW-20	MW-21	MW-21	MW-23
	Sample ID:		MW-16S-091713	MW-20-050913	FD-1	MW-21-091813	FD-1-091813	MW-23-050913
	Sample Date:		9/17/2013	5/9/2013	5/9/2013	9/18/2013	9/18/2013	5/9/2013
	Result Unit:		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	Sample Type:		N	N	FD	N	FD	N
Chemical Name	**CAS No.**	**TOGS [1]**						
Aroclor-1016	12674-11-2	0.09	0.5 U	0.5 U	0.51 U	0.51 U	0.521 U	0.505 U
Aroclor-1221	11104-28-2	0.09	0.5 U	0.5 U	0.51 U	0.51 U	0.521 U	0.505 U
Aroclor-1232	11141-16-5	0.09	0.5 U	0.5 U	0.51 U	0.51 U	0.521 U	0.505 U
Aroclor-1242	53469-21-9	0.09	0.5 U	0.5 U	0.51 U	0.51 U	0.521 U	0.505 U
Aroclor-1248	12672-29-6	0.09	0.5 U	0.5 U	0.51 U	0.51 U	0.521 U	0.505 U
Aroclor-1254	11097-69-1	0.09	0.5 U	0.5 U	0.51 U	0.51 U	0.521 U	0.505 U
Aroclor-1260	11096-82-5	0.09	0.5 U	0.5 U	0.51 U	0.51 U	0.521 U	0.505 U

Notes:
All units in micrograms per liter (µg/L)
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- Exceedes New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values.
NC - No criteria exists
U - Not Detected at the Detection Limit shown, J - Estimated value, UJ - Approximate Non-detect
Sample Type Code N = Normal
Sample Type Code FD = Field Duplicate

Table 5-12
Groundwater Sampling Pesticides and Herbicides Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

		Location ID:	MW-16S	MW-20	MW-20	MW-21	MW-21	MW-23
		Sample ID:	MW-16S-091713	MW-20-050913	FD-1	MW-21-091813	FD-1-091813	MW-23-050913
		Sample Date:	9/17/2013	5/9/2013	5/9/2013	9/18/2013	9/18/2013	5/9/2013
		Result Unit:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
		Sample Type:	N	N	FD	N	FD	N
Chemical	**CAS No.**	**TOGS [1]**						
Pesticides								
4-4-DDD	72-54-8	0.3	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
4-4-DDE	72-55-9	0.2	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
4-4-DDT	50-29-3	0.2	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
a-BHC	319-84-6	0.01	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Aldrin	309-00-2	0	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
alpha-Chlordane	5103-71-9	NC	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
b-BHC	319-85-7	0.04	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
d-BHC	319-86-8	0.04	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Dieldrin	60-57-1	0.004	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Endosulfan I	959-98-8	NC	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Endosulfan II	33213-65-9	NC	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Endosulfan Sulfate	1031-07-8	NC	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Endrin	72-20-8	0	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Endrin Aldehyde	7421-93-4	5	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Endrin Ketone	53494-70-5	5	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Heptachlor	76-44-8	0.04	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Heptachlor Epoxide	1024-57-3	0.03	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Lindane	58-89-9	0.05	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Methoxychlor	72-43-5	35	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Toxaphene	8001-35-2	0.06	0.505 U	0.505 U	0.5 U	0.515 U	0.51 U	0.5 U
y-Chlordane	5103-74-2	NC	0.051 U	0.051 U	0.05 U	0.052 U	0.051 U	0.05 U
Herbicides								
2,4,5-T	93-76-5	35	2 U	2 U	2 U	2 U	2 U	2 UJ
2,4-D	94-75-7	50	2 U	2 U	2 U	2 U	2 U	2 U
2,4-DB	94-82-6	NC	2 U	2 U	2 U	2 U	2 U	2 U
Dicamba	1918-00-9	0.44	2 U	2 U	2 U	2 U	2 U	2 U
DICHLORPROP	120-36-5	NC	2 U	2 U	2 U	2 U	2 U	2 U
Dinoseb	88-85-7	1	2 U	2 U	2 U	2 U	2 U	2 U
Silvex	93-72-1	0.26	2 U	2 U	2 U	2 U	2 U	2 U

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
- Exceedes New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values.
NC - No criteria exists
U - Not Detected at the Detection Limit shown, J - Estimated value, UJ - Approximate Non-detect
Sample Type Code N = Normal
Sample Type Code FD = Field Duplicate

Table 5-13
Groundwater Sampling Microbial Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Location ID:	MW-19		MW-20	
Sample ID:	MW-19-112222		MW-20-112222	
Sample Date:	11/22/2022		11/22/2022	
Sample Type:	N		N	
Chemical	**copies/L[a]**	**% of Community[b]**	**copies/L[a]**	**% of Community[b]**
Metabolic Dechlorination				
Dhc - Dehalococcoides[c]	5 x 10^2 U	NA	5 x 10^2 U	NA
FGA- vcrA	5 x 10^2 U	NA	5 x 10^2 U	NA
FGA- bvcA	5 x 10^2 U	NA	5 x 10^2 U	NA
FGA- tceA	5 x 10^2 U	NA	5 x 10^2 U	NA
Dhb - Dehalobacter	5 x 10^2 U	NA	5 x 10^2 U	NA
cfrA/dcrA	5 x 10^2 U	NA	5 x 10^2 U	NA
Dhgm - Dehalogenimonas	5 x 10^2 U	NA	**1 x 10^5**	0.04 - 0.1
cerA - Dhgm VC - Reductase	5 x 10^2 U	NA	5 x 10^2 U	NA
Dsb - Desulfitobacterium	5 x 10^2 U	NA	5 x 10^2 U	NA
Dsm - Desulfuromonas	5 x 10^2 U	NA	5 x 10^2 U	NA
SSP - Sulfurospirillum	5 x 10^2 U	NA	5 x 10^2 U	NA
Dehalobium	5 x 10^2 U	NA	5 x 10^2 U	NA
Polaromonas	5 x 10^2 U	NA	**1 x 10^5**	0.03 - 0.09
Aerobic Cometabolic Degradation				
dhlA - Haloalkane dehalogenase	5 x 10^2 U	NA	5 x 10^2 U	NA
etnE - Epoxyalkane transferase	**2 x 10^3**	0.0002 - 0.0005	**2 x 10^3**	0.0005 - 0.002
sMMO- Soluble methane monooxygenase	**3 x 10^4**	0.003 - 0.008	**1 x 10^4**	0.003 - 0.008
pMMO- Particulate methane monooxygenas	5 x 10^2 U	NA	5 x 10^2 U	NA
TDO - Toluene dioxygenase	**9 x 10^3**	0.0009 - 0.003	**4 x 10^3**	0.001 - 0.003
PhMO - Phenol monooxygenase	**5 x 10^4**	0.005 - 0.02	**2 x 10^4**	0.006 - 0.02
TMO - Toluene monooxygenase	**5 x 10^4**	0.005 - 0.01	**2 x 10^4**	0.005 - 0.01
Microbial Groups				
Universal - Total bacteria	**3 x 10^7**	NA	**1 x 10^7**	NA
SRB - Sulfate reducing bacteria	**5 x 10^3 M**	0.0005 - 0.002	**6 x 10^2 J**	0.0002 - 0.0005
mcrA - Methanogens	5 x 10^2 U	NA	5 x 10^2 U	NA

Notes:
All units in copies per liter (copies/L)
Bold indicates microbe detected
[a] Target quantitation is subject to the variability of the method, this variability has been demonstrated to be +/- 60%.
[b] Percent target in microbial population. This value is calculated by dividing the number of target gene copies by the total number of bacteria as estimated by the mass of DNA extracted from the sample. Range represents normal variation in enumeration.
[c] Based on quantification of Dhc 16S rRNA gene copies. Dhc are generally reported to contain one 16S rRNA gene copy per cell; therefore, this number is often interpreted to represent the number of Dhc cells present in the sample.
U Not detected, associated value is the detection limit.
J The associated value is an estimated quantity between the detection limit and quantitation limit.
M Non-specific amplification was observed via melt curve analysis
Sample Type Code N = Normal
NA = not applicable

Table 5-14
Groundwater Sampling Additional Analyses Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

		Location ID:	MW-19	MW-20
		Sample ID:	MW-19-112222	MW-20-112222
		Sample Date:	11/22/2022	11/22/2022
		Result Unit:	mg/L	mg/L
		Sample Type:	N	N
Chemical	**CAS No.**	**TOGS [1]**		
Ethane	74-84-0	NC	0.0026 U	0.0026 U
Ethene	74-85-1	NC	0.0030 U	0.0030 U
Methane	74-82-8	NC	**0.0046 J**	**0.019**
Alkalinity	471-34-1	NC	**240**	**310**
Chloride	16887-00-6	250	**320 D**	**650 D**
Nitrate (as N)	14797-55-8	10	**10 D**	0.042 U
Sulfate	14808-79-8	250	**73 D**	**58 D**
Sulfide	18496-25-8	0.05	1.1 U	**1.4 J**
Total Organic Carbon (TOC)	TOC	NC	**6.1**	**3.1**
Iron	7439-89-6	0.3	0.019 U	0.019 U
Manganese	7439-96-5	0.3	**0.59**	**0.20**
Potassium	7440-09-7	NC	**4.6**	**3.3**
Sodium	7440-23-5	20	**210**	**380**

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

Units - milligrams per liter (mg/L)

NC - No criteria exists

mg/L - milligrams per liter

J - Estimated value

U - Not detected at the detection limit shown

Table 5-15
Sub-Slab and Indoor Air VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

								Partial SSDS Installed by OBG			
		Location ID:	334W					340W			
		Sample ID:	344W-AA-030613	334W-IA-030613	334W-SS-030613	334W-SSDUP-030613	NYSDOH Decision Matrix[a]	347W-AA-031113	340W-IA-031113	340W-SS-031113	NYSDOH Decision Matrix[a]
		Sample Date:	3/7/2013	3/7/2013	3/7/2013	3/7/2013		3/12/2013	3/12/2013	3/12/2013	
Chemical		Sample Type:	Ambient Air	Indoor Air	Sub-Slab	Sub-Slab Duplicate		Ambient Air	Indoor Air	Sub-Slab	
NYSDOH Matrix Compounds											
Trichloroethylene (TCE)[1]	79-01-6		0.16 UJ	0.16 UJ	0.16 UJ	0.38	NFA	0.38 J	3.76	4.73	**IRoM**
Carbon Tetrachloride (CCL_4)[1]	56-23-5		0.31 J	0.31	0.19 J	0.25	NFA	0.38 J	0.88 J	0.31 J	NFA
1,1-Dichloroethylene (DCE)[1]	75-35-4		0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	NFA	0.4 UJ	0.4 UJ	0.4 UJ	NFA
cis-1,2-Dichloroethene (cis-1,2-DCE)[1]	156-59-2		0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	NFA	0.4 UJ	1.63	0.4 UJ	**IRoM**
1,1,1-Trichloroethane (TCA)[2]	71-55-6		0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	NFA	0.16 UJ	0.38 J	0.33 J	NFA
Tetrachloroethene (PCE)[2]	127-18-4		2.24 J	1.42	7.46	7.46	NFA	1.08 J	29.8	286 D	**Mitigate**
Methylene Chloride[2]	75-09-2		5.91	0.83	2.36	1.42	NFA	0.35 UJ	0.35 UJ	6.95 U	NFA
Vinyl Chloride (VC)[3]	75-01-4		0.08 UJ	0.08 UJ	0.08 UJ	0.08 UJ	NFA	0.08 UJ	0.26 J	0.08 UJ	NFA
Other Compounds											
1,1,2,2-Tetrachloroethane	79-34-5		0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	NA	0.69 UJ	0.69 UJ	0.69 UJ	NA
1,1,2-Trichloroethane	79-00-5		0.55 UJ	0.55 UJ	0.55 UJ	0.55 UJ	NA	0.55 UJ	0.55 UJ	0.55 UJ	NA
1,2,4-Trichlorobenzene	120-82-1		0.74 UJ	0.74 UJ	0.74 UJ	0.74 UJ	NA	0.74 UJ	0.74 UJ	0.74 UJ	NA
1,2,4-Trimethylbenzene	95-63-6		0.49 UJ	1.23	0.49 UJ	0.64	NA	0.49 UJ	1.13 J	0.49 UJ	NA
1,1-Dichloroethane	75-34-3		0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	NA	0.4 UJ	0.4 UJ	0.4 UJ	NA
1,2-Dibromoethane	106-93-4		0.77 UJ	0.77 UJ	0.77 UJ	0.77 UJ	NA	0.77 UJ	0.77 UJ	0.77 UJ	NA
1,2-Dichlorobenzene	95-50-1		0.6 UJ	0.6 UJ	0.6 UJ	0.6 UJ	NA	0.6 UJ	0.6 UJ	0.6 UJ	NA
1,2-Dichloroethane	107-06-2		0.4 UJ	0.85 NJ	0.4 UJ	0.4 UJ	NA	0.4 UJ	0.4 UJ	0.4 UJ	NA
1,2-Dichloropropane	78-87-5		0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ	NA	0.46 UJ	0.46 UJ	0.46 UJ	NA
1,3,5-Trimethylbenzene	108-67-8		0.49 UJ	0.49 UJ	0.49 UJ	0.49 UJ	NA	0.49 UJ	0.49 UJ	0.49 UJ	NA
1,3-Butadiene	106-99-0		0.22 UJ	0.22 UJ	0.22 UJ	0.22 UJ	NA	0.22 UJ	0.22 UJ	0.22 UJ	NA
1,3-Dichlorobenzene	541-73-1		0.6 UJ	0.6 UJ	0.6 UJ	0.6 UJ	NA	0.6 UJ	0.6 UJ	0.6 UJ	NA
1,4-Dichlorobenzene	106-46-7		0.6 UJ	0.6 UJ	0.6 UJ	0.6 UJ	NA	0.6 UJ	0.6 UJ	0.6 UJ	NA
1,4-Dioxane	123-91-1		0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	NA	0.36 UJ	0.36 UJ	0.36 UJ	NA
2-Butanone	78-93-3		2.12	43.4	6.19 J	23.3 J	NA	2.86 UJ	1.56 UJ	3.54 U	NA
2-Chlorotoluene	95-49-8		0.52 UJ	0.52 UJ	0.52 UJ	0.52 UJ	NA	0.52 UJ	0.52 UJ	0.52 UJ	NA
2-Hexanone	591-78-6		NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Chloropropene	107-05-1		0.31 UJ	0.31 UJ	0.31 UJ	0.31 UJ	NA	0.31 UJ	0.31 UJ	0.31 UJ	NA
4-Ethyltoluene	622-96-8		0.49 UJ	0.49 UJ	0.49 UJ	0.49 UJ	NA	0.49 UJ	0.49 UJ	0.49 UJ	NA
4-Methyl-2-Pentanone	108-10-1		0.41 UJ	0.49	0.82 J	0.82	NA	0.82 J	0.53 J	0.45 J	NA
Acetone	67-64-1		4.99	90.5 D	17.1 J	53.2 J	NA	5.23 UJ	66.3 D	9.5 U	NA
Benzene	71-43-2		0.7 J	2.59	0.8 J	2.11 J	NA	1.02 J	0.67	0.54 J	NA
Benzyl Chloride	100-44-7		NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4		0.67 UJ	0.67 UJ	0.67 UJ	0.67 UJ	NA	0.67 UJ	0.67 UJ	0.67 UJ	NA
Bromoform	75-25-2		1.03 UJ	1.03 UJ	1.03 UJ	1.03 UJ	NA	1.03 UJ	1.03 UJ	1.03 UJ	NA
Bromomethane	74-83-9		0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	NA	0.39 UJ	0.39 UJ	0.39 UJ	NA
Carbon Disulfide	75-15-0		0.31 UJ	0.31 UJ	0.31 UJ	0.31 UJ	NA	0.31 UJ	0.31 UJ	1.74	NA
Chlorinated Fluorocarbon (freon 113)	76-13-1		0.38 J	0.38 J	0.38 J	0.38 J	NA	0.77 UJ	0.77 UJ	0.77 UJ	NA
Chlorobenzene	108-90-7		0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ	NA	0.46 UJ	0.46 UJ	0.46 UJ	NA
Chloroethane	75-00-3		0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	NA	0.26 UJ	0.26 UJ	0.26 UJ	NA
Chloroform	67-66-3		0.49 UJ	1.56	20 J	12.7 J	NA	0.49 UJ	7.81	19	NA
Chloromethane	74-87-3		0.81 U	2.48	0.33 UJ	1.32 J	NA	0.74 J	0.74 J	0.21 UJ	NA
cis-1,3-Dichloropropylene	10061-01-5		0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	NA	0.45 UJ	0.45 UJ	0.45 UJ	NA
Cyclohexane	110-82-7		0.34 UJ	2.31	0.34 UJ	1.55	NA	0.34 UJ	0.34 UJ	0.34 U	NA
Dibromochloromethane	124-48-1		0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	NA	0.85 UJ	0.85 UJ	0.85 UJ	NA
Dichlorodifluoromethane	75-71-8		1.29 NJ	1.43	1.38 J	1.38	NA	1.34 NJ	1.38 NJ	1.34 NJ	NA
Ethanol	64-17-5		NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Acetate	141-78-6		NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4		0.43 J	1.43	0.91 J	1.43 J	NA	1 J	1.35 J	1.04 J	NA
Freon 114	76-14-2		0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	NA	0.7 UJ	0.7 UJ	0.7 UJ	NA
Heptane	142-82-5		0.41 UJ	1.8	0.7 J	1.76 J	NA	0.7	0.61	1.02 J	NA
Hexachlorobutadiene	87-68-3		1.07 UJ	1.07 UJ	1.07 UJ	1.07 UJ	NA	1.07 UJ	1.07 UJ	1.07 UJ	NA
Hexane	110-54-3		0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ	NA	0.35 UJ	0.35 UJ	0.35 UJ	NA
Isooctane	540-84-1		0.47 UJ	0.47 UJ	0.47 UJ	1.03 J	NA	0.47 UJ	0.47 UJ	0.47 UJ	NA
Isopropyl Alcohol	67-63-0		NA	NA	NA	NA	NA	NA	NA	NA	NA
M,P-XYLENE	XYLMP		0.87 J	4.13	1.61 J	3.47 J	NA	2.08 J	3.47 J	3 J	NA
Methyl Methacrylate	80-62-6		0.41 UJ	0.41 UJ	0.41 UJ	0.41 UJ	NA	0.41 UJ	0.41 UJ	0.41 UJ	NA
Methyl tert-Butyl ether	1634-04-4		0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	NA	0.36 UJ	0.36 UJ	0.36 UJ	NA
Naphthalene	91-20-3		NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6		0.43 UJ	1.3	0.52 J	1.04 J	NA	0.65 J	1.17 J	0.96 J	NA
Propylene	115-07-1		NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100-42-5		0.43 UJ	1.96	0.43 UJ	0.77	NA	0.43 UJ	0.43 UJ	0.43 UJ	NA
tert-Butyl Alcohol	75-65-0		0.3 UJ	0.76 U	1.55 J	0.45 UJ	NA	0.3 UJ	0.3 UJ	0.3 UJ	NA
TETRAHYDROFURAN	109-99-9		0.29 UJ	42.5	1.59 J	20.6 J	NA	0.29 UJ	0.29 UJ	0.29 UJ	NA
Toluene	108-88-3		33.5	30.2	49	80.6 D	NA	44.1	52.8 D	71.2 D	NA
trans-1,2-Dichloroethylene	156-60-5		0.4 UJ	0.75	0.4 UJ	0.4 UJ	NA	0.4 UJ	0.4 UJ	0.4 UJ	NA
trans-1,3-Dichloropropylene	10061-02-6		0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	NA	0.45 UJ	0.45 UJ	0.45 UJ	NA
Trichlorofluoromethane	75-69-4		1.01	0.96	0.96 J	1.01	NA	1.01 J	1.07 J	1.18 J	NA
Vinyl Bromide (Bromoethene)	593-60-2		0.44 UJ	0.44 UJ	0.44 UJ	0.44 UJ	NA	0.44 UJ	0.44 UJ	0.44 UJ	NA
Vinyl Acetate	108-05-4		NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Note: Results are reported in units of micrograms per cubic meter (ug/m^3).

[a] NYSDOH vapor intrusion guidance (Oct 2006, updated May 2017) recommended actions based on the combination of sub-slab and corresponding indoor air concentrations

[1] - Soil Vapor/Indoor Air Matrix A

[2] - Soil Vapor/Indoor Air Matrix B

[3] - Soil Vapor/Indoor Air Matrix C

NA - Not available

J - Estimated value J+ - Estimated value, positive bias

U - Not detected at the Detection Limit shown

UJ - Not detected at the estimated detection limit shown

Identify - Take reasonable and practical actions to identify source(s) and reduce exposures

NFA - No further action as recommended by NYSDOH guidance.

IRoM - Reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges or mitigate.

PMIA - Post mitigation indoor air sampling

Table 5-15
Sub-Slab and Indoor Air VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

			Partial SSDS Installed by OBG			SSDS Installed by OBG						
		Location ID:	340W PMIA Sampling			341W PMIA Sampling			344W			NYSDOH Decision Matrix[a]
		Sample ID:	340W-AA-020216-01	340W-IA-020216-01	340W-IAD-020216-01	333R-AA-030314	341W-IA-030314	IAD-030314	344W-AA-030613	344W-IA-030613	344W-SS-030613	
		Sample Date:	2/2/2016	2/2/2016	2/2/2016	3/4/2014	3/4/2014	3/4/2014	3/7/2013	3/7/2013	3/7/2013	
Chemical		Sample Type:	Ambient Air	Basement Indoor Air	Basement Indoor Air (Duplicate)	Ambient Air	Indoor Air	Indoor Air Duplicate	Ambient Air	Indoor Air	Sub-Slab	
NYSDOH Matrix Compounds												
Trichloroethylene (TCE)[1]	79-01-6		0.16 U	0.7	0.38	0.16 U	0.21 J	0.16 U	0.16 UJ	0.75 J	0.16 UJ	NFA
Carbon Tetrachloride (CCl_4)[1]	56-23-5		0.5	0.57	0.63	0.38	0.5 J	0.5	0.31 J	0.69 J	0.25 J	NFA
1,1-Dichloroethylene (DCE)[1]	75-35-4		1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	0.4 UJ	0.4 UJ	0.4 UJ	NFA
cis-1,2-Dichloroethene (cis-1,2-DCE)[1]	156-59-2		1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	0.4 UJ	0.4 UJ	0.4 UJ	NFA
1,1,1-Trichloroethane (TCA)[2]	71-55-6		0.16 U	0.16 U	0.16 U	0.16 U	2.73 U	0.16 U	0.16 UJ	0.16 UJ	0.16 UJ	NFA
Tetrachloroethene (PCE)[2]	127-18-4		0.2 U	2.64	2.58	0.2	3.05 J	1.63	2.24 J	4.27	14.9	NFA
Methylene Chloride[2]	75-09-2		2.15	1.04 J	0.59 J	14.9 B	1.74 U	1.74 U	5.91	0.66 J	2.4	NFA
Vinyl Chloride (VC)[3]	75-01-4		0.08 U	0.08 U	0.08 U	0.08 U	1.28 U	0.08 U	0.08 UJ	0.08 UJ	0.08 UJ	NFA
Other Compounds												
1,1,2,2-Tetrachloroethane	79-34-5		3.43 U	3.43 U	3.43 U	3.43 U	3.43 U	3.43 U	0.69 UJ	0.69 UJ	0.69 UJ	NA
1,1,2-Trichloroethane	79-00-5		2.73 U	2.73 U	2.73 U	2.73 U	2.73 U	2.73 U	0.55 UJ	0.55 UJ	0.55 UJ	NA
1,2,4-Trichlorobenzene	120-82-1		3.71 U	3.71 U	3.71 U	3.71 U	3.71 U	3.71 U	0.74 UJ	0.74 UJ	0.74 UJ	NA
1,2,4-Trimethylbenzene	95-63-6		0.49 J	0.98 J	1.18 J	2.46 U	2.46 U	2.46 U	0.49 UJ	0.49 UJ	0.49 UJ	NA
1,1-Dichloroethane	75-34-3		2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	0.4 UJ	0.4 UJ	0.4 UJ	NA
1,2-Dibromoethane	106-93-4		3.84 U	3.84 U	3.84 U	3.84 U	3.84 U	3.84 U	0.77 UJ	0.77 UJ	0.77 UJ	NA
1,2-Dichlorobenzene	95-50-1		3.01 U	3.01 U	3.01 U	3.01 U	3.01 U	3.01 U	0.6 UJ	0.6 UJ	0.6 UJ	NA
1,2-Dichloroethane	107-06-2		2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U	0.4 UJ	1.46	0.4 UJ	NA
1,2-Dichloropropane	78-87-5		2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U	0.46 UJ	0.46 UJ	0.46 UJ	NA
1,3,5-Trimethylbenzene	108-67-8		2.46 U	2.46 U	2.46 U	2.46 U	2.46 U	2.46 U	0.49 UJ	0.49 UJ	0.49 UJ	NA
1,3-Butadiene	106-99-0		1.11 U	1.11 U	1.11 U	1.11 U	1.11 U	1.11 U	0.22 UJ	0.22 UJ	0.22 UJ	NA
1,3-Dichlorobenzene	541-73-1		3.01 U	3.01 U	3.01 U	3.01 U	3.01 U	3.01 U	0.6 UJ	0.6 UJ	0.6 UJ	NA
1,4-Dichlorobenzene	106-46-7		3.01 U	3.01 U	3.01 U	3.01 U	3.01 U	3.01 U	0.6 UJ	0.6 UJ	0.6 UJ	NA
1,4-Dioxane	123-91-1		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.36 UJ	0.36 UJ	0.36 UJ	NA
2-Butanone	78-93-3		1.74	1.06 J	1.8	0.59 J	5.01	4.42	2.12	4.13	2.95	NA
2-Chlorotoluene	95-49-8		2.59 U	2.59 U	2.59 U	2.59 U	2.59 U	2.59 U	0.52 UJ	0.52 UJ	0.52 UJ	NA
2-Hexanone	591-78-6		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Chloropropene	107-05-1		1.57 U	1.57 U	1.57 U	1.57 U	1.57 U	1.57 U	0.31 UJ	0.31 UJ	0.31 UJ	NA
4-Ethyltoluene	622-96-8		2.46 U	2.46 U	2.46 U	2.46 U	2.46 U	2.46 U	0.49 UJ	0.49 UJ	0.49 UJ	NA
4-Methyl-2-Pentanone	108-10-1		2.05 U	2.05 U	2.05 U	2.05 U	0.45 J	2.05 U	0.41 UJ	0.41 UJ	0.53 J	NA
Acetone	67-64-1		8.55	8.55	10.2	4.75	32.1 D	31.4	4.99	9.5	5.23	NA
Benzene	71-43-2		0.83 J	0.77 J	0.83 J	0.67 J	1.25 J	1.15 J	0.7 J	1.28 J	0.93 J	NA
Benzyl Chloride	100-44-7		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4		3.35 U	3.35 U	3.35 U	3.35 U	3.35 U	3.35 U	0.67 UJ	0.67 UJ	0.67 UJ	NA
Bromoform	75-25-2		5.17 U	5.17 U	5.17 U	5.17 U	5.17 U	5.17 U	1.03 UJ	1.03 UJ	1.03 UJ	NA
Bromomethane	74-83-9		1.94 U	1.94 U	1.94 U	1.94 U	1.94 U	1.94 U	0.39 UJ	0.39 UJ	0.39 UJ	NA
Carbon Disulfide	75-15-0		1.56 U	1.56 U	1.56 U	1.56 U	1.56 U	1.56 U	0.31 UJ	0.31 UJ	0.31 UJ	NA
Chlorinated Fluorocarbon (freon 113)	76-13-1		3.83 U	3.83 U	3.83 U	3.83 U	0.77 J	0.77 J	0.38 J	0.46 J	0.38 J	NA
Chlorobenzene	108-90-7		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.46 UJ	0.46 UJ	0.46 UJ	NA
Chloroethane	75-00-3		1.32 U	1.32 U	1.32 U	1.32 U	1.32 U	1.32 U	0.26 UJ	0.26 UJ	0.26 UJ	NA
Chloroform	67-66-3		2.44 U	2.25 J	2.34 J	2.44 U	0.63 J	0.59 J	0.49 UJ	1.71 J	0.49 UJ	NA
Chloromethane	74-87-3		1.05	0.91 J	1.22	1.03 U	1.07	1.05	0.81 U	0.41 J	0.21 UJ	NA
cis-1,3-Dichloropropylene	10061-01-5		2.27 U	2.27 U	2.27 U	2.27 U	2.27 U	2.27 U	0.45 UJ	0.45 UJ	0.45 UJ	NA
Cyclohexane	110-82-7		1.72 U	1.72 U	1.72 U	1.72 U	1.72 U	1.72 U	0.34 UJ	0.34 UJ	0.34 UJ	NA
Dibromochloromethane	124-48-1		4.26 U	4.26 U	4.26 U	4.26 U	4.26 U	4.26 U	0.85 UJ	0.85 UJ	0.85 UJ	NA
Dichlorodifluoromethane	75-71-8		2.97	3.26	1.34 J	2.97 NJ	2.52	3.07	1.29 NJ	1.29 J	1.19 NJ	NA
Ethanol	64-17-5		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Acetate	141-78-6		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4		1.26 J	1.82 J	2 J	2.17 U	4.78 J	1.26 J	0.43 J	0.43 UJ	0.78 J	NA
Freon 114	76-14-2		3.49 U	3.49 U	3.49 U	3.49 U	3.49 U	3.49 U	0.7 UJ	0.7 UJ	0.7 UJ	NA
Heptane	142-82-5		1.56 J	0.45 J	0.61 J	2.05 U	1.19 J	0.74 J	0.41 UJ	0.57 J	0.61 J	NA
Hexachlorobutadiene	87-68-3		5.33 U	5.33 U	5.33 U	5.33 U	5.33 U	5.33 U	1.07 UJ	1.07 UJ	1.07 UJ	NA
Hexane	110-54-3		1.76 U	1.76 U	1.76 U	1.76 U	1.76 U	1.76 U	0.35 UJ	0.35 UJ	0.35 UJ	NA
Isooctane	540-84-1		2.34 U	2.34 U	2.34 U	0.33 J	2.71	1.03 J	0.47 UJ	0.47 UJ	0.47 UJ	NA
Isopropyl Alcohol	67-63-0		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M,P-XYLENE	XYLMP		4.78	4.78	4.3 J	0.87 J	26.1 J	4.78 J	0.87 J	0.91 J	1.61 J	NA
Methyl Methacrylate	80-62-6		2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	0.41 UJ	0.41 UJ	0.41 UJ	NA
Methyl tert-Butyl ether	1634-04-4		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.36 UJ	0.36 UJ	0.36 UJ	NA
Naphthalene	91-20-3		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6		1.65 J	1.65 J	1.39 J	2.17 U	8.25 J	1.52 J	0.43 UJ	0.43 UJ	0.56 J	NA
Propylene	115-07-1		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100-42-5		2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	0.43 UJ	0.43 UJ	0.43 UJ	NA
tert-Butyl Alcohol	75-65-0		1.52 U	1.52 U	1.52 U	1.52 U	10.3 U	1.52 U	0.3 UJ	0.3 J	0.3 UJ	NA
TETRAHYDROFURAN	109-99-9		1.47 U	1.47 U	1.47 U	1.47 U	10	8.85	0.29 UJ	0.47 J	0.29 UJ	NA
Toluene	108-88-3		21.1	36.6	40.3	3.35	43 J	16.2 J	33.5	33.2	46.4	NA
trans-1,2-Dichloroethylene	156-60-5		1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U	0.4 UJ	0.4 UJ	0.4 UJ	NA
trans-1,3-Dichloropropylene	10061-02-6		2.27 U	2.27 U	2.27 U	2.27 U	2.27 U	2.27 U	0.45 UJ	0.45 UJ	0.45 UJ	NA
Trichlorofluoromethane	75-69-4		1.69 J	1.91 J	1.8 J	1.46 J	1.69 J	1.63 J	1.01	1.07 J	0.96 J	NA
Vinyl Bromide (Bromoethene)	593-60-2		2.19 U	2.19 U	2.19 U	2.19 U	2.19 U	2.19 U	0.44 UJ	0.44 UJ	0.44 UJ	NA
Vinyl Acetate	108-05-4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Note: Results are reported in units of micrograms per cubic meter (ug/m^3).
[a] NYSDOH vapor intrusion guidance (Oct 2006, updated May 2017) recommended actions based on the combination of sub-slab and corresponding indoor air concentrations
[1] - Soil Vapor/Indoor Air Matrix A
[2] - Soil Vapor/Indoor Air Matrix B
[3] - Soil Vapor/Indoor Air Matrix C
NA - Not available
J - Estimated value J+ - Estimated value, positive bias
U - Not detected at the Detection Limit shown
UJ - Not detected at the estimated detection limit shown
Identify - Take reasonable and practical actions to identify source(s) and reduce exposures
NFA - No further action as recommended by NYSDOH guidance.
IRoM - Reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges or mitigate.
PMIA - Post mitigation indoor air sampling

Table 5-15
Sub-Slab and Indoor Air VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

		Location ID:	345W				NYSDOH Decision Matrix[a]	347W			NYSDOH Decision Matrix[a]
		Sample ID:	345W-AA-031413	345W-IA-031413	345W-IADUP-031413	345W-SS-031413		347W-AA-031113	347W-IA-031113	347W-SS-031113	
		Sample Date:	3/15/2013	3/15/2013	3/15/2013	3/15/2013		3/12/2013	3/12/2013	3/12/2013	
Chemical		Sample Type:	Ambient Air	Indoor Air	Indoor Air Duplicate	Sub-Slab		Ambient Air	Indoor Air	Sub-Slab	
NYSDOH Matrix Compounds											
Trichloroethylene (TCE)[1]	79-01-6		0.16 UJ	1.83 J	1.93 J	0.75 J	**IRoM**	0.38 J	0.81 J	0.48 J	NFA
Carbon Tetrachloride (CCL_4)[1]	56-23-5		0.38 J	0.44 J	0.38 J	3.15	NFA	0.38 J	0.38 J	0.44 J	NFA
1,1-Dichloroethylene (DCE)[1]	75-35-4		0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	NFA	0.4 UJ	0.4 UJ	0.4 UJ	NFA
cis-1,2-Dichloroethene (cis-1,2-DCE)[1]	156-59-2		0.4 UJ	0.87 J	0.87 J	0.32 J	NFA	0.4 UJ	0.4 UJ	0.4 UJ	NFA
1,1,1-Trichloroethane (TCA)[2]	71-55-6		0.16 UJ	0.16 UJ	0.16 UJ	0.55 J	NFA	0.16 UJ	0.16 UJ	0.16 UJ	NFA
Tetrachloroethene (PCE)[2]	127-18-4		0.41	12.9	14.2	27.1	IRoM	1.08 J	3.05 J	6.71	NFA
Methylene Chloride[2]	75-09-2		0.35 UJ	0.35 UJ	0.35 UJ	6.95 U	NFA	0.35 UJ	0.9 U	7.64 U	NFA
Vinyl Chloride (VC)[3]	75-01-4		0.08 UJ	0.15 J	0.15 NJ	0.08 UJ	NFA	0.08 UJ	0.08 UJ	0.08 UJ	NFA
Other Compounds											
1,1,2,2-Tetrachloroethane	79-34-5		0.69 UJ	0.69 UJ	0.69 UJ	0.69 UJ	NA	0.69 UJ	0.69 UJ	0.69 UJ	NA
1,1,2-Trichloroethane	79-00-5		0.55 UJ	0.55 UJ	0.55 UJ	0.55 UJ	NA	0.55 UJ	0.55 UJ	0.55 UJ	NA
1,2,4-Trichlorobenzene	120-82-1		0.74 UJ	0.74 UJ	0.74 UJ	0.74 UJ	NA	0.74 UJ	0.74 UJ	0.74 UJ	NA
1,2,4-Trimethylbenzene	95-63-6		0.49 UJ	0.69 J	0.49 UJ	0.49 UJ	NA	0.49 UJ	3.39	0.49 UJ	NA
1,1-Dichloroethane	75-34-3		0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	NA	0.4 UJ	0.4 UJ	0.4 UJ	NA
1,2-Dibromoethane	106-93-4		0.77 UJ	0.77 UJ	0.77 UJ	0.77 UJ	NA	0.77 UJ	0.77 UJ	0.77 UJ	NA
1,2-Dichlorobenzene	95-50-1		0.6 UJ	0.6 UJ	0.6 UJ	0.6 UJ	NA	0.6 UJ	0.6 UJ	0.6 UJ	NA
1,2-Dichloroethane	107-06-2		0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	NA	0.4 UJ	1.54 U	0.73 J	NA
1,2-Dichloropropane	78-87-5		0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ	NA	0.46 UJ	0.46 UJ	0.46 UJ	NA
1,3,5-Trimethylbenzene	108-67-8		0.49 UJ	0.49 UJ	0.49 UJ	0.49 UJ	NA	0.49 UJ	1.18 J	0.49 UJ	NA
1,3-Butadiene	106-99-0		0.22 UJ	0.22 UJ	0.22 UJ	0.22 UJ	NA	0.22 UJ	0.22 UJ	0.22 UJ	NA
1,3-Dichlorobenzene	541-73-1		0.6 UJ	0.6 UJ	0.6 UJ	0.6 UJ	NA	0.6 UJ	0.6 UJ	0.6 UJ	NA
1,4-Dichlorobenzene	106-46-7		0.6 UJ	0.6 UJ	0.6 UJ	0.6 UJ	NA	0.6 UJ	0.6 UJ	0.6 UJ	NA
1,4-Dioxane	123-91-1		0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	NA	0.36 UJ	0.36 UJ	0.36 UJ	NA
2-Butanone	78-93-3		1.03 UJ	11.5	11.8	5.6	NA	2.86 UJ	28.3	3.83 U	NA
2-Chlorotoluene	95-49-8		0.52 UJ	0.52 UJ	0.52 UJ	0.52 UJ	NA	0.52 UJ	0.52 UJ	0.52 UJ	NA
2-Hexanone	591-78-6		NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Chloropropene	107-05-1		0.31 UJ	0.31 UJ	0.31 UJ	0.31 UJ	NA	0.31 UJ	0.31 UJ	0.31 UJ	NA
4-Ethyltoluene	622-96-8		0.49 UJ	0.49 UJ	0.49 UJ	0.49 UJ	NA	0.49 UJ	0.98	0.49 UJ	NA
4-Methyl-2-Pentanone	108-10-1		0.41 UJ	0.41 UJ	0.41 UJ	0.41 UJ	NA	0.82 J	1.31 J	0.7 J	NA
Acetone	67-64-1		2.61 UJ	56.5 D	62.2 D	39 D	NA	5.23 UJ	427 D	18	NA
Benzene	71-43-2		0.7 J	5.11	5.43	3.51	NA	1.02 J	4.79	0.67 J	NA
Benzyl Chloride	100-44-7		NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4		0.67 UJ	0.67 UJ	0.67 UJ	0.67 UJ	NA	0.67 UJ	0.67 UJ	0.67 UJ	NA
Bromoform	75-25-2		1.03 UJ	1.03 UJ	1.03 UJ	1.03 UJ	NA	1.03 UJ	1.03 UJ	1.03 UJ	NA
Bromomethane	74-83-9		0.39 UJ	0.39 UJ	0.39 UJ	0.39 UJ	NA	0.39 UJ	0.39 UJ	0.39 UJ	NA
Carbon Disulfide	75-15-0		0.31 UJ	0.31 UJ	0.31 UJ	0.84 J	NA	0.31 UJ	0.31 UJ	0.31 UJ	NA
Chlorinated Fluorocarbon (freon 113)	76-13-1		0.38 J	0.38 J	0.38 J	0.38 J	NA	0.77 UJ	0.77 UJ	0.77 UJ	NA
Chlorobenzene	108-90-7		0.46 UJ	0.46 UJ	0.46 UJ	0.46 UJ	NA	0.46 UJ	0.46 UJ	0.46 UJ	NA
Chloroethane	75-00-3		0.26 UJ	0.26 UJ	0.26 UJ	0.26 UJ	NA	0.26 UJ	0.26 UJ	0.26 UJ	NA
Chloroform	67-66-3		0.49 UJ	3.52	3.81	6.84	NA	0.49 UJ	3.08	4	NA
Chloromethane	74-87-3		0.72 NJ	2.07	2.07	0.95 U	NA	0.74 J	0.21 UJ	0.21 UJ	NA
cis-1,3-Dichloropropylene	10061-01-5		0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	NA	0.45 UJ	0.45 UJ	0.45 UJ	NA
Cyclohexane	110-82-7		0.34 UJ	2.13	2.17	3.79	NA	0.34 UJ	2.62	0.34 UJ	NA
Dibromochloromethane	124-48-1		0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	NA	0.85 UJ	0.85 UJ	0.85 UJ	NA
Dichlorodifluoromethane	75-71-8		1.38 NJ	1.24 J	1.38 J	1.58 NJ	NA	1.34 NJ	1.09 J	0.74 NJ	NA
Ethanol	64-17-5		NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Acetate	141-78-6		NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4		0.43 UJ	4.34 J	3.87 J	3.65 J	NA	1 J	5.65	1.74 J	NA
Freon 114	76-14-2		0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	NA	0.7 UJ	0.7 UJ	0.7 UJ	NA
Heptane	142-82-5		0.41 UJ	5.74	5.33	3.16	NA	0.7	4.1	0.74 J	NA
Hexachlorobutadiene	87-68-3		1.07 UJ	1.07 UJ	1.07 UJ	1.07 UJ	NA	1.07 UJ	1.07 UJ	1.07 UJ	NA
Hexane	110-54-3		0.35 UJ	3.88	3.52	9.87	NA	0.35 UJ	10.9	1.13 NJ	NA
Isooctane	540-84-1		0.47 UJ	10.7	11.2	10.7	NA	0.47 UJ	5.14	0.47 UJ	NA
Isopropyl Alcohol	67-63-0		NA	NA	NA	NA	NA	NA	NA	NA	NA
M,P-XYLENE	XYLMP		0.87 UJ	12.2 J	10.4 J	9.12 J	NA	2.08 J	18.7	3.82 J	NA
Methyl Methacrylate	80-62-6		0.41 UJ	0.41 UJ	0.41 UJ	0.41 UJ	NA	0.41 UJ	0.41 UJ	0.41 UJ	NA
Methyl tert-Butyl ether	1634-04-4		0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	NA	0.36 UJ	0.36 UJ	0.36 UJ	NA
Naphthalene	91-20-3		NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6		0.43 UJ	4 J	3.39 J	3.08 J	NA	0.65 J	5.65	1.17 J	NA
Propylene	115-07-1		NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100-42-5		0.43 UJ	1.75 J	0.6 J	0.77 J	NA	0.43 UJ	0.43 UJ	0.43 UJ	NA
tert-Butyl Alcohol	75-65-0		0.3 UJ	0.3 UJ	0.3 UJ	0.3 UJ	NA	0.3 UJ	0.3 UJ	0.3 UJ	NA
TETRAHYDROFURAN	109-99-9		0.29 UJ	3.54	3.54	0.29 UJ	NA	0.29 UJ	0.29 UJ	0.29 UJ	NA
Toluene	108-88-3		10.6	47.9 D	46 D	50.1 D	NA	44.1	76.9 D	125 D	NA
trans-1,2-Dichloroethylene	156-60-5		0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	NA	0.4 UJ	0.4 UJ	0.4 UJ	NA
trans-1,3-Dichloropropylene	10061-02-6		0.45 UJ	0.45 UJ	0.45 UJ	0.45 UJ	NA	0.45 UJ	0.45 UJ	0.45 UJ	NA
Trichlorofluoromethane	75-69-4		0.9 J	0.9 J	0.96 J	1.01 J	NA	1.01 J	1.01 J	1.07 J	NA
Vinyl Bromide (Bromoethene)	593-60-2		0.44 UJ	0.44 UJ	0.44 UJ	0.44 UJ	NA	0.44 UJ	0.44 UJ	0.44 UJ	NA
Vinyl Acetate	108-05-4		NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Note: Results are reported in units of micrograms per cubic meter (ug/m^3).

[a] NYSDOH vapor intrusion guidance (Oct 2006, updated May 2017) recommended actions based on the combination of sub-slab and corresponding indoor air concentrations

[1] - Soil Vapor/Indoor Air Matrix A

[2] - Soil Vapor/Indoor Air Matrix B

[3] - Soil Vapor/Indoor Air Matrix C

NA - Not available

J - Estimated value J+ - Estimated value, positive bias

U - Not detected at the Detection Limit shown

UJ - Not detected at the estimated detection limit shown

Identify - Take reasonable and practical actions to identify source(s) and reduce exposures

NFA - No further action as recommended by NYSDOH guidance.

IRoM - Reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges or mitigate.

PMIA - Post mitigation indoor air sampling

Table 5-15
Sub-Slab and Indoor Air VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

								SSDS Installed by Others			
		Location ID:	351W				463R		467R		
		Sample ID:	345W-AA-031413	351W-IA-031413	351W-SS-031413	NYSDOH Decision Matrix[a]	333R-AA-030314	463R-IA-030314	AMBIENT-091913	DOGGROOMER-091913	467-IA-030314
		Sample Date:	3/15/2013	3/15/2013	3/15/2013		3/4/2014	3/4/2014	9/20/2013	9/20/2013	3/4/2014
Chemical		Sample Type:	Ambient Air	Indoor Air	Sub-Slab		Ambient Air	Indoor Air	Ambient Air	Indoor Air	Indoor Air
NYSDOH Matrix Compounds											
Trichloroethylene (TCE)[1]	79-01-6		0.16 UJ	0.16 UJ	1.18 J	NFA	0.16 U	2.69 U	0.21 J	1.18 J	0.16 U
Carbon Tetrachloride (CCl_4)[1]	56-23-5		0.38 J	0.44 J	0.44	NFA	0.38	0.5 J	0.44 J	1.2 J	0.44
1,1-Dichloroethylene (DCE)[1]	75-35-4		0.4 UJ	0.4 UJ	0.4 UJ	NFA	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U
cis-1,2-Dichloroethene (cis-1,2-DCE)[1]	156-59-2		0.4 UJ	0.4 UJ	0.4 UJ	NFA	1.98 U	1.98 U	1.98 U	0.52 J	1.98 U
1,1,1-Trichloroethane (TCA)[2]	71-55-6		0.16 UJ	0.16 UJ	0.16 UJ	NFA	0.16 U	2.73 U	2.73 U	2.73 U	0.16 U
Tetrachloroethene (PCE)[2]	127-18-4		0.41	4.95	23.1	NFA	0.2	9.49	1.76 J	54.2	1.15
Methylene Chloride[2]	75-09-2		0.35 UJ	0.35 UJ	5.91 U	NFA	14.9 B	1.74 U	2.01 U	3.47 U	1.91 U
Vinyl Chloride (VC)[3]	75-01-4		0.08 UJ	0.08 UJ	0.08 UJ	NFA	0.08 U	1.28 U	1.28 U	1.28 U	0.08 U
Other Compounds											
1,1,2,2-Tetrachloroethane	79-34-5		0.69 UJ	0.69 UJ	0.69 UJ	NA	3.43 U	3.43 U	3.43 U	3.43 U	3.43 U
1,1,2-Trichloroethane	79-00-5		0.55 UJ	0.55 UJ	0.55 UJ	NA	2.73 U	2.73 U	2.73 U	2.73 U	2.73 U
1,2,4-Trichlorobenzene	120-82-1		0.74 UJ	0.74 UJ	0.74 UJ	NA	3.71 U	3.71 U	3.71 U	3.71 U	3.71 U
1,2,4-Trimethylbenzene	95-63-6		0.49 UJ	1.52 J	0.54 J	NA	2.46 U	0.79 J	0.54 J	1.38 J	2.46 U
1,1-Dichloroethane	75-34-3		0.4 UJ	0.4 UJ	0.4 UJ	NA	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U
1,2-Dibromoethane	106-93-4		0.77 UJ	0.77 UJ	0.77 UJ	NA	3.84 U	3.84 U	3.84 U	3.84 U	3.84 U
1,2-Dichlorobenzene	95-50-1		0.6 UJ	0.6 UJ	0.6 UJ	NA	3.01 U	3.01 U	3.01 U	3.01 U	3.01 U
1,2-Dichloroethane	107-06-2		0.4 UJ	1.17 J	0.4 UJ	NA	2.02 U	2.02 U	2.02 U	2.02 U	2.02 U
1,2-Dichloropropane	78-87-5		0.46 UJ	0.46 UJ	0.46 UJ	NA	2.31 U	2.31 U	2.31 U	2.31 U	2.31 U
1,3,5-Trimethylbenzene	108-67-8		0.49 UJ	0.49 UJ	0.49 UJ	NA	2.46 U	2.46 U	2.46 U	2.46 U	2.46 U
1,3-Butadiene	106-99-0		0.22 UJ	0.22 UJ	0.22 UJ	NA	1.11 U	1.11 U	1.11 U	1.11 U	1.11 U
1,3-Dichlorobenzene	541-73-1		0.6 UJ	0.6 UJ	0.6 UJ	NA	3.01 U	3.01 U	3.01 U	3.01 U	3.01 U
1,4-Dichlorobenzene	106-46-7		0.6 UJ	0.6 UJ	0.6 UJ	NA	3.01 U	3.01 U	3.01 U	3.01 U	3.01 U
1,4-Dioxane	123-91-1		0.36 UJ	0.36 UJ	0.36 UJ	NA	1.8 U	1.8 U	1.8 UQ	1.8 UQ	1.8 U
2-Butanone	78-93-3		1.03 UJ	8.55	5.01	NA	0.59 J	1.36 J	0.91 J	8.85	0.97 J
2-Chlorotoluene	95-49-8		0.52 UJ	0.52 UJ	0.52 UJ	NA	2.59 U	2.59 U	2.59 U	2.59 U	2.59 U
2-Hexanone	591-78-6		NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Chloropropene	107-05-1		0.31 UJ	0.31 UJ	0.31 UJ	NA	1.57 U	1.57 U	1.57 U	1.57 U	1.57 U
4-Ethyltoluene	622-96-8		0.49 UJ	0.64 J	0.49 UJ	NA	2.46 U	0.74 J	2.46 U	2.46 U	2.46 U
4-Methyl-2-Pentanone	108-10-1		0.41 UJ	0.86 J	0.57 J	NA	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	67-64-1		2.61 UJ	33.3	9.98 U	NA	4.75	8.08	15.7	133 D	5.7
Benzene	71-43-2		0.7 J	6.71	1.6	NA	0.67 J	1.12 J	0.7 J	1.02 J	0.89 J
Benzyl Chloride	100-44-7		NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4		0.67 UJ	0.67 UJ	0.67 UJ	NA	3.35 U	3.35 U	3.35 U	3.35 U	3.35 U
Bromoform	75-25-2		1.03 UJ	1.03 UJ	1.03 UJ	NA	5.17 U	5.17 U	5.17 U	5.17 U	5.17 U
Bromomethane	74-83-9		0.39 UJ	0.39 UJ	0.39 UJ	NA	1.94 U	1.94 U	1.94 U	1.94 U	1.94 U
Carbon Disulfide	75-15-0		0.31 UJ	0.31 UJ	0.78 J	NA	1.56 U	1.56 U	1.56 U	1.56 U	1.56 U
Chlorinated Fluorocarbon (freon 113)	76-13-1		0.38 J	0.38 J	0.46 J	NA	3.83 U	0.84 J	3.83 U	3.83 U	0.77 J
Chlorobenzene	108-90-7		0.46 UJ	0.46 UJ	0.46 UJ	NA	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Chloroethane	75-00-3		0.26 UJ	0.26 UJ	0.26 UJ	NA	1.32 U	1.32 U	1.32 U	1.32 U	1.32 U
Chloroform	67-66-3		0.49 UJ	1.17 J	3.91	NA	2.44 U	2.44 U	2.44 U	20	1.17 J
Chloromethane	74-87-3		0.72 NJ	3.72	0.21 UJ	NA	1.03 U	1.18 U	0.95 J	1.03 U	1.01 NJ
cis-1,3-Dichloropropylene	10061-01-5		0.45 UJ	0.45 UJ	0.45 UJ	NA	2.27 U	2.27 U	2.27 U	2.27 U	2.27 U
Cyclohexane	110-82-7		0.34 UJ	0.59 J	0.48 J	NA	1.72 U	1.72 U	1.72 U	0.34 J	1.72 U
Dibromochloromethane	124-48-1		0.85 UJ	0.85 UJ	0.85 UJ	NA	4.26 U	4.26 U	4.26 U	4.26 U	4.26 U
Dichlorodifluoromethane	75-71-8		1.38 NJ	1.38 J	1.24 NJ	NA	2.97 NJ	3.26	1.63 J	1.63 J	2.97
Ethanol	64-17-5		NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Acetate	141-78-6		NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4		0.43 UJ	6.08 J	1.91 J	NA	2.17 U	9.12	1.3 J	1.35 J	1.48 J
Freon 114	76-14-2		0.7 UJ	0.7 UJ	0.7 UJ	NA	3.49 U	3.49 U	3.49 U	3.49 U	3.49 U
Heptane	142-82-5		0.41 UJ	2.13	0.41 UJ	NA	2.05 U	1.48 J	1.15 J	1.68 J	41.4
Hexachlorobutadiene	87-68-3		1.07 UJ	1.07 UJ	1.07 UJ	NA	5.33 U	5.33 U	5.33 U	5.33 U	5.33 U
Hexane	110-54-3		0.35 UJ	0.35 UJ	0.35 UJ	NA	1.76 U	1.76 U	7.75	13.4 NJ	1.76 U
Isooctane	540-84-1		0.47 UJ	0.47 UJ	0.47 UJ	NA	0.33 J	4.67	0.84 J	0.89 J	2.34 U
Isopropyl Alcohol	67-63-0		NA	NA	NA	NA	NA	NA	NA	NA	NA
M,P-XYLENE	XYLMP		0.87 UJ	18.2 J	7.82 J	NA	0.87 J	73.4	10.4	3.3 J	11.3
Methyl Methacrylate	80-62-6		0.41 UJ	0.41 UJ	0.41 UJ	NA	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Methyl tert-Butyl ether	1634-04-4		0.36 UJ	0.36 UJ	0.36 UJ	NA	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Naphthalene	91-20-3		NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6		0.43 UJ	4.78 J	2.52 J	NA	2.17 U	26.5	2.69	1.43 J	4.13
Propylene	115-07-1		NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100-42-5		0.43 UJ	1.75 J	0.43 UJ	NA	2.13 U	0.77 J	2.13 U	2.13 U	2.13 U
tert-Butyl Alcohol	75-65-0		0.3 UJ	0.3 UJ	0.3 UJ	NA	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
TETRAHYDROFURAN	109-99-9		0.29 UJ	0.29 UJ	0.29 UJ	NA	1.47 U	1.47 U	1.47 U	1.12 J	1.47 U
Toluene	108-88-3		10.6	69 D	42.6 D	NA	3.35	47.5 D	6.03	9.04	19.2
trans-1,2-Dichloroethylene	156-60-5		0.4 UJ	0.4 UJ	0.4 UJ	NA	1.98 U	1.98 U	1.98 U	1.98 U	1.98 U
trans-1,3-Dichloropropylene	10061-02-6		0.45 UJ	0.45 UJ	0.45 UJ	NA	2.27 U	2.27 U	2.27 U	2.27 U	2.27 U
Trichlorofluoromethane	75-69-4		0.9 J	1.12 J	1.01 J	NA	1.46 J	1.8 J	1.46 J	1.46 J	1.46 J
Vinyl Bromide (Bromoethene)	593-60-2		0.44 UJ	0.44 UJ	0.44 UJ	NA	2.19 U	2.19 U	2.19 U	2.19 U	2.19 U
Vinyl Acetate	108-05-4		NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Note: Results are reported in units of micrograms per cubic meter (ug/m^3).
[a] NYSDOH vapor intrusion guidance (Oct 2006, updated May 2017) recommended actions based on the combination of sub-slab and corresponding indoor air concentrations
[1] - Soil Vapor/Indoor Air Matrix A
[2] - Soil Vapor/Indoor Air Matrix B
[3] - Soil Vapor/Indoor Air Matrix C
NA - Not available
J - Estimated value J+ - Estimated value, positive bias
U - Not detected at the Detection Limit shown
UJ - Not detected at the estimated detection limit shown
Identify - Take reasonable and practical actions to identify source(s) and reduce exposures
NFA - No further action as recommended by NYSDOH guidance.
IRoM - Reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges or mitigate.
PMIA - Post mitigation indoor air sampling

Table 5-15
Sub-Slab and Indoor Air VOC Data Summary
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

		Location ID:	347A					347A				
		Sample ID:	PD-IA-01-020822	PD-DUP1-020822	PS-SS-01-020822	PD-AA1-020822	NYSDOH Decision Matrix[a]	PD-IA01-022023	PD-SS01-022023	PD-DUP1-022023	PD-AA01-022023	NYSDOH Decision Matrix[a]
		Sample Date:	2/8/2022	2/8/2022	2/8/2022	2/8/2022		2/21/2023	2/21/2023	2/21/2023	2/21/2023	
Chemical		Sample Type:	Indoor Air	Indoor Air	Sub-Slab	Ambient Air		Indoor Air	Sub-Slab	Sub-Slab	Ambient Air	
NYSDOH Matrix Compounds												
Trichloroethylene (TCE)[1]	79-01-6		0.78	0.81	17	0.19 U	**Monitor**	0.41 D	15 D	10 D	0.19 U	**Monitor**
Carbon Tetrachloride (CCl_4)[1]	56-23-5		0.43	0.48	0.97	0.45	NFA	0.61 D	1.3 D	1.0 D	0.57 D	NFA
1,1-Dichloroethylene (DCE)[1]	75-35-4		0.14 U	0.14 U	0.4 U	0.14 U	NFA	0.14 U	0.4 U	0.4 U	0.14 U	NFA
cis-1,2-Dichloroethene (cis-1,2-DCE)[1]	156-59-2		0.33	0.29	1.1	0.14 U	NFA	0.15 D	0.52 D	0.37 JD	0.14 U	NFA
1,1,1-Trichloroethane (TCA)[2]	71-55-6		0.19 U	0.19 U	0.55 U	0.19 U	NFA	0.20 D	0.55 U	0.55 U	0.19 U	NFA
Tetrachloroethene (PCE)[2]	127-18-4		2.5	2.5	94	0.24 U	NFA	5.7 D	83 D	55 D	1.2 D	NFA
Methylene Chloride[2]	75-09-2		2.1	2	3.5 U	1.2 U	NFA	2.3 D	3.5 U	3.5 U	0.67 JD	NFA
Vinyl Chloride (VC)[3]	75-01-4		0.089 U	0.089 U	0.26 U	0.089 U	NFA	0.089 U	0.26 U	0.26 U	0.089 U	NFA
Other Compounds												
1,1,2,2-Tetrachloroethane	79-34-5		0.24 U	0.24 U	0.69 U	0.24 U	NA	0.24 U	0.69 U	0.69 U	0.24 U	NA
1,1,2-Trichloroethane	79-00-5		0.19 U	0.19 U	0.55 U	0.19 U	NA	0.19 U	0.55 U	0.55 U	0.19 U	NA
1,2,4-Trichlorobenzene	120-82-1		0.52 UJ	0.52 UJ	1.5 UJ	0.52 UJ	NA	0.26 U	0.74 U	0.74 U	0.26 U	NA
1,2,4-Trimethylbenzene	95-63-6		0.51	0.48	0.32 J	0.36	NA	0.32 D	0.80 D	0.63 D	0.15 JD	NA
1,1-Dichloroethane	75-34-3		0.14 U	0.14 U	0.4 U	0.14 U	NA	0.14 U	0.4 U	0.4 U	0.14 U	NA
1,2-Dibromoethane	106-93-4		0.27 U	0.27 U	0.77 U	0.27 U	NA	0.27 U	0.77 U	0.77 U	0.27 U	NA
1,2-Dichlorobenzene	95-50-1		0.21 U	0.21 U	0.65	0.21 U	NA	0.21 U	0.63 D	0.41 JD	0.21 U	NA
1,2-Dichloroethane	107-06-2		0.14 U	0.14 U	0.4 U	0.14 U	NA	0.13 JD	0.4 U	0.4 U	0.14 U	NA
1,2-Dichloropropane	78-87-5		0.16 U	0.16 U	0.46 U	0.16 U	NA	0.16 U	0.46 U	0.46 U	0.16 U	NA
1,3,5-Trimethylbenzene	108-67-8		0.16 J	0.14 J	0.49 U	0.11 J	NA	0.096 JD	0.32 JD	0.49 U	0.17 U	NA
1,3-Butadiene	106-99-0		0.077 U	0.077 U	0.22 U	0.077 U	NA	0.077 U	0.22 U	0.22 U	0.077 U	NA
1,3-Dichlorobenzene	541-73-1		0.21 U	0.21 U	0.6 U	0.21 U	NA	0.21 U	0.6 U	0.6 U	0.21 U	NA
1,4-Dichlorobenzene	106-46-7		0.21 U	0.21 U	0.6 U	0.21 U	NA	0.21 U	0.6 U	0.6 U	0.21 U	NA
1,4-Dioxane	123-91-1		1.3 U	1.3 U	3.6 U	1.3 U	NA	1.3 U	3.6 U	3.6 U	1.3 U	NA
2-Butanone	78-93-3		2.4 J	2.5 J	12 U	4.1 U	NA	2.6 JD	12 U	12 U	4.1 U	NA
2-Chlorotoluene	95-49-8		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	591-78-6		0.29 U	0.29 U	0.82 U	0.29 U	NA	0.39 D	0.41 U	0.41 U	0.14 U	NA
3-Chloropropene	107-05-1		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	622-96-8		0.17	0.12 J	0.49 U	0.17 U	NA	0.17 U	0.49 U	0.49 U	0.17 U	NA
4-Methyl-2-Pentanone	108-10-1		0.36	0.28	0.41 U	0.14 U	NA	0.14 U	0.41 U	0.78 D	0.14 U	NA
Acetone	67-64-1		26	26	14	6.6	NA	53 D	15 D	27 D	9.2 D	NA
Benzene	71-43-2		1.4	1.4	0.29 J	1.1	NA	1.3 D	13 D	8.3 D	1.3 D	NA
Benzyl Chloride	100-44-7		0.18 U	0.18 U	0.52 U	0.18 U	NA	0.18 U	0.52 U	0.52 U	0.18 U	NA
Bromodichloromethane	75-27-4		0.36	0.31	4.3	0.23 U	NA	0.32 D	3.1 D	2.1 D	0.23 U	NA
Bromoform	75-25-2		0.36 U	0.36 U	1 U	0.36 U	NA	0.36 U	1 U	1 U	0.36 U	NA
Bromomethane	74-83-9		0.14 U	0.14 U	0.39 U	0.14 U	NA	0.14 U	0.39 U	0.39 U	0.14 U	NA
Carbon Disulfide	75-15-0		1.1 U	1.1 U	0.70 J	1.1 U	NA	1.1 U	0.92 JD	0.54 JD	1.1 U	NA
Chlorinated Fluorocarbon (freon 113)	76-13-1		0.47 J	0.47 J	3.1 U	0.42 J	NA	0.53 JD	3.1 U	3.1 U	0.56 JD	NA
Chlorobenzene	108-90-7		0.16 U	0.16 U	0.46 U	0.16 U	NA	0.16 U	0.46 U	0.46 U	0.16 U	NA
Chloroethane	75-00-3		0.092 U	0.092 U	0.26 U	0.092 U	NA	0.092 U	0.26 U	0.26 U	0.092 U	NA
Chloroform	67-66-3		8.7	8.6	170	0.17 U	NA	13 D	190 D	130 D	0.17 U	NA
Chloromethane	74-87-3		0.87	0.94	0.41 U	0.96	NA	1.1 D	0.55 D	0.46 D	1.2 D	NA
cis-1,3-Dichloropropylene	10061-01-5		0.16 U	0.16 U	0.45 U	0.16 U	NA	0.16 U	0.45 U	0.45 U	0.16 U	NA
Cyclohexane	110-82-7		0.36	0.39	0.34 U	0.12 U	NA	0.33 D	0.31 JD	0.32 JD	0.15 D	NA
Dibromochloromethane	124-48-1		0.3 U	0.3 U	0.85 U	0.3 U	NA	0.3 U	0.85 U	0.85 U	0.3 U	NA
Dichlorodifluoromethane	75-71-8		2	2	2.1	2	NA	2.7 D	2.7 D	3.0 D	2.7 D	NA
Ethanol	64-17-5		700	740	7.7	14	NA	480 D	30 J	220 J	13 D	NA
Ethyl Acetate	141-78-6		0.92 J	1.0 J	3.6 UJ	1.3 UJ	NA	3.6 D	3.6 U	3.6 U	1.0 JD	NA
Ethylbenzene	100-41-4		0.58	0.57	0.43 U	0.38	NA	0.42 D	0.70 D	0.58 D	0.20 D	NA
Freon 114	76-14-2		0.24 U	0.24 U	0.7 U	0.24 U	NA	0.24 U	0.7 U	0.7 U	0.24 U	NA
Heptane	142-82-5		1.8	1.2	1.3	0.8	NA	1.0 D	1.2 D	1.3 D	0.37 D	NA
Hexachlorobutadiene	87-68-3		0.37 UJ	0.37 UJ	1.1 UJ	0.37 UJ	NA	0.37 U	1.1 U	1.1 U	0.37 U	NA
Hexane	110-54-3		1.7 J	1.4 J	14 U	4.9 U	NA	1.3 JD	14 U	14 U	0.77 JD	NA
Isooctane	540-84-1		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl Alcohol	67-63-0		22 J	22 J	9.8 UJ	1.0 J	NA	60 D	2.7 JD	22 D	1.3 JD	NA
M,P-XYLENE	XYLMP		1.5	1.4	0.51 J	1.1	NA	NA	NA	NA	NA	NA
Methyl Methacrylate	80-62-6		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-Butyl ether	1634-04-4		0.13 U	0.13 U	0.36 U	0.13 U	NA	0.13 U	0.36 U	0.36 U	0.13 U	NA
Naphthalene	91-20-3		0.14 J	0.13 J	0.52 U	0.18 U	NA	0.18 UJ	0.52 UJ	0.52 UJ	0.18 UJ	NA
o-Xylene	95-47-6		0.57	0.59	0.23 J	0.45	NA	0.43 D	0.69 D	0.56 D	0.20 D	NA
Propylene	115-07-1		2.4 U	2.4 U	6.9 U	2.4 U	NA	2.4 U	6.2 JD	5.5 JD	2.4 U	NA
Styrene	100-42-5		0.38	0.43	0.43 U	0.15 U	NA	0.54 J+	2.4 J+	1.3 J+	0.15 U	NA
tert-Butyl Alcohol	75-65-0		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRAHYDROFURAN	109-99-9		2.3	2.3	2.9 U	1 U	NA	2.1 D	2.9 U	0.94 JD	1 U	NA
Toluene	108-88-3		2.6	2.5	0.84	2.1	NA	2.4 D	4.2 D	3.3 D	1.3 D	NA
trans-1,2-Dichloroethylene	156-60-5		0.14 U	0.14 U	0.4 U	0.14 U	NA	0.14 U	0.4 U	0.4 U	0.14 U	NA
trans-1,3-Dichloropropylene	10061-02-6		0.16 U	0.16 U	0.45 U	0.16 U	NA	0.16 U	0.45 U	0.45 U	0.16 U	NA
Trichlorofluoromethane	75-69-4		1.3	1.3	1.0 J	1.1	NA	1.9 D	1.4 JD	1.5 JD	1.3 D	NA
Vinyl Bromide (Bromoethene)	593-60-2		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	108-05-4		2.5 UJ	2.5 UJ	7 UJ	2.5 UJ	NA	2.5 U	7 U	7 U	2.5 U	NA

Notes:

Note: Results are reported in units of micrograms per cubic meter (ug/m^3).

[a] NYSDOH vapor intrusion guidance (Oct 2006, updated May 2017) recommended actions based on the combination of sub-slab and corresponding indoor air concentrations

[1] - Soil Vapor/Indoor Air Matrix A

[2] - Soil Vapor/Indoor Air Matrix B

[3] - Soil Vapor/Indoor Air Matrix C

NA - Not available

J - Estimated value J+ - Estimated value, positive bias

U - Not detected at the Detection Limit shown

UJ - Not detected at the estimated detection limit shown

Identify - Take reasonable and practical actions to identify source(s) and reduce exposures

NFA - No further action as recommended by NYSDOH guidance.

IRoM - Reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges or mitigate.

PMIA - Post mitigation indoor air sampling

Table 6-1
Constituent Physical Properties
Whitesboro Dry Cleaners
Site No. 633054
Whitesboro, New York

Constituent	Molecular Weight (g/mol)	Density (g/cm^3)	Viscosity (cP)	Solubility (mg/l)	K_{oc} (ml/g)	Henry's Constant ($atm\text{-}m^3/mol$)
Chloroform	119.4	1.49	0.56	7,920	39.8	0.00367
1,1-Dichloroethene (1,1-DCE)	97	1.22	0.36	2,250	58.9	0.0261
cis,I,2-Dichloroethene (cis-1,2-DCE)	97	1.28	0.48	3,500	35.5	0.00408
trans,I,2-Dichloroethene (trans-1,2-DCE)	97	1.26	0.4	6,300	52.5	0.00938
Tetrachloroethene (PCE)	165.8	1.63	0.9	200	155	0.0184
Trichloroethene (TCE)	131.5	1.46	0.57	1,100	166	0.0103
Vinyl Chloride	*62.5*	0.91	---	2,760	18.6	0.027

Notes:

Sources:

Pankow and Cherry, 1996

Shaded - USEPA Soil Screening Guidance Tables, July 1996 (http://www.epa.gov/superfund/health/conmedia/soil/pdfs/part_5.pdf)

$atm\text{-}m^3/mol$

cP - centipoise

g/mol - grams per mol

g/cm^3 - grams per cubic centimeter

K_{oc} - Soil Organic Carbon-Water Partitioning Coefficient

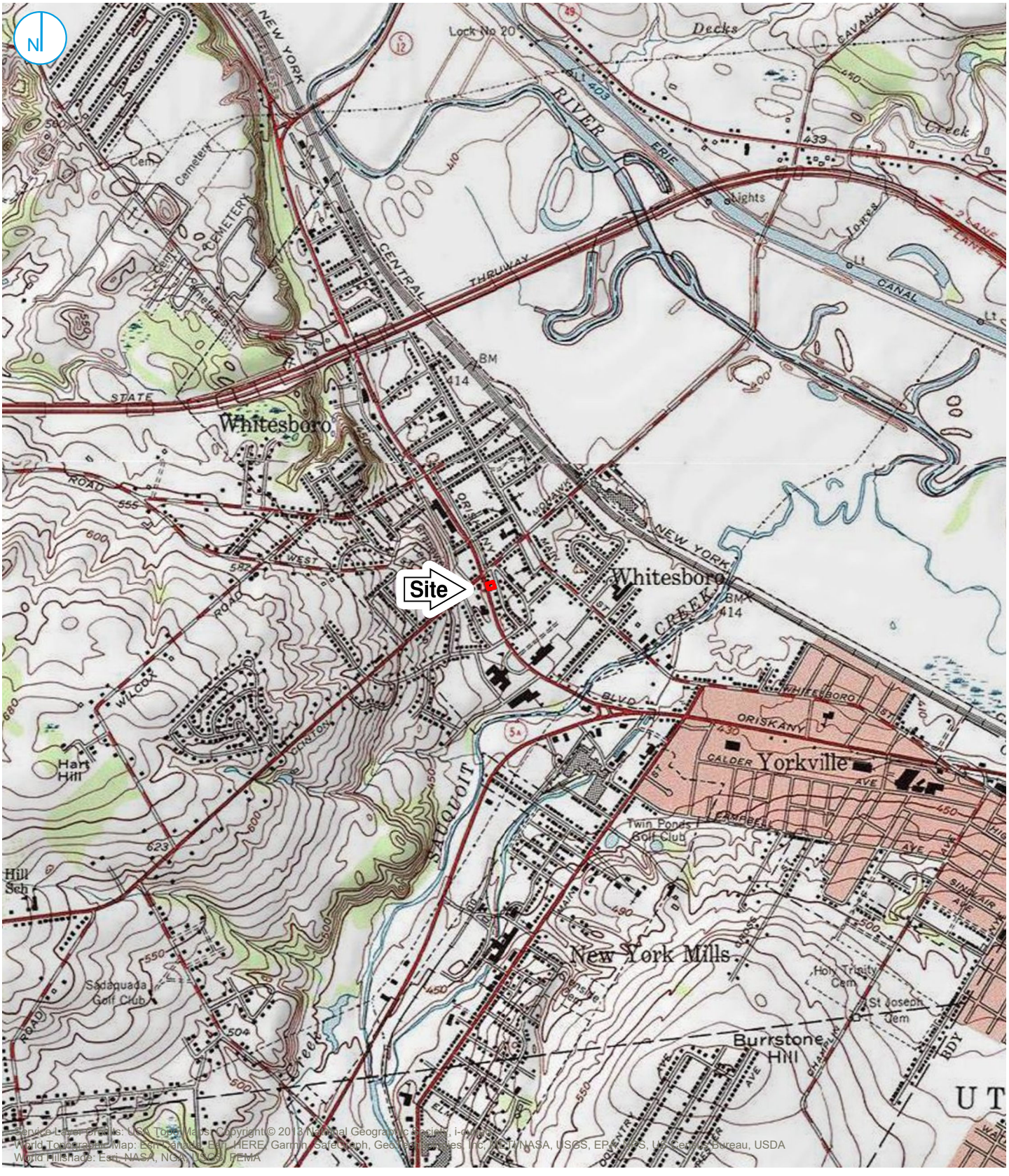
mg/L - miligrams per Liter

mL/g - mililiters per gram

--- No Value

RAMBØLL

FIGURES



PROJECT: 1690001940100088 | DATED: 3/21/2022 | DESIGNER: SSOULE C:\Users\SSOULE\Desktop\SyncToy_Projects\Whitesboro\PRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprx\Fig_1-1

ADAPTED FROM: (ORISKANY AND UTICA WEST) USGS QUADRANGLE



KEY MAP (not to scale)

0 1,000 2,000 Feet

SITE LOCATION

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 1-1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
RESIDENTIAL SUB-PARCEL
NEW GRAVEL LOT AS OF WINTER 2013/2014

Notes
Tax parcels provided in GIS format by Herkimer Oneida Counties Comprehensive Planning Program (HOCCPP)

0 40 80 Feet

RI STUDY AREA

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

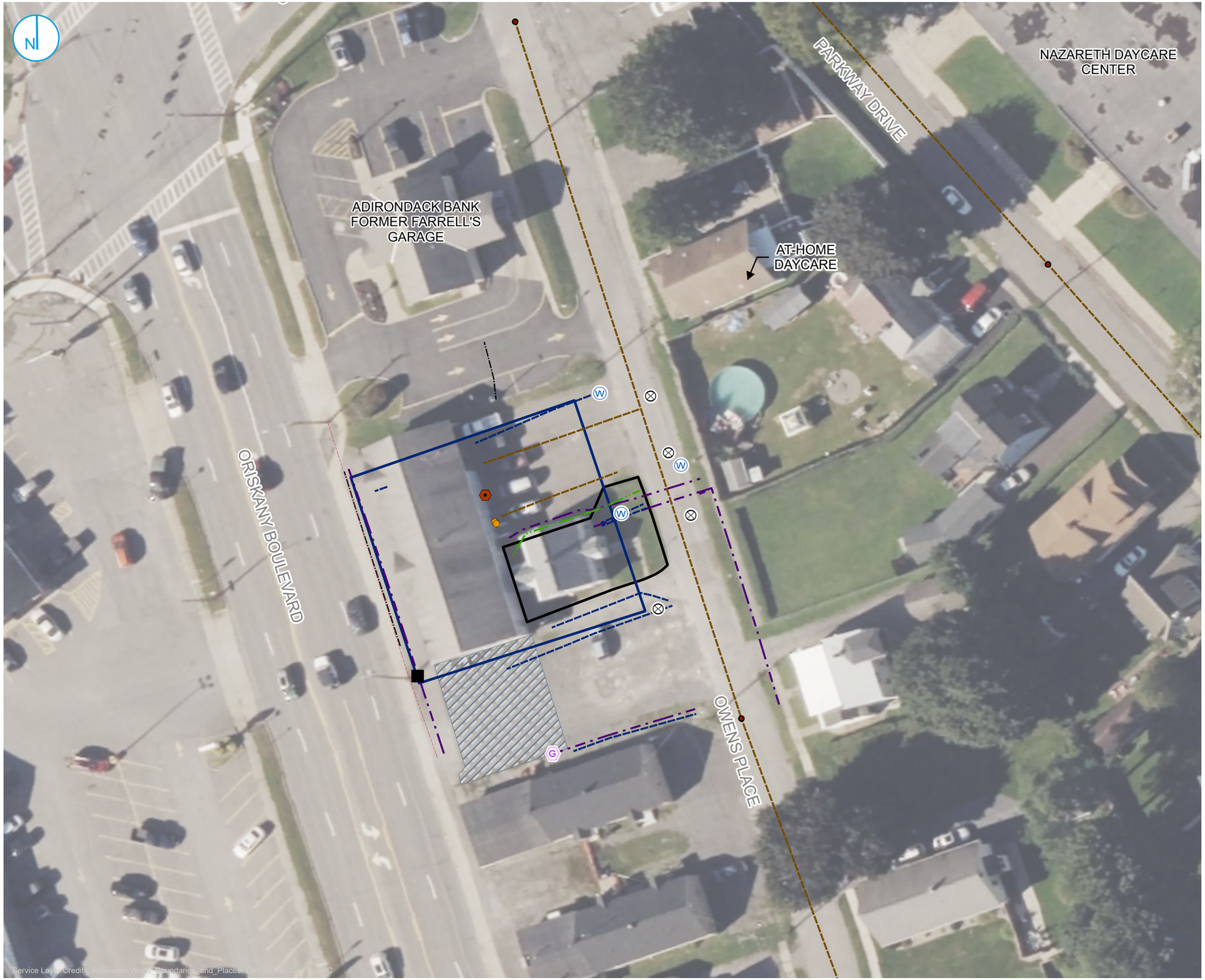
FIGURE 1-2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86531\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprxlFig_1-2

PROJECT: 1940100088 | DATED: 5/4/2023 | DESIGNER: SSOULE



SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
RESIDENTIAL SUB-PARCEL
NEW GRAVEL LOT AS OF WINTER 2013/2014
CATCH BASIN SQUARE
CLEAN OUT
4" CLAY TO DAYLIGHT
CURB BOX
GAS METER
WATER VALVE

SUBSURFACE UTILITIES
GAS
SANITARY
WATER
UNKNOWN
UNDERGROUND ELECTRIC
OVERHEAD WIRES

0 20 40
Feet

UTILITIES AND BUILDING DRAIN FEATURES

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

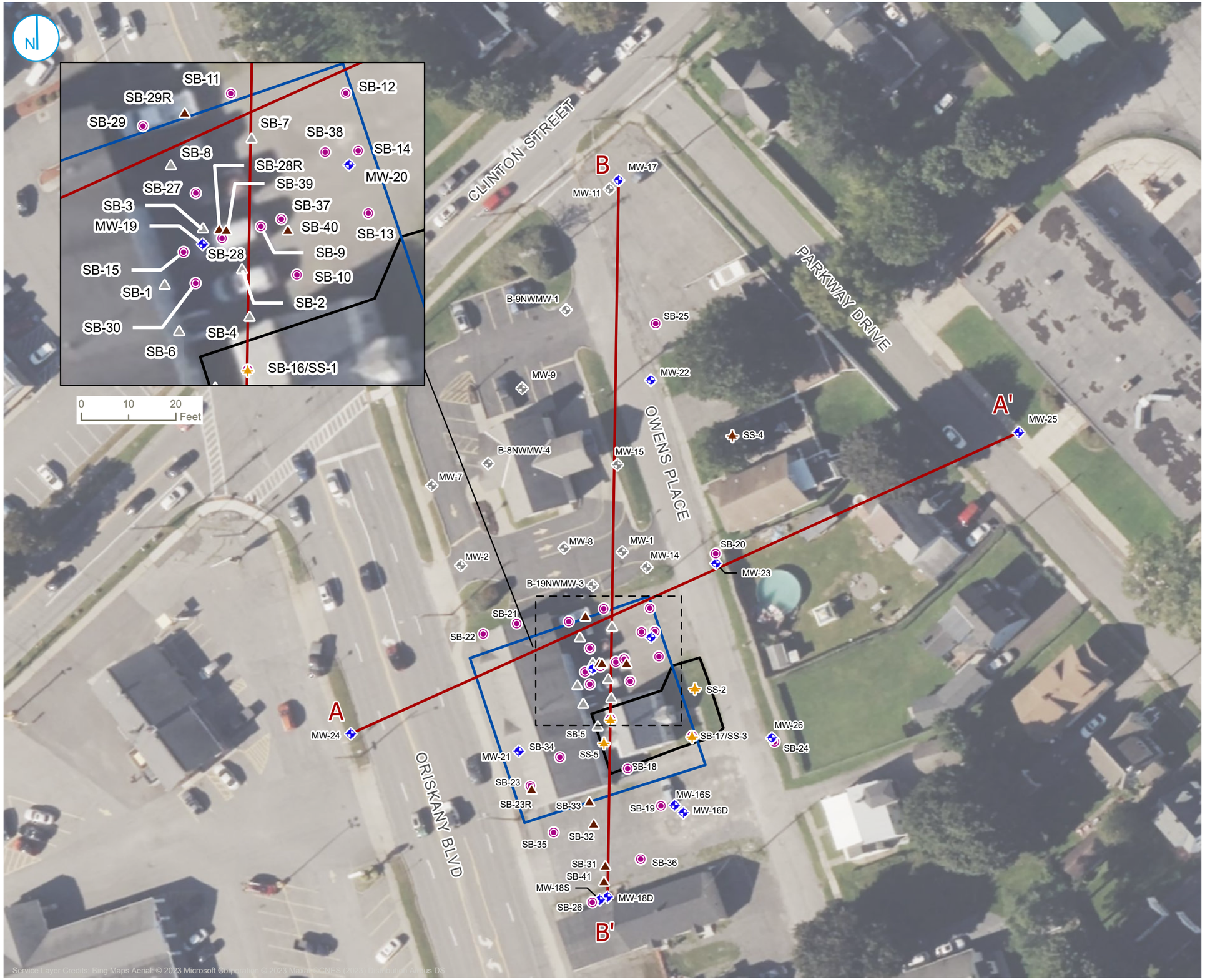
FIGURE 3-1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86531\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprxlFig_3-1

PROJECT: 1940100088 | DATED: 5/4/2023 | DESIGNER: SSOULE



HISTORIC SAMPLE LOCATION
- MONITORING WELL
- SOIL BORING

RI SAMPLE LOCATION
- MIP
- MONITORING WELL
- SOIL BORING
- SOIL BORING/SURFACE SOIL
- SURFACE SOIL

SITE FEATURES
- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL

Notes
- SB-19 is GPS located
- MIP - Membrane Interface Probe
- SB-16 and SS-1 are in the same location

0 25 50 Feet

SAMPLE LOCATIONS

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 3-2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

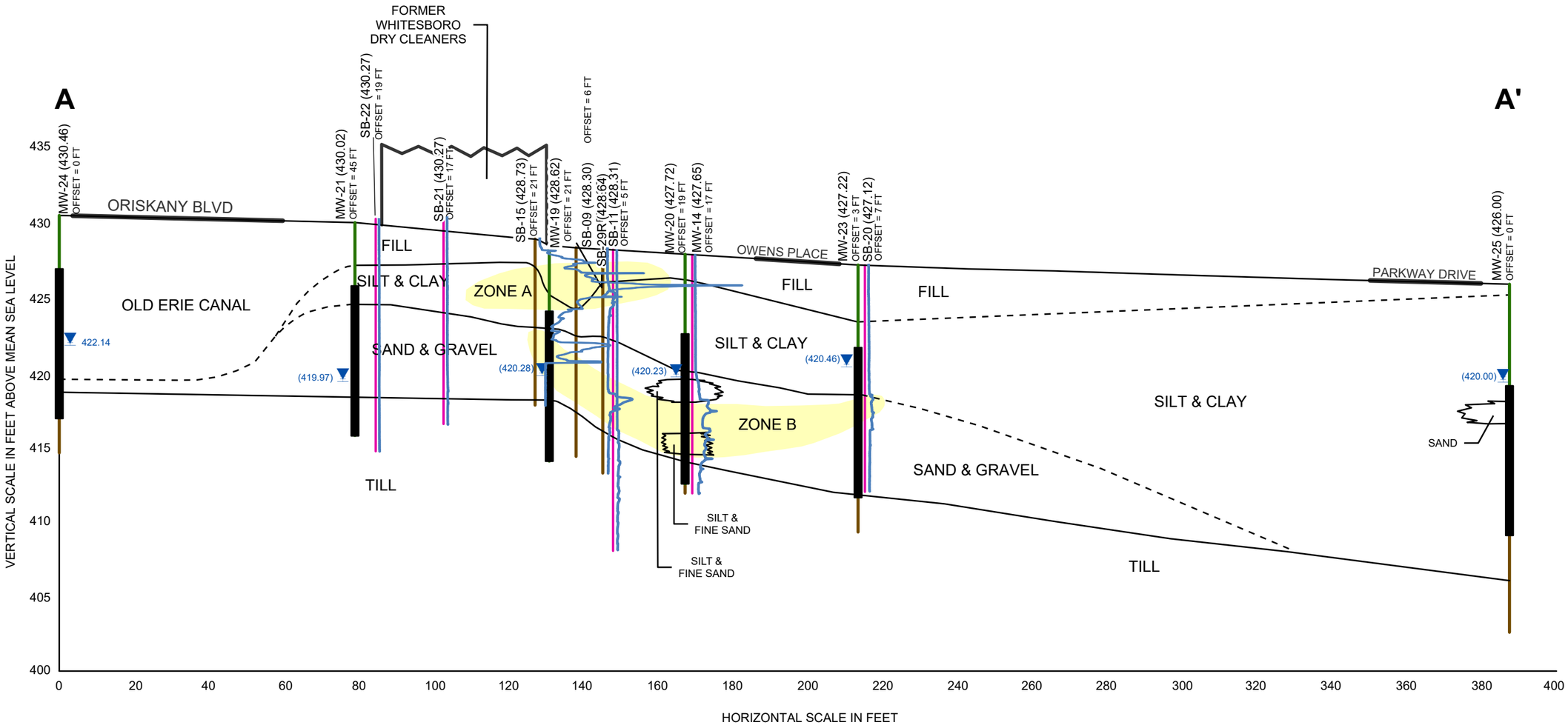
RAMBOLL

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PROJECT: 169000194010008 | DATED: 5/4/2023 | DESIGNER: SSOULE

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FIGURE 4-1



NOTE:
- LOCATION OF ROADS AND BUILDINGS HAVE BEEN ESTIMATED FROM AERIAL IMAGES.
- OFFSET = HORIZONTAL DISTANCE FROM CROSS SECTION LINE IN FEET.
- GROUNDWATER NOT SURVEYED. SURFACE BASED ON SURFACE ELEVATION OF NEARBY BORINGS AND WELLS.
- SOME BORINGS MAY BEGIN ABOVE OR BELOW GROUND SURFACE DUE TO PROJECTION.

This document was developed in color. Reproduction in B/W may not represent the data as intended.

WELL SCREEN
WELL CASING
SOIL BORING
MIP ONLY
(420.00) GROUNDWATER ELEVATION (9/30/14)
MIP ELEVATED CVOC ZONES OF IMPACT

MW-24 (430.46)
BORING ID — SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)

GEOLOGIC CROSS SECTION A-A'

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

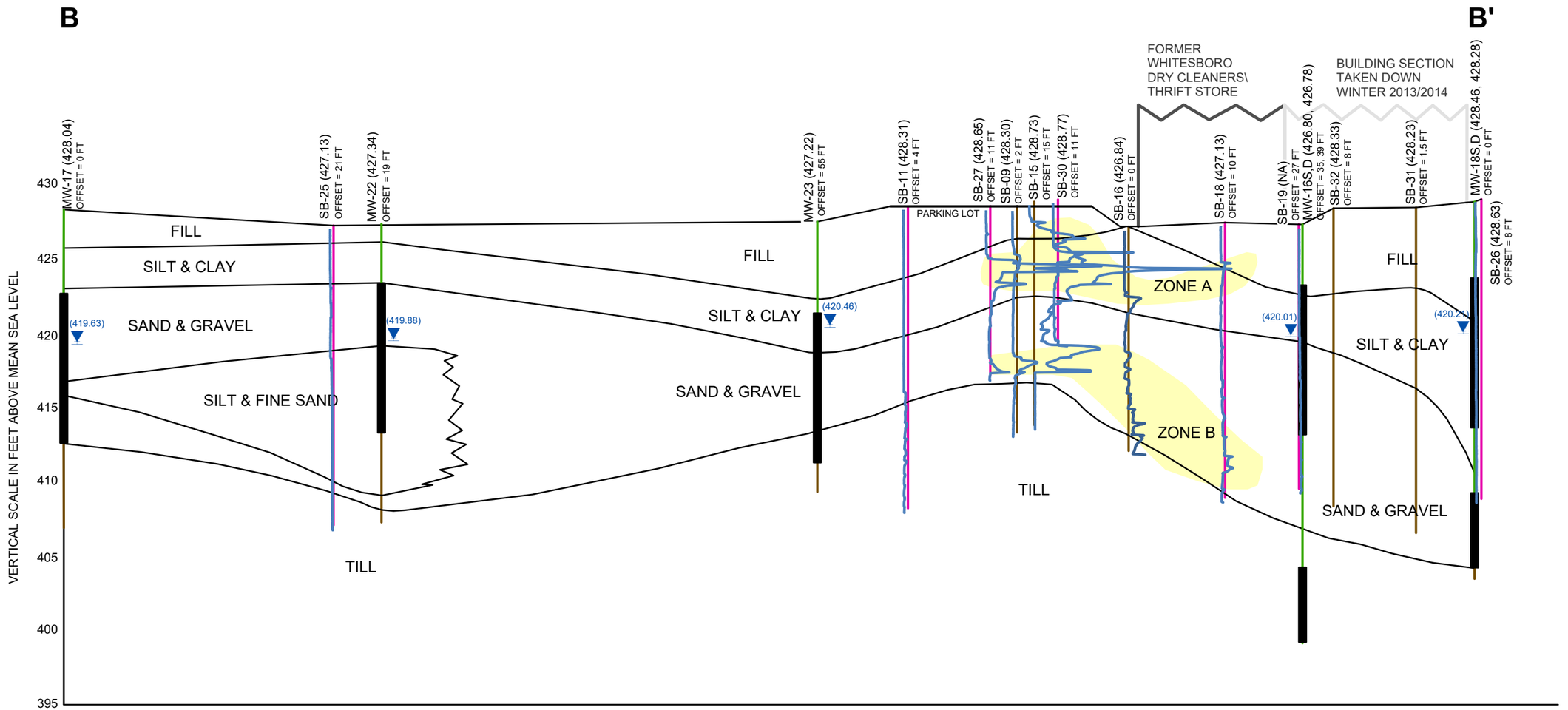
FIGURE 4-1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT: 1690001940100088 | DATED: 6/23/2022 | DESIGNER: SSOULE

I:\Parsons-Eng.8653\STDS\GIS\Whitesbor-Dry\PRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprx\Fig_4-2

FIGURE 4-2



NOTE:
- LOCATION OF ROADS AND BUILDINGS HAVE BEEN ESTIMATED FROM AERIAL IMAGES.
- OFFSET = HORIZONTAL DISTANCE FROM CROSS SECTION LINE IN FEET.
- GROUND SURFACE NOT SURVEYED. SURFACE BASED ON SURFACE ELEVATION OF NEARBY BORINGS AND WELLS.
- SOME BORINGS MAY BEGIN ABOVE OR BELOW GROUND SURFACE DUE TO PROJECTION.

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WELL SCREEN
WELL CASING
SOIL BORING
MIP ONLY

(420.00) GROUNDWATER ELEVATION (9/30/14)

MIP ELEVATED CVOC ZONES OF IMPACT

MW-24 (430.46)
BORING ID — SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)

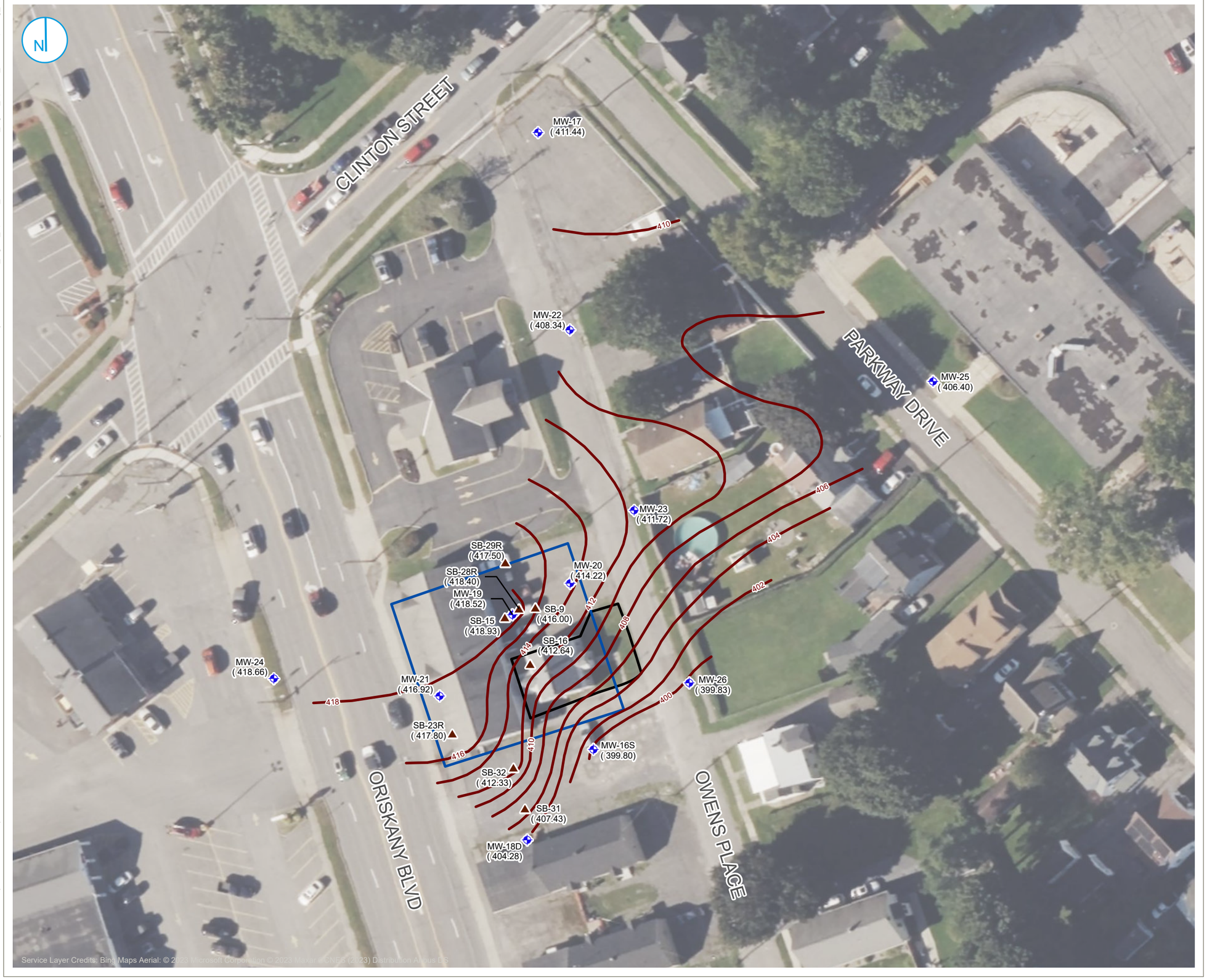
GEOLOGIC CROSS SECTION B-B'

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 4-2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

PROJECT: 1690001940100088 | DATED: 6/23/2022 | DESIGNER: SSOULE



MONITORING WELL
SOIL BORING
TILL SURFACE
SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
RESIDENTIAL SUB-PARCEL

Notes
-(418.66) - Till surface elevation

0 25 50
Feet

TILL SURFACE

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 4-3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

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PROJECT: 1940100088 | DATED: 5/4/2023 | DESIGNER: SSOULE



HISTORIC MONITORING WELL
RI MONITORING WELL
GROUNDWATER CONTOUR

0 25 50
Feet

GROUNDWATER ELEVATION CONTOURS
MAY 8, 2013

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

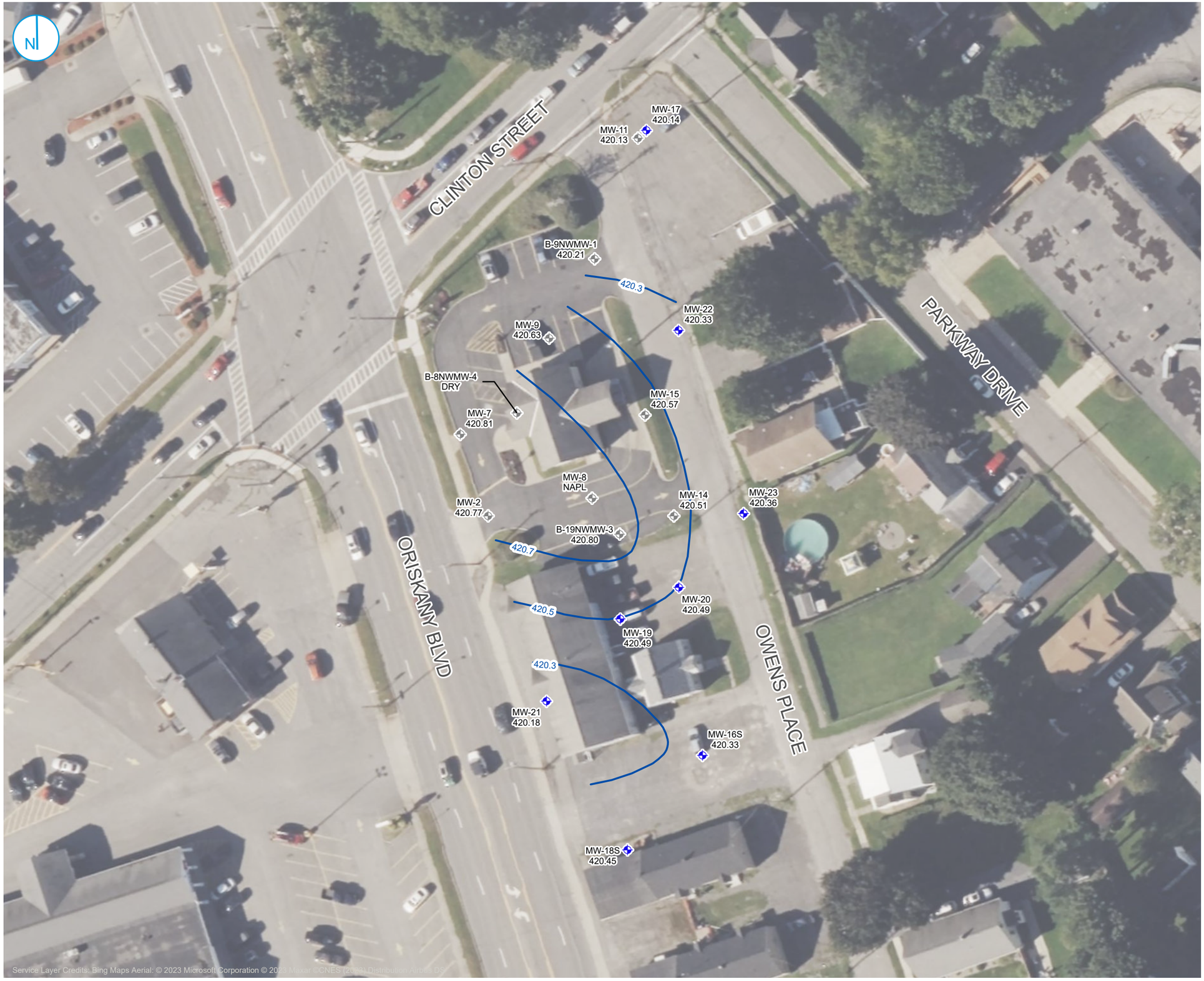
FIGURE 4-4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86653\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprx\Fig_4-4

PROJECT: 1940100088 | DATED: 5/4/2023 | DESIGNER: SSOULE



HISTORIC MONITORING WELL
RI MONITORING WELL
GROUNDWATER CONTOUR

0 25 50
Feet

GROUNDWATER ELEVATION CONTOURS
SEPTEMBER 16, 2013

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

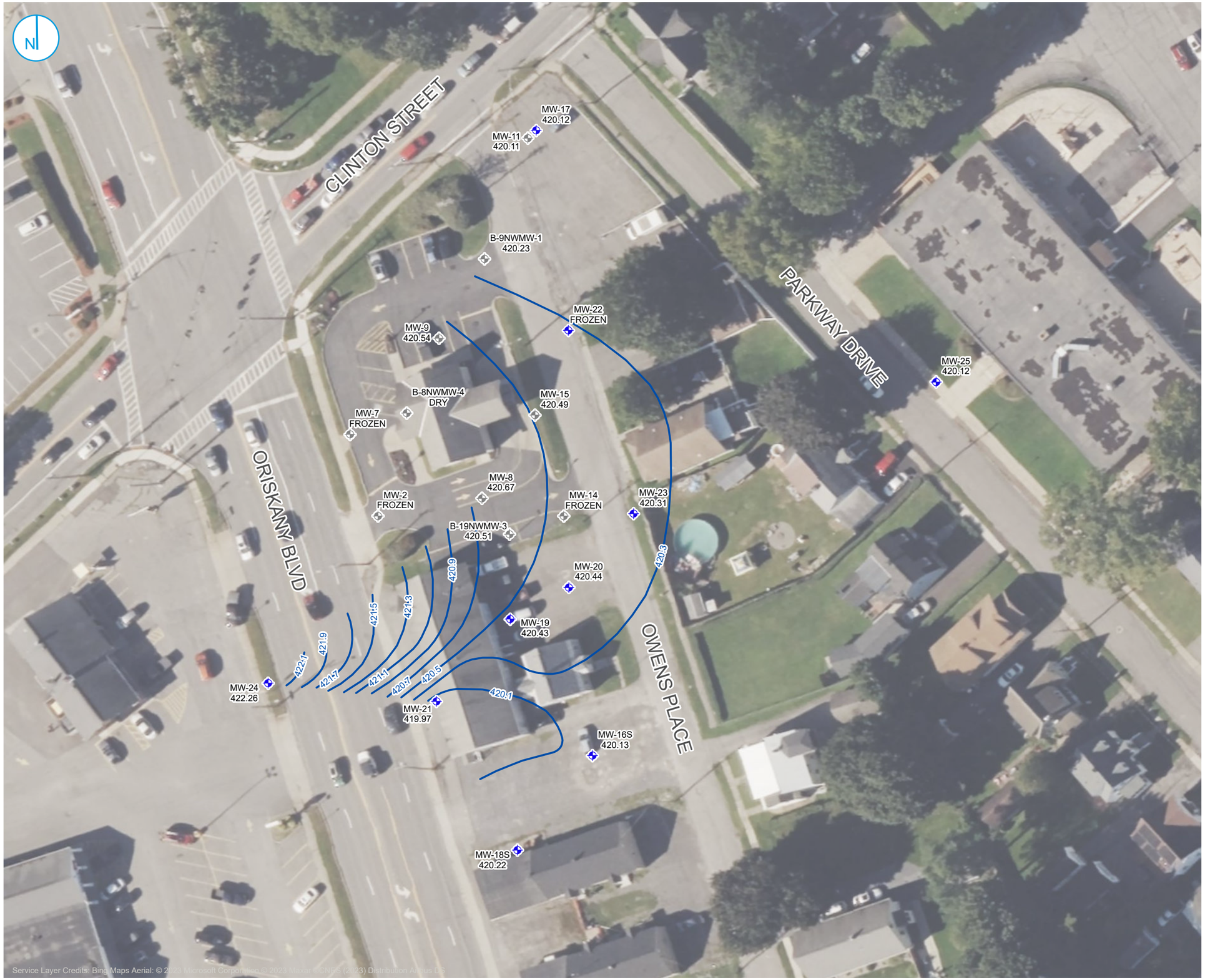
FIGURE 4-5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86653\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprx\Fig_4-5

PROJECT: 1940100088 | DATED: 5/4/2023 | DESIGNER: SSOULE



HISTORIC MONITORING WELL
RI MONITORING WELL
GROUNDWATER CONTOUR

Notes
FROZEN - Well covered in ice and groundwater elevation not recorded.

0 25 50
Feet

GROUNDWATER ELEVATION CONTOURS
DECEMBER 18, 2013

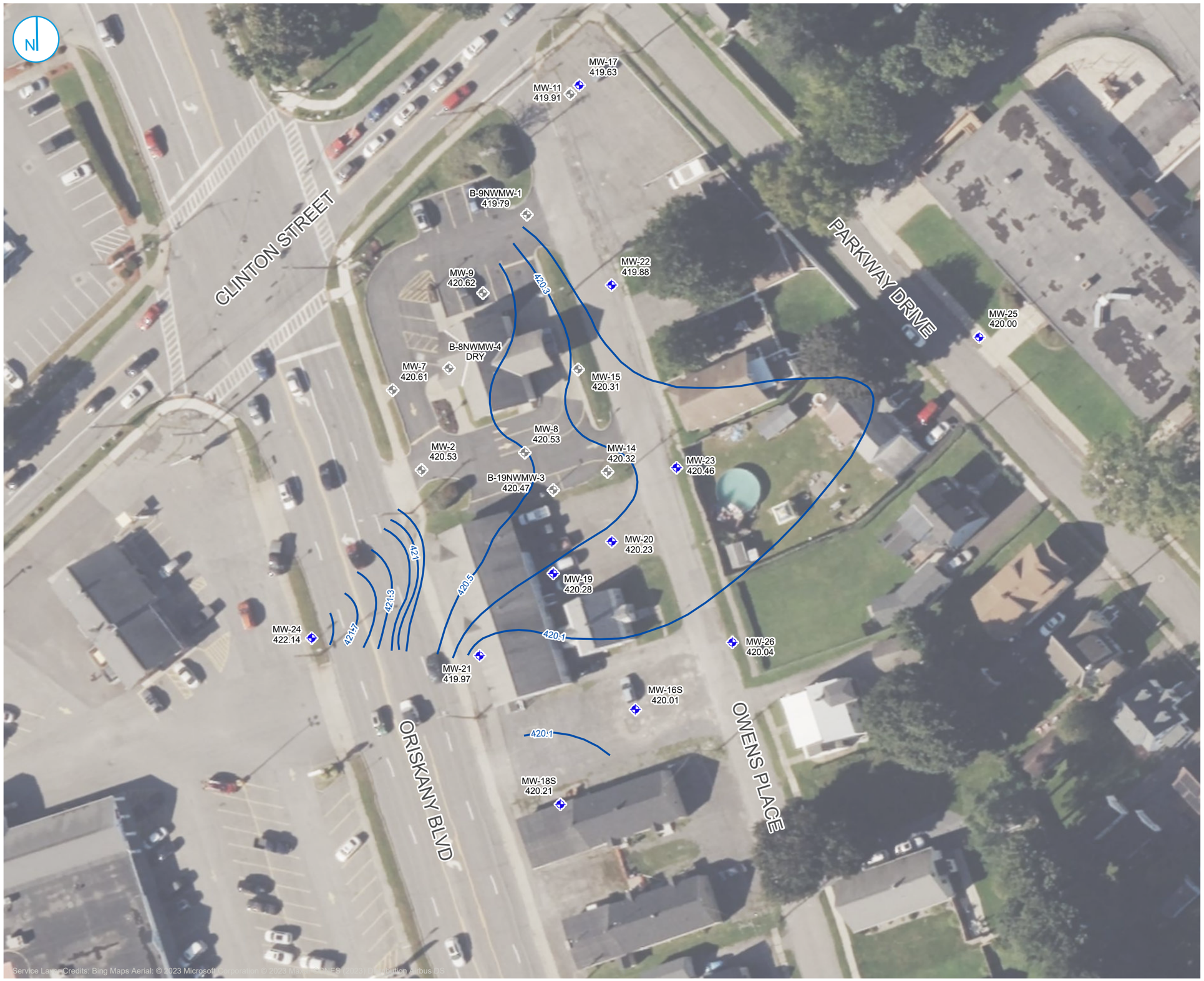
NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 4-6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86531\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprx\Fig_4-6
PROJECT: 1940100088 | DATED: 5/5/2023 | DESIGNER: SSOULE



HISTORIC MONITORING WELL
RI MONITORING WELL
GROUNDWATER CONTOUR

Notes
MW-23 not used in contour drawing.

0 25 50
Feet

GROUNDWATER ELEVATION CONTOURS
SEPTEMBER 30, 2014

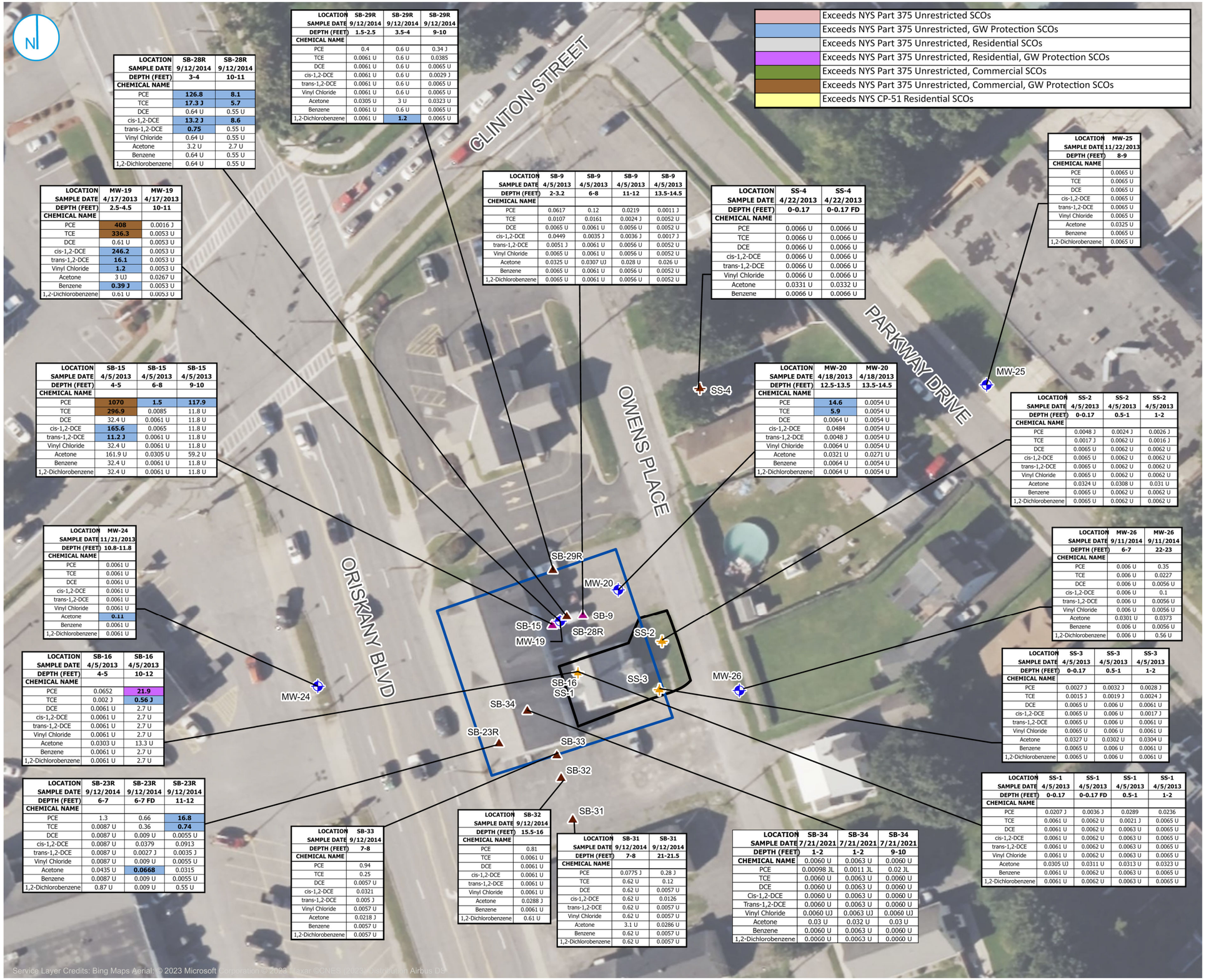
NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 4-7

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86531\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprx\Fig_4-7
PROJECT: 1940100088 | DATED: 5/4/2023 | DESIGNER: SSOULE



LOCATION	SB-28R	SB-28R
SAMPLE DATE	9/12/2014	9/12/2014
DEPTH (FEET)	3-4	10-11
CHEMICAL NAME		
PCE	**126.8**	**8.1**
TCE	**17.3 J**	**5.7**
DCE	0.64 U	0.55 U
cis-1,2-DCE	**13.2 J**	**8.6**
trans-1,2-DCE	**0.75**	0.55 U
Vinyl Chloride	0.64 U	0.55 U
Acetone	3.2 U	2.7 U
Benzene	0.64 U	0.55 U
1,2-Dichlorobenzene	0.64 U	0.55 U

LOCATION	SB-29R	SB-29R	SB-29R
SAMPLE DATE	9/12/2014	9/12/2014	9/12/2014
DEPTH (FEET)	1.5-2.5	3.5-4	9-10
CHEMICAL NAME			
PCE	0.4	0.6 U	0.34 J
TCE	0.0061 U	0.6 U	0.0385
DCE	0.0061 U	0.6 U	0.0065 U
cis-1,2-DCE	0.0061 U	0.6 U	0.0029 J
trans-1,2-DCE	0.0061 U	0.6 U	0.0065 U
Vinyl Chloride	0.0061 U	0.6 U	0.0065 U
Acetone	0.0305 U	3 U	0.0323 U
Benzene	0.0061 U	0.6 U	0.0065 U
1,2-Dichlorobenzene	0.0061 U	**1.2**	0.0065 U

LOCATION	MW-19	MW-19
SAMPLE DATE	4/17/2013	4/17/2013
DEPTH (FEET)	2.5-4.5	10-11
CHEMICAL NAME		
PCE	**408**	0.0016 J
TCE	**336.3**	0.0053 U
DCE	0.61 U	0.0053 U
cis-1,2-DCE	**246.2**	0.0053 U
trans-1,2-DCE	**16.1**	0.0053 U
Vinyl Chloride	**1.2**	0.0053 U
Acetone	3 UJ	0.0267 U
Benzene	**0.39 J**	0.0053 U
1,2-Dichlorobenzene	0.61 U	0.0053 U

LOCATION	SB-9	SB-9	SB-9	SB-9
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	2-3.2	6-8	11-12	13.5-14.5
CHEMICAL NAME				
PCE	0.0617	0.12	0.0219	0.0011 J
TCE	0.0107	0.0161	0.0024 J	0.0052 U
DCE	0.0065 U	0.0061 U	0.0056 U	0.0052 U
cis-1,2-DCE	0.0449	0.0035 J	0.0036 J	0.0017 J
trans-1,2-DCE	0.0051 J	0.0061 U	0.0056 U	0.0052 U
Vinyl Chloride	0.0065 U	0.0061 U	0.0056 U	0.0052 U
Acetone	0.0325 U	0.0307 UJ	0.028 U	0.026 U
Benzene	0.0065 U	0.0061 U	0.0056 U	0.0052 U
1,2-Dichlorobenzene	0.0065 U	0.0061 U	0.0056 U	0.0052 U

LOCATION	SS-4	SS-4
SAMPLE DATE	4/22/2013	4/22/2013
DEPTH (FEET)	0-0.17	0-0.17 FD
CHEMICAL NAME		
PCE	0.0066 U	0.0066 U
TCE	0.0066 U	0.0066 U
DCE	0.0066 U	0.0066 U
cis-1,2-DCE	0.0066 U	0.0066 U
trans-1,2-DCE	0.0066 U	0.0066 U
Vinyl Chloride	0.0066 U	0.0066 U
Acetone	0.0331 U	0.0332 U
Benzene	0.0066 U	0.0066 U

LOCATION	MW-25
SAMPLE DATE	11/22/2013
DEPTH (FEET)	8-9
CHEMICAL NAME	
PCE	0.0065 U
TCE	0.0065 U
DCE	0.0065 U
cis-1,2-DCE	0.0065 U
trans-1,2-DCE	0.0065 U
Vinyl Chloride	0.0065 U
Acetone	0.0325 U
Benzene	0.0065 U
1,2-Dichlorobenzene	0.0065 U

LOCATION	SB-15	SB-15	SB-15
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	4-5	6-8	9-10
CHEMICAL NAME			
PCE	**1070**	**1.5**	**117.9**
TCE	**296.9**	0.0085	11.8 U
DCE	32.4 U	0.0061 U	11.8 U
cis-1,2-DCE	**165.6**	0.0065	11.8 U
trans-1,2-DCE	**11.2 J**	0.0061 U	11.8 U
Vinyl Chloride	32.4 U	0.0061 U	11.8 U
Acetone	161.9 U	0.0305 U	59.2 U
Benzene	32.4 U	0.0061 U	11.8 U
1,2-Dichlorobenzene	32.4 U	0.0061 U	11.8 U

LOCATION	MW-20	MW-20
SAMPLE DATE	4/18/2013	4/18/2013
DEPTH (FEET)	12.5-13.5	13.5-14.5
CHEMICAL NAME		
PCE	**14.6**	0.0054 U
TCE	**5.9**	0.0054 U
DCE	0.0064 U	0.0054 U
cis-1,2-DCE	0.0484	0.0054 U
trans-1,2-DCE	0.0048 J	0.0054 U
Vinyl Chloride	0.0064 U	0.0054 U
Acetone	0.0321 U	0.0271 U
Benzene	0.0064 U	0.0054 U
1,2-Dichlorobenzene	0.0064 U	0.0054 U

LOCATION	SS-2	SS-2	SS-2
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0.5-1	1-2
CHEMICAL NAME			
PCE	0.0048 J	0.0024 J	0.0026 J
TCE	0.0017 J	0.0062 U	0.0016 J
DCE	0.0065 U	0.0062 U	0.0062 U
cis-1,2-DCE	0.0065 U	0.0062 U	0.0062 U
trans-1,2-DCE	0.0065 U	0.0062 U	0.0062 U
Vinyl Chloride	0.0065 U	0.0062 U	0.0062 U
Acetone	0.0324 U	0.0308 U	0.031 U
Benzene	0.0065 U	0.0062 U	0.0062 U
1,2-Dichlorobenzene	0.0065 U	0.0062 U	0.0062 U

LOCATION	MW-24
SAMPLE DATE	11/21/2013
DEPTH (FEET)	10.8-11.8
CHEMICAL NAME	
PCE	0.0061 U
TCE	0.0061 U
DCE	0.0061 U
cis-1,2-DCE	0.0061 U
trans-1,2-DCE	0.0061 U
Vinyl Chloride	0.0061 U
Acetone	**0.11**
Benzene	0.0061 U
1,2-Dichlorobenzene	0.0061 U

LOCATION	MW-26	MW-26
SAMPLE DATE	9/11/2014	9/11/2014
DEPTH (FEET)	6-7	22-23
CHEMICAL NAME		
PCE	0.006 U	0.35
TCE	0.006 U	0.0227
DCE	0.006 U	0.0056 U
cis-1,2-DCE	0.006 U	0.1
trans-1,2-DCE	0.006 U	0.0056 U
Vinyl Chloride	0.006 U	0.0056 U
Acetone	0.0301 U	0.0373
Benzene	0.006 U	0.0056 U
1,2-Dichlorobenzene	0.006 U	0.56 U

LOCATION	SB-16	SB-16
SAMPLE DATE	4/5/2013	4/5/2013
DEPTH (FEET)	4-5	10-12
CHEMICAL NAME		
PCE	0.0652	**21.9**
TCE	0.002 J	**0.56 J**
DCE	0.0061 U	2.7 U
cis-1,2-DCE	0.0061 U	2.7 U
trans-1,2-DCE	0.0061 U	2.7 U
Vinyl Chloride	0.0061 U	2.7 U
Acetone	0.0303 U	13.3 U
Benzene	0.0061 U	2.7 U
1,2-Dichlorobenzene	0.0061 U	2.7 U

LOCATION	SS-3	SS-3	SS-3
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0.5-1	1-2
CHEMICAL NAME			
PCE	0.0027 J	0.0032 J	0.0028 J
TCE	0.0015 J	0.0019 J	0.0024 J
DCE	0.0065 U	0.006 U	0.0061 U
cis-1,2-DCE	0.0065 U	0.006 U	0.0017 J
trans-1,2-DCE	0.0065 U	0.006 U	0.0061 U
Vinyl Chloride	0.0065 U	0.006 U	0.0061 U
Acetone	0.0327 U	0.0302 U	0.0304 U
Benzene	0.0065 U	0.006 U	0.0061 U
1,2-Dichlorobenzene	0.0065 U	0.006 U	0.0061 U

LOCATION	SB-23R	SB-23R	SB-23R
SAMPLE DATE	9/12/2014	9/12/2014	9/12/2014
DEPTH (FEET)	6-7	6-7 FD	11-12
CHEMICAL NAME			
PCE	1.3	0.66	**16.8**
TCE	0.0087 U	0.36	**0.74**
DCE	0.0087 U	0.009 U	0.0055 U
cis-1,2-DCE	0.0087 U	0.0379	0.0913
trans-1,2-DCE	0.0087 U	0.0027 J	0.0035 J
Vinyl Chloride	0.0087 U	0.009 U	0.0055 U
Acetone	0.0435 U	**0.0668**	0.0315
Benzene	0.0087 U	0.009 U	0.0055 U
1,2-Dichlorobenzene	0.87 U	0.009 U	0.55 U

LOCATION	SB-33
SAMPLE DATE	9/12/2014
DEPTH (FEET)	7-8
CHEMICAL NAME	
PCE	0.94
TCE	0.25
DCE	0.0057 U
cis-1,2-DCE	0.0321
trans-1,2-DCE	0.005 J
Vinyl Chloride	0.0057 U
Acetone	0.0218 J
Benzene	0.0057 U
1,2-Dichlorobenzene	0.0057 U

LOCATION	SB-32
SAMPLE DATE	9/12/2014
DEPTH (FEET)	15.5-16
CHEMICAL NAME	
PCE	0.81
TCE	0.0061 U
DCE	0.0061 U
cis-1,2-DCE	0.0061 U
trans-1,2-DCE	0.0061 U
Vinyl Chloride	0.0061 U
Acetone	0.0288 J
Benzene	0.0061 U
1,2-Dichlorobenzene	0.61 U

LOCATION	SB-31	SB-31
SAMPLE DATE	9/12/2014	9/12/2014
DEPTH (FEET)	7-8	21-21.5
CHEMICAL NAME		
PCE	0.0775 J	0.28 J
TCE	0.62 U	0.12
DCE	0.62 U	0.0057 U
cis-1,2-DCE	0.62 U	0.0126
trans-1,2-DCE	0.62 U	0.0057 U
Vinyl Chloride	0.62 U	0.0057 U
Acetone	3.1 U	0.0286 U
Benzene	0.62 U	0.0057 U
1,2-Dichlorobenzene	0.62 U	0.0057 U

LOCATION	SB-34	SB-34	SB-34
SAMPLE DATE	7/21/2021	7/21/2021	7/21/2021
DEPTH (FEET)	1-2	1-2	9-10
CHEMICAL NAME			
PCE	0.00098 JL	0.0011 JL	0.02 JL
TCE	0.0060 U	0.0063 U	0.0060 U
DCE	0.0060 U	0.0063 U	0.0060 U
Cis-1,2-DCE	0.0060 U	0.0063 U	0.0060 U
Trans-1,2-DCE	0.0060 U	0.0063 U	0.0060 U
Vinyl Chloride	0.0060 UJ	0.0063 UJ	0.0060 UJ
Acetone	0.03 U	0.032 U	0.03 U
Benzene	0.0060 U	0.0063 U	0.0060 U
1,2-Dichlorobenzene	0.0060 U	0.0063 U	0.0060 U

LOCATION	SS-1	SS-1	SS-1	SS-1
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0-0.17 FD	0.5-1	1-2
CHEMICAL NAME				
PCE	0.0207 J	0.0036 J	0.0289	0.0236
TCE	0.0061 U	0.0062 U	0.0021 J	0.0065 U
DCE	0.0061 U	0.0062 U	0.0063 U	0.0065 U
cis-1,2-DCE	0.0061 U	0.0062 U	0.0063 U	0.0065 U
trans-1,2-DCE	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Vinyl Chloride	0.0061 U	0.0062 U	0.0063 U	0.0065 U
Acetone	0.0305 UJ	0.0311 U	0.0313 U	0.0323 U
Benzene	0.0061 U	0.0062 U	0.0063 U	0.0065 U
1,2-Dichlorobenzene	0.0061 U	0.0062 U	0.0063 U	0.0065 U

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted, GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Commercial, GW Protection SCOs
	Exceeds NYS CP-51 Residential SCOs

- MONITORING WELL
- SURFACE SOIL
- SOIL BORING/SURFACE SOIL
- SOIL BORING
- SOIL BORING/MIP
- SOIL BORING/MIP/SURFACE SOIL
- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL

Notes
- All units in milligrams per kilogram (mg/kg)
- MIP - Membrane Interface Probe
- SB-16 and SS-1 are in the same location

0 25 50 Feet

RI SOIL VOC RESULTS

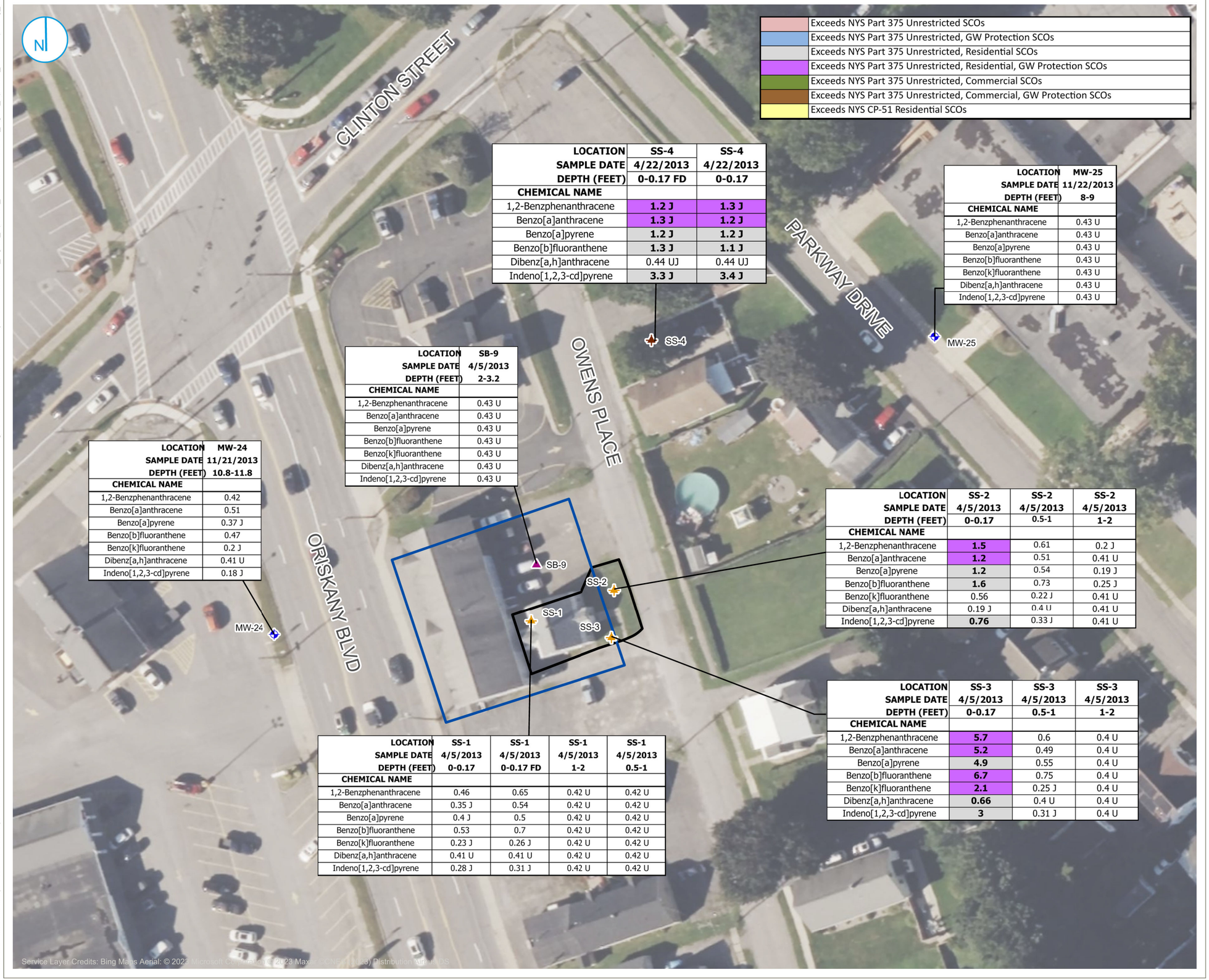
NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 5-1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86531\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprxlFig_5-1
PROJECT: 1940100088 | DATED: 5/5/2023 | DESIGNER: SSOULE



LOCATION	SS-4	SS-4
SAMPLE DATE	4/22/2013	4/22/2013
DEPTH (FEET)	0-0.17 FD	0-0.17
CHEMICAL NAME		
1,2-Benzphenanthracene	1.2 J	1.3 J
Benzo[a]anthracene	1.3 J	1.2 J
Benzo[a]pyrene	1.2 J	1.2 J
Benzo[b]fluoranthene	1.3 J	1.1 J
Dibenz[a,h]anthracene	0.44 UJ	0.44 UJ
Indeno[1,2,3-cd]pyrene	3.3 J	3.4 J

LOCATION	MW-25
SAMPLE DATE	11/22/2013
DEPTH (FEET)	8-9
CHEMICAL NAME	
1,2-Benzphenanthracene	0.43 U
Benzo[a]anthracene	0.43 U
Benzo[a]pyrene	0.43 U
Benzo[b]fluoranthene	0.43 U
Benzo[k]fluoranthene	0.43 U
Dibenz[a,h]anthracene	0.43 U
Indeno[1,2,3-cd]pyrene	0.43 U

LOCATION	SB-9
SAMPLE DATE	4/5/2013
DEPTH (FEET)	2-3.2
CHEMICAL NAME	
1,2-Benzphenanthracene	0.43 U
Benzo[a]anthracene	0.43 U
Benzo[a]pyrene	0.43 U
Benzo[b]fluoranthene	0.43 U
Benzo[k]fluoranthene	0.43 U
Dibenz[a,h]anthracene	0.43 U
Indeno[1,2,3-cd]pyrene	0.43 U

LOCATION	MW-24
SAMPLE DATE	11/21/2013
DEPTH (FEET)	10.8-11.8
CHEMICAL NAME	
1,2-Benzphenanthracene	0.42
Benzo[a]anthracene	0.51
Benzo[a]pyrene	0.37 J
Benzo[b]fluoranthene	0.47
Benzo[k]fluoranthene	0.2 J
Dibenz[a,h]anthracene	0.41 U
Indeno[1,2,3-cd]pyrene	0.18 J

LOCATION	SS-2	SS-2	SS-2
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0.5-1	1-2
CHEMICAL NAME			
1,2-Benzphenanthracene	1.5	0.61	0.2 J
Benzo[a]anthracene	1.2	0.51	0.41 U
Benzo[a]pyrene	1.2	0.54	0.19 J
Benzo[b]fluoranthene	1.6	0.73	0.25 J
Benzo[k]fluoranthene	0.56	0.22 J	0.41 U
Dibenz[a,h]anthracene	0.19 J	0.4 U	0.41 U
Indeno[1,2,3-cd]pyrene	0.76	0.33 J	0.41 U

LOCATION	SS-1	SS-1	SS-1	SS-1
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0-0.17 FD	1-2	0.5-1
CHEMICAL NAME				
1,2-Benzphenanthracene	0.46	0.65	0.42 U	0.42 U
Benzo[a]anthracene	0.35 J	0.54	0.42 U	0.42 U
Benzo[a]pyrene	0.4 J	0.5	0.42 U	0.42 U
Benzo[b]fluoranthene	0.53	0.7	0.42 U	0.42 U
Benzo[k]fluoranthene	0.23 J	0.26 J	0.42 U	0.42 U
Dibenz[a,h]anthracene	0.41 U	0.41 U	0.42 U	0.42 U
Indeno[1,2,3-cd]pyrene	0.28 J	0.31 J	0.42 U	0.42 U

LOCATION	SS-3	SS-3	SS-3
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0.5-1	1-2
CHEMICAL NAME			
1,2-Benzphenanthracene	5.7	0.6	0.4 U
Benzo[a]anthracene	5.2	0.49	0.4 U
Benzo[a]pyrene	4.9	0.55	0.4 U
Benzo[b]fluoranthene	6.7	0.75	0.4 U
Benzo[k]fluoranthene	2.1	0.25 J	0.4 U
Dibenz[a,h]anthracene	0.66	0.4 U	0.4 U
Indeno[1,2,3-cd]pyrene	3	0.31 J	0.4 U

RI SAMPLE LOCATION
- MONITORING WELL
- SURFACE SOIL
- SOIL BORING/SURFACE SOIL
- SOIL BORING/MIP
- SOIL BORING/MIP/SURFACE SOIL
- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL

Notes
- All units in milligrams per kilogram (mg/kg)
- MIP - Membrane Interface Probe

0 25 50 Feet

RI SOIL SVOC RESULTS

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

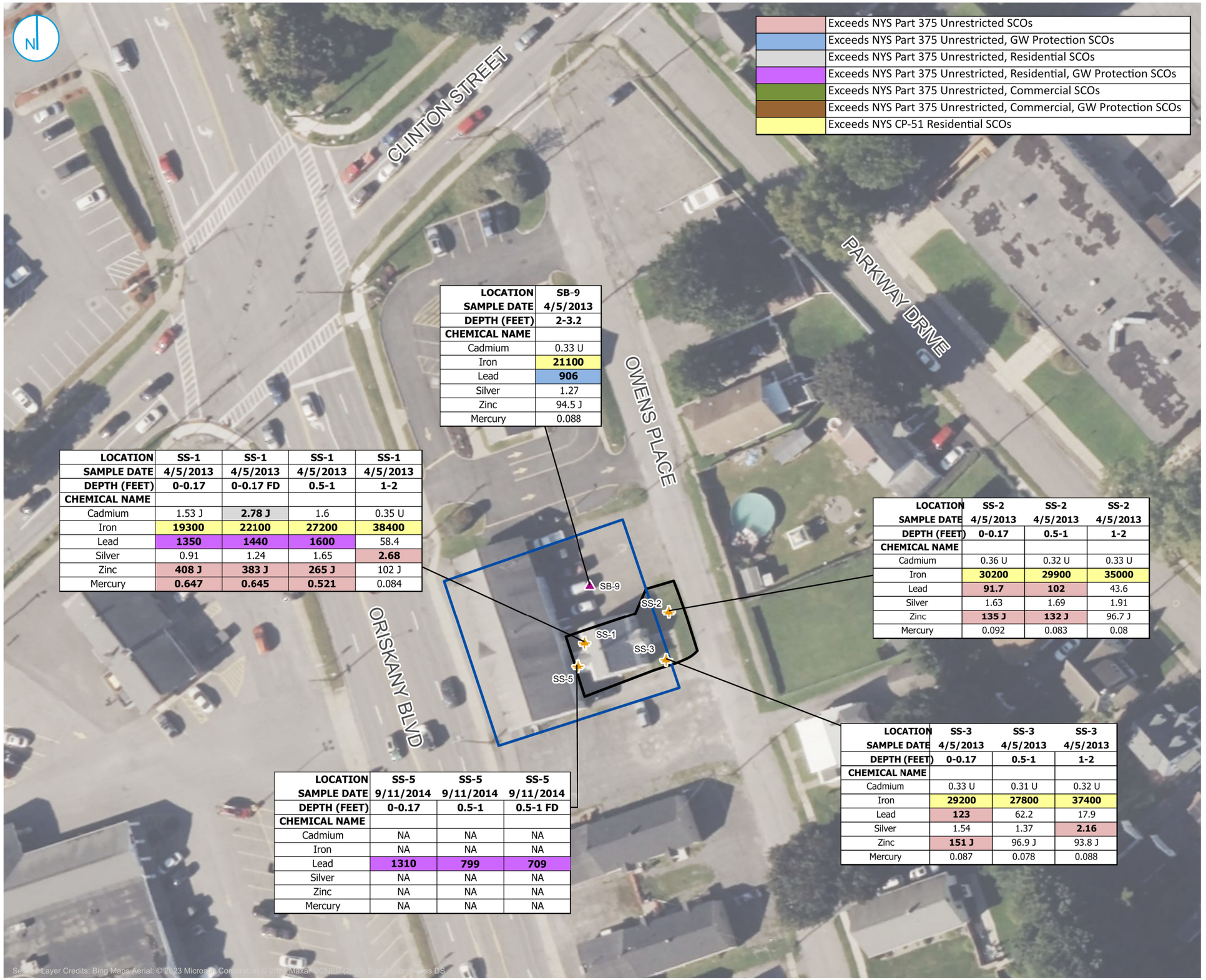
FIGURE 5-2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.8653\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprxlFig_5-2

PROJECT: 1940100088 | DATED: 5/5/2023 | DESIGNER: SSOULE



LOCATION	SB-9
SAMPLE DATE	4/5/2013
DEPTH (FEET)	2-3.2
CHEMICAL NAME	
Cadmium	0.33 U
Iron	**21100**
Lead	**906**
Silver	1.27
Zinc	94.5 J
Mercury	0.088

LOCATION	SS-1	SS-1	SS-1	SS-1
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0-0.17 FD	0.5-1	1-2
CHEMICAL NAME				
Cadmium	1.53 J	**2.78 J**	1.6	0.35 U
Iron	**19300**	**22100**	**27200**	**38400**
Lead	**1350**	**1440**	**1600**	58.4
Silver	0.91	1.24	1.65	**2.68**
Zinc	**408 J**	**383 J**	**265 J**	102 J
Mercury	**0.647**	**0.645**	**0.521**	0.084

LOCATION	SS-2	SS-2	SS-2
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0.5-1	1-2
CHEMICAL NAME			
Cadmium	0.36 U	0.32 U	0.33 U
Iron	**30200**	**29900**	**35000**
Lead	**91.7**	**102**	43.6
Silver	1.63	1.69	1.91
Zinc	**135 J**	**132 J**	96.7 J
Mercury	0.092	0.083	0.08

LOCATION	SS-3	SS-3	SS-3
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0.5-1	1-2
CHEMICAL NAME			
Cadmium	0.33 U	0.31 U	0.32 U
Iron	**29200**	**27800**	**37400**
Lead	**123**	62.2	17.9
Silver	1.54	1.37	**2.16**
Zinc	**151 J**	96.9 J	93.8 J
Mercury	0.087	0.078	0.088

LOCATION	SS-5	SS-5	SS-5
SAMPLE DATE	9/11/2014	9/11/2014	9/11/2014
DEPTH (FEET)	0-0.17	0.5-1	0.5-1 FD
CHEMICAL NAME			
Cadmium	NA	NA	NA
Iron	NA	NA	NA
Lead	**1310**	**799**	**709**
Silver	NA	NA	NA
Zinc	NA	NA	NA
Mercury	NA	NA	NA

RI SAMPLE LOCATION
- SOIL BORING/SURFACE SOIL
- SOIL BORING/MIP
- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL

Notes
- All units in milligrams per kilogram (mg/kg)
- MIP - Membrane Interface Probe

0 25 50 Feet

RI SOIL INORGANICS RESULTS

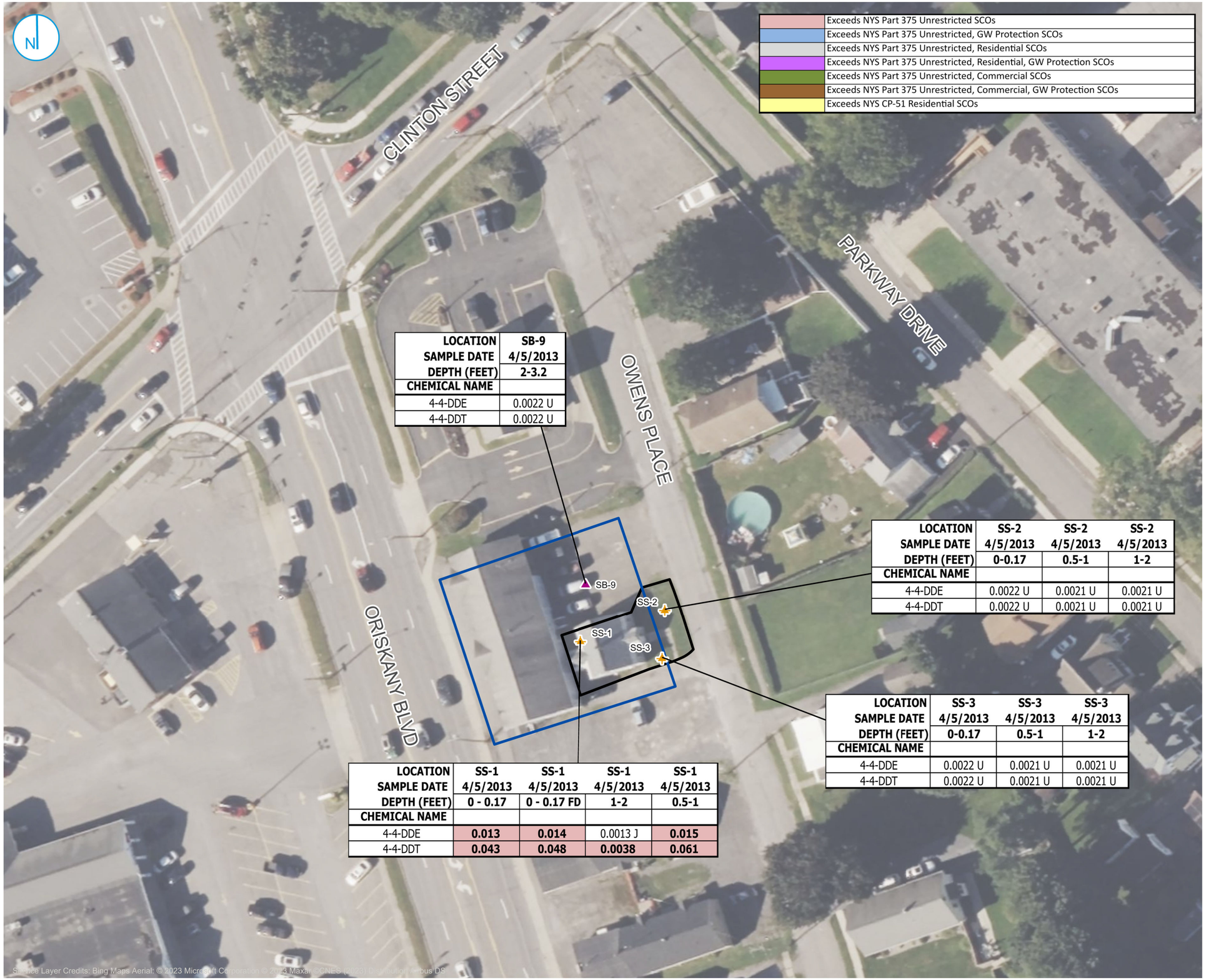
NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 5-3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86531\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprxlFig_5-3
PROJECT: 1940100088 | DATED: 5/5/2023 | DESIGNER: SSOULE



LOCATION	SB-9
SAMPLE DATE	4/5/2013
DEPTH (FEET)	2-3.2
CHEMICAL NAME	
4-4-DDE	0.0022 U
4-4-DDT	0.0022 U

LOCATION	SS-2	SS-2	SS-2
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0.5-1	1-2
CHEMICAL NAME			
4-4-DDE	0.0022 U	0.0021 U	0.0021 U
4-4-DDT	0.0022 U	0.0021 U	0.0021 U

LOCATION	SS-3	SS-3	SS-3
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0-0.17	0.5-1	1-2
CHEMICAL NAME			
4-4-DDE	0.0022 U	0.0021 U	0.0021 U
4-4-DDT	0.0022 U	0.0021 U	0.0021 U

LOCATION	SS-1	SS-1	SS-1	SS-1
SAMPLE DATE	4/5/2013	4/5/2013	4/5/2013	4/5/2013
DEPTH (FEET)	0 - 0.17	0 - 0.17 FD	1-2	0.5-1
CHEMICAL NAME				
4-4-DDE	**0.013**	**0.014**	0.0013 J	**0.015**
4-4-DDT	**0.043**	**0.048**	**0.0038**	**0.061**

RI SAMPLE LOCATION
- SOIL BORING/SURFACE SOIL
- SOIL BORING/MIP
- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL

Notes
- All units in milligrams per kilogram (mg/kg)
- MIP - Membrane Interface Probe

0 25 50 Feet

RI SOIL PESTICIDE RESULTS

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 5-4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86531\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprxlFig_5-4
PROJECT: 1940100088 | DATED: 5/5/2023 | DESIGNER: SSOULE



MIP XSD READINGS (µV)

- 0 - 19,999
- 20,000 - 49,999
- 50,000 - 100,000
- 100,001 - 350,000
- 350,001 - 657,445
- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL

0 20 40 Feet

ZONE A
MIP MAXIMUM XSD READING

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 5-5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86653\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprxlFig_5-5

PROJECT: 1940100088 | DATED: 5/5/2023 | DESIGNER: SSOULE



MIP XSD READINGS (µV)

- 0 - 19,999
- 20,000 - 49,999
- 50,000 - 100,000
- 100,001 - 350,000
- 350,001 - 383,007
- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL

0 20 40 Feet

ZONE B
MIP MAXIMUM XSD READING

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 5-6

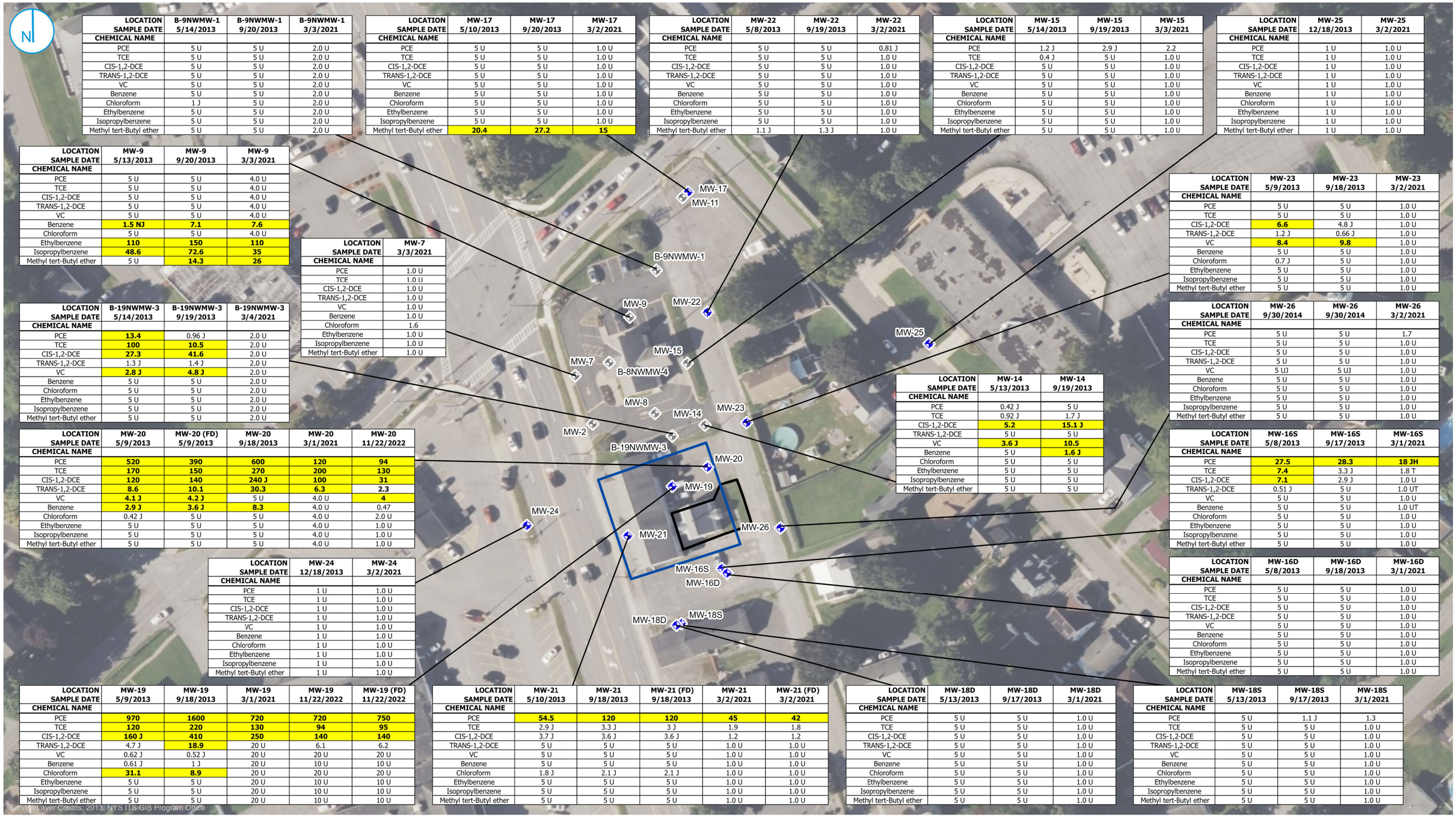
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Parsons-Eng.86653\STDS\GIS\Whitesbor-DryPRO\Whitesboro_Figure_Updates_202203\Whitesboro_Figure_Updates_202203.aprxlFig_5-6

PROJECT: 1940100088 | DATED: 5/5/2023 | DESIGNER: SSOULE

I:\Parsons-Eng.8653\STDS\GIS\Whitesbor-DryPRO\Whitesboro\Whitesboro.aprx\Fig_5-7



LOCATION SAMPLE DATE	B-9NWMW-1 5/14/2013	B-9NWMW-1 9/20/2013	B-9NWMW-1 3/3/2021
CHEMICAL NAME			
PCE	5 U	5 U	2.0 U
TCE	5 U	5 U	2.0 U
CIS-1,2-DCE	5 U	5 U	2.0 U
TRANS-1,2-DCE	5 U	5 U	2.0 U
VC	5 U	5 U	2.0 U
Benzene	5 U	5 U	2.0 U
Chloroform	1 J	5 U	2.0 U
Ethylbenzene	5 U	5 U	2.0 U
Isopropylbenzene	5 U	5 U	2.0 U
Methyl tert-Butyl ether	5 U	5 U	2.0 U

LOCATION SAMPLE DATE	MW-17 5/10/2013	MW-17 9/20/2013	MW-17 3/2/2021
CHEMICAL NAME			
PCE	5 U	5 U	1.0 U
TCE	5 U	5 U	1.0 U
CIS-1,2-DCE	5 U	5 U	1.0 U
TRANS-1,2-DCE	5 U	5 U	1.0 U
VC	5 U	5 U	1.0 U
Benzene	5 U	5 U	1.0 U
Chloroform	5 U	5 U	1.0 U
Ethylbenzene	5 U	5 U	1.0 U
Isopropylbenzene	5 U	5 U	1.0 U
Methyl tert-Butyl ether	**20.4**	**27.2**	**15**

LOCATION SAMPLE DATE	MW-22 5/8/2013	MW-22 9/19/2013	MW-22 3/2/2021
CHEMICAL NAME			
PCE	5 U	5 U	0.81 J
TCE	5 U	5 U	1.0 U
CIS-1,2-DCE	5 U	5 U	1.0 U
TRANS-1,2-DCE	5 U	5 U	1.0 U
VC	5 U	5 U	1.0 U
Benzene	5 U	5 U	1.0 U
Chloroform	5 U	5 U	1.0 U
Ethylbenzene	5 U	5 U	1.0 U
Isopropylbenzene	5 U	5 U	1.0 U
Methyl tert-Butyl ether	1.1 J	1.3 J	1.0 U

LOCATION SAMPLE DATE	MW-15 5/14/2013	MW-15 9/19/2013	MW-15 3/3/2021
CHEMICAL NAME			
PCE	1.2 J	2.9 J	2.2
TCE	0.4 J	5 U	1.0 U
CIS-1,2-DCE	5 U	5 U	1.0 U
TRANS-1,2-DCE	5 U	5 U	1.0 U
VC	5 U	5 U	1.0 U
Benzene	5 U	5 U	1.0 U
Chloroform	5 U	5 U	1.0 U
Ethylbenzene	5 U	5 U	1.0 U
Isopropylbenzene	5 U	5 U	1.0 U
Methyl tert-Butyl ether	5 U	5 U	1.0 U

LOCATION SAMPLE DATE	MW-25 12/18/2013	MW-25 3/2/2021
CHEMICAL NAME		
PCE	1 U	1.0 U
TCE	1 U	1.0 U
CIS-1,2-DCE	1 U	1.0 U
TRANS-1,2-DCE	1 U	1.0 U
VC	1 U	1.0 U
Benzene	1 U	1.0 U
Chloroform	1 U	1.0 U
Ethylbenzene	1 U	1.0 U
Isopropylbenzene	1 U	1.0 U
Methyl tert-Butyl ether	1 U	1.0 U

LOCATION SAMPLE DATE	MW-9 5/13/2013	MW-9 9/20/2013	MW-9 3/3/2021
CHEMICAL NAME			
PCE	5 U	5 U	4.0 U
TCE	5 U	5 U	4.0 U
CIS-1,2-DCE	5 U	5 U	4.0 U
TRANS-1,2-DCE	5 U	5 U	4.0 U
VC	5 U	5 U	4.0 U
Benzene	**1.5 NJ**	**7.1**	**7.6**
Chloroform	5 U	5 U	4.0 U
Ethylbenzene	**110**	**150**	**110**
Isopropylbenzene	**48.6**	**72.6**	**35**
Methyl tert-Butyl ether	5 U	**14.3**	**26**

LOCATION SAMPLE DATE	MW-7 3/3/2021
CHEMICAL NAME	
PCE	1.0 U
TCE	1.0 U
CIS-1,2-DCE	1.0 U
TRANS-1,2-DCE	1.0 U
VC	1.0 U
Benzene	1.0 U
Chloroform	1.6
Ethylbenzene	1.0 U
Isopropylbenzene	1.0 U
Methyl tert-Butyl ether	1.0 U

LOCATION SAMPLE DATE	MW-23 5/9/2013	MW-23 9/18/2013	MW-23 3/2/2021
CHEMICAL NAME			
PCE	5 U	5 U	1.0 U
TCE	5 U	5 U	1.0 U
CIS-1,2-DCE	**6.6**	4.8 J	1.0 U
TRANS-1,2-DCE	1.2 J	0.66 J	1.0 U
VC	**8.4**	**9.8**	1.0 U
Benzene	5 U	5 U	1.0 U
Chloroform	0.7 J	5 U	1.0 U
Ethylbenzene	5 U	5 U	1.0 U
Isopropylbenzene	5 U	5 U	1.0 U
Methyl tert-Butyl ether	5 U	5 U	1.0 U

LOCATION SAMPLE DATE	B-19NWMW-3 5/14/2013	B-19NWMW-3 9/19/2013	B-19NWMW-3 3/4/2021
CHEMICAL NAME			
PCE	**13.4**	0.96 J	2.0 U
TCE	**100**	**10.5**	2.0 U
CIS-1,2-DCE	**27.3**	**41.6**	2.0 U
TRANS-1,2-DCE	1.3 J	1.4 J	2.0 U
VC	**2.8 J**	**4.8 J**	2.0 U
Benzene	5 U	5 U	2.0 U
Chloroform	5 U	5 U	2.0 U
Ethylbenzene	5 U	5 U	2.0 U
Isopropylbenzene	5 U	5 U	2.0 U
Methyl tert-Butyl ether	5 U	5 U	2.0 U

LOCATION SAMPLE DATE	MW-14 5/13/2013	MW-14 9/19/2013
CHEMICAL NAME		
PCE	0.42 J	5 U
TCE	0.92 J	1.7 J
CIS-1,2-DCE	**5.2**	**15.1 J**
TRANS-1,2-DCE	5 U	5 U
VC	**3.6 J**	**10.5**
Benzene	5 U	**1.6 J**
Chloroform	5 U	5 U
Ethylbenzene	5 U	5 U
Isopropylbenzene	5 U	5 U
Methyl tert-Butyl ether	5 U	5 U

LOCATION SAMPLE DATE	MW-26 9/30/2014	MW-26 9/30/2014	MW-26 3/2/2021
CHEMICAL NAME			
PCE	5 U	5 U	1.7
TCE	5 U	5 U	1.0 U
CIS-1,2-DCE	5 U	5 U	1.0 U
TRANS-1,2-DCE	5 U	5 U	1.0 U
VC	5 UJ	5 UJ	1.0 U
Benzene	5 U	5 U	1.0 U
Chloroform	5 U	5 U	1.0 U
Ethylbenzene	5 U	5 U	1.0 U
Isopropylbenzene	5 U	5 U	1.0 U
Methyl tert-Butyl ether	5 U	5 U	1.0 U

LOCATION SAMPLE DATE	MW-20 5/9/2013	MW-20 (FD) 5/9/2013	MW-20 9/18/2013	MW-20 3/1/2021	MW-20 11/22/2022
CHEMICAL NAME					
PCE	**520**	**390**	**600**	**120**	**94**
TCE	**170**	**150**	**270**	**200**	**130**
CIS-1,2-DCE	**120**	**140**	**240 J**	**100**	**31**
TRANS-1,2-DCE	**8.6**	**10.1**	**30.3**	**6.3**	**2.3**
VC	**4.1 J**	**4.2 J**	5 U	4.0 U	**4**
Benzene	**2.9 J**	**3.6 J**	**8.3**	4.0 U	0.47
Chloroform	0.42 J	5 U	5 U	4.0 U	2.0 U
Ethylbenzene	5 U	5 U	5 U	4.0 U	1.0 U
Isopropylbenzene	5 U	5 U	5 U	4.0 U	1.0 U
Methyl tert-Butyl ether	5 U	5 U	5 U	4.0 U	1.0 U

LOCATION SAMPLE DATE	MW-16S 5/8/2013	MW-16S 9/17/2013	MW-16S 3/1/2021
CHEMICAL NAME			
PCE	**27.5**	**28.3**	**18 JH**
TCE	**7.4**	3.3 J	1.8 T
CIS-1,2-DCE	**7.1**	2.9 J	1.0 U
TRANS-1,2-DCE	0.51 J	5 U	1.0 UT
VC	5 U	5 U	1.0 U
Benzene	5 U	5 U	1.0 UT
Chloroform	5 U	5 U	1.0 U
Ethylbenzene	5 U	5 U	1.0 U
Isopropylbenzene	5 U	5 U	1.0 U
Methyl tert-Butyl ether	5 U	5 U	1.0 U

LOCATION SAMPLE DATE	MW-24 12/18/2013	MW-24 3/2/2021
CHEMICAL NAME		
PCE	1 U	1.0 U
TCE	1 U	1.0 U
CIS-1,2-DCE	1 U	1.0 U
TRANS-1,2-DCE	1 U	1.0 U
VC	1 U	1.0 U
Benzene	1 U	1.0 U
Chloroform	1 U	1.0 U
Ethylbenzene	1 U	1.0 U
Isopropylbenzene	1 U	1.0 U
Methyl tert-Butyl ether	1 U	1.0 U

LOCATION SAMPLE DATE	MW-16D 5/8/2013	MW-16D 9/18/2013	MW-16D 3/1/2021
CHEMICAL NAME			
PCE	5 U	5 U	1.0 U
TCE	5 U	5 U	1.0 U
CIS-1,2-DCE	5 U	5 U	1.0 U
TRANS-1,2-DCE	5 U	5 U	1.0 U
VC	5 U	5 U	1.0 U
Benzene	5 U	5 U	1.0 U
Chloroform	5 U	5 U	1.0 U
Ethylbenzene	5 U	5 U	1.0 U
Isopropylbenzene	5 U	5 U	1.0 U
Methyl tert-Butyl ether	5 U	5 U	1.0 U

LOCATION SAMPLE DATE	MW-19 5/9/2013	MW-19 9/18/2013	MW-19 3/1/2021	MW-19 11/22/2022	MW-19 (FD) 11/22/2022
CHEMICAL NAME					
PCE	**970**	**1600**	**720**	**720**	**750**
TCE	**120**	**220**	**130**	**94**	**95**
CIS-1,2-DCE	**160 J**	**410**	**250**	**140**	**140**
TRANS-1,2-DCE	4.7 J	**18.9**	20 U	6.1	6.2
VC	0.62 J	0.52 J	20 U	20 U	20 U
Benzene	0.61 J	1 J	20 U	10 U	10 U
Chloroform	**31.1**	**8.9**	20 U	20 U	20 U
Ethylbenzene	5 U	5 U	20 U	10 U	10 U
Isopropylbenzene	5 U	5 U	20 U	10 U	10 U
Methyl tert-Butyl ether	5 U	5 U	20 U	10 U	10 U

LOCATION SAMPLE DATE	MW-21 5/10/2013	MW-21 9/18/2013	MW-21 (FD) 9/18/2013	MW-21 3/2/2021	MW-21 (FD) 3/2/2021
CHEMICAL NAME					
PCE	**54.5**	**120**	**120**	**45**	**42**
TCE	2.9 J	3.3 J	3 J	1.9	1.8
CIS-1,2-DCE	3.7 J	3.6 J	3.6 J	1.2	1.2
TRANS-1,2-DCE	5 U	5 U	5 U	1.0 U	1.0 U
VC	5 U	5 U	5 U	1.0 U	1.0 U
Benzene	5 U	5 U	5 U	1.0 U	1.0 U
Chloroform	1.8 J	2.1 J	2.1 J	1.0 U	1.0 U
Ethylbenzene	5 U	5 U	5 U	1.0 U	1.0 U
Isopropylbenzene	5 U	5 U	5 U	1.0 U	1.0 U
Methyl tert-Butyl ether	5 U	5 U	5 U	1.0 U	1.0 U

LOCATION SAMPLE DATE	MW-18D 5/13/2013	MW-18D 9/17/2013	MW-18D 3/1/2021
CHEMICAL NAME			
PCE	5 U	5 U	1.0 U
TCE	5 U	5 U	1.0 U
CIS-1,2-DCE	5 U	5 U	1.0 U
TRANS-1,2-DCE	5 U	5 U	1.0 U
VC	5 U	5 U	1.0 U
Benzene	5 U	5 U	1.0 U
Chloroform	5 U	5 U	1.0 U
Ethylbenzene	5 U	5 U	1.0 U
Isopropylbenzene	5 U	5 U	1.0 U
Methyl tert-Butyl ether	5 U	5 U	1.0 U

LOCATION SAMPLE DATE	MW-18S 5/13/2013	MW-18S 9/17/2013	MW-18S 3/1/2021
CHEMICAL NAME			
PCE	5 U	1.1 J	1.3
TCE	5 U	5 U	1.0 U
CIS-1,2-DCE	5 U	5 U	1.0 U
TRANS-1,2-DCE	5 U	5 U	1.0 U
VC	5 U	5 U	1.0 U
Benzene	5 U	5 U	1.0 U
Chloroform	5 U	5 U	1.0 U
Ethylbenzene	5 U	5 U	1.0 U
Isopropylbenzene	5 U	5 U	1.0 U
Methyl tert-Butyl ether	5 U	5 U	1.0 U

RI MONITORING WELL
HISTORIC MONITORING WELL
SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
RESIDENTIAL SUB-PARCEL

LOCATION SAMPLE DATE	MW-14 5/13/2013	MW-14 9/19/2013
CHEMICAL NAME		
PCE	0.42 J	5 U
TCE	0.92 J	1.7 J
CIS-1,2-DCE	**5.2**	**15.1 J**
TRANS-1,2-DCE	5 U	5 U
VC	**3.6 J**	**10.5**
Benzene	5 U	**1.6 J**
Chloroform	5 U	5 U
Ethylbenzene	5 U	5 U
Isopropylbenzene	5 U	5 U
Methyl tert-Butyl ether	5 U	5 U

EXCEEDS NYS CLASS GA GROUNDWATER CRITERIA

RESULTS IN PPB

NOTES:
- J - ESTIMATED VALUE
- PPB - PARTS PER BILLION
- U - NOT DETECTED AT THE DETECTION LIMIT SHOWN

0 40 80 Feet

RI GROUNDWATER VOC RESULTS

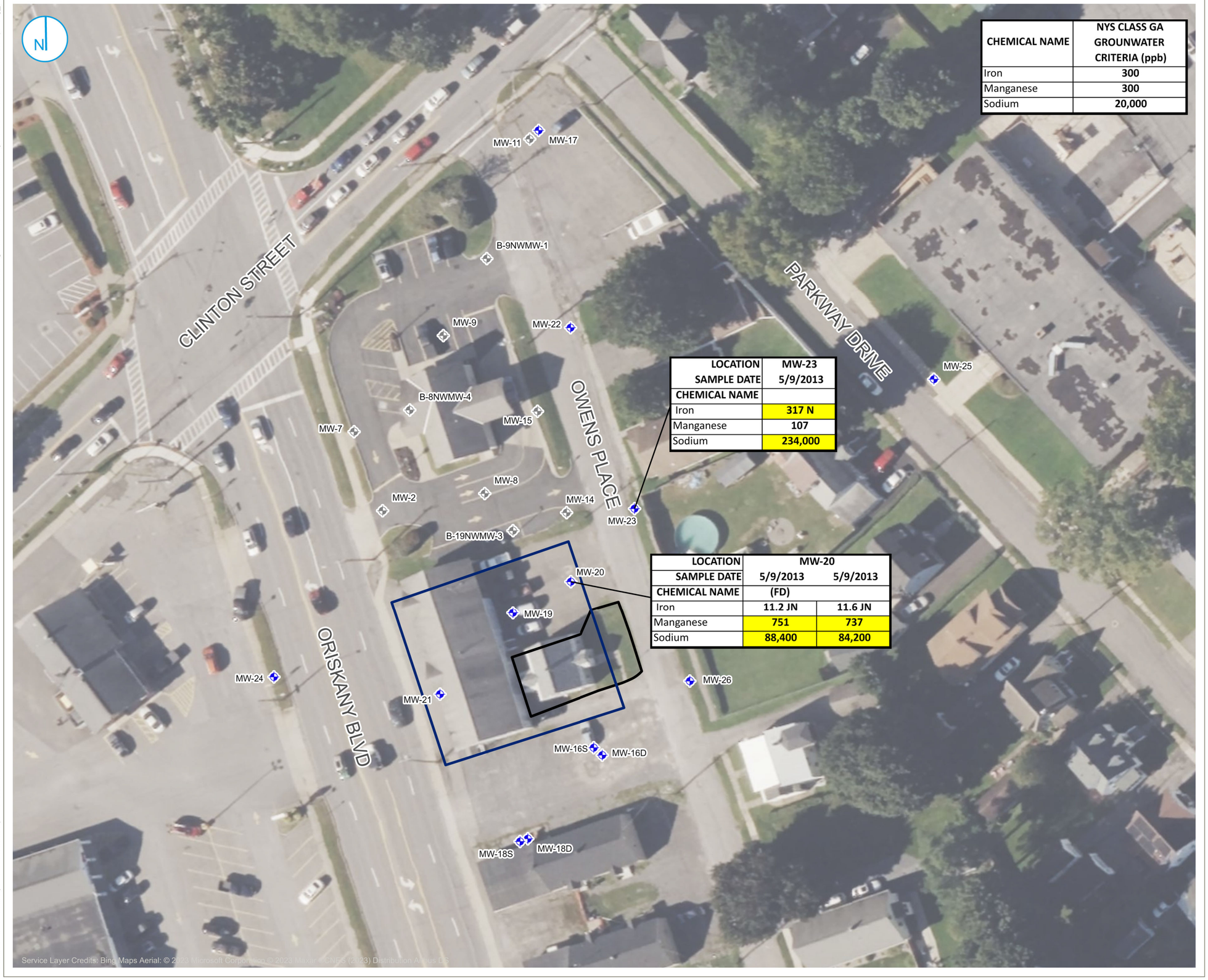
NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 5-7

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

PROJECT: 1940100088 | DATED: 5/11/2023 | DESIGNER: SSOULE

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CHEMICAL NAME	NYS CLASS GA GROUNWATER CRITERIA (ppb)
Iron	300
Manganese	300
Sodium	20,000

LOCATION	MW-23
SAMPLE DATE	5/9/2013
CHEMICAL NAME	
Iron	317 N
Manganese	107
Sodium	234,000

LOCATION	MW-20	
SAMPLE DATE	5/9/2013	5/9/2013
CHEMICAL NAME	(FD)	
Iron	11.2 JN	11.6 JN
Manganese	751	737
Sodium	88,400	84,200

- HISTORIC MONITORING WELL
- RI MONITORING WELL
- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL

LOCATION	MW-23
SAMPLE DATE	5/9/2013
CHEMICAL NAME	
Iron	317 N
Manganese	107
Sodium	234,000

EXCEEDS NYS CLASS GA GROUNDWATER CRITERIA

RESULTS IN ppb

Notes
- MW-24, MW-25, and MW-26 not installed at the time of sampling
- Data shown for all May 2013 sampled wells

0 25 50 Feet

RI GROUNDWATER INORGANICS RESULTS
MAY 2013

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

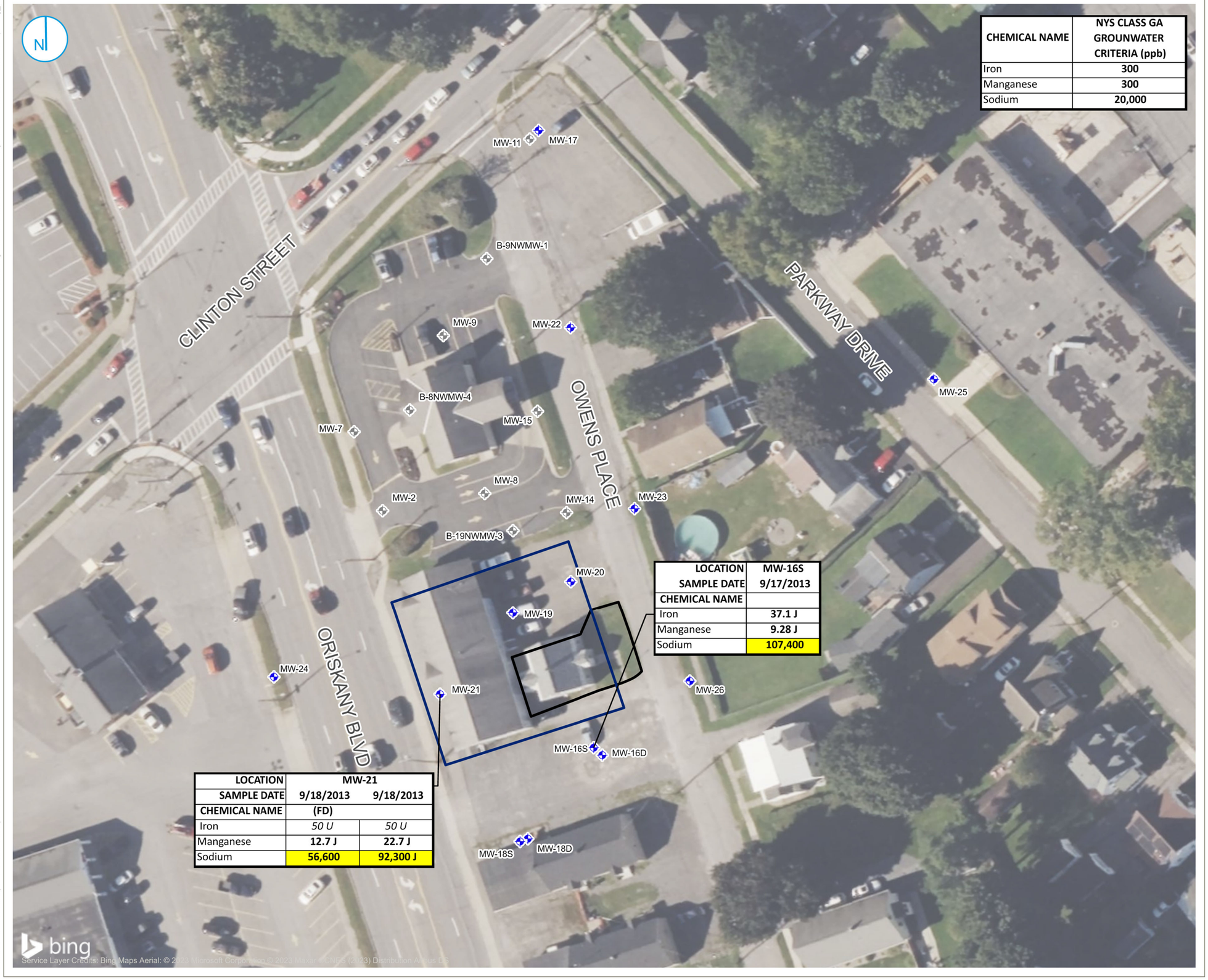
FIGURE 5-8

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940100088 | DATED: 5/5/2023 | DESIGNER: SSOULE

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CHEMICAL NAME	NYS CLASS GA GROUNWATER CRITERIA (ppb)
Iron	300
Manganese	300
Sodium	20,000

LOCATION	MW-21	
SAMPLE DATE	9/18/2013	9/18/2013
CHEMICAL NAME	(FD)	
Iron	*50 U*	*50 U*
Manganese	**12.7 J**	**22.7 J**
Sodium	**56,600**	**92,300 J**

LOCATION	MW-16S
SAMPLE DATE	9/17/2013
CHEMICAL NAME	
Iron	**37.1 J**
Manganese	**9.28 J**
Sodium	**107,400**

LOCATION	MW-23
SAMPLE DATE	5/9/2013
CHEMICAL NAME	
Iron	**317 N**
Manganese	**107**
Sodium	**234,000**

EXCEEDS NYS CLASS GA GROUNDWATER CRITERIA

RESULTS IN ppb

- HISTORIC MONITORING WELL
- RI MONITORING WELL
- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL

Notes
- Data shown for all September 2013 sampled wells.

0 25 50
Feet

RI GROUNDWATER INORGANICS RESULTS
SEPTEMBER 2013

NYSDEC SITE NO. 633054
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK

FIGURE 5-9

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

PROJECT: 1940100088 | DATED: 9/8/2023 | DESIGNER: SSOULE

APPENDIX A
NYSDEC SITE ACCESS LETTERS

New York State Department of Environmental Conservation
Division of Environmental Remediation
Office of the Director, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706 • **Fax:** (518) 402-9020
Website: www.dec.ny.gov

Joe Martens
Commissioner

OCT 19 2012

Certified Mail, Return Receipt Requested

Mr. Joseph Bravo
Ms. Vikki Commisso
9196 Hayes Road
Marcy, NY 13403

Property Access for Environmental Sampling
Whitesboro Dry Cleaners Site
Site No.: 633054
Village of Whitesboro, Oneida County
100 Oriskany Blvd. & 10 Owens Pl.
Whitesboro, NY 13492
Tax Map ID Nos.: 305.014-2-34.1
& 305.014-2-34.2

Dear Mr. Bravo and Ms. Commisso:

The New York State Department of Environmental Conservation (DEC) is preparing to commence a Remedial Investigation and Feasibility Study(RI/FS) related to the Whitesboro Dry Cleaners site, Site No. 633054, located in the Village of Whitesboro, Town of Whitestown. Our records indicate that you are the owners of the properties located adjacent to the site area identified on the County of Oneida, Town of Whitestown, Village of Whitesboro, Tax Map No. 305, Section 14, Parcel No. 2-33.

Environmental Conservation Law (ECL) Article 27 § 1309, (3)-(4) and ECL Article 27 § 1313(8) authorizes DEC or its authorized agents to enter upon any site, areas near such site, or area on which it has reason to believe that contaminants were disposed or discharged for purposes of inspection, sampling and testing, implementing a remedial program, long-term operation and maintenance, and temporary occupancy. This letter is to notify you of DEC's intent to exercise its right to access your property, above specified, pursuant to the cited statutory authority. This is not a notice that DEC intends to acquire the above specified property nor is it an offer to acquire it.

DEC requests your cooperation in entering upon your real property, above specified. DEC, acting through its officers, employees, agents and contractors will be entering your real property at any time on or after November 1, 2012 for the purpose of conducting the RI/FS. The purpose of the RI/FS is to determine the extent of hazardous waste contamination and to identify the best cleanup option for the site. This work requires the collection of samples of various environmental media. In order to take such samples, DEC may use or cause to be used such sampling methods as it determines to be necessary, including, but not limited to, soil sampling, soil borings, test pits, air sampling, vapor sampling, monitoring wells and geophysical studies.

DEC will make every effort to cooperate with you so that any adverse impact of its entry on and occupancy of your property will be minimized.

Any questions or concerns regarding DEC's operations on your property should be directed to Kiera Thompson, Project Manager at (518) 402-9662. Any questions regarding DEC's legal authority should be directed to Ben Conlon, Office of General Counsel at (518) 402-8556, or Nels Magnuson, Office of General Counsel at (315) 785-2404.

Sincerely,

Robert W. Schick, P.E.
Director
Division of Environmental Remediation

ec: S. Nagle, OAG
M. Ryan, DEC
D. Crosby, DEC
K. Thompson, DEC
P. Taylor, DEC
B. Conlon, DEC
M. Magnuson, DEC

New York State Department of Environmental Conservation
Division of Environmental Remediation
Office of the Director, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706 • **Fax:** (518) 402-9020
Website: www.dec.ny.gov

Joe Martens
Commissioner

OCT 19 2012

Certified Mail, Return Receipt Requested

Mr. Joseph Bravo
Ms. Vikki Commisso
9196 Hayes Road
Marcy, NY 13403

Property Access for Environmental Sampling
Whitesboro Dry Cleaners Site
Site No.: 633054
Village of Whitesboro, Oneida County
100 Oriskany Blvd. & 10 Owens Pl.
Whitesboro, NY 13492
Tax Map ID Nos.: 305.014-2-34.1
& 305.014-2-34.2

Dear Mr. Bravo and Ms. Commisso:

The New York State Department of Environmental Conservation (DEC) is preparing to commence a Remedial Investigation and Feasibility Study(RI/FS) related to the Whitesboro Dry Cleaners site, Site No. 633054, located in the Village of Whitesboro, Town of Whitestown. Our records indicate that you are the owners of the properties located adjacent to the site area identified on the County of Oneida, Town of Whitestown, Village of Whitesboro, Tax Map No. 305, Section 14, Parcel No. 2-33.

Environmental Conservation Law (ECL) Article 27 § 1309, (3)-(4) and ECL Article 27 § 1313(8) authorizes DEC or its authorized agents to enter upon any site, areas near such site, or area on which it has reason to believe that contaminants were disposed or discharged for purposes of inspection, sampling and testing, implementing a remedial program, long-term operation and maintenance, and temporary occupancy. This letter is to notify you of DEC's intent to exercise its right to access your property, above specified, pursuant to the cited statutory authority. This is not a notice that DEC intends to acquire the above specified property nor is it an offer to acquire it.

DEC requests your cooperation in entering upon your real property, above specified. DEC, acting through its officers, employees, agents and contractors will be entering your real property at any time on or after November 1, 2012 for the purpose of conducting the RI/FS. The purpose of the RI/FS is to determine the extent of hazardous waste contamination and to identify the best cleanup option for the site. This work requires the collection of samples of various environmental media. In order to take such samples, DEC may use or cause to be used such sampling methods as it determines to be necessary, including, but not limited to, soil sampling, soil borings, test pits, air sampling, vapor sampling, monitoring wells and geophysical studies.

DEC will make every effort to cooperate with you so that any adverse impact of its entry on and occupancy of your property will be minimized.

Any questions or concerns regarding DEC's operations on your property should be directed to Kiera Thompson, Project Manager at (518) 402-9662. Any questions regarding DEC's legal authority should be directed to Ben Conlon, Office of General Counsel at (518) 402-8556, or Nels Magnuson, Office of General Counsel at (315) 785-2404.

Sincerely,

Robert W. Schick, P.E.
Director
Division of Environmental Remediation

ec: S. Nagle, OAG
M. Ryan, DEC
D. Crosby, DEC
K. Thompson, DEC
P. Taylor, DEC
B. Conlon, DEC
M. Magnuson, DEC

New York State Department of Environmental Conservation
Division of Environmental Remediation
Office of the Director, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706 • **Fax:** (518) 402-9020
Website: www.dec.ny.gov



Joe Martens
Commissioner

OCT 19 2012

Certified Mail, Return Receipt Requested

Mr. Joseph Bravo
Ms. Bonnie Bravo
9196 Hayes Road
Marcy, NY 13403

Property Access for Environmental Sampling
Whitesboro Dry Cleaners Site
Site No.: 633054
Village of Whitesboro, Oneida County
Tax Map ID No.: 305.14.2-33

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As the owners of the property located within the identified site, DEC currently regards you as potentially liable for a remedial program and/or for payment of costs incurred by the State in performing a remedial program at the site. Responsible parties under the ECL include current and past owners or operators, and persons who generated the hazardous wastes or were involved in transport, treatment, or disposal of such wastes and others who may be liable under applicable principles of law. Responsible parties are jointly and severally liable for money expended by the State for necessary corrective action at a site, including you but not limited to investigation, planning, cleanup and enforcement. If you, or anyone representing you, delay the DEC's officers, employees, agents, and/or contractors from entering upon your real property, you may be assessed the costs incurred by DEC for the delay.

DEC requests your cooperation in entering upon your real property, above specified. DEC, acting through its officers, employees, agents and contractors will be entering your real

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Sincerely,

Robert W. Schick, P.E.
Director
Division of Environmental Remediation

ec: S. Nagle, OAG
M. Ryan, DEC
D. Crosby, DEC
K. Thompson, DEC
P. Taylor, DEC
B. Conlon, DEC
N. Magnuson, DEC

New York State Department of Environmental Conservation
Division of Environmental Remediation
Office of the Director, 12th Floor
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Joe Martens
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OCT 19 2012

Mr. Joseph Bravo
Ms. Bonnie Bravo
9196 Hayes Road
Marcy, NY 13403

Property Access for Environmental Sampling
Whitesboro Dry Cleaners Site
Site No.: 633054
Village of Whitesboro, Oneida County
Tax Map ID No.: 305.14.2-33

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Sincerely,

Robert W. Schick, P.E.
Director
Division of Environmental Remediation

ec: S. Nagle, OAG
M. Ryan, DEC
D. Crosby, DEC
K. Thompson, DEC
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B. Conlon, DEC
N. Magnuson, DEC

APPENDIX B
PERMITS

Permittee Copy

PERM 42 (09/09)

State of New York
Department of Transportation

Highway Work Permit

Permit No.: 20130239715

Date Issued: 10/17/2013

Project ID No.:

Expiration Date: 06/30/2014

State of New York
Department of Transportation
OCT 17 2013
RECEIVED
OCT 18 2013
GEOLOGIC

***Permittee 1:**
GEOLOGIC NY, INC.
P.O. BOX 350
HOMER, NY 13077
Emergency Contact: FORREST EARL
Emergency Number: 607-749-5000

Under the provisions of the Highway Law or Vehicle & Traffic Law, permission is hereby granted to the permittee to:

TECHNICAL DRILLING SERVICES FOR THE NYSDEC CLEAN UP OF THE PROPERTY ACCROSS THE STREET. A DRILL RIG SHALL ADVANCE ONE SOIL BORING BELOW GROUND SURFACE. ONE GROUNDWATER MONITORING WELL WILL BE INSTALLED.ALL WORK AS PER PERMIT DOCUMENTS AND AS DIRECTED BY THE RESIDENT ENGINEER. TRAFFIC CONTROL AS PER THE FEDERAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES WITH THE NYS SUPPLEMENT AND AS DIRECTED BY THE RESIDENT ENGINEER. THE PERMITTEE OR OWNER MUST OBTAIN A USE AND OCCUPANCY PERMIT TO RETAIN THE CONSTUCTED ELEMENTS WITHIN THE RIGHT-OF-WAY.

THE PERMITTEE IS RESPONSIBLE FOR TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE NYS SUPPLEMENT. ANYONE WORKING WITHIN THE HIGHWAY RIGHT-OF-WAY SHALL WEAR HIGH-VISIBILITY APPAREL MEETING THE ANSI 107-2004 CLASS II STANDARDS AND A HARD HAT.

County	Municipality	State Hwy	State Route	Beg Ref	End Ref
ONEIDA	WHITESBOROUGH	-	69	69 26023105	69 26023108

as set forth and represented in the attached application at the particular location or areas, or over the routes as stated therein, if required; and pursuant to the conditions and regulations general or special, and methods of performing work, if any; all of which are set forth in the application and form of this permit. See additional conditions on PAGE 2.
THIS PERMIT IS ISSUED BASED ON ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS BEING SATISFIED.

Dated at: Utica **Date Signed:** 10/17/2013 **Commissioner of Transportation By:** Linda A. Lubey

IMPORTANT:

THIS PERMIT, WITH APPLICATION AND DRAWING (OR COPIES THEREOF) ATTACHED, SHALL BE PLACED IN THE HANDS OF THE CONTRACTOR BEFORE ANY WORK BEGINS. THE HIGHWAY WORK PERMIT SHALL BE AVAILABLE AT THE SITE DURING CONSTRUCTION.

BEFORE WORK IS STARTED AND UPON ITS COMPLETION, THE PERMITTEE ABSOLUTELY MUST NOTIFY:

Mike Murphy, Resident Engineer 315-732-8032

"UPON COMPLETION OF WORK", SECOND TO LAST PAGE, MUST BE COMPLETED, SIGNED BY THE PERMITTEE, AND DELIVERED TO THE RESIDENT ENGINEER.

Dig Safely. New York
Know what's below. Call 811 before you dig.

The issuing authority reserves the right to suspend or revoke this permit at its discretion without a hearing or the necessity of showing cause, either before or during the operations authorized.
The Permittee will cause an approved copy of the application to be and remain attached hereto until all work under the permit is satisfactorily completed, in accordance with the terms of the attached application. All damaged or disturbed areas resulting from work performed pursuant to this permit will be repaired to the satisfaction of the Department of Transportation.

*** Upon completion of the work within the state highway right-of-way authorized by the work permit, the person, firm, corporation, municipality, or state department or agency, and his/her or its successors in interest, shall be responsible for the maintenance and repair of such work or portion of such work as set forth within the terms and conditions of the work permit.**

Permit Fee :	$0.00
Insurance Fee:	$0.00
Total Fees:	$0.00

UOF: App 1: No App 2: No

Attachments and additional requirements to this Highway Work Permit include:

PERM 33 - Highway Work Permit Application for Non_Utility Work

END OF ATTACHMENTS

PERM 42 (09/09)

State of New York
Department of Transportation

Highway Work Permit

Permit No.: 20130239715
Date Issued: 10/17/2013
Project ID No.:
Expiration Date: 06/30/2014

Return this page to:

Mike Murphy, Resident Engineer
2436 Chenango Road
Utica, NY 13502

Permittee 1: GEOLOGIC NY, INC.
P.O. BOX 350
HOMER , NY 13077 -

UPON COMPLETION OF WORK AUTHORIZED, THIS PAGE OF THE PERMIT MUST BE COMPLETED, SIGNED BY THE PERMITTEE, AND DELIVERED TO THE RESIDENT ENGINEER.
Work authorized by this permit has been completed. Refund of deposit or return/release of bond is requested.

11-25-13 Geologic NY, Inc. Patricia Hart

DATE PERMITTEE AUTHORIZED AGENT (if any)

TO BE COMPLETED BY NYSDOT:

Work authorized by this permit has been satisfactorily completed and is accepted. **Inspection Report must be completed.**

- ☐ Refund of Deposit is authorized
- ☐ Return of Bond is authorized
- ☐ Unable to meet schedule as specified in bid proposal
- ☐ Amount charged against Bond may be released.
- ☐ Retain bond for future permits
- ☐ Forfeit of Guarantee Deposit is authorized
- ☐ Other

DATE RESIDENT ENGINEER

☐ Mailing address of refund has been verified.
If different, list new address:

The Regional Office will forward this form to the Main Office with the appropriate box checked.

- ☐ Permit closed
- ☐ Bond returned/released
- ☐ Refund of Guarantee Deposit on this permit is authorized
- ☐ Forfeit Guarantee Deposit to NYSDOT
- ☐ Other

DATE REGIONAL TRAFFIC ENGINEER

INSPECTION REPORT

For each Highway Work Permit issued, inspections will be performed. The following report must be completed for each site visit, indicating the date, inspector, and hours spent on inspection. **If the total inspection time exceeds 1 hour, then a FIN 12 (PERMIT INSPECTION FOR DEPARTMENT SERVICES) is REQUIRED.**

INSPECTION REPORT LOG

HOURS WORKED BY DATE									HOURS	
Inspector Name	Date Inspected								Regular	Overtime
	Regular									
	Overtime									
Inspector Name	Date Inspected								Regular	Overtime
	Regular									
	Overtime									
Inspector Name	Date Inspected								Regular	Overtime
	Regular									
	Overtime									

Complete hours for each date inspected.
Add regular hour numbers across rows, and then overtime hours across rows.
Add hour columns down for total hours of permit inspection time.

COMMENTS/OBSERVATIONS:

_____
_____
_____
_____
_____
_____
_____
_____
_____

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED ABOVE IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

_____

NAME **TITLE**

PERM 33 (8/01)

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION
HIGHWAY WORK PERMIT APPLICATION FOR NON-UTILITY WORK

PREPARE 3 COPIES
(photocopies acceptable)

Application is hereby made for a highway work permit:

Name GeoLogic NY, Inc.

Address PO Box 350

City Homer State NY Zip 13077

Federal I.D. No. or Social Security No. 16-1420642

Applicant Telephone No. 607-749-5000

Contact person in case of emergency Forrest Earl

Telephone No. of contact person 607-749-5000

For Joint application, name and address of Second Applicant below:

Name

Address

City State Zip

Project Identification No.

Highway Work Permit No.

RETURN PERMIT TO (If different from above):

Name

Address

City State Zip

RETURN OF DEPOSIT/BOND TO (Complete only if different from permittee):

Name

Address

City State Zip

1. Estimated cost of work being performed in state highway right-of-way $ $1,000.00

2. Anticipated duration of work: From 10/21 20, 13 thru 12/31, 20 13, to apply to the operation(s) checked on the reverse side.

3. Protective Liability Insurance covered by Policy No. CG3785282 ; expires on 01/01 20 14

4. A $20.00 fee will be charged for checks returned by the bank.

PROPOSED WORK (Brief description): Technical Drilling Services. A drill rig shall advance one soil boring below ground surface. One groundwater monitoring wells will be installed.

ATTACHED: Plans X Specifications LOCATION: State Route 69 State Highway

between Reference Marker 69/2602/31.05 and Reference Marker 69/2602/31.08

Town of: Whitestown County of: Oneida

SEQR REQUIREMENTS (Check appropriate item):

☐ Exempt ☒ Ministerial ☐ Type 11 ☐ EIS or DEIS Lead Agency

If project is identified to be ministerial, exempt, or TYPE 11, no further action is required.

If project is determined to be other than ministerial, exempt, or TYPE 11, refer to M.A.P.7.12-2, Appendix A SEQR REQUIREMENTS FOR HIGHWAY WORK PERMITS.

Acceptance of the requested permit subjects the permittee to the restrictions, regulations and obligations stated on this application and on the permit.

Applicant Signature Patricia Hart Date 10/8 20 13.

Second Applicant Signature Date 20 .

Approval recommended 10/17 20 13 By Resident Engineer Residency No. 2-6

Approved 10/17 20 13 By Regional Traffic Engineer for (LAC) Region No. 3

PERMIT IS ISSUED CONTINGENT UPON LOCAL REQUIREMENTS BEING SATISFIED.

CHECK TYPE OF OPERATION	Permit Fee	Insurance Fee	Perm 17 or Under Taking	Total Amount of Fee and/or Insurance	Guarantee Deposit and/or Bond Amount
5. ☐ Single job – Permit issued for each job					
a. ☐ Driveway or roadway					
1. ☐ Residential	$ 15	$ 25			
2. ☐ Commercial – Minor	550	175			
a. ☐ Home Business	100	75			
3. ☐ Commercial – Major – (Less than 100,000 square feet Gross Building Area)	1400	N/A			
4. ☐ Commercial – Major – (100,000 square feet Gross Building Area and Greater)	Actual cost with Minimum of $2000 upon permit app.	N/A			
5. ☐ Subdivision Street	900	N/A			
6. ☐ Temporary access road or street	200	150			
b. ☐ Improvement					
1. ☐ Residential	15	25			
2. ☐ Commercial					
Check additional description below:					
a. ☐ Install sidewalk, curb paving, stabilized shoulder, drainage, etc.	200	150			
b. ☐ Grade, seed, improve land contour, clear land of brush, etc.	100	75			
c. ☐ Resurface existing roadway or driveway	50	50			
d. ☐ Annual resurfacing of residential and commercial roadways or driveways.					
1. ☐ Per County	150	N/A			
2. ☐ Per Region	400	N/A			
c. ☐ Tree Work					
1. ☐ Residential	15	25			
2. ☐ Commercial (not required for pruning if utility has annual maintenance permit)	25	50			
Check additional description below:					
a. ☐ Removal or planting					
b. ☐ Pruning, applying chemicals to stumps, etc.					
3. ☐ Vegetation control for advertising signs	150/sign	75			
d. ☐ Miscellaneous Construction					
1. ☐ Beautifying ROW – (for Civic Groups only)	NC	25			
2. ☐ Temporary signs, banners, holiday decorations					
a. ☐ Not-for-profit organizations	NC	25			
b. ☐ Organizations other than not-for-profit	25	25			
3. ☐ Traffic control signals	500	175			
4. ☐ Warning and entrance signs	25	50			
5. ☐ Miscellaneous – Requiring substantial review	400	175			
6. ☐ Miscellaneous	25	50			
6. ☐ Encroachment caused by D.O.T. acquisition of property	25	50			
7. ☐ Compulsory permit required for work performed at the request of D.O.T.					
a. ☐ Building demolition or moving requested by D.O.T.	NC	25			
1. ☐ Demolition 2. ☐ Moving					
b. ☐ Improvement to meet Department standards	NC	25			
8. ☑ Miscellaneous	25	25			
9. ☐ Adopt a Highway	NC	N/A			

PERM 17 ON FILE ACT. NO. 25-241 EXP. 01/01/14

FEE WAIVED NYSDEC CONTRACT

Guarantee Deposit Check Number or Bond Number _____

PERM 17 (04/07)

CERTIFICATE OF INSURANCE FOR HIGHWAY WORK PERMIT
TO BE PREPARED BY INSURANCE AGENCY OR INSURANCE COMPANY

THIS CERTIFICATE OF INSURANCE WILL SUPERSEDE ALL OTHER CERTIFICATES OF INSURANCE NOW ON FILE WITH THE NYSDOT AND MUST BE IN EFFECT FOR THE FULL TERM OF THE PERMIT. EXPIRATION OF, OR LACK OF, LIABILITY INSURANCE AUTOMATICALLY INVALIDATES THE PERMIT.

Highway Work Permits: Used for installing and/or maintaining facilities on State right-of-way – coverage in such case shall be written as a protective liability insurance policy and shall also include completed operations liability insurance with respect to liability imposed by laws arising between the date and final cessation of the work pursuant to the Highway Work Permit and the date of final acceptance of such work by the State. Questions 1-6 are to be filled in by permit applicant. The rest of the form is for insurance agent or broker to fill in and agree to.

1. NAME OF PERMIT APPLICANT
   Geologic NY Inc. Etal
   (The Legal Name of the Business Entity, i.e., Corporation, Partnership or individuals. **NOTE**: If DBA, also provide Name of Legal Entity and Copy of "Certificate of Conducting Business under an Assumed Name" that was filed in County Clerk's Office.)

2. FEIN Number 161420642
   (Federal Employee Identification Number, also known as the IRS Tax Identification Number.)

3. PHYSICAL ADDRESS OF PERMIT APPLICANT
   37 Copeland Ave, Homer, NY 13077
   (Provide street address of principal place of business; may attach additional PERM 17 ATTACHMENT sheet listing physical addresses of branch offices (page (4)), *if application for permits will be for those locations.)*
   ☐ **PLEASE CHECK HERE IF THIS IS A CHANGE OF ADDRESS**

4. MAILING ADDRESS OF PERMIT APPLICANT
   PO Box 350, Homer, NY 13077
   (If different than above) ☐ **PLEASE CHECK HERE IF THIS IS A CHANGE OF ADDRESS**

5. TELEPHONE NUMBER OF PERMIT APPLICANT
   607-749-5000

6. NAME OF PERMIT APPLICANT CONTACT PERSON
   Forrest Earl

7. 7a. PROTECTIVE LIABILITY POLICY NUMBER
   CG3785282
   (See Policy requirements in A or B on reverse) **Binders, and unassigned policy numbers are only valid for 30 days.**

   7b. EFFECTIVE DATE 1/1/13 EXPIRATION DATE 1/1/14
   ☐ **PLEASE CHECK HERE AND SIGN BELOW IF COVERAGE IS CONTINUOUS UNTIL CANCELLED**
   Insurer agrees to notify NYSDOT at least 30 days prior to the expiration or cancellation of said policy.

   (Authorized Signature of Insurance Agent or Broker is Required to indicate agreement to notify NYSDOT)

8. Submit to the New York State Department of Transportation Regional Office where the permit work will occur. If the permit work occurs in multiple Regions submit this form to one Region and the New York State Department of Transportation will coordinate its acceptance. See Page 3 for a Regional listing with addresses.

REVERSE SIDE MUST BE COMPLETED

PERM 17 (04/07) REVERSE

In accordance with NYS Department of Transportation requirements, the subscriber hereby certifies that a **PROTECTIVE LIABILITY** insurance policy has been issued on behalf of the Permit Applicant:

A. HIGHWAY WORK PERMIT; for the protection of the people of the State of New York, all municipal subdivisions thereof, and the Commissioner and NYS Department of Transportation, the NYS Thruway Authority, the State Bridge Authority and their officials, officers, and employees as named insureds, **(and no other co-insureds)**, covering bodily injury (including death) with minimum limits of $500,000 each occurrence and covering property damage with minimum limits of $100,000 each accident and minimum aggregate annual limits of $500,000, against actions resulting from use of a Highway Permit by the Permittee or by an person acting by, through or for the Permittee, including omissions and supervisory acts of any of the named insureds; or

B. MAJOR COMMERCIAL HIGHWAY WORK PERMIT; for the protection of the people of the State of New York, all municipal subdivisions thereof, and the Commissioner and NYS Department of Transportation, the NYS Thruway Authority, the State Bridge Authority and their officials, officers, and employees as named insureds, **(and no other co-insureds)**, for Major Commercial Highway Work Permits – covering bodily injury (including death) with minimum limits of $1,000,000 each occurrence and covering property damage with minimum limits of $200,000 each accident and minimum aggregate annual limits of $1,000,000, against actions resulting from use of a Highway Permit by the Permittee or by an person acting by, through or for the Permittee, including omissions and supervisory acts of any of the named insureds.

The subscriber certifies and agrees that such insurance policy contains an endorsement that said policy shall not be cancelled until thirty (30) days written cancellation notice has been given the NYS Department of Transportation. Any cancellation notice shall indicate the permit applicant's name, permit account number (obtain from permit applicant), address, and policy number. Notice of reinstatement must be made by a reinstatement notice or a completed Certificate of Insurance (PERM 17) and sent to the NYS Department of Transportation. In addition, the subscriber further certifies and agrees that the insurance policy referred to herein shall not be changed or cancelled unless all work authorized has been completed and accepted by the NYS Department of Transportation.

This certificate is furnished in accordance with the rules and regulations of the NYS Department of Transportation pertaining to Highway Permits.

A Certificate of Insurance (PERM 17) is the only acceptable proof of insurance. PLEASE DO NOT SEND ACCORD FORMS, INSURANCE CARDS. Altered certificates will NOT be accepted. Updates and changes may be made by submitting a new Certificate of Insurance (PERM 17); the most recent form will supersede all previous Certificates of Insurance (PERM 17) on file with the NYS Department of Transportation.

Utica Mutual Insurance
Name of Insurance Company (please print)

201 Lafayette Street, Utica, NY 13501
Address of Insurance Company (please print)

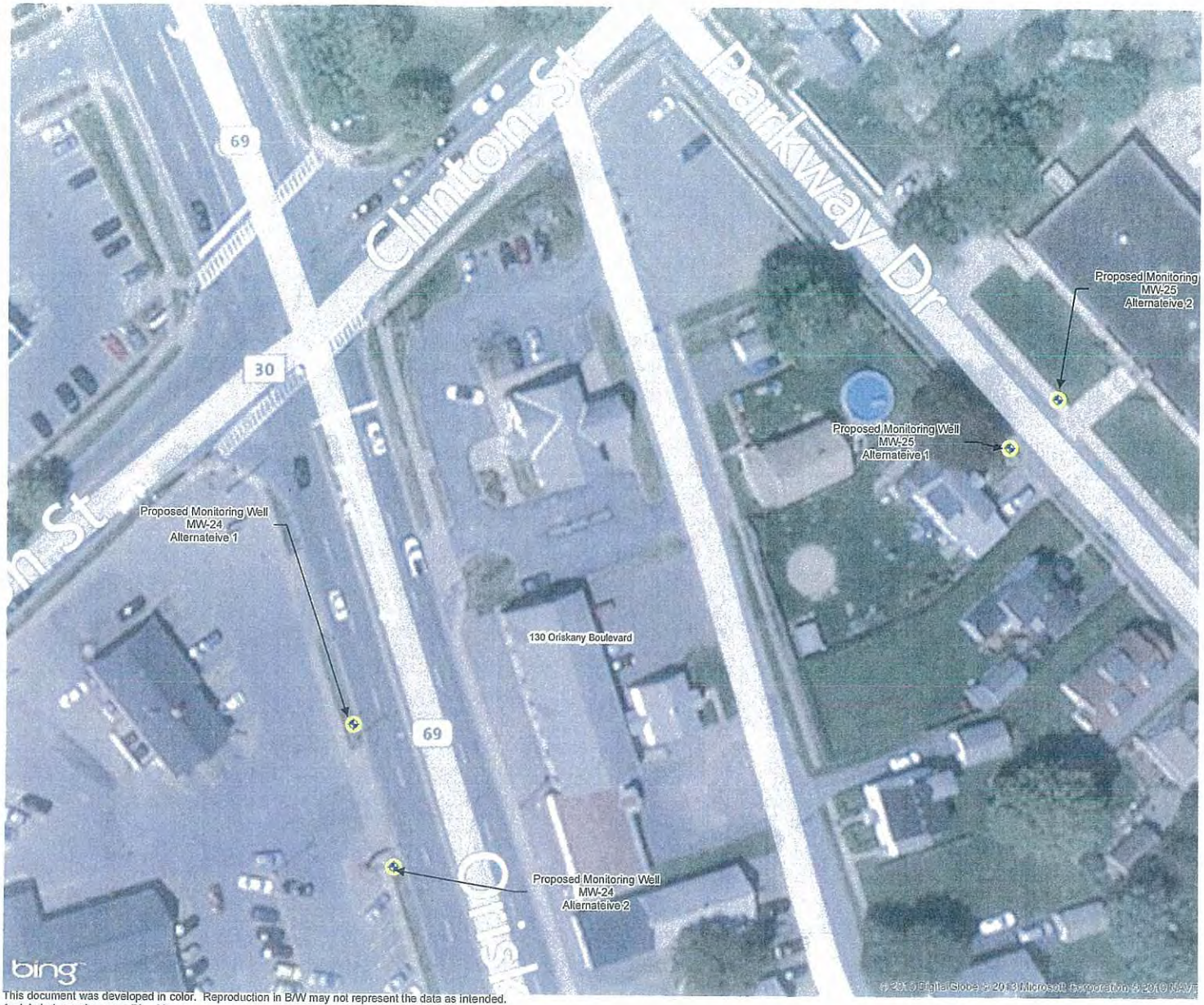
607-337-4446
Telephone No. of Insurance Company

Authorized Signature of Insurance Agent or Broker

Jeffrey R. Mirabito
Authorized Name of Insurance Agent or Broker (please print)

Mang Insurance,66 S Broad Street,Norwich, NY 13815
Address of Insurance Agent (please print)

607-337-4446
Telephone No. of Insurance Agent



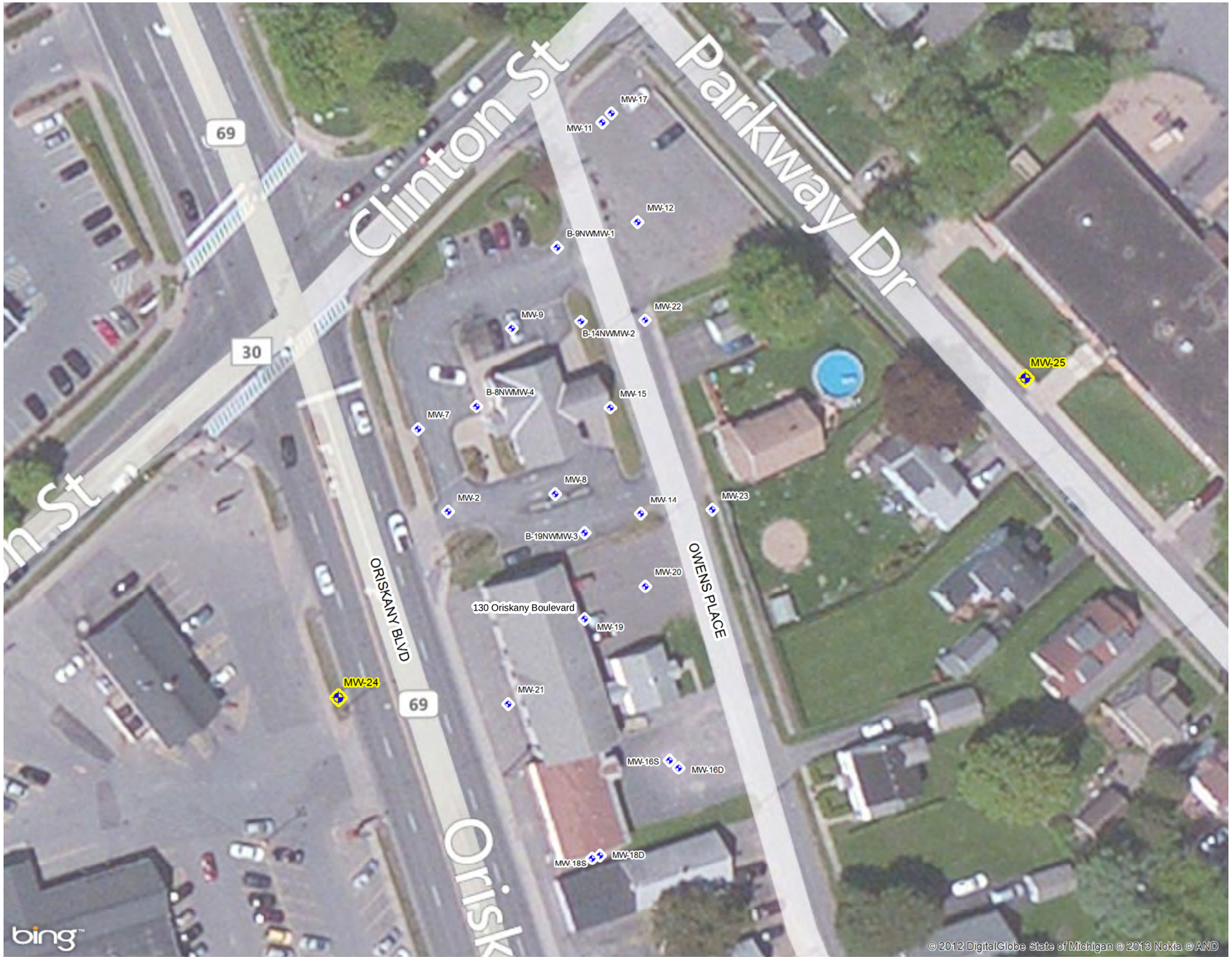
This document was developed in color. Reproduction in B/W may not represent the data as intended.
Aerial photograph source Bing Maps.

PLOTDATE: 04/24/13 1:17:26 PM TuckerSM

I:\Parsons-Eng.865349831.Whitesboro-DryDocs\DWG\GIS\MXD\Proposed Fall 2013 Locations.mxd

I:\Parsons-Eng.8653\49631.Whitesboro-Dry\Docs\DWG\GIS\MXD\New Fall 2013 Locations.mxd

FIGURE 1



This document was developed in color. Reproduction in B/W may not represent the data as intended.
Aerial photograph source Bing Maps.

N

LEGEND

- NEW MONITORING WELL (INSTALLED 11/21-22)
- MONITORING WELL

NOTES:
- NEW MONITORING WELL LOCATIONS ARE APPROXIMATE.

DRAFT

NYSDEC
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK
SITE NO.633054

MONITORING WELLS INSTALLED 11/21-22

0 25 50 100
Feet

NOVEMBER 2013
8653.49631

O'BRIEN & GERE

PLOTDATE: 04/24/13 1:17:26 PM NewtonJM

APPENDIX C
NYSDEC ACCESS AGREEMENTS OFF-SITE VI

Property Owner Acknowledgment and Permission for Air Sampling:

Please return to Kiera Thompson, NYSDEC, 625 Broadway, 11th Floor, Albany, NY 12233
or by email to kathomps@gw.dec.state.ny.us, or by fax (518) 402-9679

Signature: _____ Address: _____

Date: 3-11-13

Print Name: _____

Property Owner Questionnaire:

Please answer to the best of your knowledge, leave blank if information is unknown.

Contact Information

Homeowner Name: _____

Occupant Name (if different from homeowner): _____

Street Address: _____

Daytime Telephone: (315) - 941 - 7505 Evening Telephone: (____) - _____ - _____

What time is most convenient to call? _____ Daytime _____ Evening _____ Weekend (Any)

Building Information (circle all that apply)

Year constructed: Unknown

Number of floors below grade: 1 (full basement / crawl space / slab on grade)

Number of floors at or above grade: 2

Basement (or lowest floor) floor construction: (concrete) / dirt / floating / stone
other (specify): _____

Condition of floor (cracks, water stains, etc.): Good

Basement sump present? *Yes* / (*No*) Sump pump? *Yes* / (*No*) Water in sump? *Yes* / (*No*)

Is the lower level occupied? *Yes* / (*No*) If yes, how often? _____

Is there a radon system in place? *Yes* / (*No*)

Property Owner Acknowledgment and Permission for Air Sampling:

Please return to Kiera Thompson, NYSDEC, 625 Broadway, 11th Floor, Albany, NY 12233
or by email to kathomps@gw.dec.state.ny.us, or by fax (518) 402-9679

Signature: _____ Address: _____

Date: 2/19/13 _____

Print Name: _____

Property Owner Questionnaire:

Please answer to the best of your knowledge, leave blank if information is unknown.

Contact Information

Homeowner Name: _____

Occupant Name (if different from homeowner): _____

Street Address: _____

Daytime Telephone: _____ Evening Telephone: _____

What time is most convenient to call? ✓ Daytime ____ Evening ____ Weekend

Building Information (circle all that apply)

Year constructed: _____

Number of floors below grade: ____ (full basement) / crawl space / slab on grade)

Number of floors at or above grade: 2

Basement (or lowest floor) floor construction: concrete / dirt / floating / stone
other (specify): _____

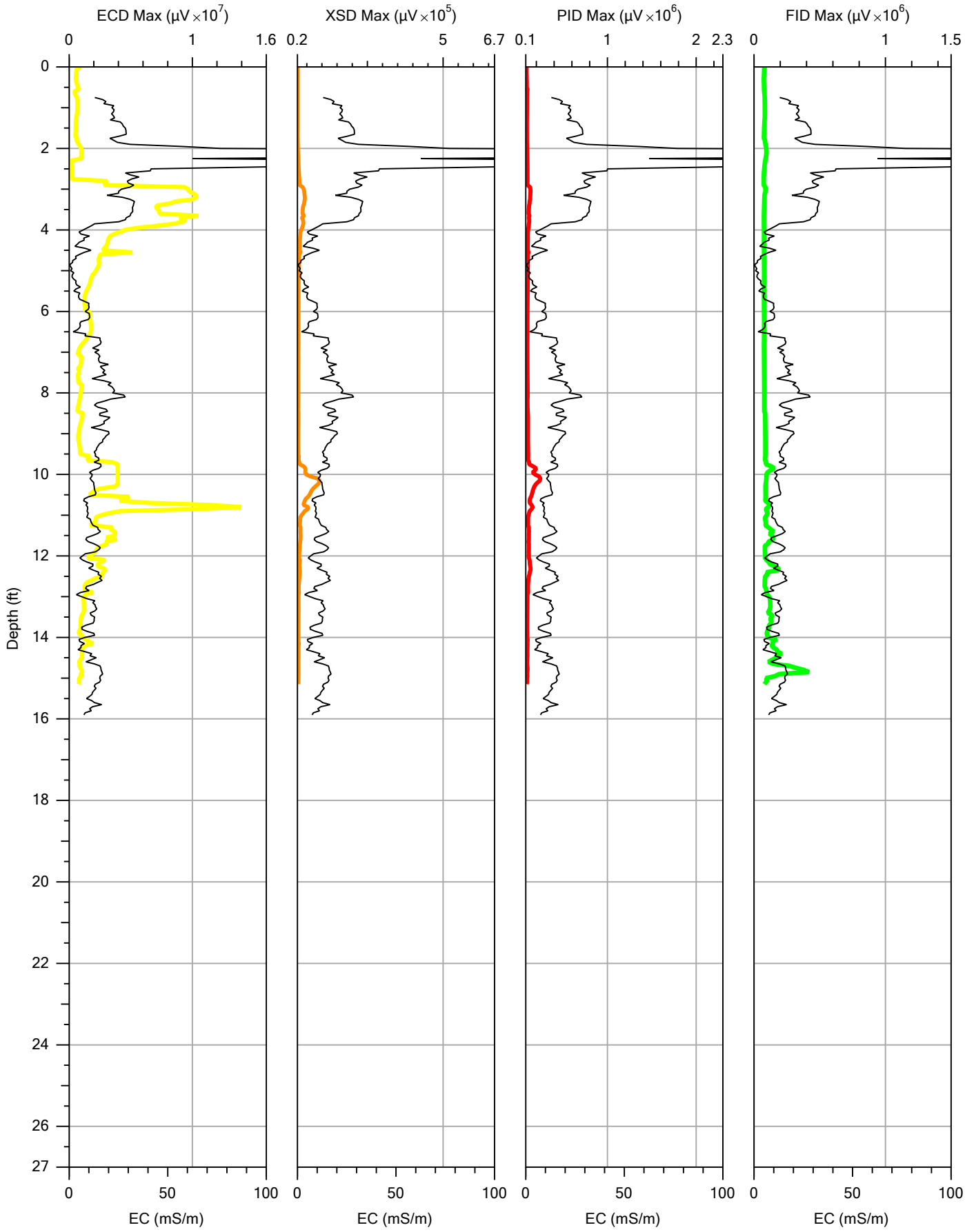
Condition of floor (cracks, water stains, etc.): none

Basement sump present? *Yes* / (*No*) Sump pump? *Yes* / (*No*) Water in sump? *Yes* / (*No*)

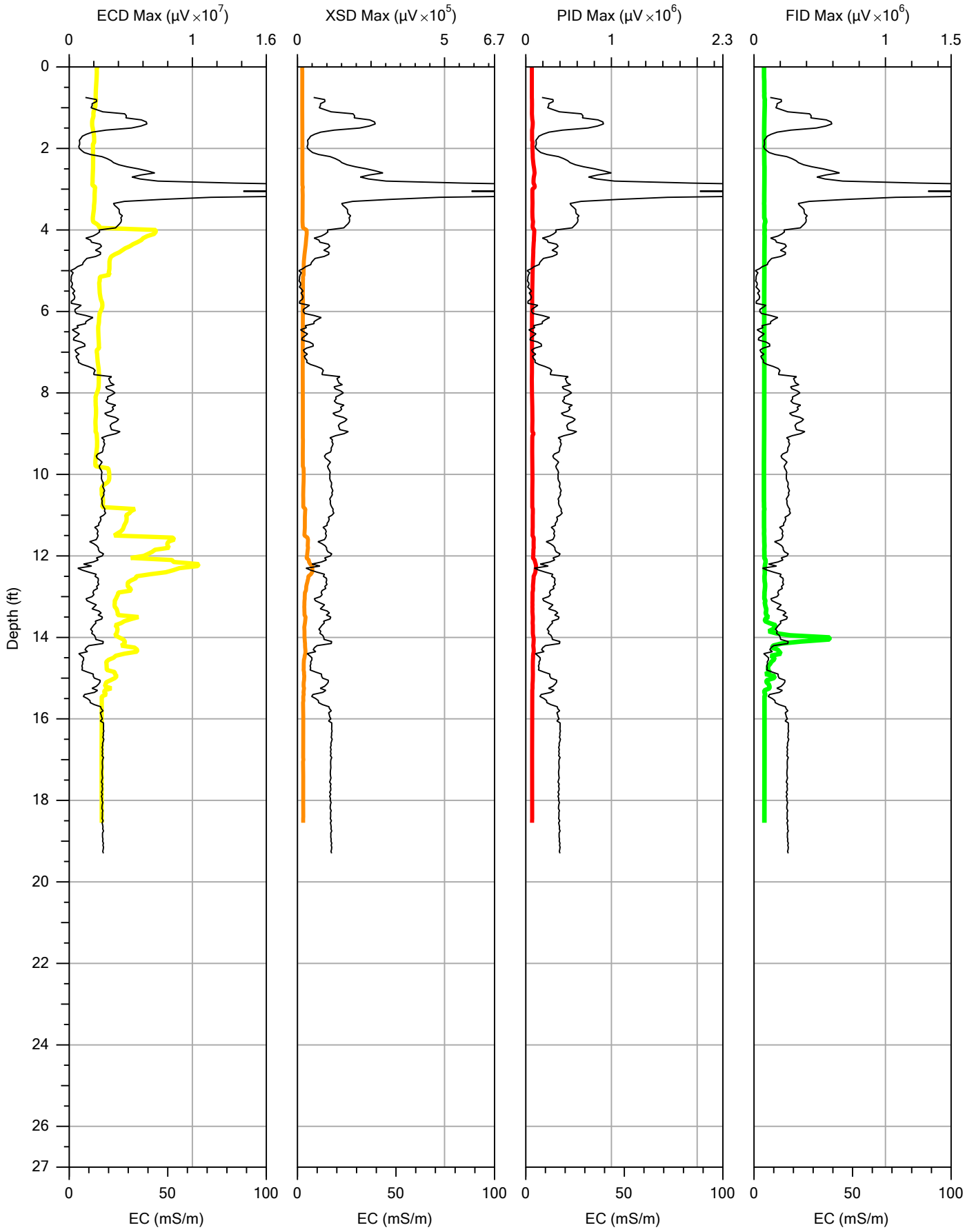
Is the lower level occupied? (*Yes*) / *No* If yes, how often? Daily

Is there a radon system in place? (*Yes*) / *No*

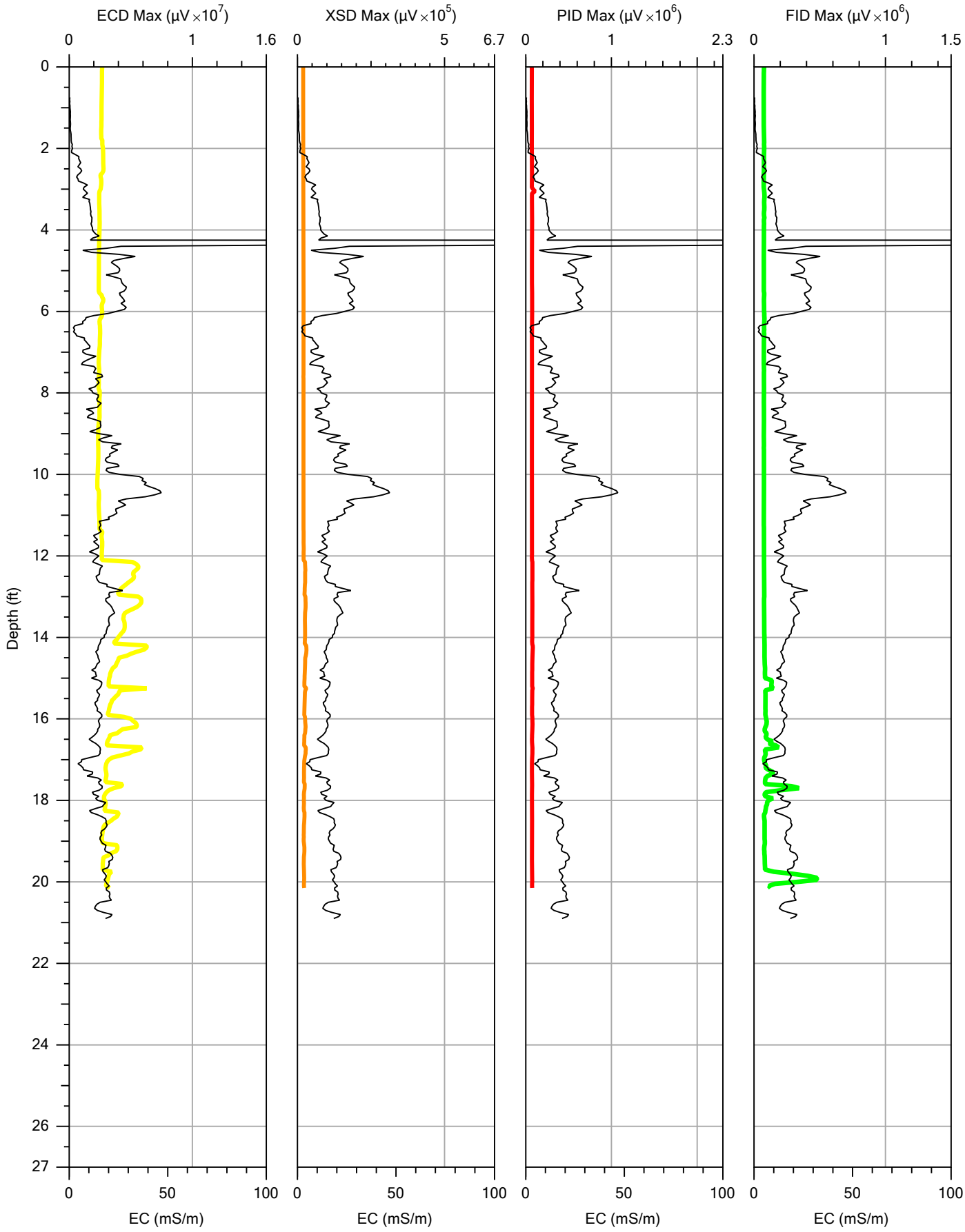
APPENDIX D
MIP LOGS



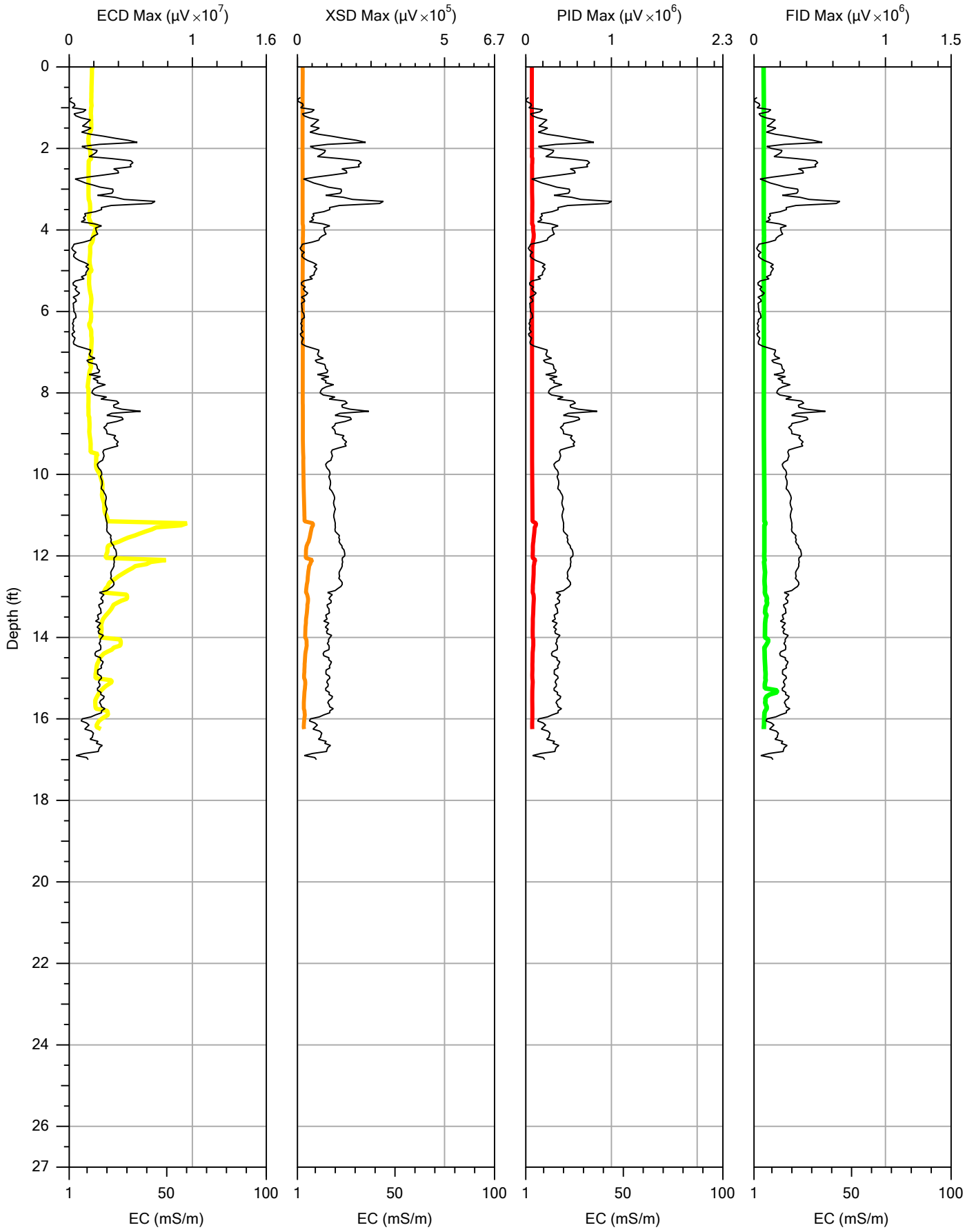
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Company: Vironex, Inc		Operator: Charles Terry	Date: 4/2/2013
Project ID: Former Whitesboro dry Cleaner		Client: O'Brien & Gere	Location:



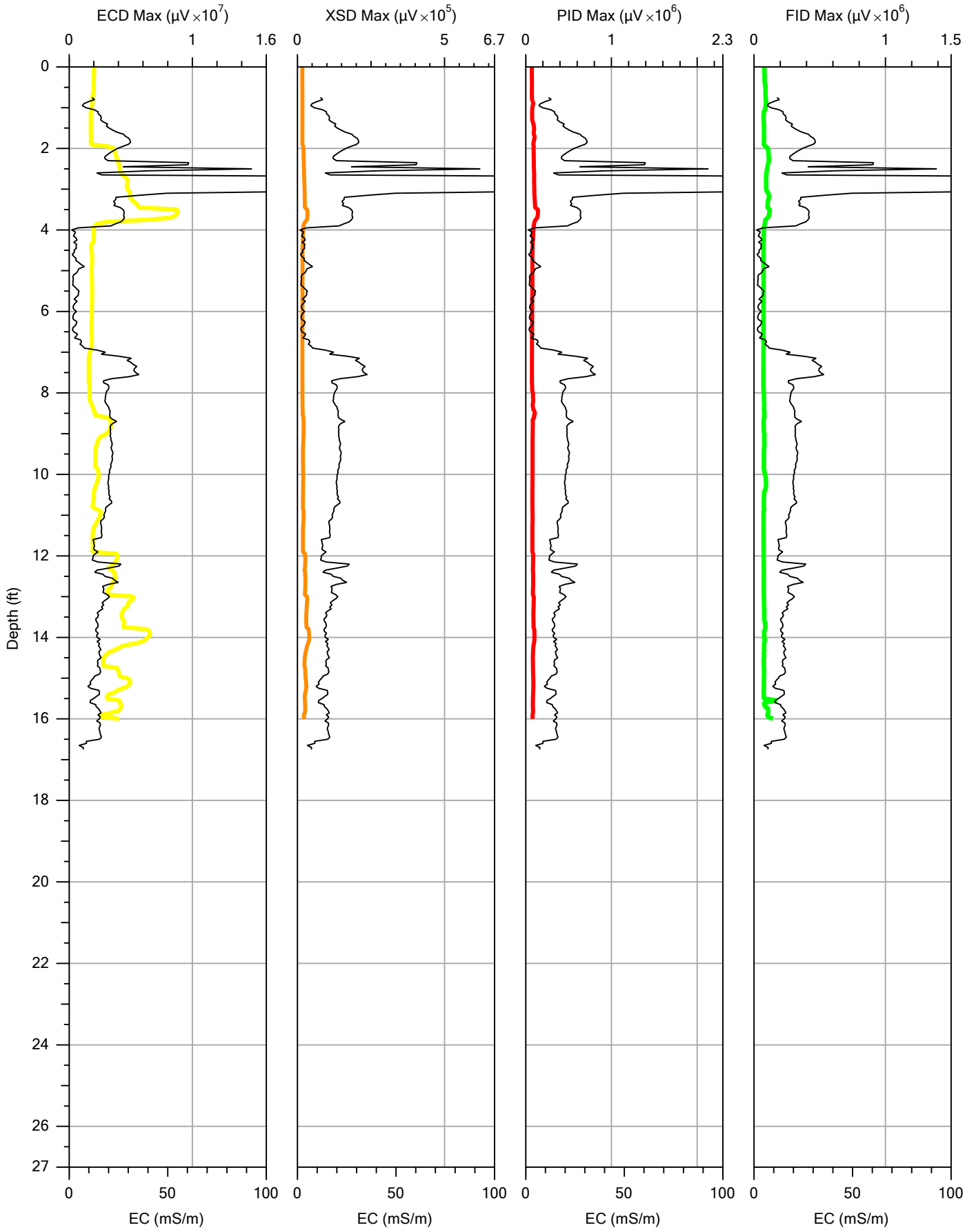
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Company: Vironex, Inc.	Operator: Charles Terry	Date: 4/2/2013
Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



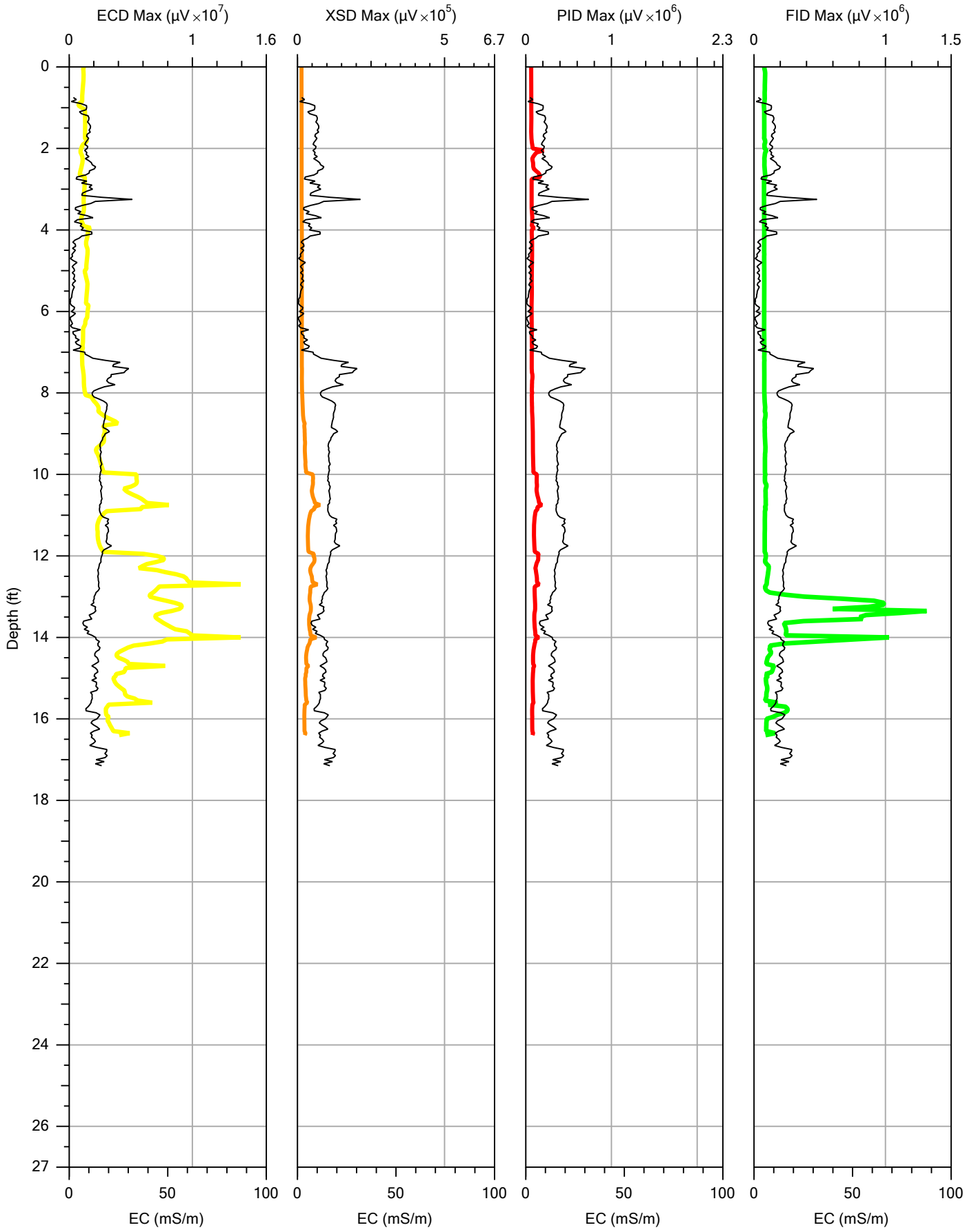
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Company: Vironex, Inc.		Operator: Charles Terry	Date: 4/2/2013
Project ID: Former Whitesboro Dry Cleaner		Client: O'Brien & Gere	Location:



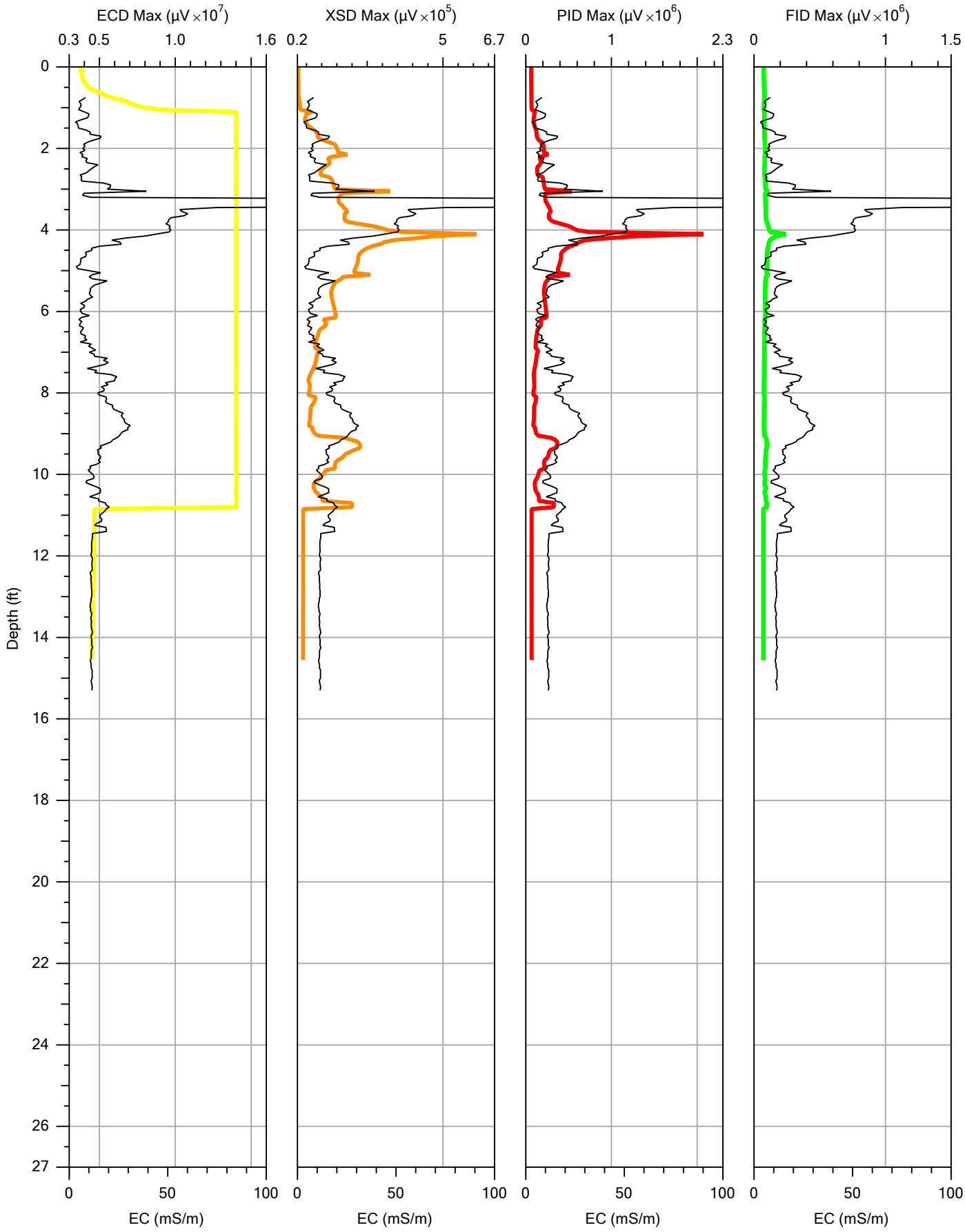
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Company: Vironex, Inc.		Operator: Charles Terry	Date: 4/2/2013
Project ID: Former Whitesboro Dry Cleaner		Client: O'Brien & Gere	Location:



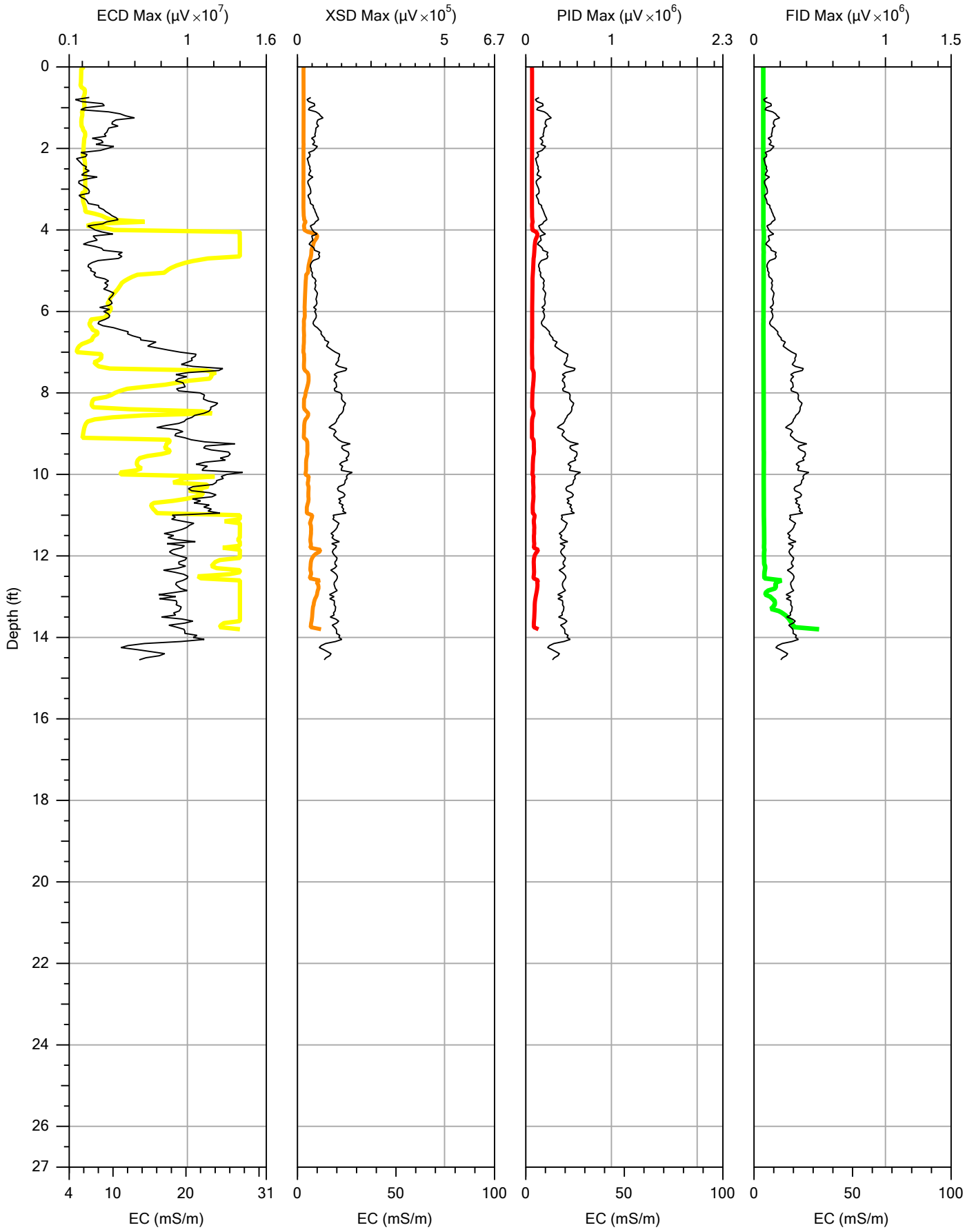
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Company: Vironex, Inc.	Operator: Charles Terry	Date: 4/2/2013
Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



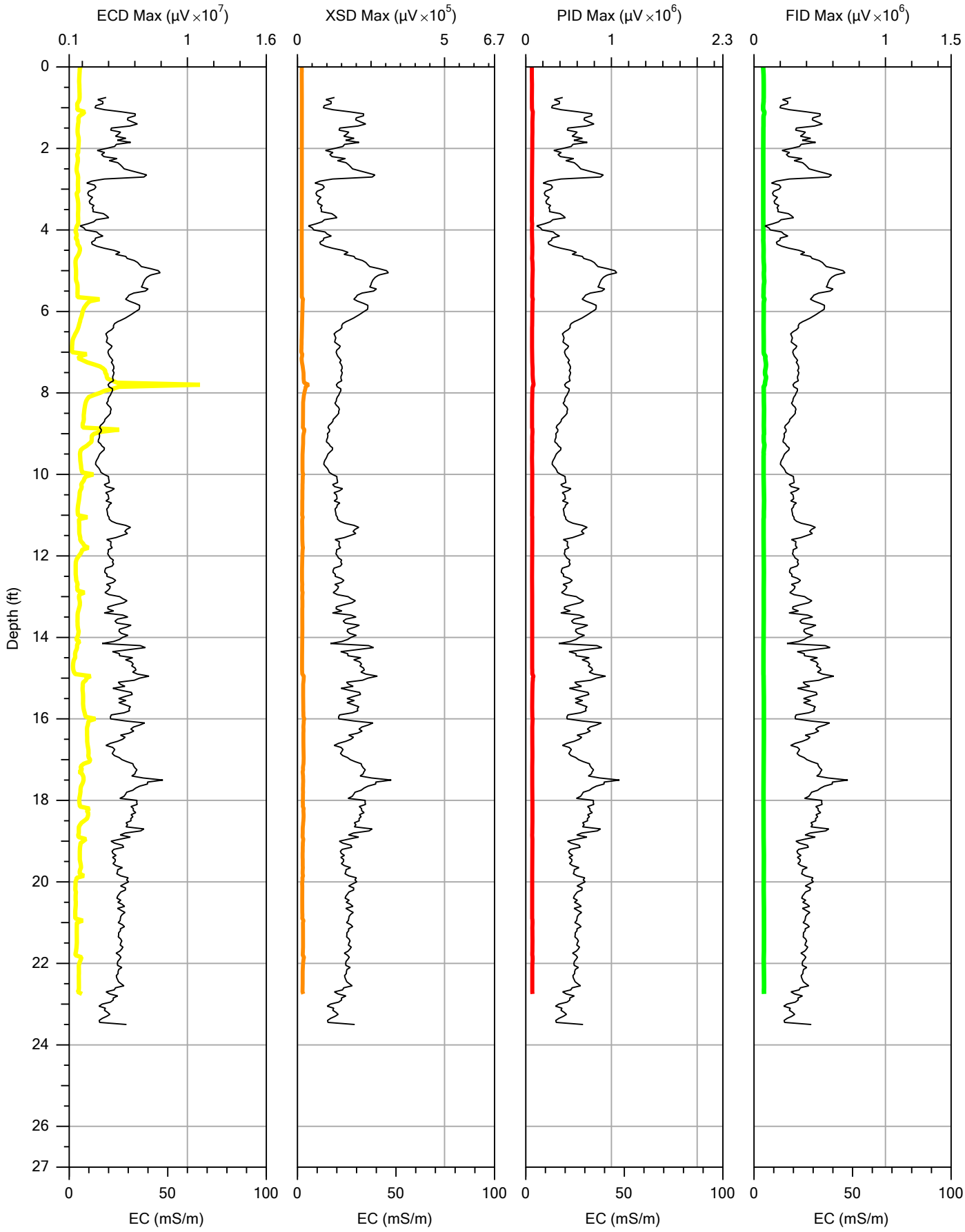
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Company: Vironex, Inc.	Operator: Charles Terry	Date: 4/3/2013
Project ID: Former Whitesboro Dry Cleaner	Client: OBrien & Gere	Location:



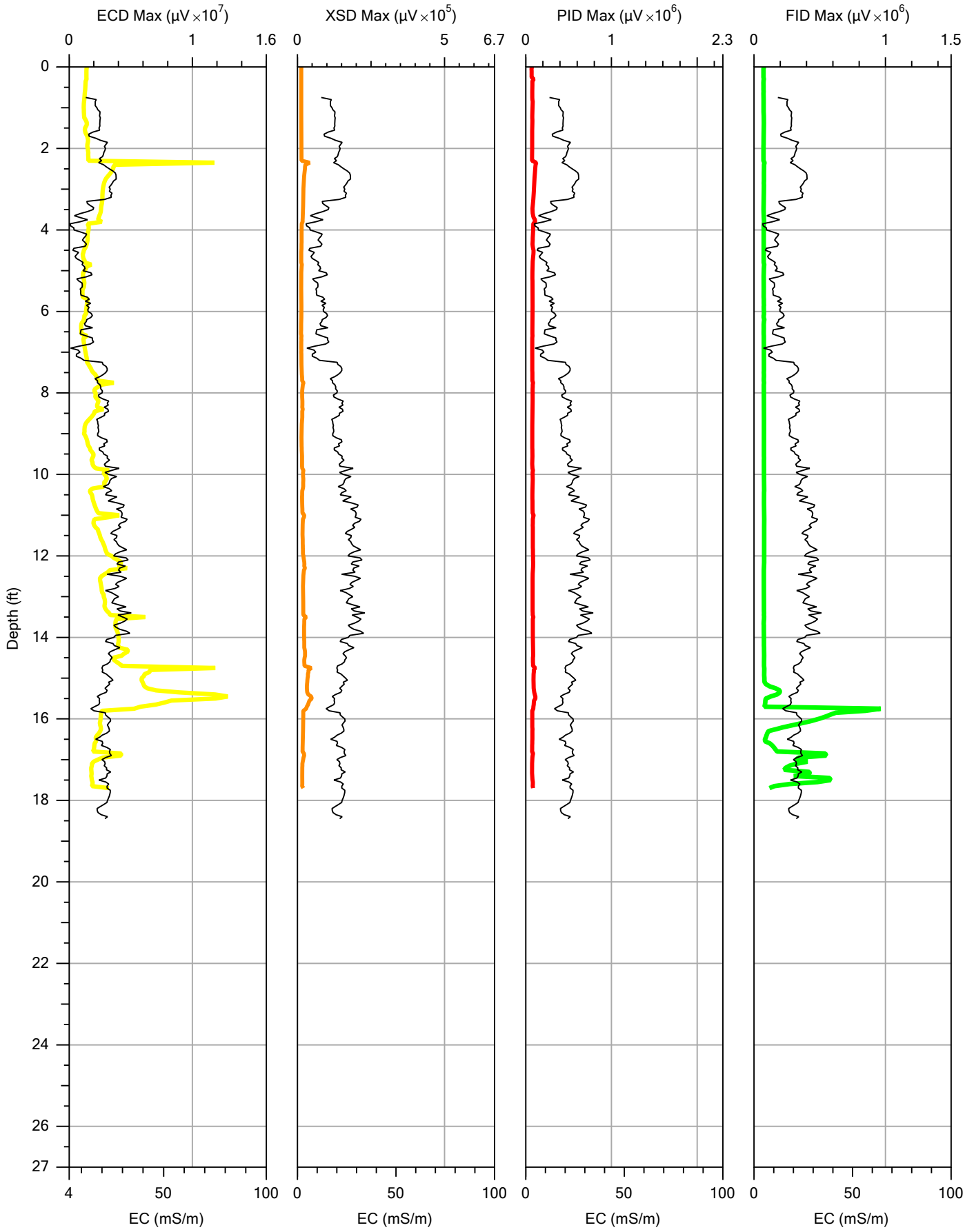
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Company: Vironex, Inc.		Operator: Charles Terry	Date: 4/3/2013
Project ID: Former Whitesboro Dry Cleaner		Client: OBrien & Gere	Location:



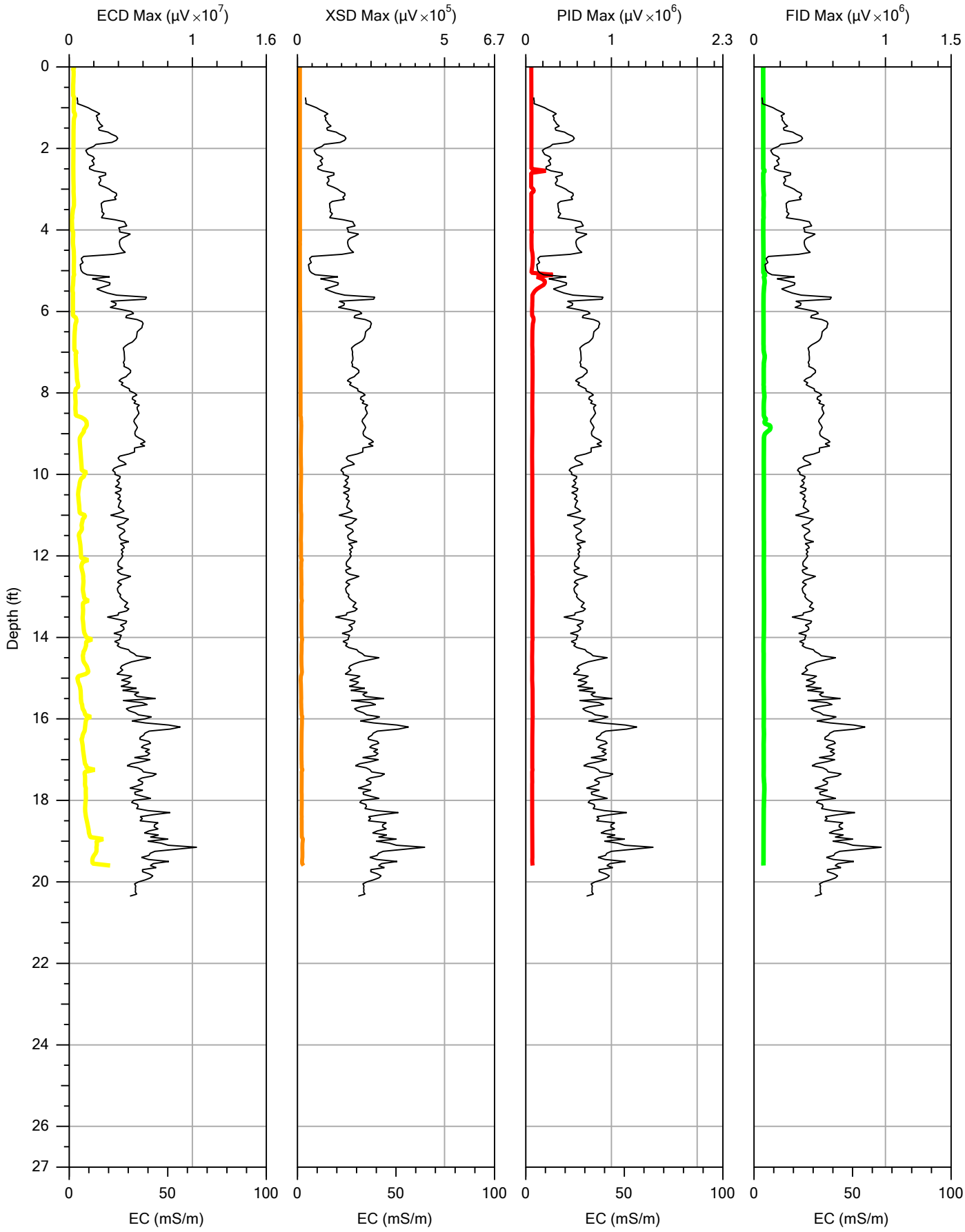
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Company: Vironex, Inc		Operator: Charles Terry	Date: 4/3/2013
Project ID: Former Whitesboro Dry Cleaner		Client: O'Brien & Gere	Location:



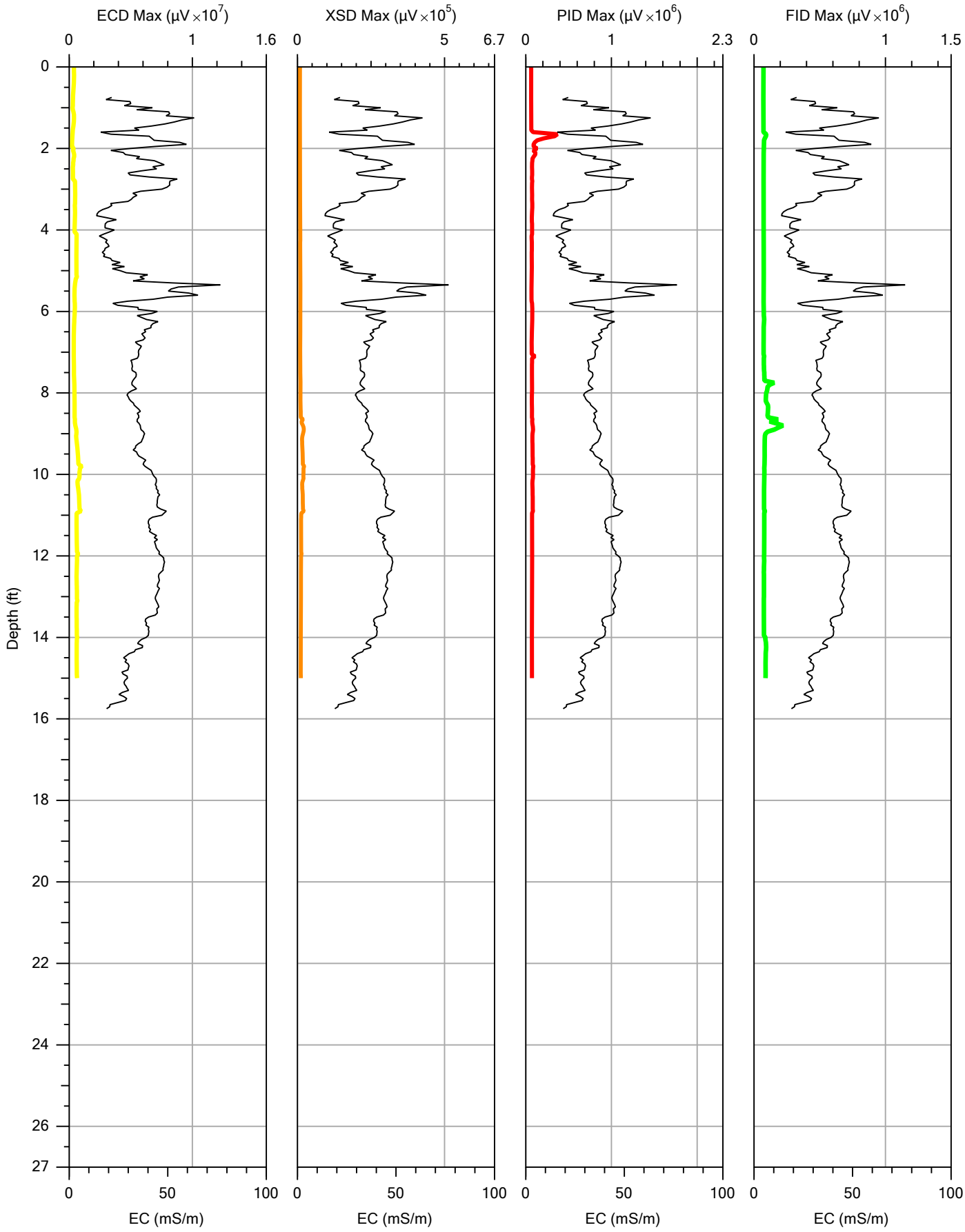
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Company: Vironex, Inc	Operator: Charles Terry	Date: 4/3/2013
Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



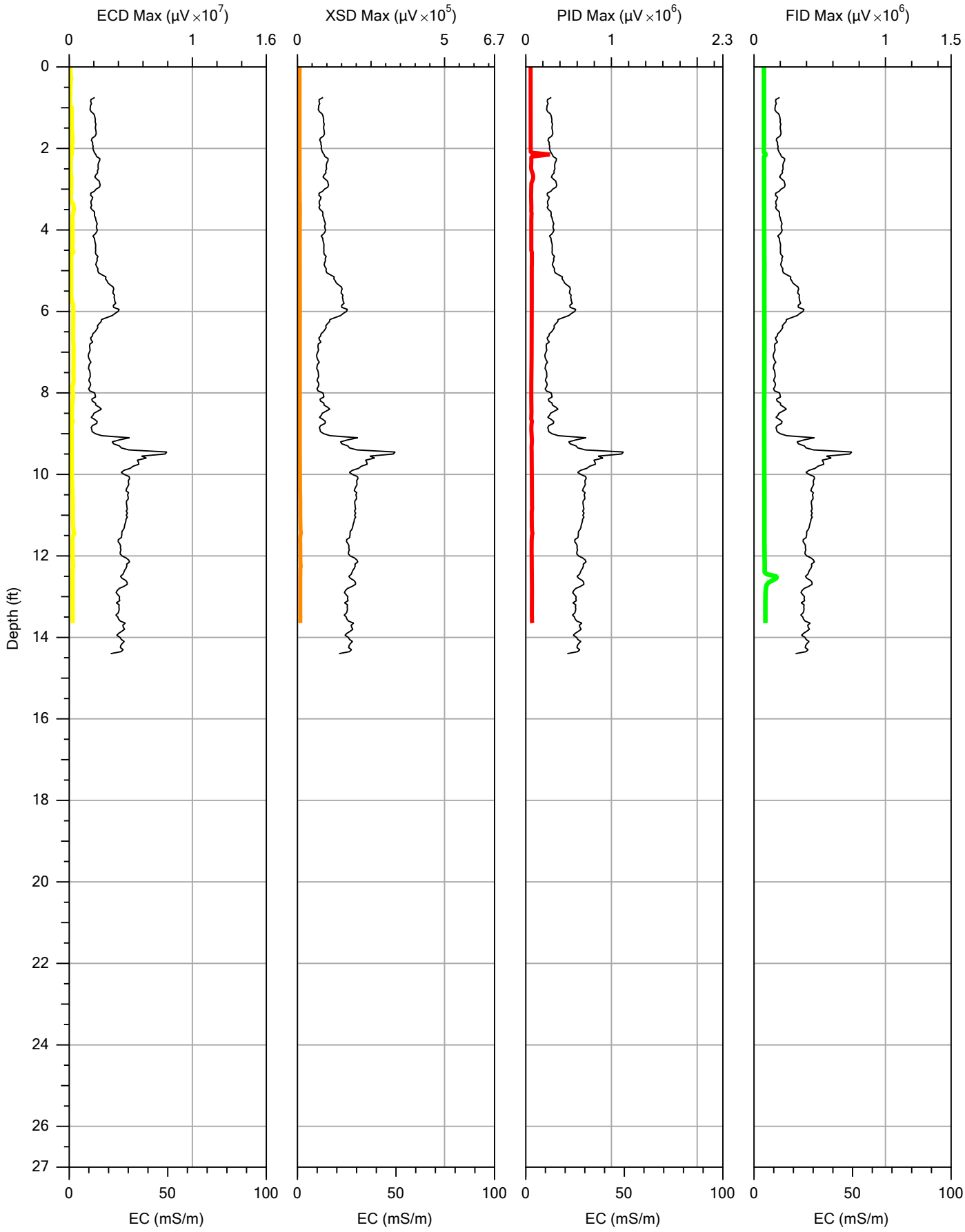
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Company: Vironex, Inc	Operator: Charles Terry	Date: 4/3/2013
Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



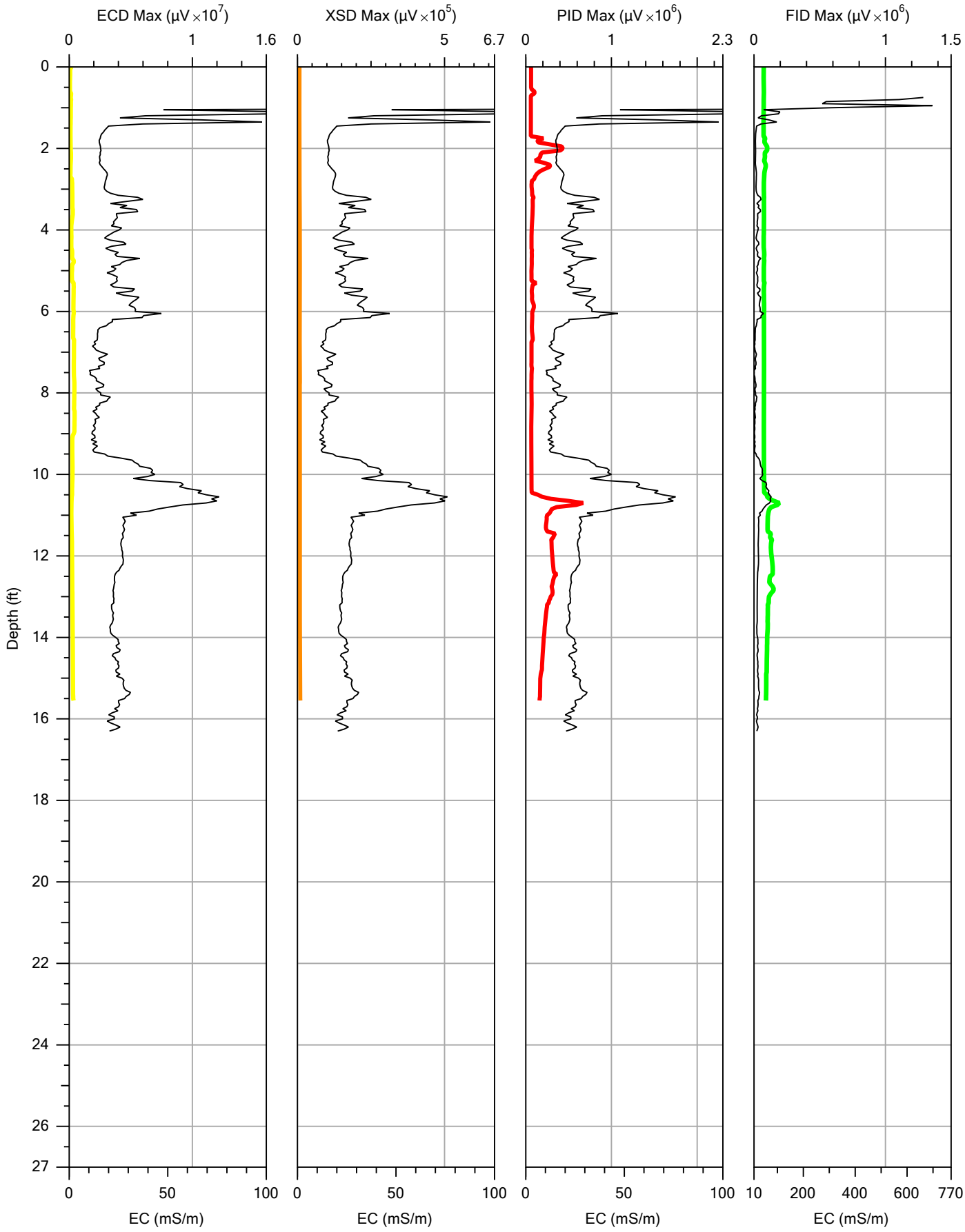
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Project ID: Former Whitesboro Dry Cleaner		Client: O'Brien & Gere	Location:



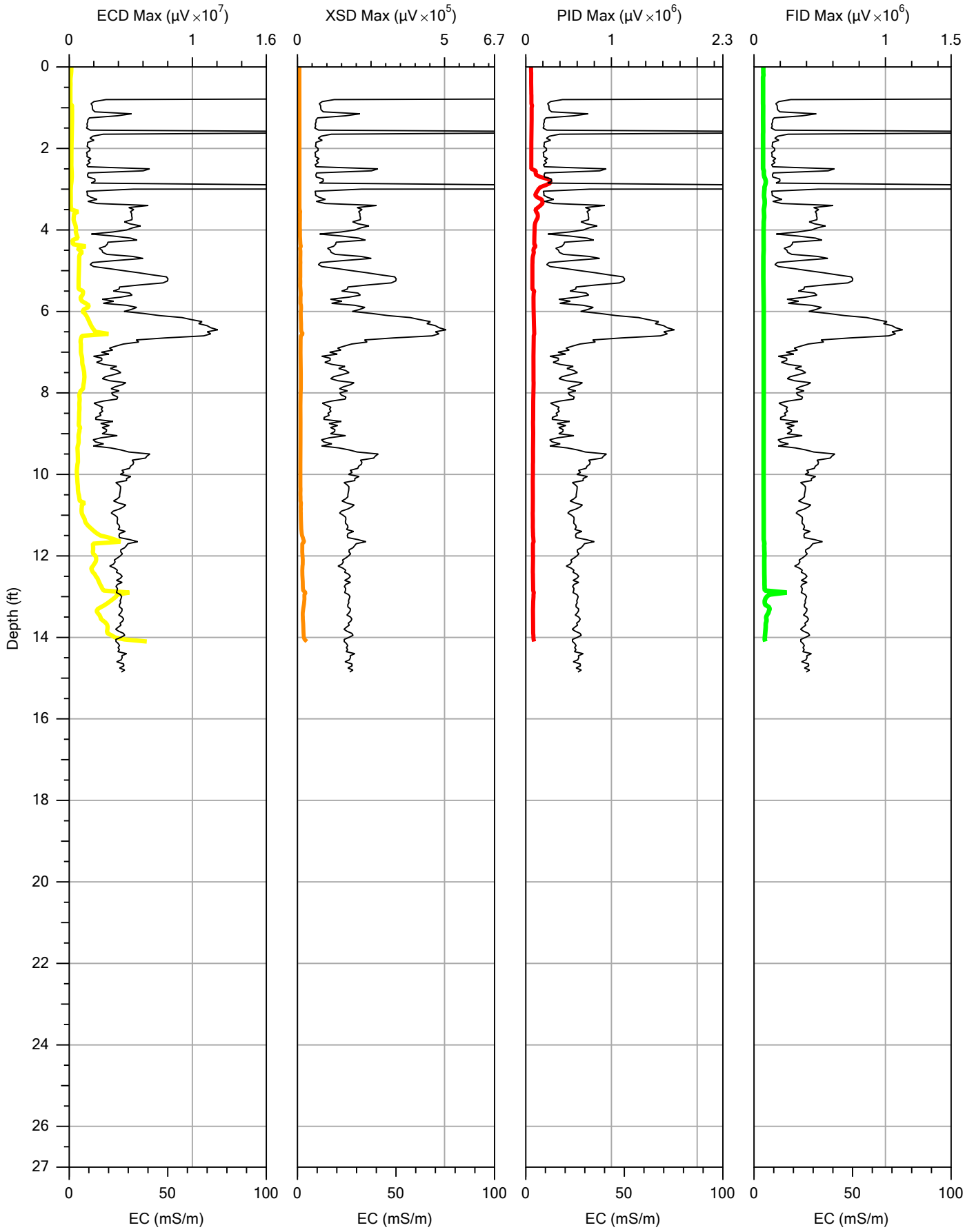
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Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



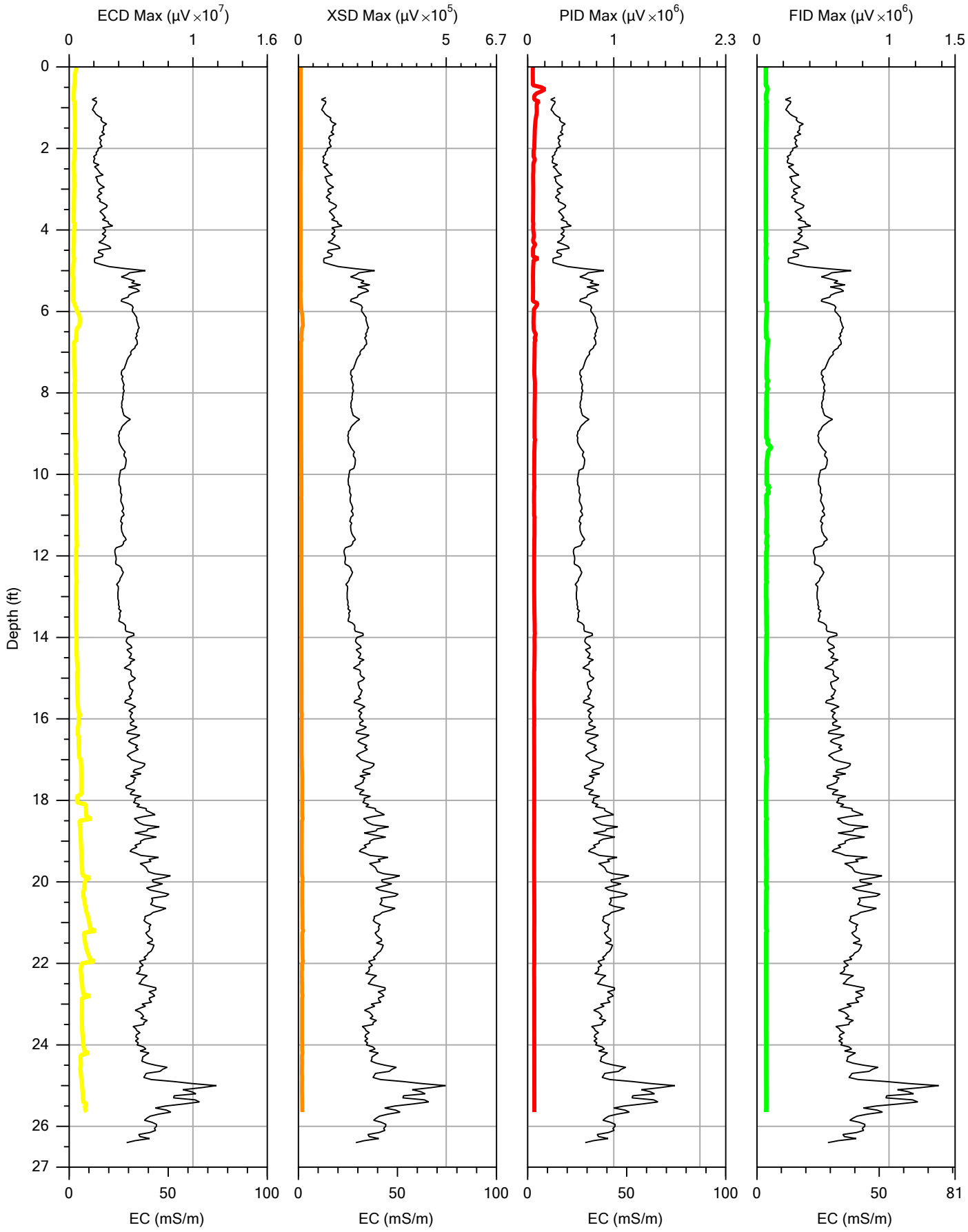
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Project ID: Former Whitesboro Dry Cleaner		Client: O'Brien & Gere	Location:



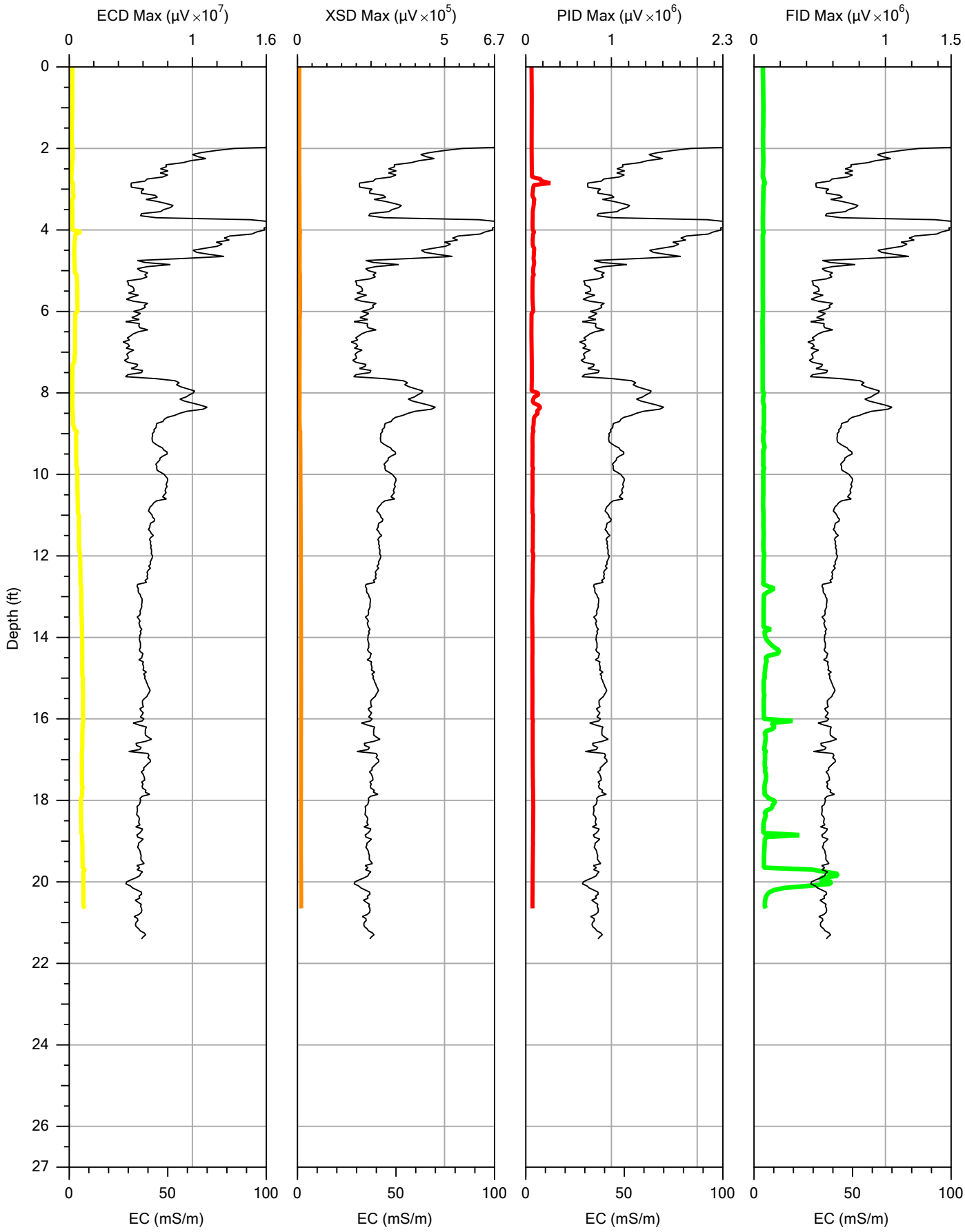
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Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



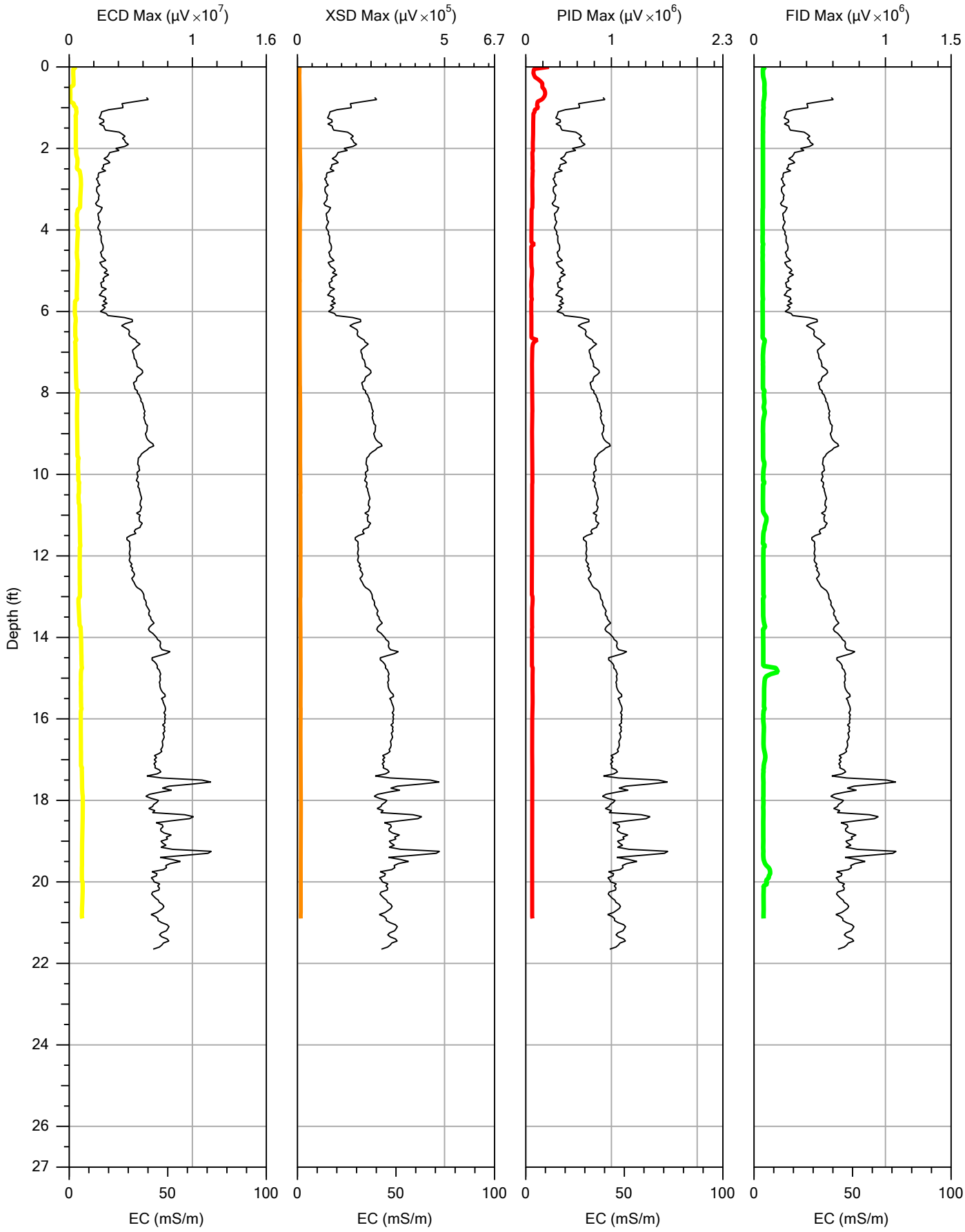
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Company: Vironex, Inc	Operator: Charles Terry	Date: 4/4/2013
Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



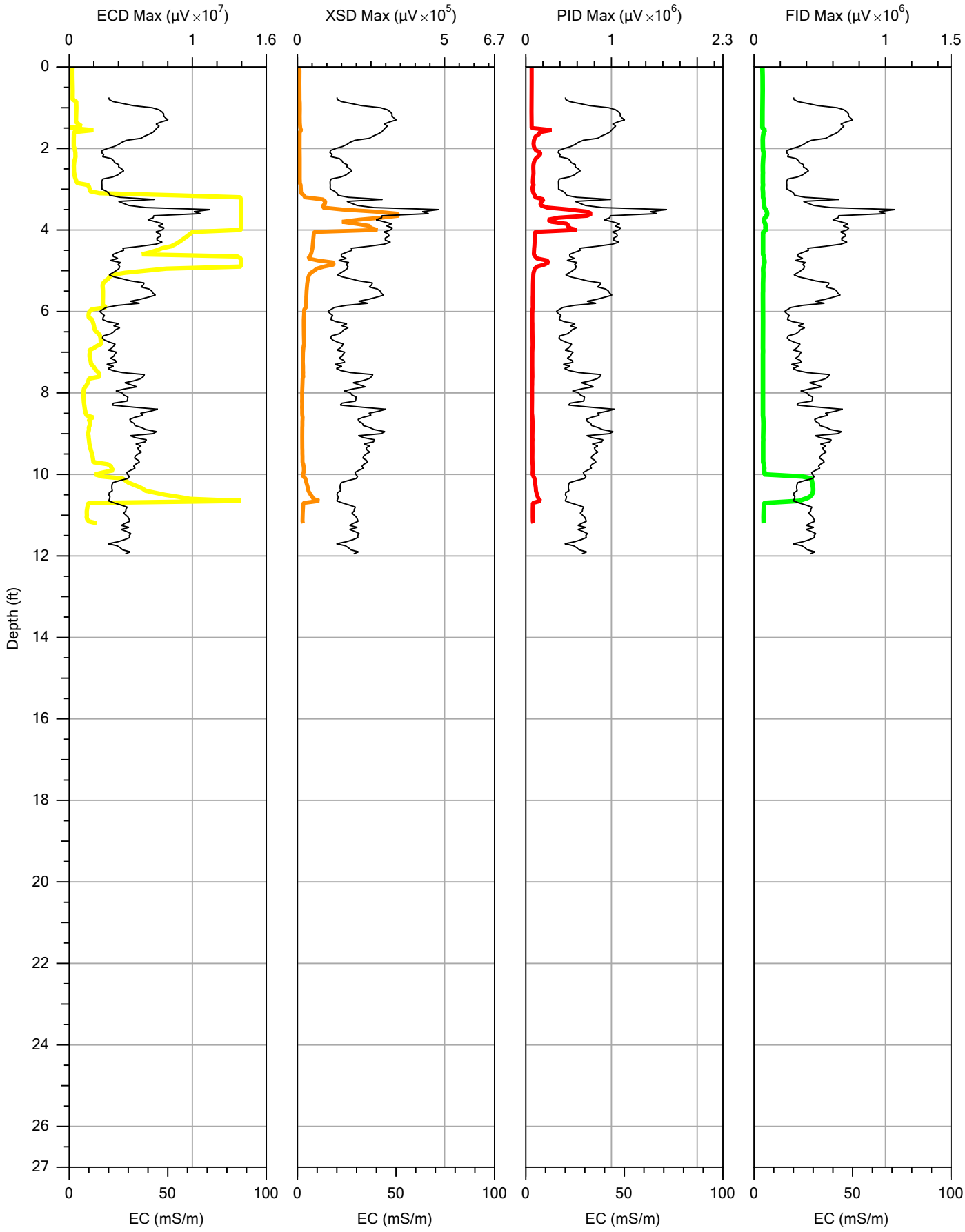
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Company: Vironex, Inc	Operator: Charles Terry	Date: 4/4/2013
Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



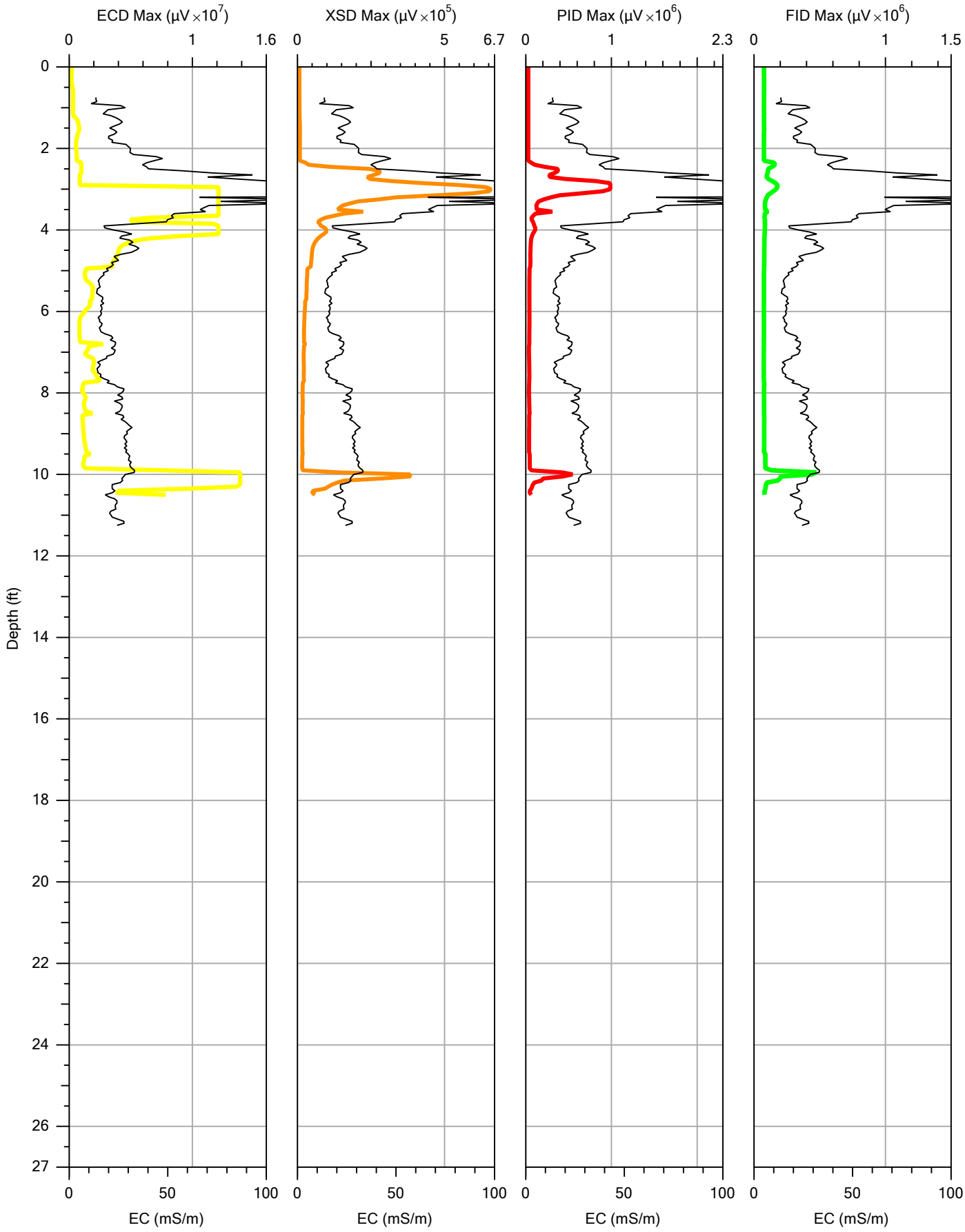
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Company: Vironex, Inc	Operator: Charles Terry	Date: 4/4/2013
Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



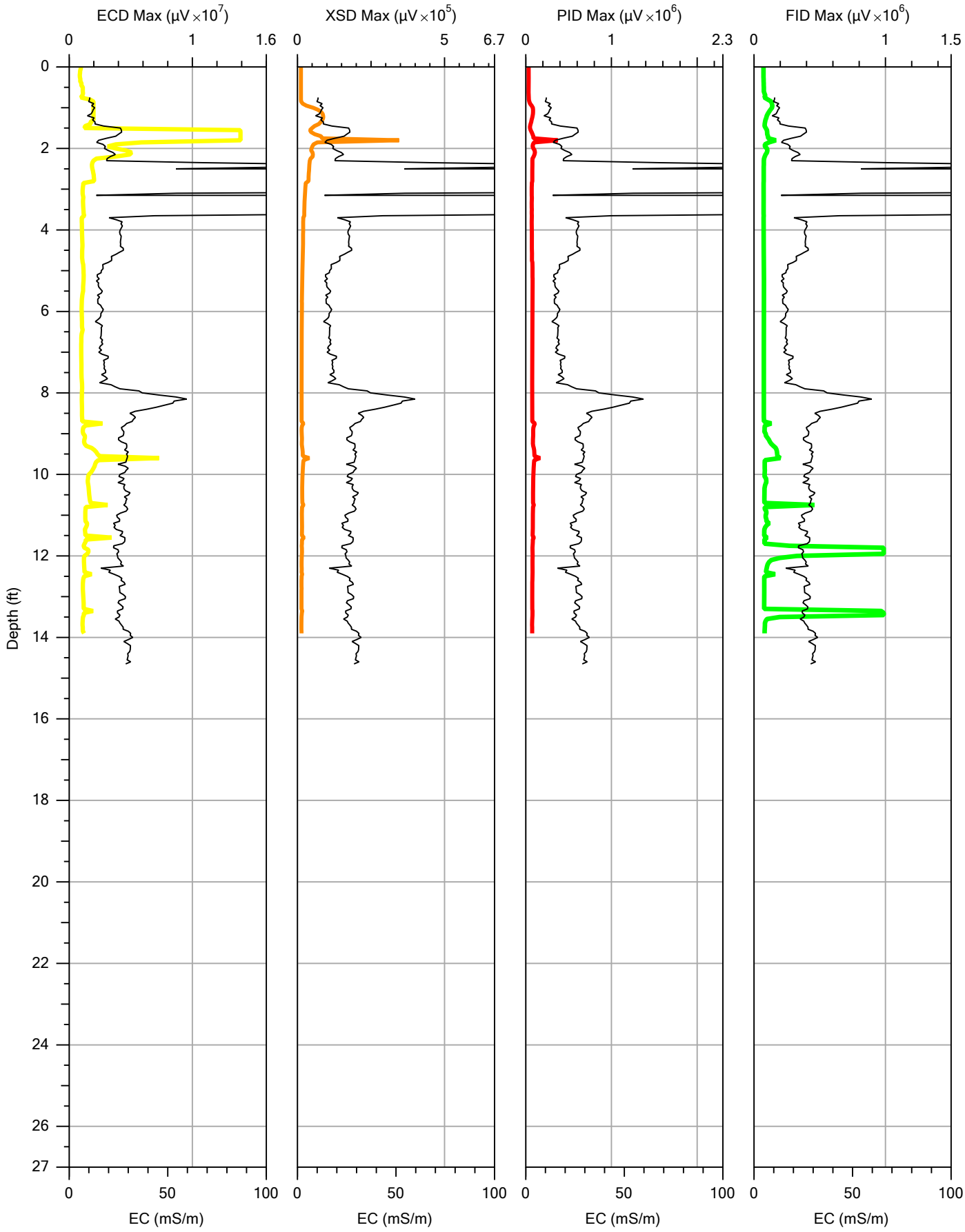
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Company: Vironex, Inc	Operator: Charles Terry	Date: 4/4/2013
Project ID: Former Whitesboro Dry Cleaner	Client: O'Brien & Gere	Location:



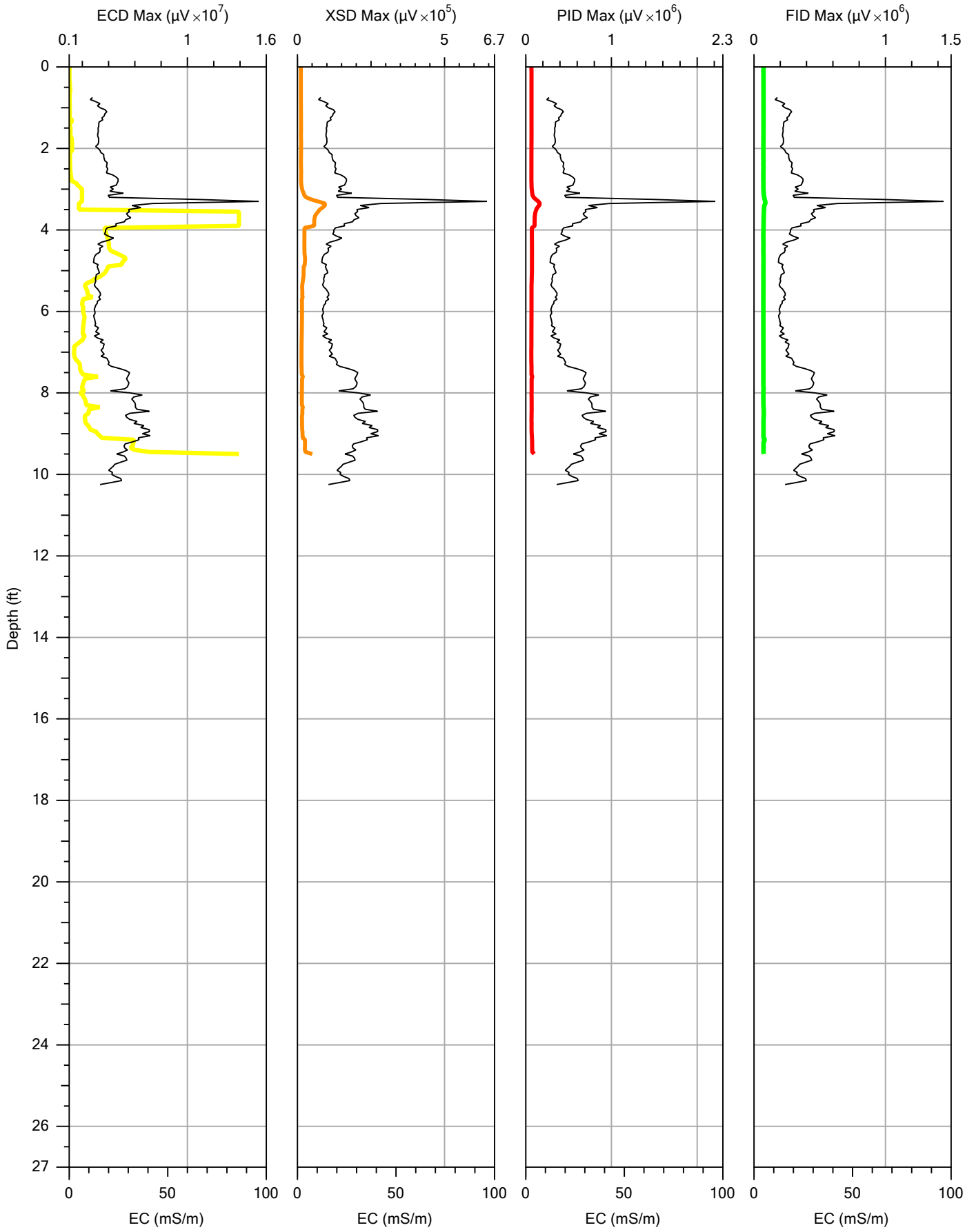
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Company: Vironex, Inc		Operator: Charles Terry	Date: 4/4/2013
Project ID: Former Whitesboro Dry Cleaner		Client: O'Brien & Gere	Location:



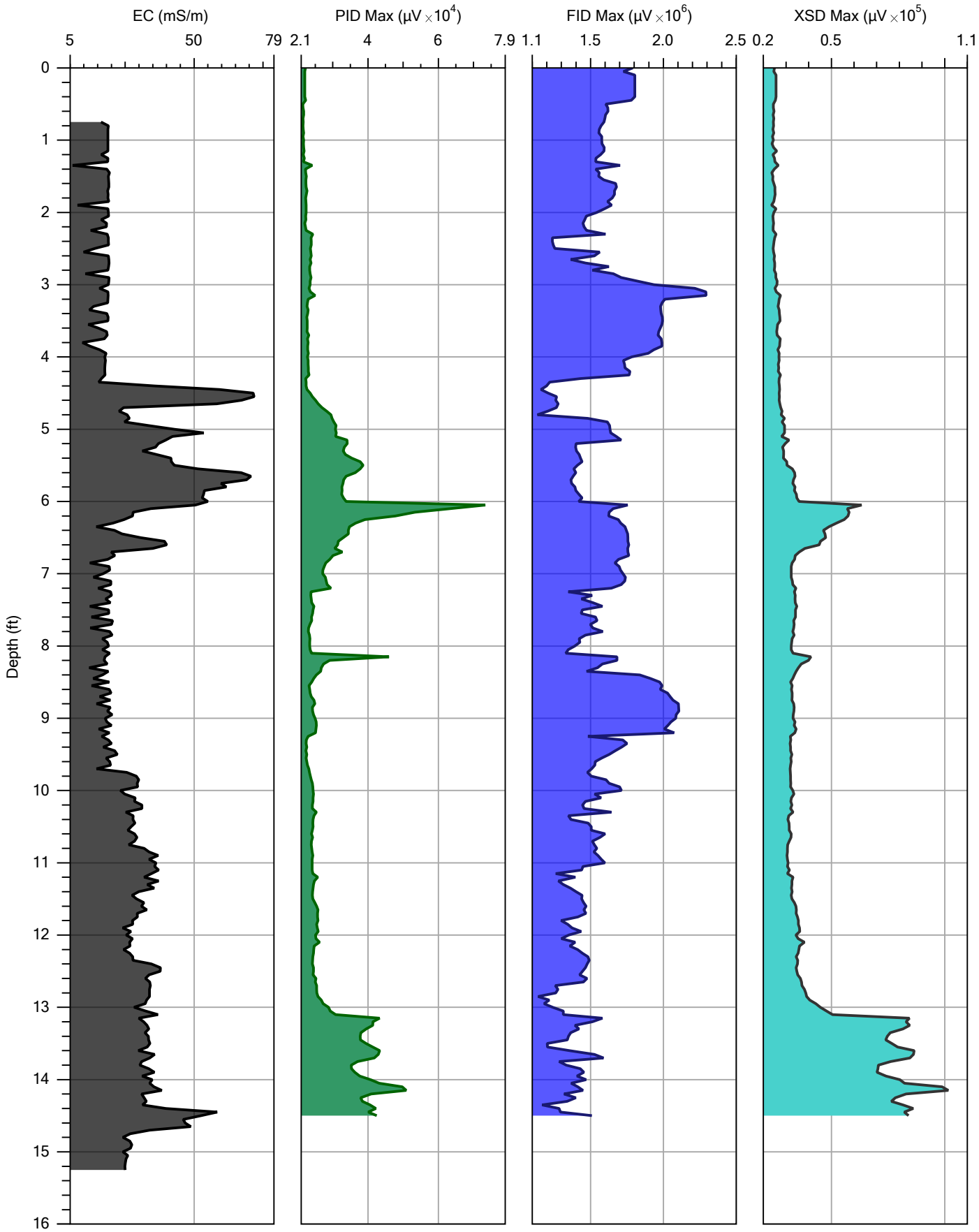
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Company: Vironex, Inc.		Operator: Charles Terry	Date: 4/5/2013
Project ID: Former Whitesboro Dry Cleaner		Client: O'Brien & Gere	Location:



			File: SB-29.MHP
Company: Vironex, Inc.		Operator: Charles Terry	Date: 4/5/2013
Project ID: Former Whitesboro Dry Cleaner		Client: O'Brien & Gere	Location:

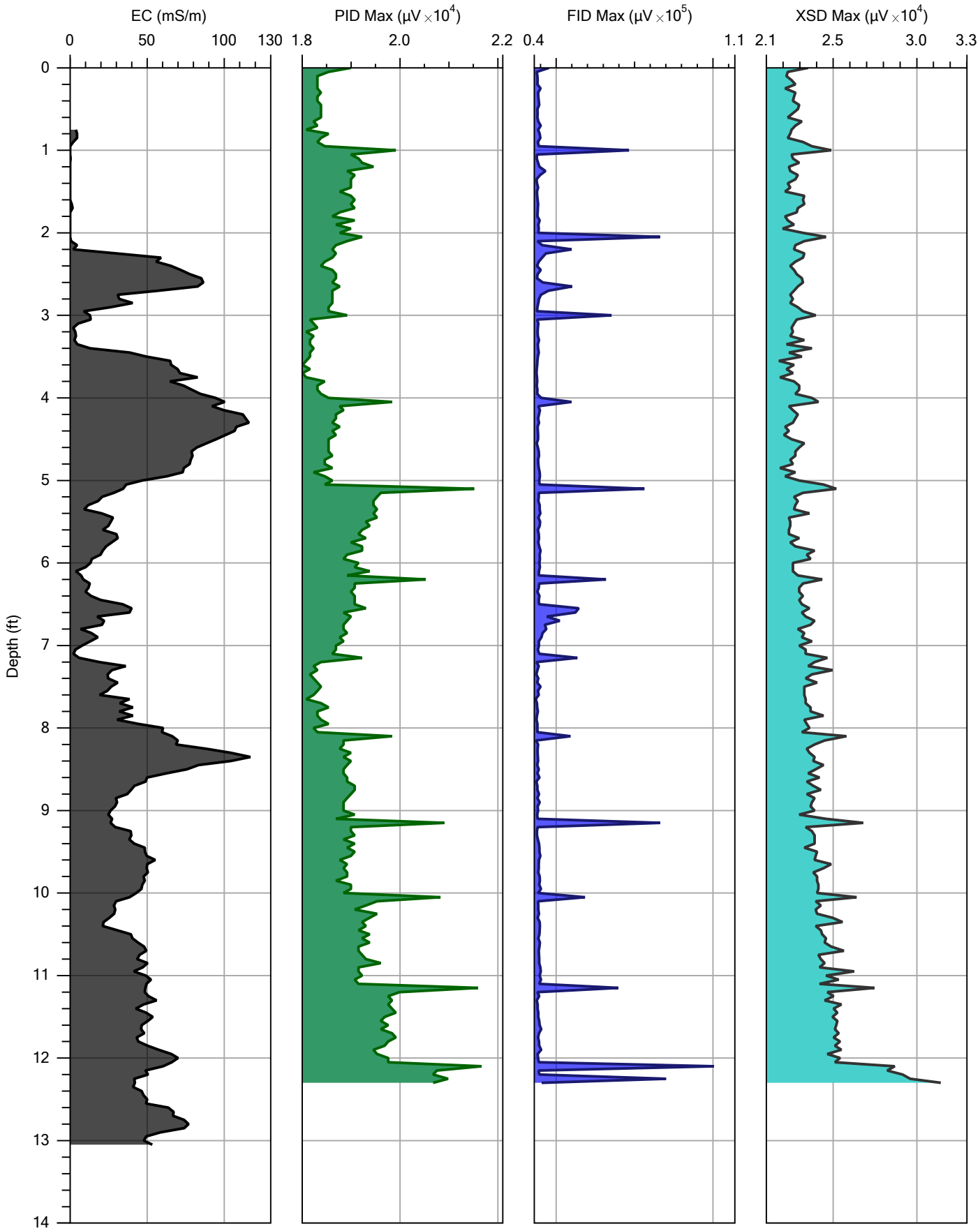


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Project ID: Former Whitesboro Dry Cleaner		Client: O'Brien & Gere	Location:



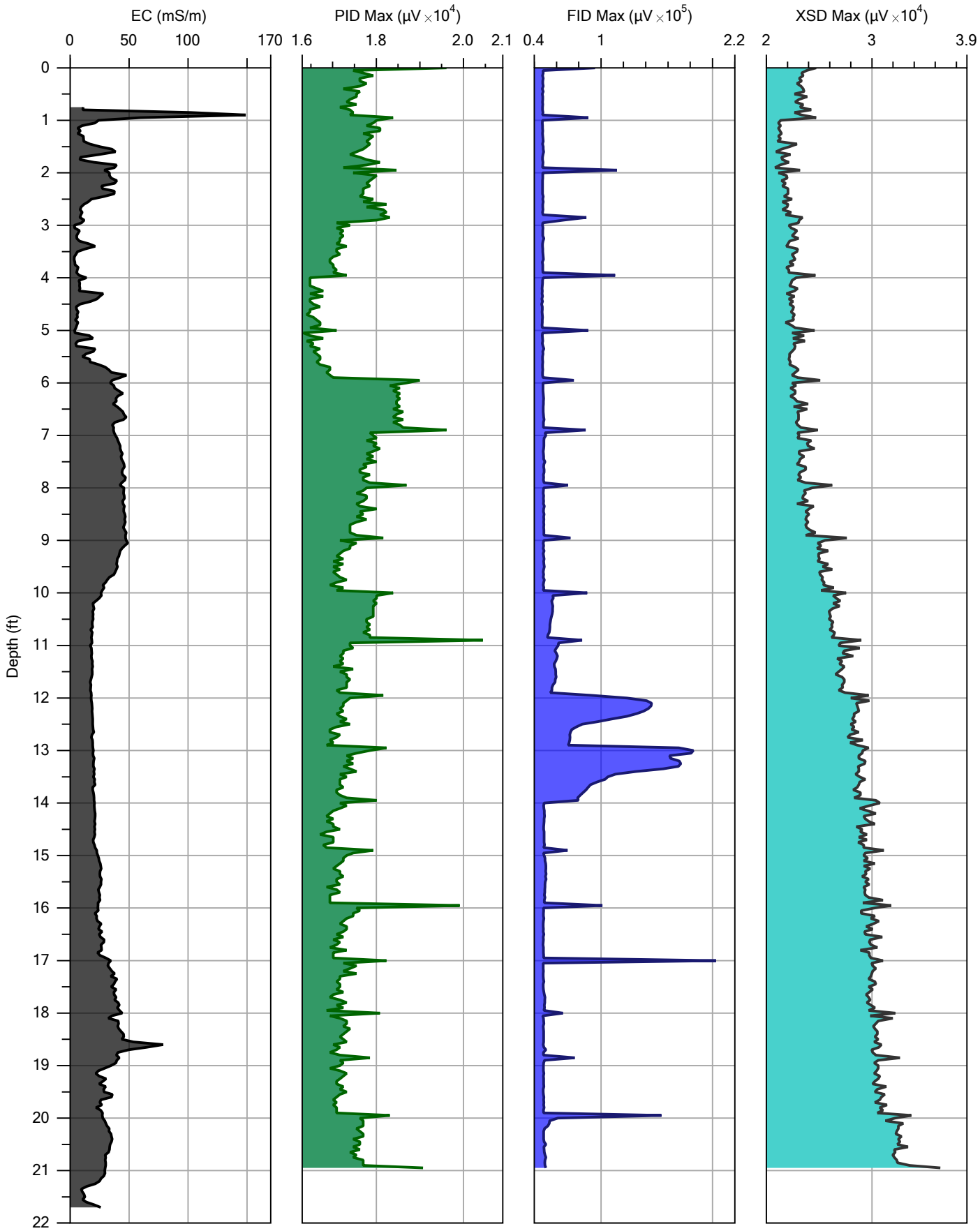
Direct Image® By Geoprobe Systems®

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Company: Parratt-Wolff, Inc.		Operator: Wayne Nielson	Date: 7/21/2021
Project ID: 21047		Client: Ramboll	Location: whitesboro



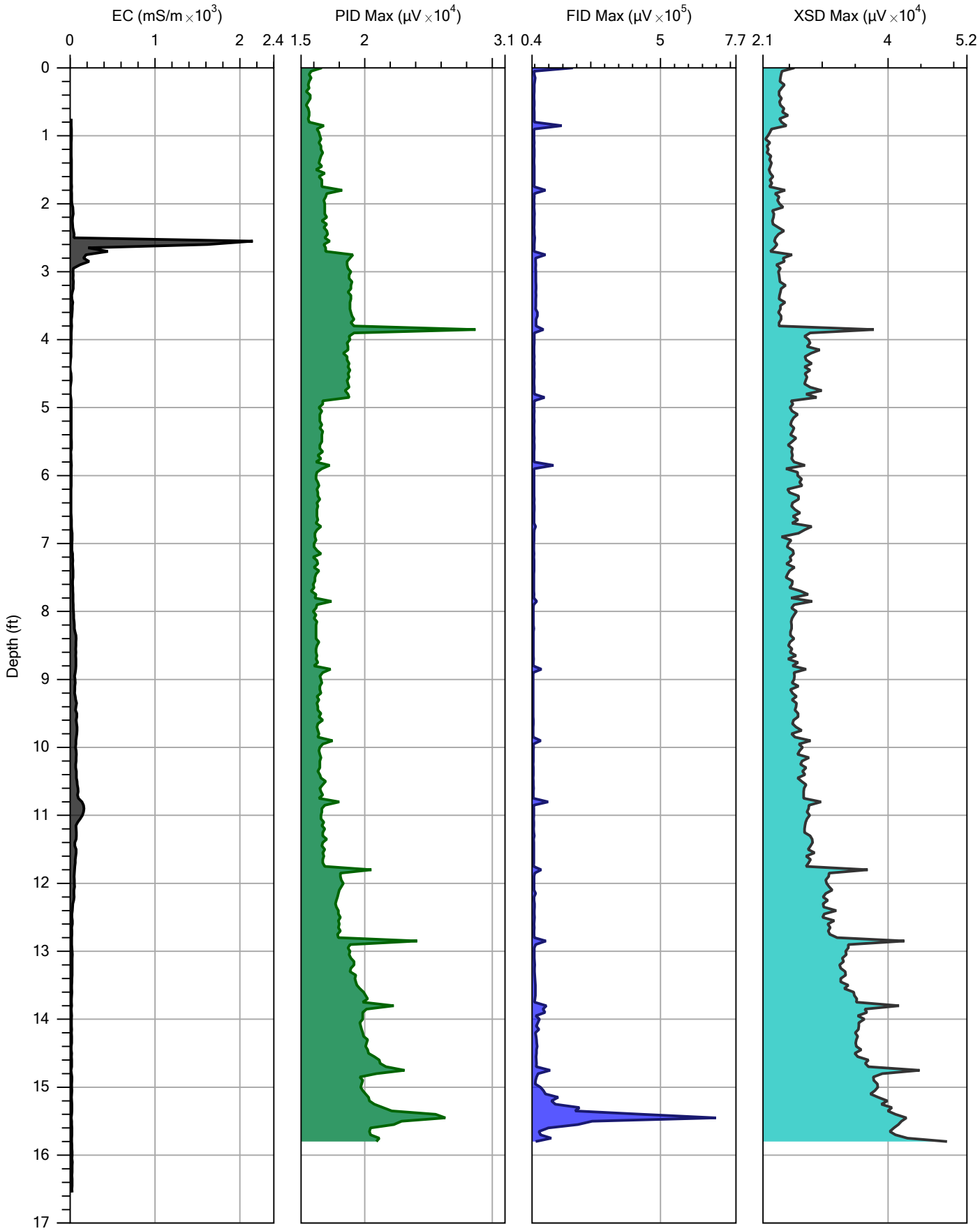
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Project ID: 21047	Client: Ramboll	Location: whitesboro



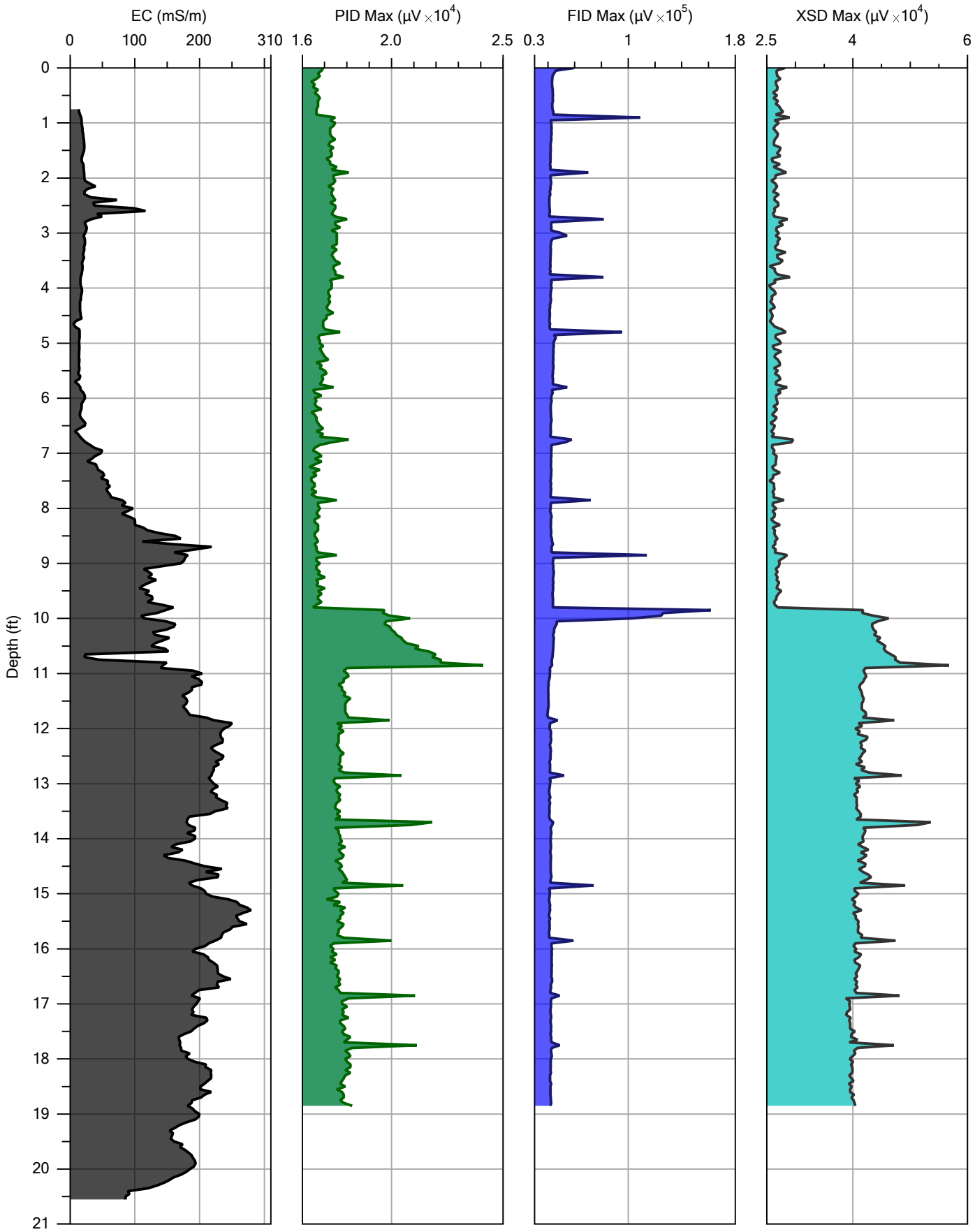
Direct Image® By Geoprobe Systems®

Company: Parratt-Wolff, Inc.	Operator: Wayne Nielson		File: SB-36.MHP
Project ID: 21047	Client: Ramboll		Date: 7/22/2021
			Location: whitesboro



Direct Image® By Geoprobe Systems®

Company: Parratt-Wolff, Inc.	Operator: Wayne Nielson		File: SB-37.MHP
Project ID: 21047	Client: Ramboll		Date: 7/22/2021
			Location: whitesboro



Direct Image® By Geoprobe Systems®

		File: SB-38.MHP
Company: Parratt-Wolff, Inc.	Operator: Wayne Nielson	Date: 7/22/2021
Project ID: 21047	Client: Ramboll	Location: whitesboro

RAMBØLL

APPENDIX E
SOIL BORING LOGS

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING MW-16D
Client: NYSDEC	Sampler: ~~2" split Spoon~~ 2" Macrocore	Page 1 of 1
Proj. Loc: Whitesboro, NY	Hammer: ~~140 lb~~ Auto	Location:
File No.:	Fall: 30"	Start Date: 4/22/13 End Date: 4/22/13
Boring Company: Geologic		Screen = \ Grout
Foreman: Dave Lyons		Riser Sand Pack
OBG Geologist: Jason Martin		Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
						See MW-16S				
						Augered to 20' bgs				
20		24		4/2.0		Same as MW-16S			0.0	0844
24		28		4/2.5		Same as MW-16S				
						27.5 - 28.0 Till				
						augered to 28.5				
						Screen 28-23				
						Sand 28-21				
						Bentonite 21-19				
						Grout 19 - 0.5				

O'BRIEN & GERE ENGINEERS, INC.		MW-163
Client: NYSDEC Proj. Loc: Whitesboro, NY File No.:	Sampler: ~~2" split Spoon~~ 2" Macro-Core Hammer: ~~140 lb~~ Auto Fall: ~~30"~~	Page 1 of 2 Location: Start Date: 4/15/13 End Date: 4/16/13
Boring Company: Geologic Foreman: Steve Laramie OBG Geologist: Jason Newton		Screen = | Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Time	— open Air
0	1	4	—	4/2.2	—	0.0-0.8' Dark yellowish brown 10YR4/2, dry, loose, poorly sorted SAND AND GRAVEL	Sand+gravel	0.8	0.0	1237	
									0.1	— Head Space (HS)	
							SAND				
						0.8-2.2 Moderate yellowish brown (10YR5/4) dry to damp at the nose), loose FM SAND, trace course sub-angular gravel.			0.0	1237	
4	2	8	—	4/4	—	4.0-4.3 Dark yellowish brown (10YR4/2) damp, loose FM Submarded GRAVEL, little Fine sand.	Sand+gravel	4.0 4.7	0.0	1250	4.7-8.0' 0.2 ppm (HS)
						4.3-4.7 Dark yellowish brown (10YR3/2) to Black (N1), Wet SAND and GRAVEL sized ash or Cinder.	▽	5.0	0.0	1252	0.1 (HS)
						4.7-7.8 Moderate brown (5YR4/4) damp to Saturated, stiff SILT, some FM sand trace clay and Very fine sand	SILT	7.8	0.0	1255	
						7.8-8.0 Moderate yellowish brown (10YR5/4) Saturated, loose, Medium to Course Submarded to subangular Poorly sorted SAND			0.0	1257	
8	3	12	~~12~~	4/2.0		8.0-10.0 Dark yellowish brown (10YR4/2) Saturated, loose, Submarded Course SAND and Fine GRAVEL f to medium	Sand + gravel		0.1	1305	8'-12' 0.6 ppm (HS)
12	4	14		2/2		SAA					

O'BRIEN & GERE ENGINEERS, INC.		MW-16S
Client: NYSDEC	Sampler: ~~2" split Spoon~~ 2" Macro-Core	Page 2 of 2
Proj. Loc: Whitehall, NY	Hammer: ~~140-lb~~ Auto	Location:
File No.:	Fall: ~~30"~~	Start Date: 4/15/13
		End Date: 4/16/13
Boring Company: Geologic	Screen = \ Grout	
Foreman: Steve Lurenz	Riser Sand Pack	
OBG Geologist: Jason Newton	Bentonite	

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
14	2	18		4/2		14 - 15.8 Dark yellowish brown (10YR4/2) Saturated, dense, FINE Subrounded GRAVEL, little FINE Sand and Silt	Gravel		0.0	1336
								15.8		
						15.8 - 16.0 Olive Grey (5Y4/1) damp to dry, Very hard, SILT Some FINE Subangular gravel, trace FINE sand. trace white (N9) Sand to F gravel sized grains	Silt		0.0	1338
								18		
18	3	22		4/0.5		18.0 - 18.5 greyish red (10R4/2) Wet, Very dense, Subangular ~~gravel~~ GRAVEL, some FINE Sand	Gravel		0.0	1341
								22		
22	4	24		2/0.3		~~22~~ 0 - 0.3 Greyish red 10R4/2, Saturated, firm SILT and F SAND	Silt + F Sand		0.0	1350
24	5	25				Auger only		24		
25	6	27		2/0.5		~~Olive~~ 0 - 0.5 Olive grey (5Y4/1) damp, very dense, angular to Subangular ~~gravel~~ ~~Some~~ Coarse GRAVEL, ~~and~~ Some Sand and Silt.	Gravel		0.0	1411
								27		
27	7	28		1/1		27 - 28 greyish Red (10R4/2) dry, extremely dense, SILT, some Subangular FINE gravel and Coarse Sand.	Till		0.0	1494
									0.1	HS
						End Boring 28' bgs				

Sand Bentonite 14.5 - 2 / 2 - 1.5

Screen ~~4~~ 4' - 14' bgs

SAA = Same as Above

HS = Head Space

14' - 18' 1.3 ppm (HS)

O'BRIEN & GERE ENGINEERS, INC.		MW-17
Client: NYSDEC	Sampler: 2" ~~split Spoon~~ Macro-core	Page 1 of 2
Proj. Loc: Whitesboro, NY	Hammer: ~~140-lb~~ Auto	Location:
File No.:	Fall: ~~30"~~	Start Date: 4/16/13 End Date: 4/17/13
Boring Company: Geologic Foreman: Steve Kramme OBG Geologist: Jason Newton		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Time
0	1	4	—	4/2.7	—	0-0" Blacktop 0.0-0.8 Dark yellowish brown (10YR4/2) dry, loose, FMC SAND, trace Fine mylon grave 0.8-1.0 olive black (5Y3/1) dry to damp, loose FMC SAND ~~0.8~~ 1.0-2.0 Pale brown (5YR5/2) dry, firm, SILT and Fine SAND, trace gravel, few clay. 2.0-2.3 Black (N1) and White (N9) SAND and GRAVEL sized grains of (coal/ash?), some silt sized grains 2.3-2.7 Dark yellowish brown (10YR4/2) damp, firm Clayey SILT, little fine sand	BT Sand Silt+FSand Coal/ash Silt	2" 1' 2' 2.3' 4.7'	0.0 2.0' 2.3' 0.0 ppm (HS)	0.0 0954 (HS)
4	2	8	—	4/2.0	—	0.0-0.7 Dusky yellowish brown (10YR4/2), dry to damp, firm, SILT, trace clay, trace FM Subrounded gravel 0.7-2.0 Pale brown 5YR5/2 dry to damp, firm, poorly sorted SAND and GRAVEL (subrounded) trace Silt. None of the tube was saturated	Sand + gravel		0.0	1007
8	3	10		2/0		NO recovery, Saturated Spoon, Petrolium odor			0.0 8.0' = 0.0 ppm (HS)	

O'BRIEN & GERE ENGINEERS, INC. | MW-17

Client: NYSDEC
Proj. Loc: Whitesboro, NY
File No.:

Sampler: 2" split Spoon
Hammer: ~~140-lb~~ Macro Auto
Fall: 30"

Page 2 of 2
Location:
Start Date: 4/16/13
End Date: 4/17/13

Boring Company: Geologic
Foreman: Steve Iacona
OBG Geologist: Jason Newton

Screen | Riser | Grout | Sand Pack | Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
10	4	14	/	4/2.3	/	0.0 - 0.9 Dark yellowish brown (10YR4/2) Saturated, Medium dense, Subrounded to Subangular SAND and GRAVEL trace SILT	sand + gravel		0.0	1020
								10.9	@ 11.8' = 0.1 ppm (HS)	
						0.9 - 1.8 grayish red (10R4/2) Saturated, firm, SILT and FINE SAND, some Subangular fine to medium gravel	silt + F sand	11.8		
						1.8 - 2.3 Medium dark gray (N4), dry to damp, Very dense SAND and GRAVEL, some Cobbles, little SILT	sand + gravel			
14	5	18		4/2.3		0.0 - 0.9 SAA		14.9		
						0.9 - 2.3 grayish red (10R4/2) dry, stiff, SILT, trace dry trace FINE Subrounded to Subangular gravel	Till		0.0	1036
18	6	20		2/2.3		SAA			0.0	1150
20	7	21.4		1.4/1.0		SAA				
						END bory 21.4' bgs				

Screen 5'-15' Sand 3-15
Riser 5'-0' Bentonite 3-0.5

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING MW-18D
Client: NYSDEC	Sampler: ~~2" split Spoon~~ Muncore	Page 1 of
Proj. Loc: Whitesboro, NY	Hammer: ~~140 lb~~ Auto	Location:
File No.:	Fall: ~~30"~~	Start Date: 4/22/13
		End Date: 4/23/13
Boring Company: Geologic		Screen = \ Grout
Foreman: David ~~Boss~~ Lyons		Riser Sand Pack
OBG Geologist: Jason Newton		Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
						SEE MW-18S				
						Augur to 20' bgs				
20	1	24		4/3		Same as MW-18S				
						~~Augur 23.8 feet~~				
24	2	24.9		0.9/1.5		0.0-1.5 Grysh Red (10R4/2) dry, Extremly dense, SLT some Subangular FN gravel	sand + gravel / Till	23'	0.0	1612
						~~Spoon Augers~~ becam hard to advance at 23'				
						Spoon refusal at 24.9				
						Augur to refusal at 24.0				
						Screen 24'-19'				
						Sand 24'-17'				
						Bentonite 17'-10'				
						Grout 10'-0.5'				

O'BRIEN & GERE ENGINEERS, INC. MW-18S

Client: NYSDEC
Proj. Loc: Whitesboro, NY
File No.:

Sampler: ~~2" split Spoon~~ 2" Macrocore and 2" Split Spoon
Hammer: ~~140 lb~~ Auto
Fall: ~~30"~~

Page 1 of 2
Location:
Start Date: 4/17/13
End Date: 4/18/13

Boring Company: Geologic
Foreman: Steve Towne
OBG Geologist: Jason Newton

Screen [=] Grout
Riser [ ] Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
0	1	4	—	4/3.6	—	0.0-0.3 Concrete	Concrete	0.3	0.0	0845
						0.3-0.8 Dark yellowish brown (10YR4/2) damp, firm SAND and SILT, some FM subrounded gravel				
						0.8-1.5 Grayish brown 5YR3/2 damp, stiff Clayey SILT	Silt			
						1.5-2.9 Moderate brown 5YR3/4 damp, hard, Clayey ~~SILT~~ SILT and GRAVEL (F-M subrounded) ~~little~~ FMC Sand some	Silt + gravel			
						2.9-3.3 Dusty ~~brown~~ yellowish brown (10YR2/2), damp to dry, loose, Clayey SILT		4.3		
4	2	8		4/0.7		0.0-0.3 SAA	Sand + gravel		0.0	0850
						0.3-0.7 Moderate brown (5YR3/4) damp (wet at the nose @ 8') loose SAND and GRAVEL subangular and poorly sorted little silt		8.0		
8	3	10		2/1.6		0.0-1.6 Dark yellowish brown (10YR4/2) damp (wet at 8.9') Stiff Fine SAND and SILT trace Clay	FSand + Silt	8.9	0.0	0904
10	4	12		4/0.5		0.0-0.5 SAA saturated			0.0	0911
14	5	16		2/1.3		0.0-1.3 SAA			0.0	0923
16	6	18		2/2		0.0-2.0 SAA Higher Clay content 0.5-0.9 Higher FM sand content 0.9-1.4	Clayey silt FMSAND	16.5 16.9 17.4	0.0	0938
18	7	20		2/1.0		0-1.0 Dark yellowish brown (10YR4/2) Saturated, dense, Coarse angular SAND and FMC GRAVEL some Silt	Sand + gravel	18.0	0.0	0951

O'BRIEN & GERE ENGINEERS, INC.		MW-18S
Client: NYSDEC	Sampler: 2" split Spoon	Page 2 of 2
Proj. Loc: Whitesboro, NY	Hammer: ~~140-lb~~ Auto	Location:
File No.:	Fall: 30"	Start Date: 4/17/13 End Date: 4/16/13

Boring Company: Geologic
Foreman: Steve Iannone
OBG Geologist: Jason Newton

Screen [=] [\] Grout
Riser [ ] [ ] Sand Pack
[ ] [■] Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
20	8	22	—	2/13	—	SAA grans an more submounded	sand		0.0	1003
22	9	~~23.5~~ 23		17/1.2		SAA ayden to submounded grey	silt		0.0	1029
						END bory 23.5' bgs				

Screen ~~15-5~~ 15-5 sand 15-3.0
riser 5'-0' Bentonite 3-0.5

O'BRIEN & GERE ENGINEERS, INC. MW-19

Client: NYSDEC
Proj. Loc: Whitehall, NY
File No.:

Sampler: 2" split Spoon + Macrocore
Hammer: ~~140 lb~~ Auto
Fall: ~~30"~~

Page 1 of 1
Location:
Start Date: 4/17/13
End Date: 4/18/13

Boring Company: Geologic
Foreman: Steve Lavoie
OBG Geologist: Jason Newton

Screen | Riser | Grout | Sand Pack | Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
						0.0-0.1 BlackTop	BlackTop	0.1		
0	1	2.5	—	2.5/1.6	—	0.5-0.9 greyish brown (5YR 3/2) damp, Medium dense SAND trace F gravel	Sand		15.5	1432
									276 ppm	1522 (HS) (0.9-1.6)
						0.9-1.6 Dark yellowish brown (10YR 4/2) damp, loose SAND				
2.5	2	4.5		2/0.9		0.0-0.3 SAA		2.5		
						0.3-0.9 Black (N1), damp loose, coarse SAND sized grains of coal/ash	Coal/Ash	2.5-4.5 Sample 3.7	349.0	1442
4.5	3	6.5		2/0.8		0.0-0.8 Dusky yellowish brown (10YR 2/2), firm, clayey SILT, some Subrounded, FM gravel.	Silt		5.7	1444
								5.8		
5	4	9		4/2.1		0.0-0.8 SAA 0.8-2.0 Greyish brown (5YR 3/2) damp + Wet at ≈ 9', dense, Subrounded SANDS and GRAVEL	Sand + Gravel		23.0	1456
								9.8		
9	5	11		2/1.7		0.0-0.8 SAA Subrnd 0.8-1.7 Greyish Red 10R 4/6 dry, extremely hard, Clayey SILT some FM Subrnd to Subangular gravel (Till?)	Till	10-11 sample	5.7	1517
10	6	14		4/3.6		0.0-3.6 SAA (Till) More Fissile.				
									0.1	1519
						END boring 14' bgs				

Screen 14'-4' Sand 14'-2'
Riser 4'-0.5' Bentonite 2'-0.5 SAA = Same as Above HS = Head Space

O'BRIEN & GERE ENGINEERS, INC | MW-20

Client: NYSDEC
Proj. Loc: Whitehboro, NY
File No.:

Sampler: 2" split Spoon + Macrocore
Hammer: ~~140-lb~~ Auto
Fall: ~~30"~~

Page 1 of 1
Location:
Start Date: 4/18/13
End Date: 4/18/13

Boring Company: Geologic
Foreman: Steve Ivarone
OBG Geologist: Jason Newton

Screen = | Grout
Riser | Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
						0.0-0.1 Blank Top	BT	0.1		
0	1	4	-	4/1.3	-	0.0-1.3 Moderate brown (5YR 4/4) Damp, loose SAND and subrounded to Angular GRAVEL	Sand + gravel		0.0	0934
4	2	8		4/0		No Recovery Spoon went to 4' bgs ~~5' bgs~~				
8	3	10		2/0.9		2.0-2.3 moderate brown (5YR 4/4) & wet, loose SAND and GRAVEL		8.3	0.1	0944
						2.3-0.9 Pale brown (5YR 5/2) Saturated, firm SILT and F SAND (only 1.8' of Spoon was wet)	▽ 8'-10'		1.3	0950
10	4	12		2/0		No Recovery	Silt + F Sand			
12	5	16		4/3.5		12.5-13.5 Dark yellowish brown 10YR 4/2, saturated, St. ff, SILT and F SAND	Samples 12.5-13.5 1010	13.5	0.0	1010
						13.5-16 Grayish Red (10YR 4/2) dry, Very hard, SILT, some F/M gravel, trace clay	Samples 13.5-14.5 1012		0.0	1012
							Till			
						END boring 16' bgs				

Screen 14.5-4.5 Sand 14.5-2.5
Riser 4.5-0.5 Bentonite 2.5-0.5

O'BRIEN & GERE ENGINEERS, INC.

MW-21

Client: NYSDEC
Proj. Loc: Whitesboro, NY
File No.:

Sampler: 2" split Spoon + Macro core
Hammer: ~~140 lb~~ Auto
Fall: ~~30"~~

Page 1 of 1
Location:
Start Date: 4/18/13
End Date: 4/18/13

Boring Company: Geologic
Foreman: Steve Lavine
OBG Geologist: Jason Mendon

Screen | Riser | Grout | Sand Pack | Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
						0.0 - 0.7 Black Top	BT	0.7	0.0	1245
0	1	4		4/2.9		0.7 - 1.9 Olive black (5Y3/1) damp, loose SAND and GRAVEL, Some grains of Coal/ash	~~Fill~~ Coal/Ash	1.9		
						1.9 - 2.4 Grayish brown (5YR5/2) damp, firm, Silty CLAY	silty clay			
4	2	8		4/2.9		0.0 - 1.5 SAA increasing silt		6.5	0.0	1247
						1.5 - 2.9 Moderately yellowish brown (10YR5/4) damp, stiff SAND and GRAVEL Little silt, trace clay	Sand + gravel			
8	3	10		2/0		No Recovery	?			
10	4	14		4/2.7		0.0 - 1.8 Pale brown (5YR5/2) wet, stiff SAND and GRAVEL, little silt trace clay	Sand + gravel	10	0.0	1318
						1.8 - 2.7 Grayish Red 10R4/2 dry, very hard, SILT, some FM Subrounded gravel, trace clay	Till	13		
						END boring 14'				

Screen 14-4
Riser 4-0.5
Sand 14-2
Bentonite 2-0.5

SAA = Same as above

O'BRIEN & GERE ENGINEERS, INC. MW-22

Client: NYSDEC
Proj. Loc: Whitehall, NY
File No.:

Sampler: 2" split Spoon + Macrocore
Hammer: ~~140-lb~~ Auto
Fall: ~~30"~~

Page 1 of 1
Location:
Start Date: 4/18/13
End Date: 4/19/13

Boring Company: Geologic
Foreman: Steve Ivans
OBG Geologist: Jason Newton

Screen [=] | Grout
Riser [ ] | Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
0	1	4		4/1.8		0.0-0.4 Blacktop 0.4-1.8 Grayish brown (5YR 3/2) damp, soft Silty CLAY, some sand and gravel, little sand and gravel sized coal/ash (Blacktop)	BT Silty Clay	0.4	0.0	1547
4	2	8		4/1.2		0.0-1.2 Dark yellowish brown (10YR 4/2) damp, loose SAND and GRAVEL some silt and clay.	Sand + gravel S + G	4	0.0	1550
8	3	10		2/1.5		0.0-1.5 Pale brown (5YR 5/2) wet to saturated, Silty CLAY 0.2' silty + F sand seam	Silty Clay	8	0.0	1604
10	4	14		4/4		0.0-4.0 Pale brown (5YR 5/2) Saturated, stiff, F SAND and SILT, varying amounts of Clay.	F sand + Silt	10	0.0	1611
14	5	18		4/2.8		SAA trace FM Subrounded gravel			0.0	1624
18	6	20		2/1.9		0.0-0.9 Dark yellowish brown (10YR 4/2) Saturated, Medium dense FM SAND 0.9-1.9 Grayish Red (10R 4/2) damp to dry, hard SILT, little Subrounded gravel, trace sand and clay (Till) End boring 20' bgs	FM Sand Till	18 19	0.0	1644

Screen 14'-4'
Riser 4-0.5
Sand 14'-2'
Bentonite 2'-0.5'
SAA = Same as above

O'BRIEN & GERE ENGINEERS, INC. MW-23

Client: Geologic
Proj. Loc: Whitesboro, NY
File No.:

Sampler: ~~2" split Spoon~~ Macro Core
Hammer: ~~140-lb~~ Auto
Fall: ~~30"~~

Page 1 of 1
Location:
Start Date: 4/19/13
End Date: 4/19/13

Boring Company: Geologic
Foreman: David Lyons
OBG Geologist: Jason Newton

Screen | = | \ | Grout
Riser | | | Sand Pack
| | | Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
0	1	4	—	4/2.7	—	0.0-0.5 Top soil 0.5-2.7 Moderate brown (5YR 3/4) damp to damp, Soft, SILT, some FM Subrounded gravel little FM ~~SAND~~ Sand, trace Clay.	TS SILT	0.5	0.0	0843
4	2	8		4/2.7		0.0-1.2 Grayish brown (5YR 3/2) damp, loose SAND and GRAVEL little silt, gravel is FM Subrounded. 1.2-1.6 Dark yellowish orange (10YR 6/6), damp, Stiff silty CLAY, little FM ~~SAND~~ Sand and F gravel. 1.6-2.7 Pale brown (5YR 5/2) damp, Hard silty CLAY, trace Subrounded gravel.	Sand + gravel Silty Clay	4 5.2 8	0.0	0844
8	3	10		2/1.2		0.0-0.7 Pale brown (5YR 5/2) Saturated, Medium dense, SILT and Fine SAND 0.7-1.2 Dark yellowish brown (10YR 4/2) Saturated, Medium dense, Fine SAND	Silt + F Sand Sand	8.7	0.3	0854
10	4	14		4/0.0		NO Recovery 13.8 (gravel/cobbles) Augur bouncing 13.7 seems hard F. drive spoon.		13.8		
14	5	18		4/3.2		0.0-0.7 Dark yellowish brown (10YR 4/2) Saturated, loose, SAND and GRAVEL 0.7-3.2 Grayish red (10R 4/2) dry very hard SILT, some Subrounded gravel	Sand + gravel Till	14.7	0.0	0920

Screen 15'-5' Sand 15-3'
Riser 5'-0.5 Bentonite 3'-0.5'

End bore 18'

O'BRIEN & GERE ENGINEERS, INC.

SOIL BORING LOG

REPORT OF BORING
MW-24

Client: NYSDEC
Proj. Loc: Whitesboro, NY
File No.: 49631

Sampler: ~~2" Split spoon~~ Macrocore
Hammer: Auto
Fall: ——

Location: Whitesboro, NY
Start Date: 11/21/13
End Date: 11/21/13

Boring Company: Geologic
Foreman: David Lyons
OBG Geologist: Jason Newton

Screen = \ Grout
Riser ▯ ▯ Sand Pack
▮ Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
0	1	4		4/2.7		0.0-0.5 Top soil 0.5-0.8 Grayish brown (5YR 3/2) dry, loose SAND and GRAVEL, some silt 0.8-2.5 Moderate brown (5YR 4/4) dry, loose SAND little Submitted gravel 2.5-2.7 dk brown black (5Y 2/1) dry, loose GRAVEL some Fine Sand	TS Sand + GRAVEL		0.0	1017
4	2	8		4/2.8		0.0-0.7 Medium gray (N5) dry, loose GRAVEL, some Sand. 0.7-2.8 Moderate brown (10YR 3/4), dry to 2.5 (damp) loose, SAND.	▽	7.7'	0.0	1030
8	3	12		4/1.9		0.0-0.8 Dusky yellowish brown (10YR 3/2) damp to wet SAND and GRAVEL 0.8-1.7 Dusky yellowish brown (10YR 3/2) wet, stiff SAND and SILT, little gravel, little organics, one large 0.25" piece of wood. 1.7-1.9 Grayish Red (5R 4/2) dry, extremely hard SILT, some clay, some Submitted gravel (Till)	Sampled 10.8-11.8 SAND + SILT Till	10.9 11.8	0.0	1040
12	4	16		4/0.8		0.0-0.8 ~~SAA~~ END Bory 16'			0.0	1045

Slight Septic Odor

Notes: Screen (13-3) Sand (13-2) Seal (2-0.5)

O'BRIEN & GERE ENGINEERS, INC. | **SOIL BORING LOG** | **REPORT OF BORING** MW-25

Client: NYSDEC
Proj. Loc: Whitesboro, NY
File No.: 49631

Sampler: ~~2" Split spoon~~ Macrocore
Hammer: Auto
Fall: ——

Location: Whitesboro, NY
Start Date: 11/22/13
End Date: 11/22/13

Boring Company: Geologic
Foreman: David Lyons
OBG Geologist: Jason Newton

Screen = \ Grout
Riser = | Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
0	—	0.5	——	——	—	Concrete sidewalk.	Sidewalk	0.5	0.0	0901
0.5	1	4		4/0.8		0.0-0.8 Grayish brown (5YR3/2) damp, firm SAND and GRAVEL Some Silt.	Sand + Gravel		0.0	0920
4	2	8		4/2		0.0-2.0 Moderate yellowish brown (10YR5/4) at the top change to Dark yellowish brown (10YR4/2) at the bottom; damp, Stiff Silty CLAY. Firm down	Silty CLAY		0.0	0935
8	3	12		4/4		0.0-1.4 Dark yellowish brown (10YR4/2) Saturated; loose, SAND (FM).	SAND	81 sample 8-9	0.0	0945
						1.4-4.0 Pale brown (5YR5/2) Saturated, Firm Clayey SILT	Clayey Silt	9.4	0.0	0950
12	4	16		4/4		0.0-4.0 Pale brown (5YR5/2), Saturated, stiff, CLAY and SILT	$ CLAY Silt	12	0.0	0957
16	5	20		4/2.4		0.0-2.0 SAA 2.0-2.4 Grayish Red (10R4/2) damp, hard, SILT, Some Clay, little subrounded gravel. (Weathered Till)	Weathered Till	17.5	0.0	1010
20	6	23.4		3.4/1.7		0.0-0.7 Grayish Red (10R4/2) damp to dry, Very hard, SILT and Fm Subround GRAVEL, little Fine sand (Weathered Till) End Boring 23.4 (Refusal (Probe))			0.0	1027

Notes: Screen (16-6) Sand (16-4) Seal (4-0.5)

O'BRIEN & GERE ENGINEERS, INC.	SOIL BORING LOG	REPORT OF BORING MW-26
Client: NYS DEC	Sampler: 2" Split Spoon / 4' Macro Core	Location:
Proj. Loc: Whitehall, NY	Hammer: ~~140-lb drop~~ auto	Start Date: 9-11-14
File No.: 49631	Fall: ~~30"~~	End Date: 9-11-14
Boring Company: Geologic Foreman: David Lyons OBG Geologist: Jason Mudra		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing MVA (Hg)
0	1	4		4/1	—	0-0.7 ~~Dry pale Orange~~ Dusky brown (5YR 3/2), dry, loose, Silt and F Sand (Top Soil)	TS		0.0	
						0.7-1.0 Moderate brown (5YR 3/4), dry, loose, Silt and FM Sand, gravel	Silt + gravel		0.0	
4	2	6		2/1.5		0-0.2 SAA 0.2-1.5 Moderate brown (5YR 4/4), Saturated, Stiff Silt and FF Sand			0.0	
6	3	7		1/1		0-0.5 SAA	Silt + FSand		0.0	
						0.5-1.0 Dark yellowish brown (10YR 4/2) Saturated, Stiff Silt and F Sand trace clay. (Sample MW-26-6-7-20141114, MS, MSD) (JMN, 3/16/15)			0.0	
7	4	11		4/3.5		0.0-1.5 SAA			0.0	
						1.5-2.3 Dark yellowish brown (10YR 4/2), Saturated, loose FM ~~Sand~~, little Silt.	Sand			
						2.3-3.5 Dark yellowish brown (10YR 4/2), Saturated, stiff ~~Silt~~ and F SAND	Silt + FSand		0.0	
11	5	15		4/4		0-4 Dark yellowish brown (10YR 4/2) Saturated, loose, Fine SAND, some silt.	Sand		0.0	
						Cont on Page 2				

O'BRIEN & GERE ENGINEERS, INC.

SOIL BORING LOG

REPORT OF BORING MW-26

Client: NYSDEC
Proj. Loc: Middleboro, NY
File No.: 4463

Sampler: ~~2" Split Spoon~~ 4" Macro
Hammer: ~~140-lb drop~~ Auto
Fall: ~~30"~~

Location:
Start Date: 9-11-14
End Date: 9-11-14

Boring Company: Cascade
Foreman: David Yuhas
OBG Geologist: Jason Newton

Screen = \ Grout
Riser Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing MVA (Hg)
15	6	19		4/2.4		0.0 - 1.8 SAA -decreasing Moisture and increasing fines			0.0	
						1.8 - 2.4 Moderate yellowish brown (10YR5/4), damp to wet, dense FINE SAND and F GRAVEL, Angular and well Graded, some Silt.	STG		0.0	
19	7	21		2/0.8		0 - 0.8 Dark yellowish brown (10YR4/2) Saturated, loose, FM Subrounded GRAVEL, and FINE sand, trace Silt			0.0	
21	8	22		1/0		No Recovery				
22	9	23		1/0.7		0.0 - 0.6 Dark yellowish brown (10YR4/2), damp, loose, FINE Subangular, well Graded SAND trace Silt	Sand & Silt		0.0	
						0.6 - 0.7 Dark grey N3, damp, loose, FINE Subangular, well graded, SAND, trace Silt (Sample MW-26-22-23-091114) (JMN, 3/16/15)			0.0	
23	10	27		4/2.8		0.0 - 0.7 Dark yellowish brown (10YR4/2), wet to Saturated, Stiff, FM SAND, Some silt			0.0	
						0.7 - 1.6 SAA Primarily SILT, some F sand.			0.0	
						1.6 - 2.8 ~~EST~~ SAA FINE SAND and GRAVEL	STG		0.0	
27	11	29		2/1		0 - 1 Greyish Red (10R4/2) dry to damp, extremely hard, SILT, ~~some~~ trace Sand, some FINE Subrounded Gravel	Till		0.0	

Refusal at 29' bgs, Screen 4-14, Sand 14-3, Riser 4-~~0~~ 0.2, Bentonite, 3-1, 1-~~0~~ 0.5 Sand

O'BRIEN & GERE ENGINEERS, INC.

~~TEST BORING LOG~~ REPORT OF BORING SB-9

Client: ~~GE~~ Whitesboro Dry Cleaners
Proj. Loc: Whitesboro NY
File No.:

Sampler: ~~2" split Spoon~~ Macrocore
Hammer: ~~140-lb~~ Auto
Fall: ~~30"~~

Page 1 of 1
Location:
Start Date: 4/5/13
End Date: 4/5/13

Boring Company: Vimex
Foreman: Chuck Terry
OBG Geologist: Jason Newton

Screen | Riser | Grout | Sand Pack | Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
0	1	5	/	5/3.2		0-0.5 BT 0.5-1.7 Dark yellowish brown 10YR4/2. Dry to Saturated (1.3-1.7 saturated), loose FM SAND	BT Sand		0.0	0810
						1.7-2.2 Grayish black (N2) to black (N1), Wet loose FMC SAND, little Silt. Possible Stone/Whiteish layer at the top of the section		2 1 3.2 Samples	0.0	0820
						2.2-3.2 Moderate brown (5YR3/4) dry, firm SILT and CLAY ~~White (mid) Fragment layer at t~~	Silt + Clay			
5	2	10	—	5/2.5	—	0.0-0.9 SAA 0.9-1.9 Moderate brown 5YR3/4) damp, dense, FMC SAND and FMC GRAVEL Well graded, Subrounded to Subangular grains, @ 1.6 becomes Saturated			0.0	0834
						1.9-2.5 Moderate yellowish brown (10YR5/4) Saturated, loose, Well graded SAND and GRAVEL	Silt + Gravel and Sand	(6'-8') 6 1 8 Samples		
~~10~~	~~3~~	~~15~~		~~5/3.5~~						
10	3	15	—	5/3.5	—	0.0-0.8 SAA 0.8-3.5 Grayish Red 5R4/2, dry, Very dense, Clayey SILT, Some FM Subangular gravel	Till	11-12 Samples 13.5-14.5 Samples	0.0	0850

15' End of Boring

O'BRIEN & GERE ENGINEERS, INC. | **TEST BORING LOG** | **REPORT OF BORING** SB-15

Client: Whitesboro Dry Cleaners
Proj. Loc: Whitesboro NY
File No.:

Sampler: ~~2" split Spoon~~ Macro Core
Hammer: ~~140-lb~~ Auto
Fall: ~~30"~~

Page 1 of 1
Location:
Start Date: 4/5/13
End Date: 4/5/13

Boring Company: Vironex
Foreman: Chuck Terry
OBG Geologist: Jason Newton

Screen | Riser | Grout | Sand Pack | Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Time
0	1	5		5/2		0-0.5 Blacktop	BT		0	
						0.5-0.6 Grayish brown (5YR 3/2) dry, loose, well graded SAND and GRAVEL	Sand + Gravel		10.0 / 15.0	0900
						0.6-0.7 White (N9), dry loose SAND and GRAVEL Sized ~~pebbles~~ grains		Sample 4-5	5 feet	
						0.7-1.3 Moderate yellowish brown (10YR 5/4) dry, loose FM SAND.	Sand			
						1.3-2 Dusky yellowish brown (10YR 2/2) damp, firm Clayey SILT				
							▽ 6-8	6-8 Sample	0.0 5'-10'	0918
5	2	10		5/~~2.5~~ 2.5		0-0.9 Grayish brown (5YR 3/2) dry, Stiff Clayey SILT, little Subrounded FM gravel	Silt			
						0.9-2.3 Moderate yellowish brown (10YR 5/4) Stratified, loose, well graded SAND and GRAVEL, trace Silt	Stc			
								5.3		
						~~2.3~~ 2.3-2.5 Grayish Red (5R 4/2), dry, Very dense Clayey SILT, Some FM Subangular gravel	Till			
								9-10 Sample	3.2	0930
10	3	11		1/1		SAA trace White (N9) F grained Sized grains at the top of the Sample.			1.3	0934

11' END of ~~Borng~~

SAA = Same as above.

O'BRIEN & GERE ENGINEERS, INC. | **TEST BORING LOG** | **REPORT OF BORING** SB-16 / SS-1

Client: Whitesboro Dry Cleaners
Proj. Loc: Whitesboro, NY
File No.:

Sampler: ~~2" split Spoon~~ Macrocore
Hammer: ~~140-lb~~ Auto
Fall: ~~30"~~

Page 1 of 1
Location:
Start Date: 4/5/13
End Date: 4/5/13

Boring Company: Vironex
Foreman: Chuck Terry
OBG Geologist: Jason Newton

Screen | Riser | Grout | Sand Pack | Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing Time
0	1	5	—	5/4	—	0-2 Grayish brown (5YR 3/2) damp, soft, Clayey SILT Some FM Subangular gravel	Silt	Sample 0-2" 6-12" ~~12-24"~~ 4'-5'	FD/MS 0.0	MSD 1015
5	2	10		5/2.2		0-0.6 SAA 0.6-2.0 Moderate yellowish brown (10YR5/4) Saturated, loose, FM SAND, Some FM Subrounded gravel. 2.0-2.2 Dark gray (N3) saturated, ~~to~~ firm, SILT and F SAND, little Coarse ~~to~~ Subangular gravel trace clay.	▽ 6'-8' Sand & Silt		0.0	1022
10	3	15		5/2.2		0.0-1.4 Dark gray (N3) Saturated, loose, FM Angular GRAVEL, trace FM sand 1.4-2.2 Grayish Red (5R 4/2), dry, Very dense, Clayey SILT, Some FM Subangular gravel	Sample 7 10'-12' Gravel Till		0.0	1024 1035

15' End of boring.

SAA = Same as above

O'BRIEN & GERE ENGINEERS, INC.

SOIL BORING LOG

REPORT OF BORING SB-23R

Client: NYS DEC
Proj. Loc: Whitehall, NY
File No.: 49631

Sampler: ~~2" Split Spoon~~ / 4' Macrocore
Hammer: ~~140-lb drop~~ Auto
~~Fall: 30"~~

Location:
Start Date: 9-12-14
End Date: 9-12-14

Boring Company: ~~E~~ Geologic
Foreman: David Lyons
OBG Geologist: Jason Newton

Screen = \
Riser
Grout
Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing MVA (Hg)
0	1	4		4/2		0-0.5 Black top 0.5-2.0 Olive Black (5Y 2/1) damp, dense, SAND and GRAVEL some fill (cinders)	BT S+G		0.0	
4	2	6		2/1		0.0-0.4 SAA 0.4-1.0 Grayish brown (5YR 3/2) damp, soft, SILT and CLAY			0.0	
6	3	7		1/0.8		0-0.8 Grayish brown (5YR 3/2) damp, soft, SILT, trace Clay (Sample SB-23R-6-7-091214) (FD-2-091214)	Silt + Clay		0.0	
7	4	11		4/1.9		0.0-0.7 Moderate brown (5YR 4/4) damp + wet, Mdm dense, SAND and Subrounded ~~to~~ FM GRAVEL, well graded, trace silt 0.7-1.9 Dark yellowish brown (10YR 3/2), saturated, loose, FM SAND and SILT.	S+G Sand+Silt		0.0	
11	5	12		1/0.6		0-0.6 Dark grey (N3) damp, mg dense, angular, well graded SAND and GRAVEL, some silt. (Sample SB-23R-11-12-091214)	S+G		0.0	
12	6	16		4/2		0.0-0.2 SAA 0.2-~~1.3~~ 2.0 Grayish Red (10R 4/3), damp, xtremly hard, SILT, some F Sand, Some FM Subrounded gravel. ~~1.3 at~~ Refusal @ 16'	Till		0.0 0.0	

O'BRIEN & GERE ENGINEERS, INC.

SOIL BORING LOG

REPORT OF BORING SB-28R

Client: NYSDEC
Proj. Loc: Whitesboro, NY
File No.: 44631

Sampler: ~~2" Split Spoon~~ / 4' Macrocore
Hammer: ~~140-lb drop~~ Auto
~~Fall: 30"~~

Location:
Start Date: 9-12-14
End Date: 9-12-14

Boring Company: Geologic
Foreman: Doug Lyons
OBG Geologist: Jason Newton

Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing MVA (Hg)
0	1	3		3/2.2		0-0.2 Blacktop	BT		3.9	
						0.2-0.6 Grayish brn (5YR 3/2) damp, loose, subangular, well graded SAND and GRAVEL, some silt.			6.9	
						0.6-2.2 Grayish brn (5YR 3/2) damp, medium dense, FM SAND.				
3	2	4		1/1.1		0.0-1.1 dark brown (5YR 3/2) damp, loose, well graded, subangular, FMC SAND and FM GRAVEL, some silt. (Sample SB-28R-3-4-091214)	STG		10.4	
4	3	8		4/1.3		0-1.3 Grayish brn (5YR 3/2) damp STIFF, SILT some clay, little Submtd gravel.			2.4 @ 0.2	
									0.0 @ 1.1	
8	4	10		2/0		No Recovery				
10	5	11		1/0.6		0-0.1 Moderate yellowish brn (10YR 5/4), wet, dense, SILT some F sand, trace clay	SILT		0.1	
						0.1-0.6 Grayish Red (10R 4/2) damp, extremely hard, SILT, some F sand, some FM submtd gravel (Sample SB-28R-10-11-091214)			0.0	
11	6	13.3		2.3/2.0		0-0.2 SAA			0.0	
						Refusal @ 13.3' bgs				

O'BRIEN & GERE ENGINEERS, INC.

SOIL BORING LOG

REPORT OF BORING SB-29R

Client: NYSDEC
Proj. Loc: Whitehall, NY
File No.: 49631

Sampler: ~~2" Split Spoon~~ 4' Macrocore
Hammer: ~~140-lb drop~~ Auto
Fall: 30"

Location:
Start Date: 9-12-14
End Date: 9-12-14

Boring Company: Geologic
Foreman: David Lynds
OBG Geologist: Jason Newton

Screen = \
Riser
Grout
Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing MVA (Hg)
0	1	1.5		1.5/1.1		0-0.2 Black Top 0.2-1.1 Greyish brown (5YR3/2) dense, Medium dense FM, Subangular well graded, SAND and GRAVEL, Some silt.	BT		0.0	
1.5	2	2.5		1/1.1		0-1.1 Greyish brown (5YR3/2) dense, loose, FM SAND, little Subangular gravel, trace silt. (Sample SB-29R-1.5-2.5-091214)	SAND		0.0	
2.5	3	6		3.5/3		0.0-1.0 Dark yellowish brown (10YR4/2) dense, loose, FM SAND 1.0-1.6 olive black (5Y3/1) dense loose, FM, Subangular, well graded SAND, little F gravel			0.3 57.8	
						1.6-3.0 Moderate brown (5YR4/4) dense, stiff, SILT, some clay Some F sand.	Silt & clay		0.0	
6	4	9		3/1.1		0.0-0.6 SAA with some Subangular gravel 0.6-1.1 Moderate brown (5YR4/4) Saturated, stiff, SILT and F SAND, trace clay	Silt + F. Sand		0.0	
9	5	10		1/1		SAA (Sample SB-29R-9-10-091214)			1.2	
10	6	14		4/2.2		0-1.2 SAA 1.2-2.2 Greyish Red (10R4/2) dry, extremely hard, SILT, some F Sand, some Fm Subangular gravel (Till)	Till		0.0 0.0	
						END boring 14'				

O'BRIEN & GERE ENGINEERS, INC.	SOIL BORING LOG	REPORT OF BORING SB-31
Client: NYSDEC	Sampler: ~~2" Split Spoon~~ 4' Macrocore	Location:
Proj. Loc: Whitehall NY	Hammer: ~~140-lb drop~~ Auto	Start Date: 9-12-14
File No.: 49631	Fall: ~~30"~~	End Date: 9-12-14
Boring Company: Geologic Foreman: Dewayne OBG Geologist: Jason Newton		Screen / Riser / Grout / Sand Pack / Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing MVA (Hg)
0	1	4		4/3		0-0.1 Course Angular GRAVEL 0.1-0.6 Moderate brown (5YR 4/4) damp, loose, FM SAND 0.6-1.2 Moderate yellowish brown (10YR 5/4), damp, dense FMC SAND and FM GRAVEL sub rounded, well graded. 1.2-1.3 Olive black (5Y 2/1) damp, loose, FMC SAND trace subrnded gravel, well graded 1.3-3.8 Grayish brown (5YR 5/2) damp, stiff SILT, little clay, little FMC Subangular gravel	SFG		0.0 0.0 0.0 0.0	
4	2	8		4/0.2		0-0.2 SAA			0.0	
~~8~~	~~3~~	~~12~~		~~4/~~						
4	3	8		4/2.2		Repeat 4-8 (moved on 1.5') 0-1.3 SAA 1.3-2.2 Moderate brown (5YR 4/4) damp, stiff SILT and CLAY (Sample SB-31-7-8-091214)	Silt + Clay		0.0 0.0	
8	4	12		4/3.1		0-1.3 SAA saturated 1.3-3.1 Moderate brown (5YR 4/4) saturated, stiff, SILT and FMC SAND. trace clay	Silt + SAND		0.0 0.0	
12	5	16		4/1.2		~~Mod~~ 0-1.2 Moderate brown (5YR 4/4) wet, dense, FMC Subangular to Subrounded, well graded GRAVEL some FINE sand, some silt, trace clay	SFG		0.0	
16	6	20		4/1.4		0-1.0 Moderate yellowish brown (10YR 5/4) wet, hard, FMC Subangular GRAVEL and SILT, ~~FM~~ some FINE sand, little clay. well graded			0.0	

O'BRIEN & GERE ENGINEERS, INC.	SOIL BORING LOG	REPORT OF BORING SB-31
Client: NYDEC	Sampler: ~~2" Split Spoon~~ 4" Macro	Location:
Proj. Loc: Whitesboro, NY	Hammer: ~~140-lb drop~~ Auto	Start Date: 9-12-14
File No.: 49631	Fall: ~~30"~~	End Date: 9-12-14
Boring Company: Geologic		Screen / Riser; Grout / Sand Pack / Bentonite
Foreman: David Lyons		
OBG Geologist: Jason Newton		

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing MVA (Hg)
~~20~~		~~24~~				1.0-1.4 Grayish black (N2) Wet, hard, Subrounded to Subangular well graded FINE GRAVEL, some SAND Silt and Fine sand, trace clay	SAND		0.0	0
20		21.5		1.5/0.8		0-0.8 SAA (Sample SB-31-21-21.5-091214)	Possible Fill		0.0	
						Refusal @ 21.5' bgs				

O'BRIEN & GERE ENGINEERS, INC.	SOIL BORING LOG	REPORT OF BORING SB-32
Client: NYSDEC	Sampler: ~~2" Split Spoon~~ 4' Macrocore	Location:
Proj. Loc: Whitesboro, NY	Hammer: ~~140-lb drop~~ Auto	Start Date: 9-12-14
File No.: 44631	Fall: ~~30"~~	End Date: 9-12-14
Boring Company: Geologic Foreman: David Hynes OBG Geologist: Jason Newton		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing MVA (Hg)
0	1	4		4/2.6		0-0.2 Gravel lot 0.2-1.4 moderate brown (5YR 4/4) damp, Medm dense FM SAND.			0.0	
						1.4-2.6 Grayish brown (5YR 3/2) damp, hard, SILT and FM Submded gravel, trace clay, little FM Sand	SiLt * G			
4	2	8		4/1.6		0-1.6 SAA little large Submded to subrnd Gravel	SAG		0.0	
8	3	12		4/1.0		0-1.0 Mottled brown (5YR 4/3) wet, dense, FMC subangular well graded SAND and GRAVEL			0.0	
12	4	16		4/0.5		SAA (Sample SB-32-15.5-16-091214)			0.0 0.0	
16	5	19.8		4/2		0-2.0 Medm dark gray (N4) damp, extremely hard, SILT and FMC Submded to angular GRAVEL, little FM sand, trace clay (TILL)	TILL?		0.0	
						Refusal @ 19.8' bgs				

O'BRIEN & GERE ENGINEERS, INC.	SOIL BORING LOG	REPORT OF BORING SB-33
Client: NYSDEC	Sampler: ~~2" Split Spoon~~ 4' Macrocore	Location:
Proj. Loc: Whitesboro, NY	Hammer: ~~140-lb drop~~ Auto	Start Date: 9-12-14
File No.: 44631	Fall: ~~30"~~	End Date: 9-12-14
Boring Company: Geologic Foreman: David Hynds OBG Geologist: Jason Nerdon		Screen = \ Grout Riser Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	Field Testing MVA (Hg)
0	1	4		~~4~~		Same as SB-32			0.0	
4	2	8		4/1.8		0-1.8' Grayish brown (5YR 3/2) damp, hard SILT and FM Submitted GRAVEL, ~~trace~~ Sand FM Sand, trace clay end bore 8' (Sample SB-33-7-8-091214)			0.0	

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SOIL BORING LOG

BORING ID: SB-34
INSPECTOR: Kaleo Almeida

PROJECT:	Whitesboro Dry Cleaners	SITE NAME:	Whitesboro Dry Cleaners	DATE STARTED:	7/21/21
CLIENT:		SITE LOC.:	Whitesboro, NY	DATE COMPLETED:	7/21/21
JOB #:	1940100088	SAMPLE ID.:	SEE NOTES	SAMPLE TIME:	SEE NOTES

DRILL CONT:	Parratt Wolff	DRILLING METHOD:	DIRECT PUSH	NORTHING:	
FOREMAN:	DEVIN CAWARECKI	SAMPLER TYPE:		EASTING:	
RIG TYPE:	PW 900 - PW	SAMPLER DIAM:		ELEVATION:	
PURPOSE:		FINAL STATIC WL:		DATUM:	

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing: PID (ft)	Field Testing: PID (ppm)
				R1A(0-3.75") - concrete			0
		2	16/24	R1B (3.75-16") - Loose, brown, fine SAND (dry)			33.4 42.5
				R2(0-12") - Loose, brown, fine SAND (dry)			0.5
		4	12/24				0.7
				R3 - No recovery			
		6	0/24				
				R4(0-15") - Loose, brown, fine SAND, some silt, trace gravel (dry)			0.8
		8	15/24				0.8
				R5A(0-10") - Loose, brown, fine SAND, some silt (dry)			0.7
		10	24/24	R5B(10-24") - Medium dense, brown, SILT, some clay (moist)			0.7
				R6 - No recovery			
		12	0/24				
				End of Boring = 12'			

NOTES: 13:35 - Collect SB-34_1-2_072121
- Collect Field Duplicate (X-1_072121)
14:20 - Collect SB-34_9-10_072121
• Soil boring collapsed, stop at 12 ft bgs.

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SOIL BORING LOG

BORING ID: SB-39
INSPECTOR: Kaleo Almeida

PROJECT: Whitesboro Dry Cleaners
CLIENT:
JOB #: 1940100088
SITE NAME: Whitesboro Dry Cleaners
SITE LOC.: Whitesboro, NY
SAMPLE ID.:
DATE STARTED: 7/22/21
DATE COMPLETED: 7/22/21
SAMPLE TIME:

DRILL CONT: Parratt Wolff
FOREMAN: DEVIN CARAWECKI
RIG TYPE: 6620DT
PURPOSE:
DRILLING METHOD: DIRECT PUSH
SAMPLER TYPE: MACROCORE
SAMPLER DIAM: 4"
FINAL STATIC WL:
NORTHING:
EASTING:
ELEVATION:
DATUM:

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing PID (ft)	Field Testing PID (ppm)
				R1A (0-4") - Asphalt			0.9
				R1B (4-28") - Loose, brown, fine SAND, trace gravel (dry)			1.3
				R1C (28-40") - Loose, black, CLAY, some silt, trace fine			1.8
		4	40/48	sand (moist)			7.8
				R2 (0-42") Loose, brown, SILT, some clay, some			6.3
				fine Sand, trace gravel (moist)			10.8
		8	42/48				7.1
				R3 (0-36") Dense, brown, CLAY, some silt,			6.3
				trace gravel (wet)			18.5
		12	36/48				
				R4: (0-12") Dense, brown, CLAY (wet)			0.6
							1.3
		16	12/48				
				End of boring = 15'			

NOTES: - Refusal at 15 ft bgs
collected SB-39_TT_072221

SOIL BORING LOG

BORING ID: SB-40
INSPECTOR: Kaleo Almeida

PROJECT: Whitesboro Dry Cleaners
CLIENT:
JOB #: 1940100088
SITE NAME: Whitesboro Dry Cleaners
SITE LOC.: Whitesboro, NY
SAMPLE ID.:
DATE STARTED: 7/22/21
DATE COMPLETED: 7/22/21
SAMPLE TIME:

DRILL CONT: Parratt Wolff
FOREMAN: DEVIN CARAWECKI
RIG TYPE: 6620 DT
PURPOSE:
DRILLING METHOD: DIRECT PUSH
SAMPLER TYPE: MACROCORE
SAMPLER DIAM: 2"
FINAL STATIC WL:
NORTHING:
EASTING:
ELEVATION:
DATUM:

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing PID (ft)	Field Testing PID (ppm)
				R1A (0-4") - Asphalt			0.1
				R1B (4-30") - Loose, brown, fine SAND, Trace gravel (dry)			0.3
		4	36/48	R1C (30-36") - Loose, black, CLAY, Trace silt, Trace gravel (dry)			0.3
				R2A (0-3") - Loose, black, CLAY, Trace silt, Trace gravel (dry)			0.5
							0.5
		8	36/48	R2B (3-36") - medium dense, brown, SILT, some gravel, trace fine sand (moist)			0.7
				R3 (0-30") - medium dense, brown, fine SAND, some gravel, Trace silt (Wet)			0.4
							0.6
		12	30/48				
				R4 (0-42") - dense, brown, CLAY, some gravel, trace silt (Wet)			2.2
							0.9
		16					1.4
				End of Boring = 15.5'			

NOTES:
- Refusal at 15.5 ft bgs
- Collected SB-40_TT_072221

SOIL BORING LOG

BORING ID: SB-41
INSPECTOR: Kaleo Almeida

PROJECT:	Whitesboro Dry Cleaners	SITE NAME:	Whitesboro Dry Cleaners	DATE STARTED:	7/22/21
CLIENT:		SITE LOC.:	Whitesboro, NY	DATE COMPLETED:	7/22/21
JOB #:	1940100088	SAMPLE ID.:		SAMPLE TIME:	

DRILL CONT:	Parratt Wolff	DRILLING METHOD:	DIRECT PUSH	NORTHING:	
FOREMAN:	DEVIN CARAWECKI	SAMPLER TYPE:	MACROCORE	EASTING:	
RIG TYPE:	6620 DT	SAMPLER DIAM:	4"	ELEVATION:	
PURPOSE:		FINAL STATIC WL:		DATUM:	

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing PID (ft)	Field Testing PID (ppm)
				R1A (0-15") - Loose, brown, fine SAND, some gravel (dry)			0.2
							0.9
		4	42/48	R1B (15-42") - Loose, brown, SILT, some fine sand, trace gravel (dry)			0.4
				R2A (0-34") - Loose, brown, SILT, some fine sand, some gravel (dry)			0.0
							0.7
		8	40/48	R2B (34-40") - medium dense, brown, CLAY, trace gravel (moist)			0.8
				R3 (0-42") - medium dense, brown, CLAY, some silt, trace gravel (moist)			2.1
							1.6
		12	42/48				1.7
				R4 (0-24") - medium dense, brown, coarse SAND, some gravel, trace silt (wet)			0.9
							1.3
		16	24/48				
				End of Boring = 16'			

NOTES: • Collected SB-41_TT_072221

APPENDIX F
WELL DEVELOPMENT LOGS

WELL DEVELOPMENT LOG

Well ID: (B-19NWMW-3) MW-3

Date	4/29/13	Field Personnel	JMN	Weather	Overcast 50's
Site Name	Whitehall Dry Cleaners	Contractor	OBG	Project No.	44631
Site Location	Whitehall, NY	Evacuation Method	Bailer		

Well information:

* 0.163 x LWC

Depth to Bottom (Initial) *	11.96	ft.	Date(s) Installed	0.104		Date(s) Developed	4/29/13 - 4/30/13
Depth to Bottom (Final)*	12.02	ft.	Driller	—		Development Time	Start: 1100
Depth to Water (Initial)*	8.49	ft.	Well Diameter	1	in.		Stop: 1118
Depth to Water (Final)*	Dry	ft.	Casing Volume	0.14	gal.		Total: 18 min
LWC = 3.97							
* Measuring point	TOC		Pump setting* (intake)	—			

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	—	—	—	>1000	—	—	grey/Product/water
1	0.14	—	—	—	11	—	—	W
2	0.25	—	—	—	11	—	Dry	W
4/30/13 0940 3	0.39	—	—	—	11	—	Dry	W
4/30/13 1440 4	0.53	—	—	—	11	—	Dry	Cloudy - No product
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 0.5 gal

Physical appearance at start		Physical appearance at end	
Color	Grey	Color	Cloudy
Odor	Petroleum like	Odor	Yes Petroleum like
Sheen/Free Product	Yes	Sheen/Free Product	Sheen / No product

NOTES: -No clear layer of product. The product appears to be mixed with the well water.

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW-1 (B-9 NMW-1)

Date 5/1/13 | Field Personnel JMN | Weather Sunny 60's

Site Name Whitesboro Dry Cleaners | Contractor CBG | Project No. 49631

Site Location Whitesboro, NY | Evacuation Method Bailer

Well information:

* ~~0.163~~ 0.04 x LWC

Depth to Bottom (Initial) *	11.16	ft.	Date(s) Installed	—	Date(s) Developed	5/1/13	
Depth to Bottom (Final)*	11.43	ft.	Driller	—	Development Time	Start: 1025	
Depth to Water (Initial)*	7.60	ft.	Well Diameter	1	in.	Stop: 1104	
Depth to Water (Final)*	7.87	ft.	Casing Volume	0.14	gal.	Total: 43m	
LWC = 3.56							
* Measuring point	TOC		Pump setting* (intake)	—			

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	12.32	7.81	1.61	>1000	—	7.96	Dark grey
1	0.14	—	—	—	—	—	—	—
2	0.28	—	—	—	—	—	7.96	—
3	0.42	—	—	—	—	—	~~7.96~~	—
4	0.56	13.23	7.92	1.57	>1000	0.1	7.89	Dark grey
5	0.70							
6	0.84	13.15	8.02	1.49	>1000	0.1	8.15	Dark brown
7	0.98							
8	1.12	13.59	7.97	1.49	>1000	0.1	7.86	"
9	1.26							
10	1.40	12.86	7.94	1.48	>1000	0.1	7.87	"

Development Water Characteristics:

Total volume of Development water removed: 1.5gal

Physical appearance at start

Color Dark grey

Odor None

Sheen/Free Product None

Physical appearance at end

Color Dark brown

Odor none

Sheen/Free Product None

NOTES:

Geologist Signature:

10.86
28
11.14

11.15
28
11.43

Monitoring Well Development Form

WELL DEVELOPMENT LOG

Well ID: MW-9

Date	5/1/13	Field Personnel	JMN	Weather	Sunny 60's
Site Name	Whitehoro Dry Cleaners	Contractor	OBG	Project No.	49631
Site Location	Whitehoro, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	14.50 ft.	Date(s) Installed	—	Date(s) Developed	5/1/13
Depth to Bottom (Final)*	14.71 ft.	Driller	—	Development Time	Start: 0855
Depth to Water (Initial)*	9.13 ft.	Well Diameter	2 in.		Stop: 1000
Depth to Water (Final)*	11.98 ft.	Casing Volume	0.83 gal.		Total: 65mn
LWL = 5.09					
* Measuring point	TOC	Pump setting* (intake)	—		

* 0.163 x LWL

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	11.51	6.16	3.15	187	—	9.26	Cloudy Gray
1	0.9	10.34	6.60	2.82	>1000	0.25	9.87	dark grayish brown
2	1.8	10.05	7.04	2.39	"	"	9.97	"
3	2.7	9.77	7.18	2.31	"	"	10.06	"
4	3.6	9.90	7.34	2.28	"	"	10.40	"
5	4.5	9.91	7.41	2.30	"	"	10.27	"
6	5.4	10.57	7.66	2.26	"	900 ml/min	9.85	"
7	6.3	10.03	7.65	2.18	"	"	10.27	"
8	7.2	9.96	7.64	2.15	"	"	10.51	"
9	8.1	10.20	7.63	2.21	"	"	10.61	"
10	9.0	10.07	7.68	2.01	"	"	11.98	"

Development Water Characteristics:

Total volume of Development water removed: 9gal

Physical appearance at start
- Color: Cloudy Grey
- Odor: None
- Sheen/Free Product: ~~None~~ Slight Sheen

Physical appearance at end
- Color: Cloudy grey
- Odor: ~~Mild~~ Petroleum like
- Sheen/Free Product: None

NOTES:
- After well volume 5 change to peristaltic pump.
- Well still has a soft bottom after development.

Geologist Signature:

14.43
2.6
71

Monitoring Well Development Form

WELL DEVELOPMENT LOG

Well ID: MW-14

Date	4/26/13	Field Personnel	JMN	Weather	40s Overcast
Site Name	Whitesboro Dry Cleaners	Contractor	OBG	Project No.	44631
Site Location	Whitesboro, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	~~14.23~~	ft.	Date(s) Installed	—	Date(s) Developed	4/26/13
Depth to Bottom (Final)*	14.23	ft.	Driller	—	Development Time	Start: 0912
Depth to Water (Initial)*	7.02	ft.	Well Diameter	2 in.		Stop: 1007
Depth to Water (Final)*	10.40	ft.	Casing Volume	1.15 gal.		Total: 55min
LWL = 7.21						
* Measuring point	TOC		Pump setting* (intake)	—		

* 0.163 x LWL

Well Volumes	Volume of Water Removed (Gallons)	± 3% Temperature °C	0.1 pH s.u	± 3% Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
0918 Start	0	8.62	5.95	0.371	90	—	7.16	Cloudy gray
0922 1	1.2	9.41	6.44	1.22	>1000	0.30	8.51	"
0928 2	2.4	9.57	6.96	1.37	>1000	0.20	8.71	"
0934 3	3.6	9.56	7.08	1.41	>1000	0.20	9.06	"
0937 4	4.8	9.38	7.15	1.36	>1000	0.40	9.01	"
0946 5	6.0	9.43	7.24	1.54	>1000	0.13	8.30	" brown
0951 6	7.2	9.41	7.32	1.36	>1000	0.24	8.89	"
0955 7	8.4	9.32	7.37	1.34	>1000	0.30	9.35	"
0958 8	9.6	9.40	7.37	1.39	>1000	0.40	10.03	"
1004 9	10.8	9.34	7.43	1.34	>1000	0.20	9.95	"
1007 10	12.0	9.33	7.48	1.30	>1000	0.40	10.40	"

Development Water Characteristics:

Total volume of Development water removed: 12 gal

Physical appearance at start

Color: Cloudy to clear grey

Odor: none

Sheen/Free Product: none

Physical appearance at end

Color: Very brown

Odor: none

Sheen/Free Product: none

NOTES:

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW-15

Date: 4/30/13 | Field Personnel: JMN | Weather: Overcast 60s

Site Name: Whitesboro Dry Cleaners | Contractor: OBG | Project No. 49631

Site Location: Whitesboro, NY | Evacuation Method: Bailer

Well information:

Depth to Bottom (Initial) * 14.26 ft. | Date(s) Installed —

Depth to Bottom (Final)* 14.84 ft. | Driller —

Depth to Water (Initial)* 8.95 ft. | Well Diameter 2 in.

Depth to Water (Final)* 12.46 ft. | Casing Volume 0.87 gal.

LWL = 5.31

* Measuring point TOC

Pump setting* (intake) —

0.163 x LWC

Date(s) Developed 4/30, 5/1

Development Time Start: 1500

Stop: 1248

Total: —

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	12.78	7.89	0.901	100	—	9.20	Clear
1	0.9	11.56	7.50	0.943	1000	0.25	11.02	Cloudy brown
2	1.8	11.10	7.44	0.908	"	0.25	12.05	"
3	2.7	11.23	7.60	0.906	"	0.10	13.48	"
4 ~~1146~~	3.6	11.46	7.82	0.791	"	0.10	14.07	"
5 1146	4.5	12.67	7.64	0.855	"	0.25	10.58	"
6	5.4	11.34	7.49	0.895	"	0.25	12.18	"
7	6.3	11.43	7.54	0.870	"	0.25	12.80	"
8	7.2	11.60	7.72	0.837	"	0.1	Dry	"
9	8.1	12.59	8.11	0.810	"	0.25	10.91	"
10	9.0	12.06	7.86	0.800	"	0.25	12.86	"

Development Water Characteristics:

Total volume of Development water removed: 9 gal

Physical appearance at start

Color: Clear

Odor: NM

Sheen/Free Product: Sheen (slight)

Physical appearance at end

Color: Brown

Odor: NM

Sheen/Free Product: NM

NOTES: Dry after 4 null Volms

Dry after 4 more multi volms

Geologist Signature:

14.46 - 2.66 = 12.46

Monitoring Well Development Form

WELL DEVELOPMENT LOG

Well ID: MW-16D

Date	4/29/13	Field Personnel	JMN	Weather	Overcast 50's
Site Name	Whitehall Dry Cleaners	Contractor	OBG	Project No.	49631
Site Location	Whitehall, NY	Evacuation Method	Bailer/Peristaltic pump		

Well information:

* 0.163 x LWC

Depth to Bottom (Initial) *	24.58	ft.	Date(s) Installed	4/22/13	Date(s) Developed	4/24/13 – 4/30
Depth to Bottom (Final)*	27.62	ft.	Driller	Geologic	Development Time	Start: 1222 4/29
Depth to Water (Initial)*	5.98	ft.	Well Diameter	2 in.		Stop: 1056 4/30
Depth to Water (Final)*	23.09	ft.	Casing Volume	3 gal.		Total: —
LWC = 18.6						
* Measuring point	TOC		Pump setting* (intake)	—		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	11.67	12.61	1.30	130	—	7.45	Clear
1233 1	3	12.43	12.32	0.808	>1000	0.27	21.02	Brown
2	6	13.08	10.50	0.758	>1000	0.27	23.45	"
3	9	13.13	9.81	0.934	"	—	26.9	"
4	12	13.20	9.15	1.03	40	900 ml/m	Dry	Cloudy/Clear
4/30/13 0931 5	15	13.43	6.33	1.06	390	"	15.57	"
6	18	13.31	7.18	1.06	>1000	"	19.65	"
7	21	13.58	7.57	1.05	130	"	23.04	"
8	24	13.93	7.91	1.05	120	"	23.25	"
9	27	13.95	7.94	1.16	19.0	"	23.11	Clear
10	30	14.64	8.14	1.05	36.0	"	23.09	Clear

Development Water Characteristics:

Total volume of Development water removed: 30 gal

Physical appearance at start		Physical appearance at end	
Color	Clear	Color	Clear
Odor	NM	Odor	NM
Sheen/Free Product	NM	Sheen/Free Product	NM

NOTES:
- Change to peristaltic pump @ 3 well volumes.
- 4/30/13 @ 0915 well recorded to 6.05' bgs TOC

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW-16S

Date	4/26/13	Field Personnel	JMN	Weather	~~MW~~ Pt Cloudy 50s
Site Name	Whitesboro Dry Cleaners	Contractor	OBG	Project No.	49631
Site Location	Whitesboro, NY	Evacuation Method	Bailer/peristaltic pump		

Well information:

Depth to Bottom (Initial) *	11.68	ft.	Date(s) Installed	4/16/13	Date(s) Developed	4/26/13
Depth to Bottom (Final)*	14.07	ft.	Driller	Geologic	Development Time	Start: 1346
Depth to Water (Initial)*	5.84	ft.	Well Diameter	2 in.		Stop: 1438
Depth to Water (Final)*	5.97	ft.	Casing Volume	0.95 gal.		Total: 50 min
* Measuring point	TOC		Pump setting* (intake)	—		

0.163 x LWC 4/15/13

LWC = 5.84

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	10.06	8.33	1.40	>1000	—	6.09	Brown
1351 1	1	9.26	8.22	1.16	"	0.33	6.21	"
1354 2	2	9.11	8.19	1.18	"	0.33	6.27	"
1357 3	3	9.06	8.23	1.20	"	0.33	6.23	"
1400 4	4	8.98	8.23	1.16	"	0.33	6.14	"
1403 5	5	8.94	8.25	1.13	"	0.33	6.13	"
1419 6	6	—	—	—	Mud	0.25	5.99	Mud
1423 7	7	9.33	8.16	1.08	>1000	0.25	5.99	"
8	8	9.20	8.35	1.02	"	0.25	5.97	Brown
9	9	9.16	8.34	1.00	"	0.25	5.97	"
10	10	9.22	8.33	0.965	"	0.25	5.97	"
11	11	9.15	8.35	0.947	260	0.25	5.97	Cloudy

Development Water Characteristics:

Total volume of Development water removed: 11 gal

Physical appearance at start		Physical appearance at end	
Color	Brown	Color	Clear/Cloudy
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: Change to Peristaltic pump at 6 well volumes

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW-17

Date	4/25/13	Field Personnel	JMN	Weather	40's Overcast
Site Name	Watertown Dyeworks	Contractor	OBG	Project No.	49631
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information: * 0.163 x LWC

Depth to Bottom (Initial) *	14.63	ft.	Date(s) Installed	4/11/13	Date(s) Developed	4/25/13	
Depth to Bottom (Final)*	14.65	ft.	Driller	Geologic	Development Time	Start: 0909	
Depth to Water (Initial)*	7.17	ft.	Well Diameter	2	in.	Stop: 1013	
Depth to Water (Final)*	13.82	ft.	Casing Volume	1.22	gal.	Total: 64 min	
LWC = 7.46						≈ 0.19 gpm	
* Measuring point	TOC		Pump setting* (intake)	—			

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	9.32	5.86	0.716	>1000		7.31	Brown
1	1.5	9.40	6.65	0.628	>1000		7.92	" "
2	3.0	9.49	7.36	0.480	>1000	≈ 500	8.52	" "
0940 # 4	5.0	9.43	7.88	0.475	>1000	" "	8.85	" "
0947 # 6	7.0	9.59	7.93	0.459	>1000	≈ 500	9.42	" "
0954 # 7	8.5	9.43	8.18	0.458	>1000	0.13 gpm	10.55	" "
1004 # 9	10.0	9.63	8.22	0.425	>1000	0.25 gpm	11.91	" "
1013 # 10	12.0	9.65	8.35	0.462	>1000	0.25 gpm	13.82	" "

Development Water Characteristics:

Total volume of Development water removed: 12 gal

Physical appearance at start		Physical appearance at end	
Color	Brown	Color	Brown
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: 12.61' @ 1015 Recovery
10.62' @ 1034 = 0.02 gpm = 75.7 ml/min

Geologist Signature:

0953 - 9.52 ft - 10.30 @ 0955 1 gal

WELL DEVELOPMENT LOG

Well ID: MW-16D

Date	4/29/13	Field Personnel	JMN	Weather	Overcast 60s
Site Name	Whitehall Dry Cleaners	Contractor	QBG	Project No.	49631
Site Location	Whitehall, NY	Evacuation Method	Bailer/Peri pump		

Well information: # 0.163 x LWC

Depth to Bottom (Initial) *	22.22	ft.	Date(s) Installed	4/22/13	Date(s) Developed	4/29/13 - 4/30
Depth to Bottom (Final)*	24.00	ft.	Driller	Geologic	Development Time	Start: 1430
Depth to Water (Initial)*	7.71	ft.	Well Diameter	2 in.		Stop: 1257
Depth to Water (Final)*	8.15	ft.	Casing Volume	2.37 gal.		Total: —
LWL = 14.51						
* Measuring point	TOC		Pump setting* (intake)	—		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	12.94	9.13	0.767	100	—	9.02	Clear
1	~~2.4~~	—	—	—	71000	—	Dry	Brown
4/30 2 1139	4.8	15.21	8.32	1.00	71000	0.25	9.15	"
3	7.2	14.88	8.11	1.08	"	"	8.40	"
4	9.6	14.72	8.09	1.08	"	"	8.41	"
5	12.0	14.76	8.10	1.10	"	"	8.55	"
6	14.4	14.72	8.12	1.10	"	"	8.60	"
7	16.8 ~~15.09~~	15.09	8.16	1.11	"	900 ml/m	8.21	Cloudy/brown
8	~~19~~ 19.2	15.20	7.90	1.12	"	"	8.18	"
9	21.6	14.81	7.87	1.12	~~800~~	"	8.18	"
10	24.0	15.10	7.88	1.25	550	"	8.15	Cloudy

Development Water Characteristics:

Total volume of Development water removed: 24.0 gal

Physical appearance at start		Physical appearance at end	
Color	Clear	Color	Cloudy
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: Well dry after one well volume (1448)
-4/30 - 4/31 dTW 7.75' ~~TOC~~ ~~TOC~~ bTOC
Change to peristaltic pump after 6th well volume

Geologist Signature: JS

23732 A35 00

Monitoring Well Development Form

WELL DEVELOPMENT LOG

Well ID: MW-18S

Date: 4/29/13 | Field Personnel: JMN | Weather: Overcast 60s

Site Name: Whitesboro Dry Cleaners | Contractor: OBG | Project No. 49631

Site Location: Whitesboro, NY | Evacuation Method: Bailer

Well information: * 0.163 x LWC

Depth to Bottom (Initial) *	13.15	ft.	Date(s) Installed	4/17 4/18/13	Date(s) Developed	4/29/13, 4/30, 5/1
Depth to Bottom (Final)*	15.22	ft.	Driller	Geologic	Development Time	Start: 1400
Depth to Water (Initial)*	7.57	ft.	Well Diameter	2 in.		Stop: 1230
Depth to Water (Final)*	Dry	ft.	Casing Volume	0.91 gal.		Total: —
LWC = 5.58						
* Measuring point	TOC		Pump setting* (intake)	—		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	12.83	9.19	0.414	>1000	—	8.56	Cloudy/brown
1	1	12.65	9.01	0.338	〃	0.20	10.84	brown
2	2	12.91	8.91	0.343	〃	〃	12.96	〃
3	3	13.56	8.48	0.427	〃	0.25	12.77	〃
4	4	—	—	—	〃	〃	Dry	〃
5	5	15.91	8.32	0.452	〃	〃	10.22	〃
6	6	14.25	8.52	0.473	〃	〃	13.65	〃
7	7							
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 6 gal

Physical appearance at start
- Color: Cloudy/brown
- Odor: None
- Sheen/Free Product: None

Physical appearance at end
- Color: Brown
- Odor: None
- Sheen/Free Product: None

NOTES:

Dry after 2 well Volms and 2.75 gal (1416)
DTW 7.62' bTOC 4/30 @ (1417)
1428 - Dry after 2 well volumes.
DTW 7.65' bTOC 5/1 @ 1212
1229 - Dry after 2 well Volms

Geologist Signature:

14.94
.25
15.22

Monitoring Well Development Form

WELL DEVELOPMENT LOG

Well ID: MW-14

Date	4/29/13	Field Personnel	JMN	Weather	Overcast 60's
Site Name	Whitesboro Dry Cleaners	Contractor	OBG	Project No.	41631
Site Location	Whitesboro, NY	Evacuation Method	Bailer		

Well information: * 0.163 x LWC

Depth to Bottom (Initial) *	13.84 ft.	Date(s) Installed	4/11-4/18/13	Date(s) Developed	4/29/13 - 4/30
Depth to Bottom (Final)*	13.84 ft.	Driller	Cascade	Development Time	Start: 1511
Depth to Water (Initial)*	7.66 ft.	Well Diameter	2 in.		Stop: 1404
Depth to Water (Final)*	Dry ft.	Casing Volume	1.0 gal.		Total: —
LWL = 6.18					
* Measuring point	TOC	Pump setting* (intake)	—		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	11.76	8.69	0.810	45	—	7.94	Clear
1516 1	1	11.35	8.59	0.802	>1000	0.20	9.08	Cloudy
2	2	11.30	8.61	0.780	"	0.25	10.56	"
3	3	11.35	8.64	0.776	"	0.25	11.80	"
4	4	11.41	8.66	0.743	"	0.20	12.84	"
5	5	—	—	—	"	0.10	Dry	"
6	6	13.59	8.35	0.897	90	900 ml/m	8.71	Cloudy
7	7	13.13	8.20	0.891	150	"	10.91	Clear
8	8	12.64	8.21	0.874	390	"	12.61	"
9	9	13.59	8.26	0.835	170	"	12.86	"
10	10	12.84	8.36	0.897	260	400 ml/m	Dry	"

Development Water Characteristics:

Total volume of Development water removed: 10 gal

Physical appearance at start		Physical appearance at end	
Color	Clear	Color	Clear
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: Well dry after 6 well volume (1538)
4/30 @ (823) DTW = 7.66 btoc
1345 - Dry after 3 well volume
1404 - Dry after 2 well volume

Geologist Signature:

13.84 - 7.66 = 6.18

WELL DEVELOPMENT LOG

Well ID: MW-20

Date	4/26/13	Field Personnel	JMN	Weather	40's Overcast
Site Name	Whitesboro Dry Cleaners	Contractor	OBG	Project No.	44631
Site Location	Whitesboro, NY	Evacuation Method	Bailer		

Well information: * 0.163 x LWC

Depth to Bottom (Initial) *	14.56	ft.	Date(s) Installed	4/18/13	Date(s) Developed	4/26/13 - 4/29/13	
Depth to Bottom (Final)*	14.57	ft.	Driller	Cascade	Development Time	Start: 1241	
Depth to Water (Initial)*	6.91	ft.	Well Diameter	2	in.	Stop: 1312	
Depth to Water (Final)*	10.68	ft.	Casing Volume	1.25	gal.	Total: —	
LWC = 7.65							
* Measuring point	TOC		Pump setting* (intake)	—			

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	10.35	8.03	0.702	60.0	—	7.05	Clear
1246 1	1.25	10.13	8.05	0.757	>1000	0.25	8.08	Cloudy
1251 2	2.50	10.16	8.10	0.736	"	0.25	9.61	"
1254 3	3.75	10.25	8.21	0.703	"	0.42	10.92	"
1256 4	5.0	10.42	8.30	0.694	"	0.21	12.83	"
1312 5	6.25	10.70	8.23	0.706	"	0.25a	13.65	"
1144 6	7.5	11.80	6.63	0.772	120	900 mL/min	~~8.84~~ 9.05	Clear
7	8.75	11.24	7.05	0.762	220	"	11.16	Clear
8	10.00	11.44	7.38	0.741	200	"	13.69	Clear
9	11.25	11.11	8.59	0.776	100	"	9.75	"
10	12.50	10.76	8.57	0.746	130	"	10.68	"

Development Water Characteristics:

Total volume of Development water removed: 12.5 gal

Physical appearance at start		Physical appearance at end	
Color	Clear	Color	Clear
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

27 a 5 55

NOTES: At well volume 5 Δ to Peristaltic pump
Max rate of 350 mL/min
1315 - dry at 6.75 gal
4/29/13 - well recvr to 8.84 ~~bgs~~ btoc
1457 - dry at 10.25 gal

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW-21

Date	4/25/13	Field Personnel	JMN	Weather	50s Sunny
Site Name	Whitesboro Dry Cleaners	Contractor	OBG	Project No.	49631
Site Location	Whitesboro NY	Evacuation Method	Bailer / Peristaltic Pump		

Well information:

* 0.163 x LWC

Depth to Bottom (Initial) *	13.60 ft.	Date(s) Installed	4/18/13	Date(s) Developed	4/25/13
Depth to Bottom (Final)*	13.60 ft.	Driller	Geologic	Development Time	Start: 1310
Depth to Water (Initial)*	9.44 ft.	Well Diameter	2 in.		Stop: 1411
Depth to Water (Final)*	13.14 ft.	Casing Volume	0.68 gal.		Total: 61 mm
LWL = 4.17					
* Measuring point	TOC	Pump setting* (intake)	—		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	11.74	7.96	0.909	>1000	—	9.56	Cloudy Brown
1317 1	0.75	11.56	8.04	0.967	>1000	0.24	9.82	Brown
1323 2	1.4	11.57	8.16	1.01	>1000	0.12	10.16	"
1326 3	2.1	11.66	8.12	0.981	>1000	0.23	10.34	"
1329 4	2.8	11.75	8.11	0.952	>1000	0.23	11.81	"
1333 5	3.5	11.89	8.08	0.956	>1000	0.18	12.56	"
1337 6	4.2	11.87	8.09	0.941	>1000	0.18	12.81	"
1344 7	4.9	12.02	8.09	0.968	>1000	0.10	12.92	"
8	5.6	12.59	8.22	0.964	750	≈500 mL/min	12.34	Cloudy
9	6.3	12.60	8.27	0.966	600	≈500 mL/min	12.72	Cloudy
10	7.0	12.58	8.26	0.955	>1000	≈500 mL/min	13.14	Cloudy

Development Water Characteristics:

Total volume of Development water removed: 7 gal

Physical appearance at start		Physical appearance at end	
Color	Cloudy brown	Color	Cloudy
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: At 8 Well Volumes & to Peristaltic Pump
Well Well System ≈ 300 mL/min

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW-22

Date	4/25/13	Field Personnel	JMN	Weather	40s Pt Cloudy
Site Name	Whitehall Dry Cleaners	Contractor	QBG	Project No.	49631
Site Location	Whitehall, NY	Evacuation Method	Bailer / Peri pump		

Well information:

* 0.163 x LWC

Depth to Bottom (Initial) *	13.57 ft.	Date(s) Installed	4/18-4/19/13	Date(s) Developed	4/25/13
Depth to Bottom (Final)*	~~14.09~~ ft.	Driller	Creative	Development Time	Start: 1121
Depth to Water (Initial)*	6.40 ft.	Well Diameter	2 in.		Stop: 1235
Depth to Water (Final)*	13.50 ft.	Casing Volume	1.17 gal.		Total: 74 min
LWL = 7.17					
* Measuring point	TOC	Pump setting* (intake)			

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	8.62	7.92	0.885	>1000	—	6.90	Brown
1126 1	1.2	8.43	7.79	1.67	>1000	0.24	8.11	" "
1131 2	2.4	8.44	7.95	1.17	>1000	0.24	9.79	"
1135 3	3.6	8.73	8.05	0.893	>1000	0.30	11.40	"
1152 4	4.8	8.97	8.16	0.689	>1000	300 mL/min	11.69	"
1210 5	6.0	9.17	8.25	0.657	>1000	280 mL/min	11.53	"
6	7.2	9.32	8.24	0.594	>1000	500	12.73	Cloudy
7	8.0	9.61	8.25	0.566	>1000	500	Dry	Cloudy
1442 8	9.2	10.66	8.32	0.555	>1000	>500 mL/min	9.61	Cloudy
9	10.4	10.01	8.23	0.682	>1000	"	12.50	~~Brown~~ "
10	11.6	10.37	8.26	0.553	>1000	"	Dry	"

Development Water Characteristics:

Total volume of Development water removed: ~~8.5 gal~~ 11.6 gal

Physical appearance at start		Physical appearance at end	
Color	Brown	Color	Cloudy / Brown
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: 4th Well Volume & to Peristaltic Pump. Steady head at 280 mL/Min

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW-23

Date	4/26/13	Field Personnel	AMN	Weather	40s Overcast
Site Name	Whitesboro Dry Cleans	Contractor	OBG	Project No.	49631
Site Location	Whitesboro, NY	Evacuation Method	Bailer/Peri Pump		

Well information: * 0.163 x LWC

Depth to Bottom (Initial) *	13.78	ft.	Date(s) Installed	4/19/13		Date(s) Developed	4/26/13
Depth to Bottom (Final)*	14.98	ft.	Driller	Geologic		Development Time	Start: 1042
Depth to Water (Initial)*	6.51	ft.	Well Diameter	2	in.		Stop: 1209
Depth to Water (Final)*	7.72	ft.	Casing Volume	1.19	gal.		Total: ~~87 min~~ 87 min
LWC = 7.27							
* Measuring point	TOC		Pump setting* (intake)	—			

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	9.13	7.70	1.45	>1000	—	6.75	Brown
1047 1	1.2	8.77	7.78	1.08	"	0.24	7.65	"
1052 2	2.4	8.78	7.82	1.09	"	0.24	8.45	"
1056 3	3.6	9.03	7.87	1.18	"	0.30	8.55	"
1100 4	4.8	9.24	7.88	1.21	"	0.30	8.52	"
1137 5	6.0	9.13	7.90	1.41	"	—	7.82	"
1141 6	7.2	9.10	8.00	1.35	"	0.20	8.34	"
1146 7	8.4	9.15	8.04	1.29	"	0.24	7.88	"
1157 8	9.6	9.83	8.05	1.22	"	900 mL/min @ 0.24 gpm	7.60	"
1204 9	10.8	9.96	8.04	1.20	"	0.24	7.56	"
1209 10	12.0	10.14	8.02	1.34	"	0.24	7.72	"

Development Water Characteristics:

Total volume of Development water removed: 12 gal

Physical appearance at start		Physical appearance at end	
Color	Brown	Color	Brown/Cloudy
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: 1100 - Touch - 11:30
8th Well Volume Δ to Peristaltic Pump

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW-24

Date	12/3/13	Field Personnel	Jason Newton	Weather	30's Overcast
Site Name	Whitesboro Dry Cleaners	Contractor	OBG	Project No.	49631
Site Location	Whitesboro, NY	Evacuation Method	Bailer / Peristaltic		

Well information:

Depth to Bottom (Initial) *	12.82 ft.	Date(s) Installed	11/21/13	Date(s) Developed	12/3/13		
Depth to Bottom (Final)*	12.82 ft.	Driller	Geologic	Development Time	Start: 0856		
Depth to Water (Initial)*	7.59 ft.	Well Diameter	2 in.		Stop: 0947		
Depth to Water (Final)*	8.25 ft.	Well Volume	0.85 gal.		Total: 51 min		
Length of Water Column	5.23 ft.						
* Measuring point	TOC	Pump setting* (intake)	Bottom of well to remove fines.				

2" well = 0.163 gal/ft

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	11.01	7.70	3.43	93.5	—	7.59	Cloudy brown
1	1	12.00	7.44	3.44	>1000	0.25	8.21	Cloudy grey
2	2	12.23	7.43	3.41	>1000	0.25	8.82	" "
3	3	12.59	7.40	3.44	>1000	0.25	8.72	" "
4	4	12.90	7.41	3.41	>1000	0.25	9.04	" "
5	5	13.14	7.37	3.43	>1000	0.25	9.26	" "
6	6	13.00	7.37	3.44	>1000	0.25	8.76	" "
7	7	13.17	7.35	3.37	>1000	0.25	10.04	Cloudy brown
8	8	13.12	7.39	3.39	>1000	0.25	10.00	" "
9	9	12.09	7.59	3.45	108	500 ml/min	8.12	Clear
10	10	12.29	7.42	3.40	11.6	500 ml/min	8.25	Clear

0900
0905
0908
0911
0914
0919
0922
0926
0941

Development Water Characteristics:

Total volume of Development water removed: 10 gal

Physical appearance at start		Physical appearance at end	
Color	Cloudy brown	Color	Clear
Odor	NM	Odor	NM
Sheen/Free Product	NM	Sheen/Free Product	NM

NOTES: Change to Peristaltic pump after 8th well volume.

Geologist Signature: JS Jr

WELL DEVELOPMENT LOG

Well ID: MW-25

Date	4/3/13	Field Personnel	Jason Newton	Weather	30's overcast
Site Name	Whitesboro Dry Cleaners	Contractor	OBG	Project No.	49631
Site Location	Whitesboro, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	15.65 ft.	Date(s) Installed	11/22/13	Date(s) Developed	12/3/13		
Depth to Bottom (Final)*	15.73 ft.	Driller	Geologic	Development Time	Start: 1012		
Depth to Water (Initial)*	5.39 ft.	Well Diameter	2 in.		Stop: 1125		
Depth to Water (Final)*	7.91 ft.	Well Volume	1.67 gal.		Total: 73 min		
Length of Water Column	10.26 ft.						
* Measuring point	TOC	Pump setting* (intake)	Bottom of well to remove fines.				

2" well = 0.163 gal/ft

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
1012 Start	0	12.30	7.99	0.843	208	—	5.39	Clear
1016 1	1.7	12.57	7.49	0.863	>1000	0.40	7.57	Brown
1020 2	3.4	13.10	7.43	0.745	>1000	0.40	9.16	" "
1026 3	5.1	13.62	7.47	0.659	>1000	0.28	11.47	" "
1037 4	6.8	13.77	7.58	0.623	>1000	0.15	11.88	" "
1042 5	8.5	13.85	7.60	0.681	>1000	0.34	12.42	" "
1046 6	10.2	13.97	7.51	0.760	>1000	0.40	12.02	" "
1054 7	11.9	13.68	7.52	0.824	>1000	0.23	9.22	" "
1058 8	13.6	13.62	7.44	0.853	>1000	0.40	8.40	" "
1116 9	15.3	12.95	7.48	0.907	>1000	500 ml/min	7.57	" "
10	17.0	12.62	7.57	0.909	>1000	500 ml/min	7.91	" "

Development Water Characteristics:

Total volume of Development water removed: 17.0 gal

Physical appearance at start		Physical appearance at end	
Color	Clear	Color	Brown
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: Change to Peristaltic pump after 8 well volumes.

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW-26

Date	9-16-14	Field Personnel	JMN	Weather	50's Rain
Site Name	Whitesboro Dry Cleaners	Contractor	0136	Project No.	49631
Site Location	Whitesboro, NY	Evacuation Method	Bailer / Peristaltic Pump		

Well information: * 0.163 x LWC

Depth to Bottom (Initial) *	13.20	ft.	Date(s) Installed	9-11-14	Date(s) Developed	9-16-14	
Depth to Bottom (Final)*	13.40	ft.	Driller	Geologic	Development Time	Start:	1021
Depth to Water (Initial)*	6.20	ft.	Well Diameter	2	in.	Stop:	1130
Depth to Water (Final)*	7.89	ft.	Casing Volume	1.14	gal.	Total:	69 min

LWL = 7.0

* Measuring point: TOC

Pump setting* (intake): 9

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	17.35	6.15	0.899	>1000	—	6.65	Brown
1	1.14	17.60	6.79	0.859	>1000	0.1	7.19	Brown
2	2.28	17.39	7.03	0.766	>1000	0.2	8.11	Brown
3	3.42	16.87	7.26	0.685	>1000	0.21	9.21	Brown
4	4.56	16.53	7.43	0.664	>1000	0.2	9.34	Brown
5	5.70	16.34	7.53	0.650	>1000	0.2	9.98	Brown
6	6.84	16.19	7.60	0.635	>1000	0.2	9.98	Brown
7	7.98	16.07	7.67	0.617	>1000	0.2	9.98	Brown
8	9.12	15.94	7.78	0.608	>1000	400 ml/min	7.85	Brown
9	10.26	15.86	7.71	0.605	>1000	380 ml/min	7.88	Brown
10	11.40	15.87	7.74	0.601	>1000	380 ml/min	7.89	Clay Brown

1031
1036
1040
1047
1052
1057
1102

Development Water Characteristics:

Total volume of Development water removed: 12 gal

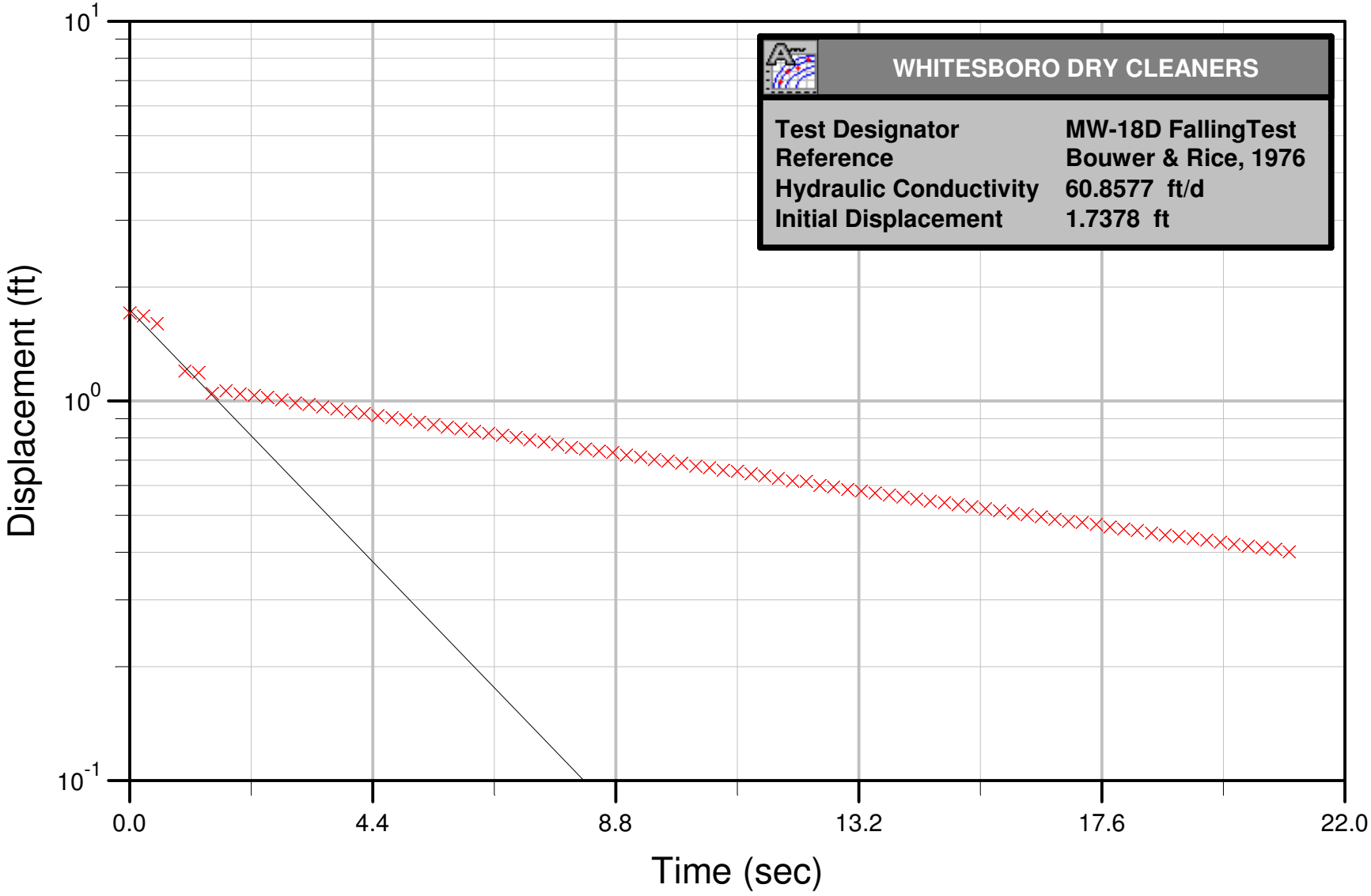
Physical appearance at start		Physical appearance at end	
Color	Brown	Color	Clay Brown
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: Switched to 400 ml/min
Change to peristaltic pump after volume 7.

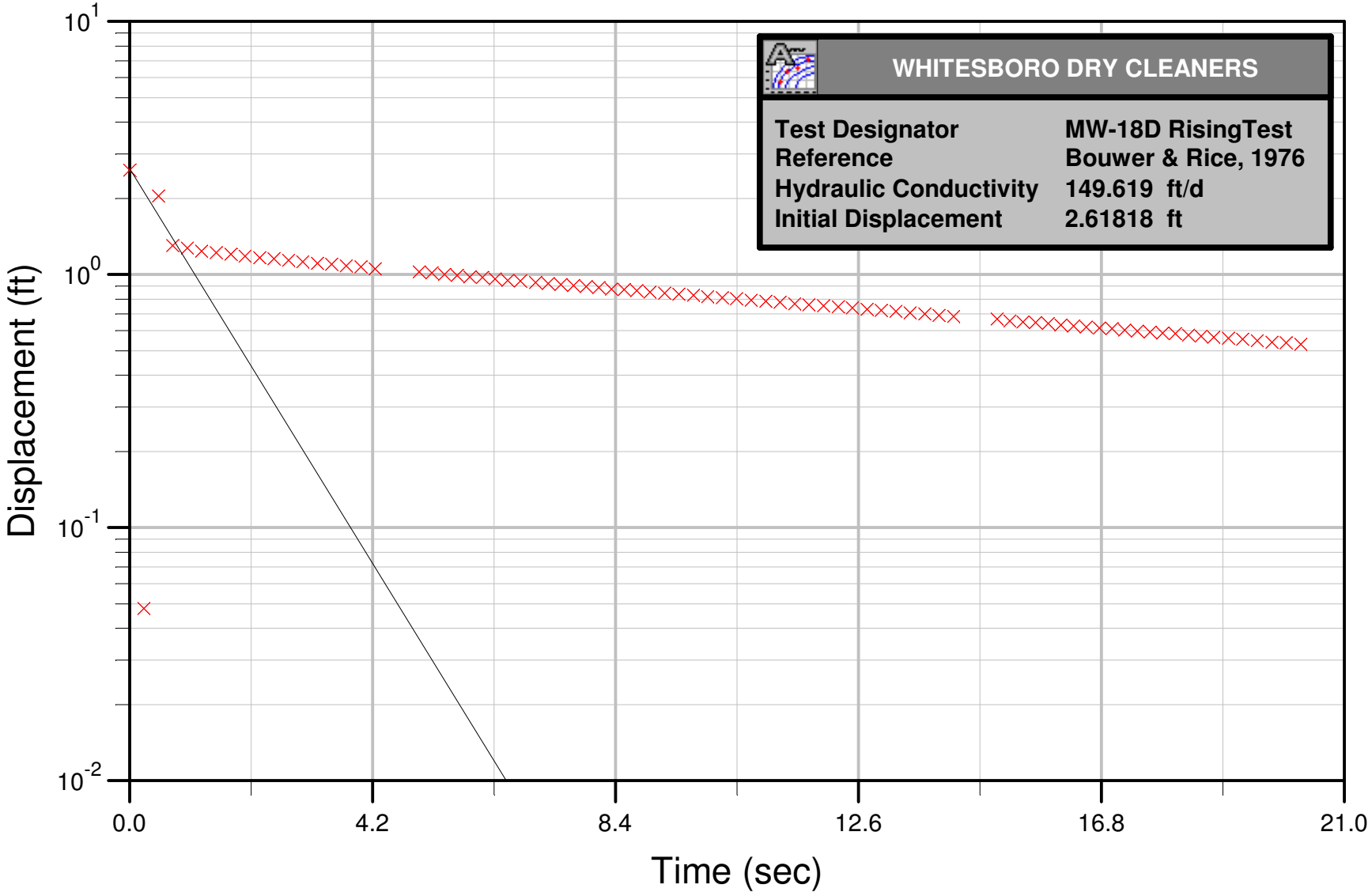
Geologist Signature:

APPENDIX G
HYDRAULIC CONDUCTIVITY BOUWER & RICE PLOTS

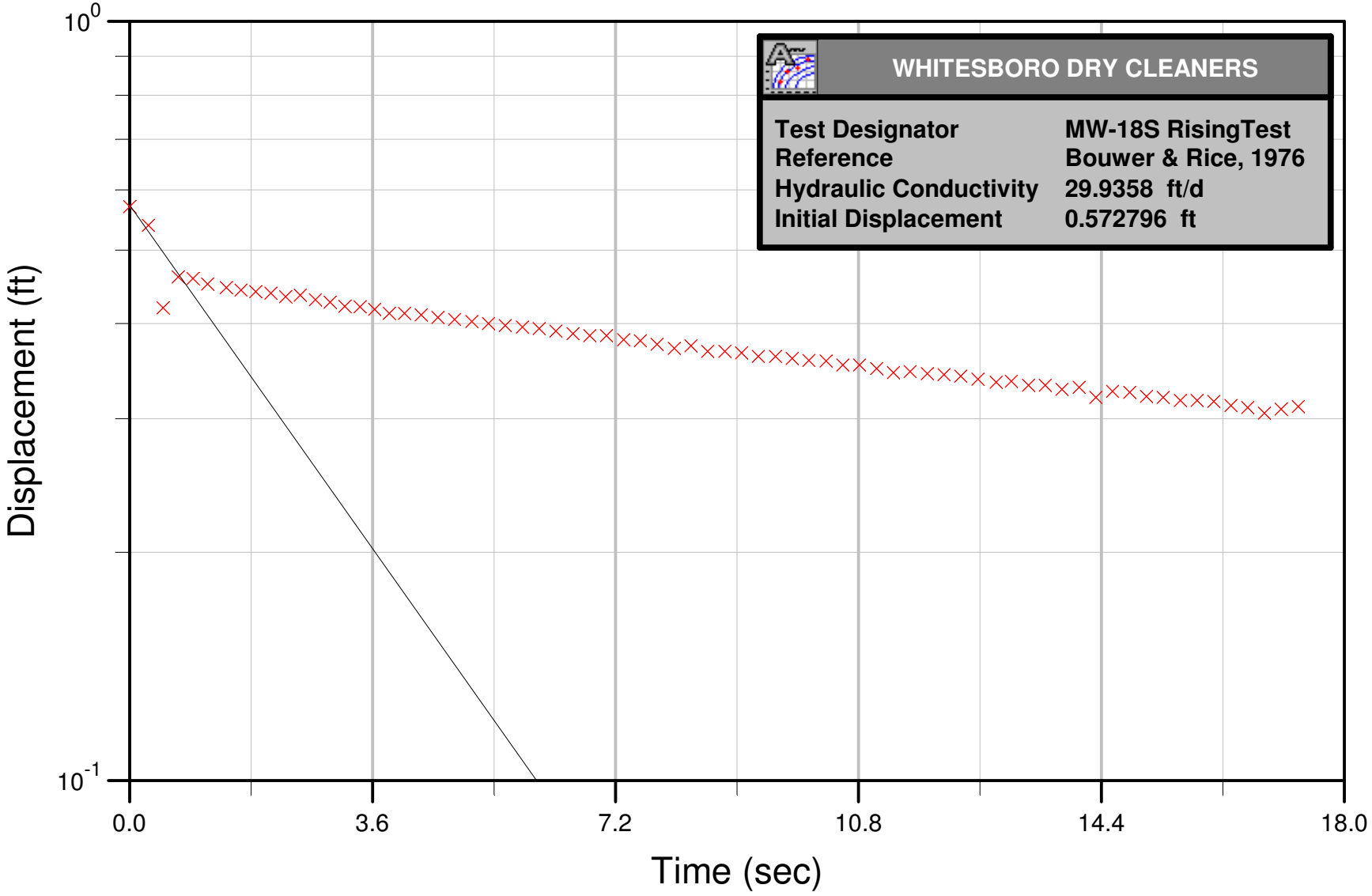
Bouwer & Rice


WHITESBORO DRY CLEANERS
Test Designator MW-18D FallingTest
Reference Bouwer & Rice, 1976
Hydraulic Conductivity 60.8577 ft/d
Initial Displacement 1.7378 ft
Displacement (ft)
10^{1}
10^{0}
10^{-1}
0.0
4.4
8.8
13.2
17.6
22.0
Time (sec)

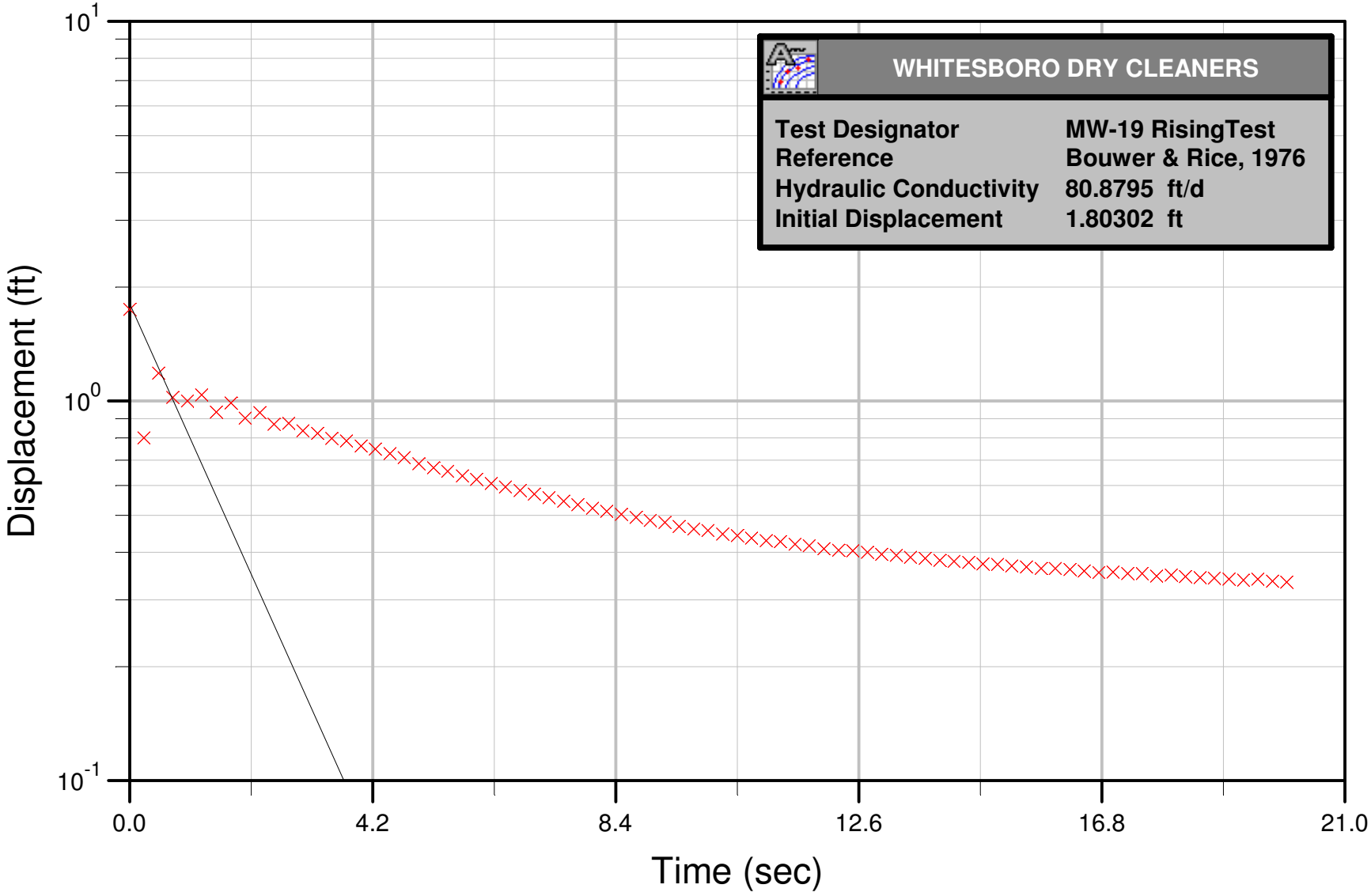
Bouwer & Rice


WHITESBORO DRY CLEANERS
Test Designator MW-18D RisingTest
Reference Bouwer & Rice, 1976
Hydraulic Conductivity 149.619 ft/d
Initial Displacement 2.61818 ft
Displacement (ft)
10^{1}
10^{0}
10^{-1}
10^{-2}
0.0
4.2
8.4
12.6
16.8
21.0
Time (sec)

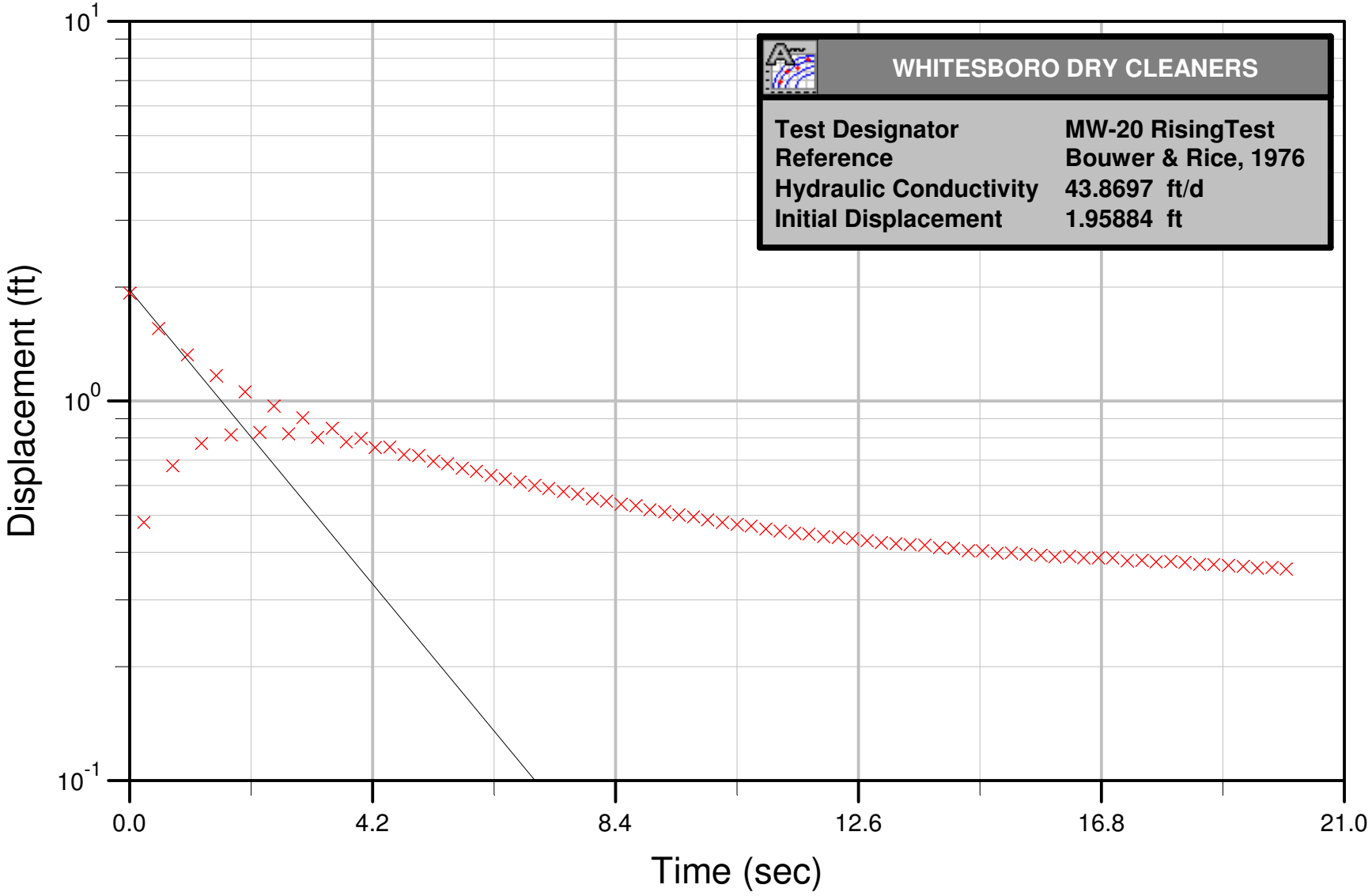
Bouwer & Rice


WHITESBORO DRY CLEANERS
Test Designator MW-18S RisingTest
Reference Bouwer & Rice, 1976
Hydraulic Conductivity 29.9358 ft/d
Initial Displacement 0.572796 ft
10^0
10^{-1}
Displacement (ft)
0.0
3.6
7.2
10.8
14.4
18.0
Time (sec)

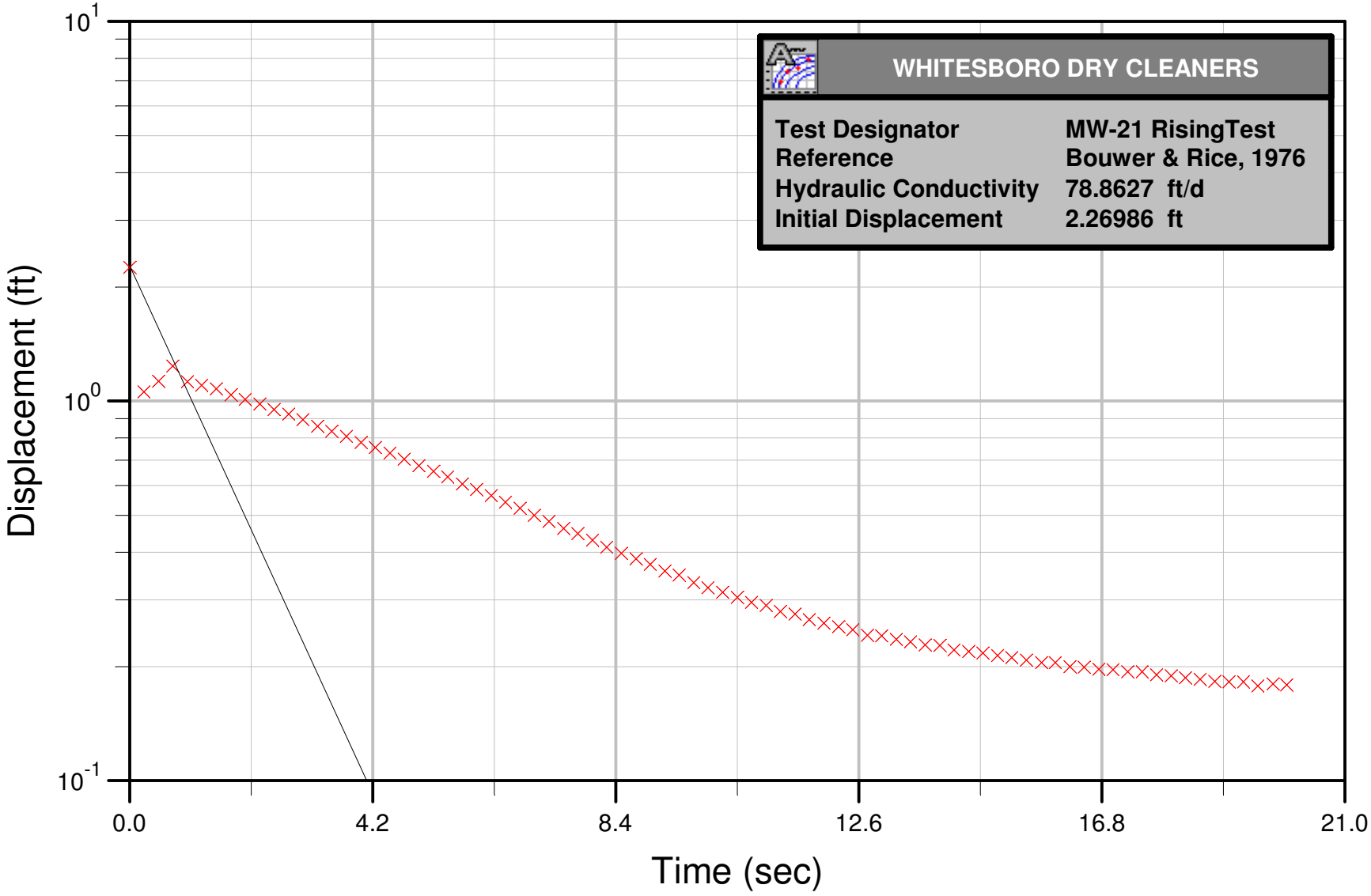
Bouwer & Rice


WHITESBORO DRY CLEANERS
Test Designator MW-19 RisingTest
Reference Bouwer & Rice, 1976
Hydraulic Conductivity 80.8795 ft/d
Initial Displacement 1.80302 ft
Displacement (ft)
10^{1}
10^{0}
10^{-1}
0.0
4.2
8.4
12.6
16.8
21.0
Time (sec)

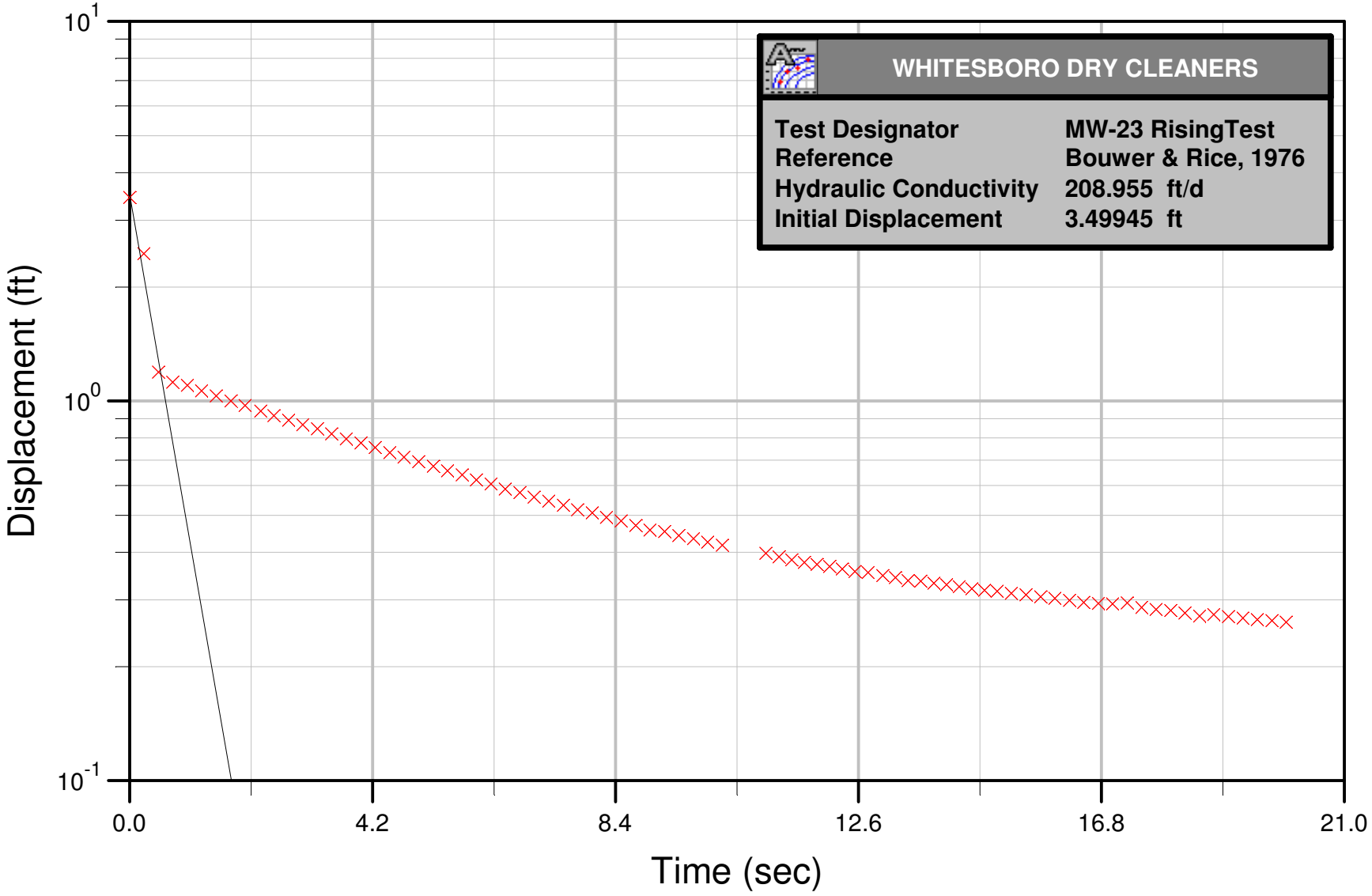
Bouwer & Rice


WHITESBORO DRY CLEANERS
Test Designator MW-20 RisingTest
Reference Bouwer & Rice, 1976
Hydraulic Conductivity 43.8697 ft/d
Initial Displacement 1.95884 ft
Displacement (ft)
10^1
10^0
10^{-1}
0.0
4.2
8.4
12.6
16.8
21.0
Time (sec)

Bouwer & Rice


WHITESBORO DRY CLEANERS
Test Designator MW-21 RisingTest
Reference Bouwer & Rice, 1976
Hydraulic Conductivity 78.8627 ft/d
Initial Displacement 2.26986 ft
Displacement (ft)
10^{1}
10^{0}
10^{-1}
0.0
4.2
8.4
12.6
16.8
21.0
Time (sec)

Bouwer & Rice


WHITESBORO DRY CLEANERS
Test Designator MW-23 RisingTest
Reference Bouwer & Rice, 1976
Hydraulic Conductivity 208.955 ft/d
Initial Displacement 3.49945 ft
Displacement (ft)
10^1
10^0
10^-1
0.0
4.2
8.4
12.6
16.8
21.0
Time (sec)

APPENDIX H
GROUNDWATER SAMPLING LOGS

May 2013

Low Flow Groundwater Sampling Log

Date	5/13/13	Personnel	JMN	Weather	Overcast 40's
Site Name	Whitesboro Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	B-19NWMW-3
Site Location	Whitesboro, NY	Sampling Method	Grab	Project #	49631

Well information:

Depth of Well *	12.02	ft.	3.4 x 0.04 = 0.136 gal per well volume
Depth to Water *	8.62	ft.	
Length of Water Column	3.4	ft.	
Depth to Intake *	Bailer	ft.	

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 5/13 (1547)

Volume Gal		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed ~~Time~~ gal (min)	Depth To Water (ft)	Temperature (celsius)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0.14	Dry	10.81	7.03	1.39	10	2.73	>1000	NA
0.28	Dry	46.93	6.36	1.24	165	1.62	71	NA
0.42	Dry	11.83	7.24	1.14	41	4.61	92.9	NA

End Purge Time: 1027 5/14

Water sample:

Time collected: _____

Total volume of purged water removed: 0.5 gal

Physical appearance at start		Physical appearance at sampling	
Color	Cloudy	Color	Cloudy
Odor	Petroleum like	Odor	Petroleum like
Sheen/Free Product	1% sheen (NO NAPL noted)	Sheen/Free Product	Sheen / No product

Field Test Results:

Dissolved ferrous iron: _____

Dissolved total iron: _____

Dissolved total manganese: _____

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-3-051413	VOA	2	No	HCL	

5/14 @ 0908 - DTW 8.65' bTOC

5/14 @ 1020 - DTW 9.18' bTOC

Low Flow Ground Water Sampling Log

Date	5/14/13	Personnel	JMN	Weather	Sunny 50's
Site Name	Whitesboro Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	B-9NWMW-1
Site Location	Whitesboro, NY	Sampling Method	Grab	Project #	49631

Well information:

Depth of Well *	11.11	ft.
Depth to Water *	8.10	ft.
Length of Water Column	3.01	ft.
Depth to Intake *	10.11	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1050

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	Depth To Water (ft)	Temperature (celsius)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
5	8.11	12.81	7.52	1.23	69	0.62	64.4	150
15	8.12	11.76	7.14	1.24	48	0.00	47.3	200
20	8.12	11.87	7.09	1.24	40	0.00	12.9	200
25	8.12	11.80	~~7.39~~	1.24	36	0.00	8.40	200
30	8.12	11.70	7.14	1.24	34	0.00	8.76	200
35	8.12	11.79	6.83	1.39	32	0.00	10.17	200
40	8.12	11.48	6.84	1.39	29	0.00	7.10	200
45	8.12	11.67	6.82	1.32	28	0.00	3.77	200

End Purge Time: 1135

Water sample:

Time collected: 1137

Physical appearance at start

Color: cloudy brown

Odor: strong Petroleum like odor

Sheen/Free Product: Sheen/no product

Total volume of purged water removed: 2 gal

Physical appearance at sampling

Color: Clear

Odor: None

Sheen/Free Product: None

Field Test Results:

Dissolved ferrous iron: _____

Dissolved total iron: _____

Dissolved total manganese: _____

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-1-051413	VOA	2	NO	HCL	-

Low Flow Ground Water Sampling Log

Date: 5/13/13 | Personnel: JMN | Weather: Overcast 40's
Site Name: Whitesboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-14
Site Location: Whitesboro, NY | Sampling Method: Grab | Project #: 49631

Well information:

Depth of Well *	14.23	ft.
Depth to Water *	7.05	ft.
Length of Water Column	7.18	ft.
Depth to Intake *	10.23	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1440

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
5	7.24	10.69	7.22	1.73	-46	0.00	32	150
10	7.31	10.58	6.75	1.73	-5	0.00	29	150
15	7.32	10.62	6.68	1.70	-3	0.00	42	150
20	7.32	10.75	6.66	1.78	-3	0.00	55.2	150
25	7.33	10.78	6.68	1.73	-9	0.00	18.3	150
30	7.33	10.72	6.67	1.68	-12	0.00	9.12	150
35	7.33	10.77	6.73	1.66	-14	0.00	5.62	150

End Purge Time: 1515

Water sample:
Time collected: 1517

Physical appearance at start
Color: Cloudy
Odor: None
Sheen/Free Product: None

Total volume of purged water removed: 2 gal

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron:
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-14-051313	VOA	2	NO	HCL	—

Low Flow Ground Water Sampling Log

Date	5/14/13	Personnel	JMN	Weather	Sunny 50's
Site Name	Whitesboro Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-15
Site Location	Whitesboro, NY	Sampling Method	Grab	Project #	49631

Well information:

Depth of Well *	14.54	ft.
Depth to Water *	9.11	ft.
Length of Water Column	5.43	ft.
Depth to Intake *	12.54	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 0935

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
5	9.25	9.99	6.62	1.08	180	3.12	10.97	100
10	9.33	10.61	6.79	1.08	161	0.00	8.00	100
15	9.36	10.73	6.67	1.10	151	0.00	6.28	100
20	9.39	11.02	6.49	1.11	146	0.00	4.60	100
25	9.40	11.08	6.47	1.11	145	0.00	4.32	100
30	9.40	11.09	6.46	1.10	143	0.00	4.05	100
35	9.40	11.23	6.57	1.08	141	0.00	3.16	100
40								

End Purge Time: 1010

Water sample:

Time collected: 1012

Physical appearance at start

Color: Clear

Odor: None

Sheen/Free Product: None

Total volume of purged water removed: 1 gal

Physical appearance at sampling

Color: Clear

Odor: None

Sheen/Free Product: None

Field Test Results:

Dissolved ferrous iron: _____

Dissolved total iron: _____

Dissolved total manganese: _____

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-15-051413	VOA	2	No	HCL	—

Low Flow Ground Water Sampling Log

Date	5/8/13	Personnel	JMW	Weather	Overcast 70s
Site Name	Whitesboro Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-16D
Site Location	Whitesboro, NY	Sampling Method	Grab	Project #	49631

Well information:

Depth of Well *	27.65	ft.
Depth to Water *	6.25	ft.
Length of Water Column	21.4	ft.
Depth to Intake *	25.65	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1142

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	Depth To Water (ft)	Temperature (celsius)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
1142 0	6.71	13.52	7.32	1.02	96	5.69	19.3	300
5	6.98	13.20	7.42	1.01	11	2.95	18.3	500
10	7.60	12.94	7.43	1.01	-40	0.85	61.9	500
15	7.60	13.12	7.46	1.00	-52	0.23	52.1	350
20	7.67	12.99	7.48	1.00	-61	0.00	27.2	350
25	7.70	13.16	7.49	1.00	-65	0.00	21.4	350
30	7.74	13.16	7.46	1.00	-69	0.00	17.6	350
35	7.76	13.18	7.43	1.00	-72	0.00	11.15	350

End Purge Time: 1221

Water sample:

Time collected: 1223

Physical appearance at start

Color: Clear

Odor: None

Sheen/Free Product: None

Total volume of purged water removed: 5gal

Physical appearance at sampling

Color: Clear

Odor: None

Sheen/Free Product: None

Field Test Results:

Dissolved ferrous iron: _____

Dissolved total iron: _____

Dissolved total manganese: _____

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-16D 050813	VOA	2	no	HCL	

Property owner and his son on site 1220.

Low Flow Ground Water Sampling Log

Date: 5/8/13 | Personnel: JMW | Weather: Overcast + 70s
Site Name: Whitesboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-16S
Site Location: Whitesboro, NY | Sampling Method: Grab | Project #: 49631

well information:

Depth of Well *	13.80	ft.
Depth to Water *	6.02	ft.
Length of Water Column	9.80	ft.
Depth to Intake *	7.78	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1244

Elapsed Time (min)	Depth To Water (ft)	Temperature (celsius) 10.0%	pH 0.1	Conductivity (ms/cm) 3%	Oxidation Reduction Potential 10 mV	Dissolved Oxygen (mg/l) 10%	Turbidity (NTU) 10%	Flow Rate (ml/min). 100-500 ml/min
0	6.07	11.71	7.61	1.85	110	5.85	69.4	400
1250 5	6.06	10.84	7.70	1.87	116	2.49	77.9	400
10	6.06	10.70	7.64	1.78	117	1.17	21.1	400
15	6.06	10.62	7.66	1.46	117	1.06	9.88	400
20	6.06	10.57	7.64	1.34	120	1.14	5.60	390
25	6.06	10.55	7.72	1.14	122	1.06	4.04	390
30	6.06	10.53	7.71	1.09	126	1.04	2.86	390
35	6.06	10.52	7.69	1.06	128	1.19	2.28	390
40	6.06	10.60	7.69	1.03	131	1.35	2.10	390
45	6.07	10.64	7.67	1.01	133	1.16	1.70	390
50	6.07	10.53	7.65	0.985	136	1.04	2.46	390
55	6.06	10.60	7.65	0.976	137	1.02	1.43	390
60	6.06	10.51	7.64	0.963	138	1.01	2.11	390

End Purge Time: 1345

Water sample:
Time collected: 1346

Physical appearance at start
Color: Clear
Odor: None
Sheen/Free Product: None

Total volume of purged water removed: 7 gal

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron:
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters:

Sample *	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-16S-050813	VOA	2	No	HCL	—

Low Flow Ground Water Sampling Log

Date: 5/10/13 | Personnel: JMN | Weather: Pt Cloudy 70s

Site Name: Whitesboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-17

Site Location: Whitesboro, NY | Sampling Method: Grab | Project #: 49631

Well information:

Depth of Well * 14.65 ft.
Depth to Water * 7.48 ft.
Length of Water Column 7.17 ft.
Depth to Intake * 10.65 ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1123

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
1123 0	7.57	14.27	6.64	0.472	209	1.47	116	120
5	7.60	15.32	7.10	0.473	180	0.24	102	120
10	7.60	13.90	7.23	0.464	159	0.00	105	120
15	7.60	13.46	7.31	0.453	137	0.00	72.7	120
20	7.60	13.24	7.31	0.443	114	0.00	65.1	120
25	7.60	13.03	7.30	0.431	96	0.00	46.2	120
30	7.60	12.83	7.31	0.422	80	0.00	38.1	120
35	7.60	12.96	7.33	0.410	69	0.00	32.5	120
40	7.60	12.81	7.34	0.408	62	0.00	26.0	120
45	7.60	12.86	7.41	0.399	52	0.00	19.2	120
50	7.60	12.83	7.43	0.397	46	0.00	17.6	120
55	7.60	12.77	7.44	0.398	41	0.00	13.9	120
60	7.60	12.71	7.45	0.396	38	0.00	12.1	120

End Purge Time: 1225

Water sample:

Time collected: 1227

Physical appearance at start
Color: Cloudy
Odor: None
Sheen/Free Product: None

Total volume of purged water removed: 3.5gal

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Field Test Results:

Dissolved ferrous iron:
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-27-051013	VOA	2	— NO	HCL	—

Low Flow Ground Water Sampling Log

Date: 5/13/13 | Personnel: JMW | Weather: Overcast 40's
Site Name: Whitesboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-18D
Site Location: Whitesboro, NY | Sampling Method: Grab | Project #: 49631

Well information:

Depth of Well * 22.21 ft.
Depth to Water * 7.90 ft.
Length of Water Column 14.31 ft.
Depth to Intake * 18.21 ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1245

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	7.99	12.60	7.25	0.977	155	3.18	>1000	250
1250 5	8.05	13.11	7.35	1.02	-30	0.00	58.4	350
10	8.05	13.18	7.25	1.08	-54	0.00	18.8	350
15	8.05	13.19	7.21	1.10	-63	0.00	13.9	350
20	8.05	13.20	7.16	1.11	-66	0.00	11.7	350
25	8.05	13.24	7.15	1.11	-68	0.00	8.24	350
30	8.05	13.24	7.15	1.11	-69	0.00	8.22	350
35	8.05	13.25	7.13	1.12	-69	0.00	6.16	350

End Purge Time: 1320

Water sample:

Time collected: 1322

Physical appearance at start
Color: Cloudy brown
Odor: None
Sheen/Free Product: None

Total volume of purged water removed: 4 gal

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Field Test Results:

Dissolved ferrous iron: _____
Dissolved total iron: _____
Dissolved total manganese: _____

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-18D-051313	VOA	2	NO	HCL	—

Low Flow Ground Water Sampling Log

Date: 5/13/15 | Personnel: JMN | Weather: MW-18S
Site Name: Whitesboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: Summit 4013
Site Location: Whitesboro, NY | Sampling Method: Grab | Project #: 49631

Well information:

Depth of Well *: 15.22 ft.
Depth to Water *: 7.81 ft.
Length of Water Column: 7.41 ft.
Depth to Intake *: 10.22 ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1130

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	8.17	10.95	6.14	0.412	271	1.51	87.0	100
1140 5	8.37	11.60	6.60	0.409	243	0.53	98.9	100
10	8.65	11.96	6.86	0.406	226	0.02	83.0	100
15	8.82	12.02	7.00	0.403	216	0.00	84.4	100
20	9.00	11.99	7.09	0.401	208	0.00	76.7	100
25	9.18	11.98	7.17	0.400	202	0.00	106.7	100
30	9.38	12.07	7.20	0.402	199	0.00	99	100
35	9.55	12.04	7.32	0.403	195	0.00	69	100
40	9.63	11.91	7.34	0.405	193	0.00	122	100
45	9.73	12.09	7.36	0.407	190	0.00	90	100
50	9.82	12.10	7.38	0.410	189	0.00	92	100
55	9.88	11.95	7.39	0.414	188	0.00	93	100

End Purge Time: 1230

Water sample:

Time collected: 1232

Physical appearance at start
Color: Cloudy
Odor: None
Sheen/Free Product: None

Total volume of purged water removed: 2(on)

Physical appearance at sampling
Color: Cloudy
Odor: None
Sheen/Free Product: None

Field Test Results:

Dissolved ferrous iron:
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-18S-05313	VOA	2	NO	HCL	

Low Flow Ground Water Sampling Log

Date: 5/9/13 | Personnel: JMN | Weather: Pt Cloudy 60's
Site Name: Whitesboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-19
Site Location: Whitesboro, NY | Sampling Method: Grab | Project #: 49631

Well information:

Depth of Well *	13.79	ft.
Depth to Water *	7.81	ft.
Length of Water Column	5.98	ft.
Depth to Intake *	9.79	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 0926

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0930	8.03	14.22	6.95	0.951	151	4.22	14.1	100
10	8.12	15.84	7.54	0.916	93	3.78	8.41	100
15	8.17	15.23	7.66	0.916	79	3.28	7.06	100
20	8.22	14.35	7.78	0.933	60	2.68	5.98	100
25	8.27	13.91	7.84	0.944	42	2.09	5.48	100
30	8.28	13.62	7.84	0.955	28	1.51	4.68	100
35	8.29	13.56	7.83	0.954	23	1.80	4.30	100
40	8.30	13.40	7.89	0.961	16	0.94	3.66	100
45	8.32	13.30	7.88	0.959	12	0.48	3.09	100
50	8.33	13.24	7.87	0.960	10	0.00	2.44	100
55	8.34	13.10	7.87	0.958	9	0.00	1.95	100
60	8.35	13.27	7.87	0.953	11	0.00	1.79	100

End Purge Time: 1025

Water sample:
Time collected: 1026
Physical appearance at start
Color: Clear
Odor: None
Sheen/Free Product: None

Total volume of purged water removed: 2 gal
Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron:
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-19-050913	VOA	2	NO	HCL	~~HCL~~ —
MW-19-050913	VOA	2	NO	None	— for ADA

Low Flow Ground Water Sampling Log

Date: 5/9/13 | Personnel: JMN | Weather: Pt Cloudy 60s
Site Name: Whitesboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-20
Site Location: Whitesboro, NY | Sampling Method: Grab | Project #: 49631

Well information:

Depth of Well *	14.31	ft.
Depth to Water *	7.01	ft.
Length of Water Column	7.30	ft.
Depth to Intake *	10.31	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1047

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	7.34	13.34	7.98	0.783	136	3.31	13.5	150
5	7.60	12.34	7.90	0.791	142	1.61	8.0	300
10	7.88	12.33	7.89	0.802	142	1.54	4.17	300
15 (1130 stop)	7.51	12.94	7.85	0.799	134	0.17	3.02	300
20	7.92	12.49	7.71	0.794	138	0.00	4.41	300
25	8.29	12.37	7.62	0.796	142	0.00	2.94	300
30	8.54	12.69	7.57	0.785	145	0.09	2.79	250
35	8.68	12.65	7.62	0.781	149	1.08	2.92	250
40	8.81	12.64	7.63	0.781	156	1.79	2.62	250
45	8.95	12.72	7.60	0.779	163	2.76	2.37	250
50	9.07	12.55	7.59	0.785	167	2.24	2.23	250
55	9.18	12.55	7.57	0.787	171	2.18	2.24	250
60	9.23	12.84	7.54	0.785	175	2.23	2.96	200
65	9.26	12.89	7.55	0.783	178	2.33	2.46	200
70	9.28	12.93	7.54	0.786	182	2.30	2.11	200

End Purge Time: 1226

Water sample:
Time collected: 1229

Total volume of purged water removed: 6 gal

Physical appearance at start
Color: ~~Tt~~ Clear
Odor: None
Sheen/Free Product: None

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron:
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-20-050913	VOA	2	NO	HCl	=
	1Lt Amber	4		None	=
	500 mL Plastic	1		NaOH	=
	500 mL Plastic	1		HNO_3	=
+ FD-1					

Low Flow Ground Water Sampling Log

Date: 5/10/13 | Personnel: JMN | Weather: Overcast 70s
Site Name: Whitesboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-21
Site Location: Whitesboro, NY | Sampling Method: Grab | Project #: 49631

Well information:

Depth of Well *	13.65	ft.
Depth to Water *	9.60	ft.
Length of Water Column	4.05	ft.
Depth to Intake *	11.65	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 12.47

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
1250 0	9.75	14.34	7.42	0.877	145	0.00	28.4	280
5	9.85	13.88	7.39	0.937	148	0.00	11.5	280
10	9.95	13.21	7.29	1.01	150	0.00	9.62	280
15	10.08	13.24	7.37	1.01	145	0.00	11.57	200
20	10.00	13.30	7.36	1.01	145	0.00	13.1	150
25	10.03	13.36	7.32	1.02	147	0.00	8.68	150
30	10.05	13.43	7.34	1.03	147	0.00	6.67	150
35	10.08	13.41	7.31	1.04	146	0.00	5.00	150

End Purge Time: 1325

Water sample:
Time collected: 1327

Physical appearance at start
Color: ~~Cloudy~~ Clear
Odor: None
Sheen/Free Product: None

Total volume of purged water removed: 2.5 gal

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron:
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-21-051013	VOA	2	no	HCL	—

Low Flow Ground Water Sampling Log

Date	5/8/13	Personnel	JMN	Weather	Overcast/Rain 70's
Site Name	Whitesboro Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-22
Site Location	Whitesboro, NY	Sampling Method	Grab	Project #	49631

Well information:

Depth of Well *	13.84	ft.
Depth to Water *	6.71	ft.
Length of Water Column	~~7.13~~	ft.
Depth to Intake *	8.84	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1439

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	6.95	12.44	7.98	1.10	149	3.44	15.6	200
5	7.23	11.40	7.88	1.12	158	2.52	18.2	200
1450 10	7.42	11.98	7.70	1.11	161	2.15	14.8	100
15	7.61	11.93	7.60	1.10	161	1.79	15.9	100
20	7.71	12.52	7.55	1.08	161	1.88	15.3	100
25	7.84	12.30	7.47	1.06	163	1.86	15.8	100
30	7.94	12.29	7.45	1.05	163	1.89	11.6	100

End Purge Time: 1508

Water sample:

Time collected: 1510

Total volume of purged water removed: 1.9 gal

Physical appearance at start

Color: Clear

Odor: None

Sheen/Free Product: None

Physical appearance at sampling

Color: Clear

Odor: None

Sheen/Free Product: None

Field Test Results:

Dissolved ferrous iron: _____

Dissolved total iron: _____

Dissolved total manganese: _____

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-22-050813	VOA	2	No	HCl	

LOW FLOW GROUND WATER SAMPLING LOG

Date	5/9/13	Personnel	JMW	Weather	Overcast 70's
Site Name	Whitesboro Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-23
Site Location	Whitesboro, NY	Sampling Method	Grab	Project #	49631

Well information:

Depth of Well *	14.59	ft.
Depth to Water *	6.64	ft.
Length of Water Column	7.95	ft.
Depth to Intake *	10.59	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1335

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	6.90	15.73	7.99	1.72	63	6.20	21.9	400
5	7.03	13.68	7.93	1.73	42	3.85	28.2	400
10	7.11	11.26	7.74	1.88	58	2.50	33.7	400
15	7.16	11.24	7.66	1.92	62	1.27	25.9	400
20	7.19	11.14	7.58	1.92	55	0.00	13.2	400
25	7.21	11.11	7.55	1.92	49	0.00	9.66	400
30	7.25	10.91	7.54	1.90	31	0.00	—	400
35	7.27	10.94	7.51	1.90	27	0.00	9.06	400
40	7.28	10.86	7.50	1.91	24	0.00	7.34	400

End Purge Time: 1415

Water sample:

Time collected: 1417

Physical appearance at start

Color: Clear

Odor: None

Sheen/Free Product: None

Total volume of purged water removed: 7 gal 1 8

Physical appearance at sampling

Color: Clear

Odor: None

Sheen/Free Product: None

Field Test Results:

Dissolved ferrous iron: _____

Dissolved total iron: _____

Dissolved total manganese: _____

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-23-050913	VOA	2	NO	HCl	—
MS	1 Liter Amber	4	NO	None	—
MSD	500 mL Plastic	1	NO	HNO_3	—
	500 mL Plastic	1	NO	NaOH	—

Low Flow Ground Water Sampling Log

Date: 5/13/13 | Personnel: JMN | Weather: Overcast 40's
Site Name: Whitesboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-9
Site Location: Whitesboro, NY | Sampling Method: Grab | Project #: 49631

Well information:

Depth of Well *	14.71	ft.
Depth to Water *	9.30	ft.
Length of Water Column	5.41	ft.
Depth to Intake *	12.71	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1340

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	9.49	10.49	7.03	2.89	-108	3.00	37.2	150
5	9.56	10.26	7.04	2.91	-101	0.66	27.2	150
10	9.60	10.17	7.02	2.93	-98	0.07	23.4	150
15	9.67	10.16	6.99	2.90	-93	0.00	14.5	150
20	9.72	10.14	6.94	2.87	-86	0.00	4.92	150
25	9.76	10.11	6.94	2.84	-86	0.00	3.30	150
30	9.79	10.06	6.93	2.82	-87	0.00	2.88	150
35	9.80	10.08	6.99	2.78	-89	0.00	2.17	150

End Purge Time: 1415

Water sample:
Time collected: 1417

Total volume of purged water removed: 2.5 gal

Physical appearance at start
Color: Clear
Odor: Petroleum like
Sheen/Free Product: None

Physical appearance at sampling
Color: Clear
Odor: Petroleum like
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron: _____
Dissolved total iron: _____
Dissolved total manganese: _____

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-9-05313	VOA	2	No	HCL	—

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O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	9/30/13	Personnel	NWV	Weather	70° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-1
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

B-9NWMW-1

Well information:

Depth of Well *	11.11	ft.	* Measurements taken from	
Depth to Water *	8.18	ft.	X	Top of Well Casing
Length of Water Column	2.93	ft.		Top of Protective Casing
Depth to Intake *	9.11	ft.		(Other, Specify)

Start Purge Time: 1020

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	8.21	18.39	8.28	1.05	42	2.54	317	200
5	8.23	19.01	8.44	1.04	39	0.54	164	200
10	8.24	19.45	8.22	1.03	30	0.47	62.9	200
15	8.24	20.04	8.02	1.02	27	0.36	20.8	200
20	8.24	20.18	7.97	1.02	23	0.30	16.8	200
25	8.24	20.67	7.95	1.00	21	0.25	25.4	200
30	8.24	21.20	7.95	0.991	20	0.00	13.6	200
33	8.24	21.20	8.02	0.993	20	0.00	12.2	200
36	8.24	21.58	8.05	0.981	20	0.00	11.6	200
39	8.24	22.00	8.04	0.975	20	0.00	8.37	200

End Purge Time: 1100

Water sample:

Time collected: 1105

Total volume of purged water removed: 2.0 gallons

Physical appearance at start

Color: sl. cloudy

Odor: no

Sheen/Free Product: no

Physical appearance at sampling

Color: clear

Odor: no

Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron: NA

Dissolved total manganese: NA

Analytical Parameters: 8260B

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-1-093013	VOA	2	No	HCl	—

O'Brien & Gere Engineers, Inc. — Low Flow Ground Water Sampling Log

Date	9/19/13	Personnel	NWV	Weather	75° sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	B-19NW MW-3
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	12.02 ft.	* Measurements taken from	
Depth to Water *	8.63 ft.	X	Top of Well Casing
Length of Water Column	3.39 ft. = 0.14 g (2.5 cups)		Top of Protective Casing
Depth to Intake *	Baile ft.		(Other, Specify)

Start Purge Time: 1345

well volum		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
~~Elapsed Time (min)~~	Depth To Water (ft)	Temperature (celsius)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	~~Flow Rate (ml/min)~~
1345 1	8.63	22.51	6.99	0.736	5	7.94	386	Baile
1450 2	9.05	22.83	8.18	0.750	-45	7.70	382	Baile
1645 3	8.89	22.26	8.76	0.772	-19	9.93		Baile

End Purge Time: 1650

Water sample:

Time collected: 1755

Total volume of purged water removed: ~4 gallons

Physical appearance at start

Color: cloudy

Odor: petroleum like

Sheen/Free Product: ~~no~~ trace sheen

Physical appearance at sampling

Color: cloudy

Odor: petroleum like

Sheen/Free Product: trace sheen

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron: NA

Dissolved total manganese: NA

Analytical Parameters: 8260B

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-3-091913	VOA	2	N	HCl	—

O'Brien & Gere Engineers, Inc. — **Low Flow Ground Water Sampling Log**

Date	9/20/13	Personnel	NWV	Weather	~65° sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-9
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	14.71	ft.	* Measurements taken from
Depth to Water *	9.27	ft.	x Top of Well Casing
Length of Water Column	5.44	ft.	Top of Protective Casing
Depth to Intake *	12-71	ft.	(Other, Specify)

Start Purge Time: 0910

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	9.27	14.19	7.31	2.52	-119	3.50	9.43	180
5	9.52	14.46	7.65	2.47	-122	1.65	8.23	180
10	9.52	15.24	8.13	2.39	-123	0.43	5.33	180
15	9.53	15.52	8.21	2.40	-121	0.16	3.25	180
20	9.54	15.74	8.22	2.40	-121	0.05	2.81	180
25	9.56	15.97	8.25	2.39	-122	0.00	2.06	180
30	9.56	16.02	8.27	2.40	-122	0.00	2.19	150
33	9.56	16.23	8.29	2.40	-123	0.00	2.41	150
36	9.54	16.24	8.31	2.42	-122	0.00	3.24	150
39	9.54	16.29	8.32	2.43	-122	0.00	2.26	150

End Purge Time: 0950

Water sample:

Time collected: 0955

Total volume of purged water removed: 1.75 gallons

Physical appearance at start

Color: clear

Odor: petroleum like

Sheen/Free Product: no

Physical appearance at sampling

Color: clear

Odor: petroleum like

Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron: NA

Dissolved total manganese: NA

Analytical Parameters: 8260B

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-9-092013	VOA	2	N	HCl	—

O'Brien & Gere Engineers, Inc. — Low Flow Ground Water Sampling Log

Date	9/19/13	Personnel	NWV	Weather	75° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-14
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	14.23	ft.	* Measurements taken from
Depth to Water *	7.03	ft.	X Top of Well Casing
Length of Water Column	7.2	ft.	Top of Protective Casing
Depth to Intake *	11.23	ft.	(Other, Specify)

Start Purge Time: 1405

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	7.03	25.27	8.24	1.23	-65	2.53	25.3	250
5	7.27	25.23	7.60	1.20	-79	0.41	8.77	250
10	7.27	24.07	7.58	1.22	-80	0.12	6.92	200
15	7.24	24.13	7.62	1.25	-80	0.06	6.74	200
20	7.23	24.06	7.65	1.27	-80	0.03	6.35	200
25	7.24	24.05	7.67	1.27	-80	0.04	4.89	200
30	7.23	23.85	7.67	1.28	-80	0.00	3.72	200
33	7.23	24.07	7.67	1.27	-80	0.00	3.54	200

End Purge Time: 1438

Water sample:

Time collected: 1440

Total volume of purged water removed: 1.5 gallons

Physical appearance at start

Color: clear

Odor: no

Sheen/Free Product: no

Physical appearance at sampling

Color: clear

Odor: no

Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron: NA

Dissolved total manganese: NA

Analytical Parameters: 8260B

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-14-091913	VOA	2	N	HCl	

O'Brien & Gere Engineers, Inc. — Low Flow Ground Water Sampling Log

Date	9/19/13	Personnel	NWV	Weather	70° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-15
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	19.54	ft.	* Measurements taken from
Depth to Water *	9.05	ft.	X Top of Well Casing
Length of Water Column	5.42	ft.	Top of Protective Casing
Depth to Intake *	12.54	ft.	(Other, Specify)

Start Purge Time: 1725

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	9.05	27.61	9.71	0.834	124	1.43	33.1	200
5	9.39	26.49	9.05	0.839	114	0.44	27.2	200
10	9.42	24.98	8.38	0.874	98	0.06	15.1	150
15	9.44	24.19	8.05	0.896	98	0.00	11.4	150
20	9.44	23.63	7.85	0.915	102	0.00	6.90	150
25	9.44	22.94	7.67	0.936	106	0.00	4.96	150
30	9.43	22.57	7.48	0.934	114	0.00	4.25	150
35	9.43	22.50	7.41	0.933	118	0.00	3.88	150
38	9.43	22.33	7.36	0.930	121	0.00	3.65	150
41	9.43	22.17	7.31	0.928	124	0.00	2.51	150
44	9.43	22.24	7.28	0.921	125	0.00	2.25	150

End Purge Time: 1809

Water sample:

Time collected: 1810

Total volume of purged water removed: 1.5 gallons

Physical appearance at start		Physical appearance at sampling	
Color	clear	Color	clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters: 82603

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-15-091913	VOA	2	N	HCl	—

O'Brien & Gere Engineers, Inc. — Low Flow Ground Water Sampling Log

Date	9/18/13	Personnel	NWV	Weather	50° sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-16D
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	27.38	ft.
Depth to Water *	6.11	ft.
Length of Water Column	21.27	ft.
Depth to Intake *	22.38	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1005

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	6.11	11.06	7.69	1.32	-65	2.55	60.2	400
5	6.36	11.79	8.03	1.27	-84	0.37	17.3	250
10	6.36	12.25	8.18	1.25	-89	0.03	8.85	250
15	6.36	12.60	8.29	1.24	-91	0.00	4.74	250
20	6.36	12.75	8.33	1.23	-92	0.00	3.11	250
25	6.36	12.91	8.36	1.22	-93	0.00	1.73	250
30	6.36	13.06	8.90	1.16	-94	0.00	1.78	250
35	6.36	13.12	8.92	1.17	-94	0.00	1.82	250
38	6.36	13.20	8.95	1.17	-95	0.00	1.37	250

End Purge Time: 1042

Water sample:

Time collected: 1045

Total volume of purged water removed: 2.75 gallons

Physical appearance at start

Color: clear
Odor: no
Sheen/Free Product: no

Physical appearance at sampling

Color: clear
Odor: no
Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA
Dissolved total iron: NA
Dissolved total manganese: NA

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-16D-091813	VOA	3	N	HCl	

O'Brien & Gere Engineers, Inc. — **Low Flow Ground Water Sampling Log**

Date	9/12/13	Personnel	NWV	Weather	~65° sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-16S
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	13.78	ft.	* Measurements taken from
Depth to Water *	5.86	ft.	X Top of Well Casing
Length of Water Column	7.92	ft.	Top of Protective Casing
Depth to Intake *	8.78	ft.	(Other, Specify)

Start Purge Time: 1420

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	5.89	18.59	8.60	1.92	94	1.65	127	325
5	5.89	18.96	8.45	1.92	83	1.20	61.3	325
10	5.89	19.22	8.36	1.91	77	0.64	16.1	325
15	5.89	19.39	8.32	1.82	73	0.69	11.0	325
20	5.89	19.62	8.30	1.72	75	0.97	11.9	325
25	5.89	19.46	8.29	1.64	82	1.17	13.5	325
30	5.89	19.63	8.30	1.53	83	1.41	8.60	325
35	5.89	19.82	8.28	1.45	87	1.67	13.5	325
40	5.89	19.94	8.33	1.27	89	2.21	21.4	325
45	5.89	19.71	8.28	1.26	95	2.32	10.8	325
50	5.89	19.93	8.25	1.25	97	2.32	7.42	325

End Purge Time: 1510

Water sample:

Time collected: 1515

Total volume of purged water removed: 4 gallons

Physical appearance at start

Color: Clear
Odor: no
Sheen/Free Product: no

Physical appearance at sampling

Color: clear
Odor: no
Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA
Dissolved total iron: NA
Dissolved total manganese: NA

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-16S-091713	VOA	6	N	HCl	
MW-16S-091713-MS	1L Amber	2	N	—	
MW-16S-091713MSD	500 mL PE	3	N	HNO_3	
	500 mL PE	3	N	NaOH	

O'Brien & Gere Engineers, Inc. — **Low Flow Ground Water Sampling Log**

Date	9/20/13	Personnel	NWV	Weather	80° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-17
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	14.65	ft.	* Measurements taken from
Depth to Water *	7.58	ft.	X Top of Well Casing
Length of Water Column	7.07	ft.	Top of Protective Casing
Depth to Intake *	11.65	ft.	(Other, Specify)

Start Purge Time: 1145

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	7.58	23.94	9.68	0.534	43	1.62	464	250
5	7.70	23.48	9.90	0.483	5	0.17	84.8	250
10	7.70	21.73	9.73	0.469	-12	0.00	74.9	250
15	7.70	21.26	9.48	0.454	-22	0.00	25.8	250
20	7.70	21.20	9.28	0.450	-25	0.00	18.4	250
25	7.70	20.98	9.37	0.441	-27	0.00	15.1	250
30	7.70	20.68	9.29	0.439	-30	0.00	12.4	250
33	7.70	21.02	9.27	0.428	-34	0.00	10.4	250
36	7.70	20.97	9.30	0.434	-35	0.00	8.67	250
39	7.70	20.86	9.31	0.429	-36	0.00	7.48	250

End Purge Time: 1223

Water sample:

Time collected: 1225

Total volume of purged water removed: 2.5 gallons

Physical appearance at start		Physical appearance at sampling	
Color	clear	Color	clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters: 8260B

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-17-092013	VOA	2	N	HCl	—

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	9/17/13	Personnel	NWV	Weather	55° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-18D
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	23.76	ft.	* Measurements taken from
Depth to Water *	7.76	ft.	X Top of Well Casing
Length of Water Column	16.0	ft.	Top of Protective Casing
Depth to Intake *	18.76	ft.	(Other, Specify)

Start Purge Time: 1300

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	7.85	15.00	8.98	1.03	76	0.57	661	200
5	7.85	14.77	9.00	1.10	-58	0.04	313	200
10	7.85	14.75	9.00	1.14	-73	0.00	180	200
15	7.85	14.58	9.20	1.17	-78	0.00	80.4	200
20	7.85	14.63	9.13	1.19	-79	0.00	51.1	200
25	7.85	14.62	9.17	1.20	-81	0.00	38.0	200
30	7.85	14.59	9.36	1.20	-81	0.00	26.9	200
35	7.85	14.59	9.42	1.20	-82	0.00	27.4	200
38	7.85	14.60	9.46	1.21	-82	0.00	22.5	200
41	7.85	14.56	9.48	1.21	-82	0.00	19.6	200

End Purge Time: 1341

Water sample:

Time collected: 1345

Total volume of purged water removed: 2.5 gallons

Physical appearance at start

Color: Cloudy
Odor: no
Sheen/Free Product: no

Physical appearance at sampling

Color: clear
Odor: no
Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA
Dissolved total iron: NA
Dissolved total manganese: NA

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-18D-091713	VOA	2	N	HCl	—

O'Brien & Gere Engineers, Inc. — Low Flow Ground Water Sampling Log

Date	9/17/13	Personnel	NWV	Weather	45° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-18S
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	14.96	ft.
Depth to Water *	7.63	ft.
Length of Water Column	7.33	ft.
Depth to Intake *	12.96	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1040

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	7.63	13.69	11.12	0.503	-167	1.35	891	175
5	8.46	14.52	10.21	0.505	-127	0.79	359	175
10	8.67	15.07	9.77	0.490	-106	0.61	403	175
15	8.78	15.41	9.35	0.486	-87	0.46	800	175
20	9.11	14.63	9.05	0.501	-73	0.30	>1000	175
25	9.32	14.10	8.83	0.545	-63	0.17	967	175
30	9.58	14.42	8.73	0.553	-58	0.12	>1000	175
35	10.00	14.76	8.63	0.559	-54	0.08	883	175
40	10.18	14.77	8.55	0.596	-50	0.04	959	175
45	10.32	14.91	8.52	0.602	-49	0.01	>1000	175
50	10.91	15.03	8.53	0.573	-50	0.03	>1000	175
55	11.18	14.96	8.49	0.589	-48	0.01	>1000	175
60	11.46	15.03	8.78	0.630	-61	0.05	>1000	175
	Purge to 12.05 for WQ, reduce rate to 175 mL/m							
65	12.08	15.22	8.78	0.627	-61	0.03	>1000	175
70	12.19	15.28	8.76	0.652	-60	0.03	>1000	175
75	12.21	15.37	8.74	0.692	-59	0.02	>1000	175
78	12.25	15.42	8.76	0.715	-60	0.00	>1000	175
81	12.30	15.46	8.73	0.785	-59	0.00	>1000	175
84	12.37	15.44	8.76	0.777	-60	0.00	>1000	175
87	12.46	15.48	8.79	0.774	-62	0.00	>1000	175

increase rate to reduce head

WQ meter test

End Purge Time: 1205

Water sample:

Time collected: 1210

Total volume of purged water removed: 9.5 gallons

Physical appearance at start

Color: sl. cloudy

Odor: no

Sheen/Free Product: no

Physical appearance at sampling

Color: cloudy

Odor: no

Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron: NA

Dissolved total manganese: NA

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-18S-091713	VOA	2	N	HCL	—

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	9/18/13	Personnel	NWV	Weather	70° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-19
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	13.79	ft.
Depth to Water *	7.76	ft.
Length of Water Column	6.03	ft.
Depth to Intake *	10.79	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1355

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	7.76	24.16	8.97	0.922	125	0.97	44.1	125
5	8.07	23.25	8.64	0.919	125	0.33	16.7	125
10	8.18	22.31	8.35	0.935	124	0.37	5.76	125
15	8.26	21.11	8.20	0.971	122	0.20	3.47	125
20	8.36	20.48	8.11	0.981	118	0.07	1.08	125
25	8.44	20.17	8.08	0.983	112	0.00	1.12	125
30	8.48	19.90	8.04	0.983	106	0.00	1.16	125
35	8.48	20.14	8.06	0.973	103	0.00	1.21	125
38	8.45	20.05	8.05	0.974	100	0.00	1.43	125
41	8.44	20.11	8.04	0.970	99	0.00	1.38	125

End Purge Time: 1437

Water sample:

Time collected: 1440

Total volume of purged water removed: 1.75 gallons

Physical appearance at start

Color: clear
Odor: no
Sheen/Free Product: no

Physical appearance at sampling

Color: clear
Odor: no
Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA
Dissolved total iron: NA
Dissolved total manganese: NA

Analytical Parameters: 82603

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-19-091813	VOA	2	N	HCl	

O'Brien & Gere Engineers, Inc. — Low Flow Ground Water Sampling Log

Date	9/18/13	Personnel	NWV	Weather	70° sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-20
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	14.31	ft.
Depth to Water *	6.98	ft.
Length of Water Column	7.33	ft.
Depth to Intake *	11.31	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1455

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	6.98	21.25	8.51	0.911	98	1.49	37.7	225
5	7.41	21.30	8.18	0.911	72	0.32	37.3	225
10	7.57	21.51	7.82	0.912	48	0.10	27.7	225
15	7.76	22.11	8.29	0.910	53	0.17	18.8	225
20	7.87	22.80	8.83	0.921	66	0.11	7.82	225
25	7.94	23.45	8.68	0.914	63	0.06	5.38	225
30	7.98	24.04	8.61	0.901	54	0.03	5.14	225
35	7.99	24.46	8.60	0.887	44	0.02	5.29	225
40	7.99	24.93	8.69	0.869	36	0.00	4.52	225
43	7.99	25.08	9.07	0.862	30	0.00	4.21	225
46	7.99	25.26	9.18	0.851	25	0.00	3.96	225
49	8.09	25.19	9.31	0.844	22	0.00	3.27	225
54	8.18	25.37	9.18	0.834	16	0.00	3.71	225
59	8.12	25.77	9.24	0.830	13	0.00	2.25	200
62	8.12	25.86	9.16	0.829	12	0.00	2.28	200
65	8.12	26.01	9.21	0.822	10	0.00	2.30	200

End Purge Time: 1600

Water sample:

Time collected: 1605

Total volume of purged water removed: 2.75 gallons

Physical appearance at start

Color: clear
Odor: no
Sheen/Free Product: no

Physical appearance at sampling

Color: clear
Odor: no
Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA
Dissolved total iron: NA
Dissolved total manganese: NA

Analytical Parameters: 8260B

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-20-091813	VOA	2	N	HCl	

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	9/18/13	Personnel	NWV	Weather	~55° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-21
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	13.61	ft.
Depth to Water *	9.51	ft.
Length of Water Column	4.10	ft.
Depth to Intake *	12.61	ft.

* Measurements taken from

Y	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1105

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	9.51	14.01	8.53	1.18	70	2.07	146	200
5	9.63	16.01	8.51	1.13	49	0.90	122	200
10	9.66	16.61	8.36	1.16	33	0.32	73.0	200
15	9.68	17.14	8.28	1.31	37	0.27	24.5	200
20	9.73	17.55	8.17	1.32	39	0.49	12.71	200
25	9.76	17.77	8.17	1.30	43	0.63	4.32	200
30	9.77	18.07	8.18	1.28	47	0.69	4.28	200
35	9.79	18.23	8.18	1.26	49	0.71	3.95	200
40	9.79	18.44	8.19	1.22	51	0.68	3.90	200
43	9.80	18.54	8.19	1.23	51	0.68	3.92	200
46	9.80	18.71	8.19	1.22	50	0.68	3.85	200

End Purge Time: 1151

Water sample:

Time collected: 1155

Total volume of purged water removed: 2.5 gallons

Physical appearance at start

Color: Clear

Odor: No

Sheen/Free Product: No

Physical appearance at sampling

Color: Clear

Odor: No

Sheen/Free Product: No

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron: NA

Dissolved total manganese: NA

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-21-091813	VOA	2, 2	N	N	
FD-1-091813	1L Amber	4, 4	N	N	
	500mL Plastic	1, 1	N	HNO_3	
	500 mL Plastic	1, 1	N	NaOH	

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	9/19/13	Personnel	NWV	Weather	75° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-22
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	13.84	ft.
Depth to Water *	6.72	ft.
Length of Water Column	7.12	ft.
Depth to Intake *	10.84	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1535

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	6.72	30.10	8.01	1.05	92	1.37	4.40	160
5	7.10	29.28	7.80	1.06	78	0.22	4.13	160
10	7.27	27.64	7.73	1.09	71	0.13	4.85	160
15	7.48	27.60	7.70	1.07	70	0.03	5.75	160
20	7.68	27.36	7.64	1.07	71	0.06	4.71	160
25	7.85	27.26	7.55	1.07	71	0.05	3.29	160
30	8.02	27.19	7.51	1.08	71	0.01	3.52	160
35	8.15	27.18	7.49	1.09	74	0.00	3.96	160
40	8.27	27.18	7.59	1.09	74	0.00	4.08	100
43	8.30	27.34	7.61	1.11	75	0.00	4.30	100
46	8.34	27.57	7.54	1.10	75	0.00	4.12	100

End Purge Time: 1621

Water sample:

Time collected: 1625

Total volume of purged water removed: 2 gallons

Physical appearance at start

Color: clear
Odor: no
Sheen/Free Product: no

Physical appearance at sampling

Color: clear
Odor: no
Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA
Dissolved total iron: NA
Dissolved total manganese: NA

Analytical Parameters: 8260B

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-22-091913	VOA	2	N	HCl	—

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	9/18/13	Personnel	NWV	Weather	75° Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-23
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	14.59	ft.
Depth to Water *	6.55	ft.
Length of Water Column	8.04	ft.
Depth to Intake *	10.54	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: ~~1635~~ 1635

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	6.75	28.25	8.11	1.36	129	2.16	16.2	350
5	6.92	26.44	8.09	1.43	125	1.03	7.41	350
10	6.95	25.12	8.13	1.44	113	0.62	11.3	350
15	6.96	23.14	8.10	1.48	95	0.37	7.60	350
20	6.97	23.07	8.07	1.46	80	0.26	5.84	350
25	6.97	22.77	8.01	1.44	66	0.20	4.45	350
30	6.97	22.43	8.00	1.45	56	0.18	4.24	350
33	6.97	22.26	8.02	1.45	51	0.19	3.16	350
36	6.97	22.13	8.03	1.45	47	0.20	2.12	350

End Purge Time: 1711

Water sample:

Time collected: 1715

Total volume of purged water removed: 3 gallons

Physical appearance at start

Color	clear
Odor	no
Sheen/Free Product	no

Physical appearance at sampling

Color	clear
Odor	no
Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	N.A
Dissolved total iron:	N.A
Dissolved total manganese:	N.A

Analytical Parameters: 82603

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-23-091813	VOA	2	N	HCl	—

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O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/18/13	Personnel	JMN	Weather	20's Sunny
Site Name	Whitesboro Dry Cleaners	Evacuation Method	Peristaltic	Well #	MW-24
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	12.82	ft.
Depth to Water *	7.79	ft.
Length of Water Column	5.03	ft.
Depth to Intake *	10.82	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1305

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	**Depth To Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/l)**	**Turbidity (NTU)**	**Flow Rate (ml/min).**
0	7.91	10.40	6.56	2.93	3	3.61	28.0	300
1310 5	8.00	11.51	7.41	2.87	-115	0.00	21.0	300
10	8.05	11.62	7.58	2.87	-142	0.00	11.0	350
15	8.06	11.99	7.62	2.86	-153	0.00	10.2	350
20	8.06	12.06	7.63	2.86	-158	0.00	6.4	350
25	8.06	11.98	7.64	2.87	-162	0.00	3.3	350
30	8.06	11.97	7.65	2.87	-166	0.00	4.7	350

End Purge Time: 1335

Water sample: MW-24-121813

Time collected: 1338

Total volume of purged water removed: 2.5 gal

Physical appearance at start

Color: Clear

Odor: None

Sheen/Free Product: None

Physical appearance at sampling

Color: Clear

Odor: None

Sheen/Free Product: None

Field Test Results:

Dissolved ferrous iron: —

Dissolved total iron: —

Dissolved total manganese: —

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	~~Container pH~~ Analysis
MW-24-121813	VOA	2	NO	HCl	VOCs

O'Brien & Gere Engineers, Inc. — Low Flow Ground Water Sampling Log

Date	12/18/13	Personnel	JMN	Weather	20's Pt Cloudy
Site Name	Whitesboro Dry Cleaners	Evacuation Method	Peristaltic	Well #	MW-25
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	15.73	ft.
Depth to Water *	5.32	ft.
Length of Water Column	10.41	ft.
Depth to Intake *	12.73	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1400

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	5.61	11.40	8.21	1.03	-6	7.25	300	350
5	6.38	11.98	7.71	1.01	36	6.12	130	350
10	6.86	11.62	7.67	0.998	49	5.36	200	350
15	7.35	11.71	7.65	1.01	56	5.64	500	300
20	7.65	11.43	7.65	1.02	60	4.48	600	150
25	7.88	11.42	7.65	1.02	65	3.84	650	150
30	8.07	11.39	7.65	1.03	68	3.36	650	150
35	8.13	11.59	7.64	1.03	71	3.14	600	150
40	7.75	11.65	7.64	1.03	73	2.91	600	150
55	6.84	10.62	7.94	1.01	50	0.00	>1000	150
60	6.83	11.98	7.67	0.972	-20	0.00	>1000	150
63	6.84	12.22	7.59	0.968	-28	0.00	>1000	150
66	6.84	12.31	7.56	0.965	-33	0.00	>1000	150
69	6.84	12.36	7.55	0.964	-36	0.00	>1000	150

Note - Disconnected from flow through cell due to a jump in turbidity (>1000 ntu)
- Reconnected after 15 min. Turbidity is still >1000 ntu

End Purge Time: 1509

Water sample: MW-25-121813

Time collected: 1510

Total volume of purged water removed: 4 gal

Physical appearance at start

Color: Cloudy

Odor: NM

Sheen/Free Product: NM

Physical appearance at sampling

Color: brown

Odor: NM

Sheen/Free Product: NM

Field Test Results:

Dissolved ferrous iron: —

Dissolved total iron: —

Dissolved total manganese: —

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	~~Container pH~~ Anlys
MW-25-121813	VOA	2	NO	HCl	VOCs

September 2014

O'Brien & Gere Engineers, Inc. — Low Flow Ground Water Sampling Log

Date	9/30/14	Personnel	~~NWV~~ JMN	Weather	70's + Pt Sunny
Site Name	Whitesboro Dry Clean	Evacuation Method	Peristaltic	Well #	MW-26
Site Location	Whitesboro, NY	Sampling Method	Peristaltic	Project #	8653.49631

Well information:

Depth of Well *	13.36 + 0.37 = 13.73	ft.	
Depth to Water *	6.45	ft.	
Length of Water Column	~~6.91~~ JMN	ft.	= 7.28
Depth to Intake *	8.36 73 JMN	ft.	

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1325

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	Depth To Water (ft)	Temperature (celsius)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	6.79	24.94	7.49	1.00	100.3	3.19	56.6	150
5	6.99	18.33	7.41	1.09	64.7	0.54	86.4	300
10	7.13	18.22	7.42	1.15	63.2	0.48	59.6	200
15	7.18	18.06	7.43	1.13	61.4	0.34	29.1	200
20	7.20	17.72	7.45	1.11	59.3	0.22	34.2	200
25	7.22	17.64	7.45	1.12	56.4	0.27	38.7	200
30	7.22	17.61	7.47	1.08	49.7	0.16	36.9	200
35	7.22	17.66	7.47	1.09	42.0	0.21	39.8	200
40	7.23	17.61	7.47	1.08	34.8	0.21	32.3	200
45	7.24	17.64	7.48	1.07	26.9	0.20	25.1	200
50	7.25	17.60	7.49	1.04	20.4	0.19	19.5	200
55	7.26	17.61	7.50	1.02	15.5	0.19	17.0	200
60	7.27	17.52	7.51	0.99	11.8	0.18	14.7	200
65	7.27	17.59	7.52	0.97	6.9	0.16	14.5	200
70	7.27	17.61	7.52	0.94	4.7	0.15	13.0	200
75	7.28	17.63	7.53	0.92	1.8	0.15	9.92	200
80	7.28	17.66	7.54	0.90	-3.5	0.14	8.87	200
85	7.28	17.70	7.55	0.89	-4.8	0.14	7.95	200
90	7.28	17.71	7.54	0.88	-2.6	0.15	8.27	200
95	7.28	17.73	7.55	0.89	-3.5	0.14	8.15	200

End Purge Time: 1500

Water sample:

Time collected: 1500

Total volume of purged water removed: 6 gal

Physical appearance at start

Color: Clear

Odor: NM

Sheen/Free Product: NM

Physical appearance at sampling

Color: Clear

Odor: NM

Sheen/Free Product: NM

Field Test Results:

Dissolved ferrous iron: X

Dissolved total iron:

Dissolved total manganese:

Analytical Parameters:

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
MW-26-093014	VOA	2	NO	HCl	
MW-26-093014 MS	VOA	2			
MW-26-093014 MSD	VOA	2			
~~FD~~ FD-3-093014	VOA	2			

March 2021

Low Flow Ground Water Sampling Log

Date: 3/11/21 | Personnel: ECL, MTB | Weather: 40°F Cloudy

Name: Whitlock Dry Cleaners | Evacuation Method: Peri Pump | Well #: MW-16D

Site Location: Nanuet, NY | Sampling Method: Low Flow | Project #: 194010001088

Well Information:

Depth of Well *	27.8	ft.
Depth to Water *	5.92	ft.
Length of Water Column	21.88	ft.
Depth to Intake *	25.5	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 11:15

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	5.92	8.1	6.76	1.48	242.3	4.06	76.1	275
5	6.45	10.4	7.15	1.48	212.1	3.33	89.4	275
10	6.48	10.6	7.37	1.45	153.0	2.94	50.2	275
15	6.32	10.5	7.7	1.41	93.0	1.96	46.7	275
20	6.35	10.7	7.41	1.38	67.0	1.74	44.4	300
25	6.38	10.7	7.41	1.36	59.0	1.90	47.1	300
30	6.40	10.7	7.40	1.35	52.4	1.97	50.0	300
35	6.39	10.7	7.40	1.33	41.4	1.52	58.7	275
40	6.45	10.5	7.42	1.33	37.0	2.06	70.8	275
45	6.44	10.9	7.39	1.32	27.7	1.45	58.4	275
50	6.43	11.1	7.41	1.31	25.4	1.75	73.8	275
55	6.43	11.0	7.40	1.30	19.4	1.24	61.0	275
60	6.45	10.9	7.41	1.29	16.6	1.40	67.8	275
65	6.47	11.1	7.39	1.29	12.0	1.32	54.6	275
70	6.48	11.1	7.39	1.24	8.1	1.15	58.3	275
75	6.45	10.9	7.39	1.29	2.2	1.19	62.0	275
80	6.44	10.9	7.40	1.28	4.2	1.16	72.9	275
85	6.46	11.1	7.38	1.28	0.2	1.17	67.5	275
90	6.47	11.0	7.39	1.27	-1.8	1.22	65.7	275
							MTB	

End Purge Time: 12:45

Water sample:

Time collected: 12:50

Total volume of purged water removed: 10 gal

Physical appearance at start

Color: slightly cloudy

Odor: no odor

Sheen/Free Product: no sheen

Physical appearance at sampling

Color: cloudy

Odor: no odor

Sheen/Free Product: no sheen

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron:

Dissolved total manganese:

Analytical Parameters: MW-16D-030121

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40 ml VOA	3	No	HCl	NA

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/11/21 | Personnel: ECL, MTB | Weather: 30's & Cloudy, snow
Name: Whiteboro Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-165
Site Location: Whitesboro, NY | Sampling Method: Low Flow | Project #: 1940100088

Well Information:

Depth of Well *	13.99	ft.
Depth to Water *	5.7	ft.
Length of Water Column	8.29	ft.
Depth to Intake *	9.7	ft.

* Measurements taken from: [X] Top of Well Casing; [ ] Top of Protective Casing; [ ] (Other, Specify)

*MS/MSD collected here

Start Purge Time: 1310

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	5.7	6.5	5.04	1.71	90.3	6.75	>1000	500
5	5.71	8.0	7.65	1.74	91.7	6.03	>1000	250
10	5.71	7.5	7.63	1.75	92.7	5.71	68.6	250
15	5.71	7.3	7.63	1.72	94.6	5.37	48.3	250
20	5.71	7.2	7.56	1.69	101.1	5.97	38.1	250
25	5.71	7.2	7.58	1.66	99.2	4.95	27.1	250
30	5.71	7.0	7.61	1.61	99.8	4.36	19.5	250
35	5.73	7.1	7.63	1.55	100.5	3.90	13.3	250
40	5.73	7.5	7.66	1.45	98.9	3.15	5.55	250
45	5.72	7.6	7.67	1.42	98.3	2.91	3.73	250
50	5.72	7.4	7.68	1.39	98.2	2.85	2.39	250
55	5.96	7.5	7.68	1.38	95.1	2.45	1.70	250
60	9.76	7.5	7.65	1.36	99.4	2.54	1.58	250

End Purge Time: 1410

Water sample:
Time collected: 1415

Total volume of purged water removed: 4.5

Physical appearance at start
Color: Cloudy
Odor: None
Sheen/Free Product: None

Physical appearance at sampling
Color: clear
Odor: none
Sheen/Free Product: none

Field Test Results:
Dissolved ferrous iron: NA
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters: MW-165-030121 MW-165-030121-MS MW-165-030121-MSD MS/MSD collected here

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOAs	VOA 40mL	4	NO	HCl	NA

5/16/2011

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Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/1/21 | Personnel: MAP | Weather: 30°F, Snow
Name: Watertown Dry Cleaners | Evacuation Method: Peristaltic pump | Well #: MW-18D
Site Location: Watertown, NY | Sampling Method: Low Flow | Project #: 194010008

Well Information:

Depth of Well *	24.15	ft.
Depth to Water *	7.5	ft.
Length of Water Column	16.65	ft.
Depth to Intake *	22.2	ft.

* Measurements taken from
- [X] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 12:45

Elapsed Time (min)	Depth To Water (ft)	Temperature (celsius) 10.0% ✓	pH 0.1 ✓	Conductivity (ms/cm) 3% ✓	Oxidation Reduction Potential 10 mV ✓	Dissolved Oxygen (mg/l) 10% ✓	Turbidity (NTU) 10% ✓	Flow Rate (ml/min). 100-500 ml/min ✓
0	7.50	11.3	7.48	0.94	279.1	2.51	78.9	200
5	7.50	11.0	7.49	0.95	275.6	1.64	31.1	200
10	7.51	11.5	7.48	0.95	271.5	1.26	28.7	200
15	7.52	11.6	7.47	0.96	260.5	0.97	17.2	200
20	7.53	11.9	7.46	0.97	252.4	0.81	18.6	200
25	7.54	11.8	7.44	0.98	241.0	0.67	18.2	200
30	7.55	11.9	7.44	0.98	232.3	0.63	13.1	200
35	7.56	11.8	7.43	0.98	224.6	0.52	12.8	200
40	7.58	11.7	7.43	0.98	219.4	0.54	10.7	200
45	7.60	11.9	7.42	0.98	212.7	0.55	11.6	200
50	7.60	11.7	7.42	0.98	208.2	0.55	10.0	200
55	7.62	11.7	7.42	0.98	202.9	0.55	9.3	200
60								200

End Purge Time: 13:40

Water sample:
Time collected: 13:50

Total volume of purged water removed: 15 gals

Physical appearance at start
- Color: translucent tan
- Odor: None
- Sheen/Free Product: None

Physical appearance at sampling
- Color: clear
- Odor: none
- Sheen/Free Product: none

Field Test Results:
- Dissolved ferrous iron: NA
- Dissolved total iron:
- Dissolved total manganese:

Analytical Parameters: MW-18D-030121

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOC	40mL VOA	3	No	HCl	NA

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/11/2021 | Personnel: [redacted], MTB | Weather: 40°F Cloudy

Name: Whitehall Dry Cleaners | Evacuation Method: per. pump | Well #: MW-18S

Site Location: Whitehall, NY | Sampling Method: Low Flow | Project #: 1990100083

Well Information:

Depth of Well *	15.63	ft.
Depth to Water *	6.45	ft.
Length of Water Column	9.18	ft.
Depth to Intake *	10.6	ft.

* Measurements taken from
- [ ] Top of Well Casing
- [x] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 11:40

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	6.45	8.5	7.65	0.355	258.8	11.54	20.9	200
5	7.59	8.3	7.74	0.352	251.5	11.40	24.1	200
10	7.78	7.6	7.73	0.346	252.7	11.23	23.8	100
15	7.95	7.3	7.71	0.344	256.5	10.45	22.9	175
20	8.09	7.3	7.70	0.346	258.0	10.44	23.3	175
25	8.30	8.0	7.73	0.350	260.1	10.39	22.5	175
30	8.50	7.9	7.74	0.351	262.6	10.82	21.2	175
35	8.75	7.9	7.77	0.355	266.1	10.58	20.6	175
40	8.80	7.7	7.78	0.353	266.9	10.74	21.2	175

End Purge Time: 12:20

Water sample:

Time collected: 12:30

Total volume of purged water removed: 2 gall

Physical appearance at start
- Color: Clear
- Odor: None
- Sheen/Free Product: None

Physical appearance at sampling
- Color: Clear
- Odor: None
- Sheen/Free Product: None

Field Test Results:
- Dissolved ferrous iron: NA
- Dissolved total iron:
- Dissolved total manganese:

Analytical Parameters: MW-18S-030121

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40 mL VOA	3	NO	HCl	NA

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/11/11 | Personnel: MAT | Weather: 35°F, cloudy

Name: Nuttings Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-19

Site Location: Whitefield, NH | Sampling Method: LOW FLOW | Project #: 194.1100088

Well Information:

Depth of Well *	13.76	ft.
Depth to Water *	7.5	ft.
Length of Water Column	6.26	ft.
Depth to Intake *	9.2	ft.

* Measurements taken from

- ✓ Top of Well Casing
- Top of Protective Casing
- (Other, Specify)

Start Purge Time: 14:45

Elapsed Time (min)	* Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	7.5	8.9	7.47	1.04	251.8	4.05	7.87	200
5	8.05	8.9	7.43	1.01	252.3	3.86	7.66	200
10	8.19	9.1	7.38	1.09	253.9	3.14	8.22	200
15	8.41	9.0	7.35	1.01	256.8	2.37	7.46	200
20	8.58	8.9	7.35	0.99	258.0	1.78	8.35	200
25	8.65	9.0	7.35	0.95	259.0	1.47	7.21	200
30	8.81	8.9	7.35	0.90	259.9	0.84	8.27	200
35	8.89	9.0	7.33	0.88	260.7	0.81	6.29	200
40	8.92	8.8	7.32	0.90	861.2	0.82	7.22	195
~~45~~								
~~50~~								

End Purge Time: 15:25

Water sample:

Time collected: 15:30

Total volume of purged water removed: 2 Gall

Physical appearance at start

- Color: Clear
- Odor: None
- Sheen/Free Product: None

Physical appearance at sampling

- Color: Clear
- Odor: None
- Sheen/Free Product: None

Field Test Results:

- Dissolved ferrous iron: NA
- Dissolved total iron:
- Dissolved total manganese:

Analytical Parameters: MW-19-030121

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	VoA 40mL	3	No	HCl	NA

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 2/1/21 | Personnel: MTB, ECL | Weather: 30°F cloudy
Name: Whitesboro Operations | Evacuation Method: Peristaltic Pump | Well #: MW-20
Site Location: Whitesboro, NY | Sampling Method: LOW FLOW | Project #: 194010088

Well Information:

Depth of Well *	14.45	ft.
Depth to Water *	6.90	ft.
Length of Water Column	7.55	ft.
Depth to Intake *	9.9	ft.

* Measurements taken from
- [X] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 14.25

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	6.90	8.0	6.98	3.85	150.8	0.09	8.14	300
5	7.5	6.7	7.13	2.30	137.6	1.58	10.10	250
10	7.88	6.8	7.12	2.47	138.3	1.47	3.79	200
15	8.27	6.9	7.08	2.17	141.4	0.81	4.47	275
20	8.44	7.1	7.08	3.05	136.9	0.82	3.80	200
25	8.45	6.7	7.27	3.21	138.0	6.26	5.38	200
30	8.55	6.1	7.17	3.75	142.7	7.00	2.03	150
35	8.9	7.6	7.03	4.16	142.7	2.80	2.05	250
40	9.15	8.0	7.04	4.38	141.2	2.52	2.64	250
45	9.25	8.0	7.06	4.36	140.1	2.65	2.72	200
50	9.35	7.4	7.26	4.80	140.0	8.29	3.04	200
55	9.25	7.2	7.31	4.99	132.2	9.13	3.24	150
60	9.26	7.0	7.35	5.10	132.3	9.71	3.29	200
65	9.26	7.0	7.35	5.14	135.7	9.94	3.70	200

End Purge Time: 15.40

Water sample:

Time collected: 1545

Physical appearance at start
- Color: fairly clear
- Odor: no odor
- Sheen/Free Product: none

Total volume of purged water removed: 3 gal

Physical appearance at sampling
- Color: clear
- Odor: none
- Sheen/Free Product: none

Field Test Results:
- Dissolved ferrous iron: NA
- Dissolved total iron:
- Dissolved total manganese:

Analytical Parameters: MW-20-050121

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40mL VOA	3	N	HCl	NA

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/2/21 | Personnel: MRB, ECL | Weather: 10°F sunny
Name: Whitehorse Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-23
Site Location: Whitehorse, NY | Sampling Method: Low Flow | Project #: 194010008B

Well Information:

Depth of Well *	14.62	ft.
Depth to Water *	6.05	ft.
Length of Water Column	8.57	ft.
Depth to Intake *	~10.3	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 10:05

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	6.05	5.4	8.18	1.25	232.4	11.31	17.9	325
5	6.78	4.6	7.67	1.17	233.8	11.19	3.29	300
10	0.75	4.7	7.66	1.29	224.0	6.91	5.55	325
15	6.75	4.9	7.68	1.31	227.0	10.49	3.35	250
20	6.73	4.7	7.68	1.30	222.6	10.39	2.27	275
25	6.74	4.6	7.63	1.30	224.0	10.40	2.20	250
30	6.70	4.9	7.68	1.39	218.5	10.24	1.57	275
35	6.72	4.9	7.70	1.41	216.9	10.63	1.67	250
40	6.72	4.9	7.70	1.43	214.6	9.41	1.33	250
45	6.74	4.6	7.70	1.46	213.6	9.39	1.08	275
50	6.75	5.1	7.69	1.3	216.7	9.19	1.02	275
55	6.85	5.2	7.76	1.32	209.7	9.10	0.95	275
60	6.85	5.2	7.76	1.55	208.6	8.73	0.81	275

End Purge Time: 1105

Water sample:

Time collected: 1115

Total volume of purged water removed: 3.75 gal

Physical appearance at start
- Color: clear w/ brown flecks
- Odor: no odor
- Sheen/Free Product: none

Physical appearance at sampling
- Color: clear-no flecks
- Odor: no odor
- Sheen/Free Product: none

Field Test Results:
- Dissolved ferrous iron: NA
- Dissolved total iron:
- Dissolved total manganese:

Analytical Parameters: MW-23-030221

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40mL VOAs	3	NO	HCl	NA

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/22/11 | Personnel: MTB ECL | Weather: 9°F, sunny
Name: Washburn Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-22
Site Location: Williston, ND | Sampling Method: Low Flow | Project #: 1910101088

Well Information:

Depth of Well *	14.01	ft.
Depth to Water *	6.25	ft.
Length of Water Column	7.76	ft.
Depth to Intake *	~9.9	ft.

* Measurements taken from
- [X] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 1145

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	6.26	6.2	7.47	3.47	214.7	4.22	76.5	~~300~~
5	7.19	5.6	7.55	3.30	204.9	4.80	2.56	275
10	7.29	4.8	7.56	1.89	199.3	6.97	14.4	250
15	7.39	4.9	7.51	1.89	199.3	6.19	11.2	250
20	7.42	4.6	7.41	2.03	200.1	5.82	7.47	200
25	7.3	4.4	7.39	2.11	200.1	5.18	6.28	200
30	7.3	4.1	7.38	2.17	199.5	5.41	5.04	200
35	7.3	4.1	7.44	2.18	198.9	5.78	5.16	200
40	7.3	4.2	7.33	2.28	198.1	5.68	4.32	200
45	7.3	4.2	7.29	2.31	197.8	5.89	3.98	200

End Purge Time: 1230

Water sample:
Time collected: 1235

Total volume of purged water removed: ~3 gals

Physical appearance at start
- Color: Cloudy
- Odor: no odor
- Sheen/Free Product: none

Physical appearance at sampling
- Color: clear
- Odor: none
- Sheen/Free Product: none

Field Test Results:
- Dissolved ferrous iron: NA
- Dissolved total iron:
- Dissolved total manganese:

Analytical Parameters: MW-22-030211

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40 mL VOA	3	NO	HCl	NA

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/2/11 | Personnel: MTB, EC | Weather: 10°F SUNNY
Project Name: Watervliet Dry Iron | Evacuation Method: Peristaltic pump | Well #: MW-25
Site Location: Watervliet, NY | Sampling Method: Low Flow | Project #: 194010008

Well Information:

Depth of Well *	15.30	ft.
Depth to Water *	5.14	ft.
Length of Water Column	10.20	ft.
Depth to Intake *	~ 11.2	ft.

* Measurements taken from
- [X] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 1315

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	5.10	7.6	8.16	0.91	173.4	10.33	21.4	250
5	5.87	7.1	8.20	0.91	174.7	10.72	20.7	250
10	6.13	7.0	8.16	0.90	175.7	9.73	16.6	150
15	6.52	6.9	8.05	0.86	175.7	9.79	13	150
20	6.78	6.6	7.99	0.90	176.2	9.84	18.2	200
25	7.10	6.7	7.98	0.89	176.6	8.94	14.5	200
30	7.30	7.0	7.97	0.88	176.1	8.08	15.2	200
35	7.70	7.2	7.93	0.87	176.1	7.42	20.8	200
40	7.95	7.3	7.92	0.87	175.9	6.82	20.0	200
45	8.13	7.5	7.93	0.87	175.4	6.30	29.6	200
50	8.44	7.5	7.94	0.87	175.2	5.76	37.4	200
55	8.66	7.5	7.93	0.87	175.1	5.49	36.5	200
60	8.84	7.5	7.94	0.87	174.5	5.36	36.0	175
65	8.95	~~7.8~~ 7.2	7.95	0.87	175.3	4.97	35.3	175
70	9.15	7.3	7.96	0.87	174.8	4.72	28.0	175
75	~~9.20~~ 9.45	7.7	7.95	0.88	174.0	4.20	28.2	175
80	9.60	8.1	7.98	0.88	173.5	4.57	28.2	175
85	9.76	8.2	7.98	0.89	173.3	4.38	31.6	175
88	9.84	8.1	7.98	0.88	173.5	4.20	30.9	175
91	9.90	8.1	7.98	0.88	173.1	4.20	31.9	175

End Purge Time: 1445

Water sample:
Time collected: 1450

Total volume of purged water removed: ~4.5 gals

Physical appearance at start
- Color: clear
- Odor: no odor
- Sheen/Free Product: none

Physical appearance at sampling
- Color: clear
- Odor: none
- Sheen/Free Product: none

Field Test Results:
- Dissolved ferrous iron: NA
- Dissolved total iron: 1
- Dissolved total manganese:

Analytical Parameters: MW-25-030211

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOC	40mL VOA	3	NO	HCl	NA

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/2/21 | Personnel: MAL | Weather: 10° F, sunny
Name: Whitehorse Dry Cleaners | Evacuation Method: Peristaltic Pump | Well #: MW-21
Site Location: Whitehorse, NV | Sampling Method: Low Flow | Project #: 194Op0088

Well Information:

Depth of Well *	13.8	ft.
Depth to Water *	9.36	ft.
Length of Water Column	4.44	ft.
Depth to Intake *	~12	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 13:45

Elapsed Time (min)	Depth To Water (ft)	Temperature (celsius) 10.0%	pH 0.1	Conductivity (ms/cm) 3%	Oxidation Reduction Potential 10 mV	Dissolved Oxygen (mg/l) 10%	Turbidity (NTU) 10%	Flow Rate (ml/min). 100-500 ml/min
0	9.36	7.9	7.69	1.17	37.6	1.05	18.9	200
5	9.60	9.1	7.75	1.20	-22.8	1.15	7.11	200
10	9.68	8.6	7.78	1.19	-62.3	1.19	8.32	200
15	9.68	8.7	7.76	1.17	-62.3	1.58	7.81	200
20	9.68	8.9	7.75	1.16	-56.6	1.72	9.33	200
25	9.68	8.8	7.74	1.16	-50.3	1.96	10.31	200
30	9.7	9.2	7.74	1.15	-43.1	2.10	9.83	200
35	9.7	8.7	7.73	1.15	-41.0	2.24	8.29	200
40	9.7	8.7	7.71	1.14	-34.3	2.35	7.24	200
45	9.7	8.7	7.70	1.14	-32.3	2.46	8.33	200

End Purge Time: 14:30

Water sample:
Time collected: 14:40

Physical appearance at start
Color: clear
Odor: None
Sheen/Free Product: None

Total volume of purged water removed: 3 gall

Physical appearance at sampling
Color: clear
Odor: None
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron: NA
Dissolved total iron: -
Dissolved total manganese:

Analytical Parameters: MW-21-030221 DUP-1-030221

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40mL VOA	6	No	HCl	NA

5/16/2011

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/2/21 | Personnel: MAZ | Weather: 9°F, Sunny
Site Name: Whitehall Mill Channel | Evacuation Method: Peristaltic Pump | Well #: MW-17
Site Location: Whitehall, NY | Sampling Method: Low Flow | Project #: 194000088

Well Information:

Depth of Well *	14.82	ft.
Depth to Water *	7.22	ft.
Length of Water Column	7.62	ft.
Depth to Intake *	~10.1	ft.

* Measurements taken from
- [X] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 11:50

Elapsed Time (min)	Depth To Water (ft)	Temperature (celsius) 10.0%	pH 0.1	Conductivity (ms/cm) 3%	Oxidation Reduction Potential 10 mV	Dissolved Oxygen (mg/l) 10%	Turbidity (NTU) 10%	Flow Rate (ml/min). 100-500 ml/min
0	7.2	8.4	6.96	8.72	67.5	1.20	42.8	250
5	7.25	9.5	7.07	8.87	55.9	0.57	14.6	250
10	7.25	8.6	7.09	8.99	44.2	0.31	12.1	250
15	7.25	9.0	7.10	8.98	37.8	0.24	13.7	250
20	7.25	8.9	7.12	8.95	32.4	0.32	12.8	250
25	7.25	8.4	7.12	8.98	31.7	0.29	10.8	250
30	7.25	7.7	7.13	8.98	28.7	0.19	9.6	250
35	7.25	7.9	7.13	9.00	25.4	0.17	10.2	250
40	7.25	8.2	7.13	8.99	24.7	0.14	11.6	250
45	7.25	7.9	7.13	8.96	24.5	0.15	9.7	250
50	7.25	8.3	7.11	8.94	24.6	0.15	8.6	250

End Purge Time: 12:40

Water sample:
Time collected: 12:45

Total volume of purged water removed: 2 gall

Physical appearance at start
Color: Clear
Odor: None
Sheen/Free Product: None

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron: NA
Dissolved total iron: ↓
Dissolved total manganese: ↓

Analytical Parameters: MW-17 - 030221

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40 mL VOA	3	No	HCl	NA

5/16/2011

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/2/21 | Personnel: MAT | Weather: 10°F, sunny
Name: Whitehorse Dry Crowd | Evacuation Method: Peristaltic Pump | Well #: MW-26
Site Location: Whitehorse, NV | Sampling Method: Low Flow | Project #: 1940100088

Well Information:

Depth of Well *	13.82	ft.
Depth to Water *	5.90	ft.
Length of Water Column	7.92	ft.
Depth to Intake *	9.1	ft.

* Measurements taken from
- [X] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 10:20

		10.0%	0.1	3%	10 mV	10%	10%	100-500 ml/min
Elapsed Time (min)	Depth To Water (ft)	Temperature (celsius)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	5.9	6.3	7.73	1.69	224.7	9.69	22.2	200
5	6.2	5.7	7.81	1.55	219.0	9.41	15.2	200
10	6.5	5.7	7.83	1.54	219.6	9.25	12.3	200
15	6.5	5.5	7.80	1.54	219.9	9.22	12.1	200
20	6.5	5.5	7.81	1.54	220.8	9.15	11.0	200
25	6.5	5.6	7.80	1.55	225.4	9.09	10.5	200
30	6.5	5.6	7.83	1.55	223.7	8.95	9.2	200
35	6.5	6.0	7.86	1.54	222.2	8.53	10.9	200
40	6.5	6.2	7.87	1.54	222.3	8.61	7.8	200

End Purge Time: 11:20

Water sample:
Time collected: 11:10

Physical appearance at start
Color: clear
Odor: None
Sheen/Free Product: None

Total volume of purged water removed: 20 gall

Physical appearance at sampling
Color: clear
Odor: None
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron: NA
Dissolved total iron: 1
Dissolved total manganese: 1

Analytical Parameters: MW-26-030221

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40 ml VOA	3	NO	HCl	NA

5/16/2011

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/2/21 | Personnel: MB, EW, MAZ | Weather: 9°F, SUNNY
Site Name: Whitehall DPW (former) | Evacuation Method: Peristaltic PUMP | Well #: MW-24
Site Location: WHITEHALL, NY | Sampling Method: LOW FLOW | Project #: 194400088

Well Information:

Depth of Well *	12.32	ft.
Depth to Water *	6.52	ft.
Length of Water Column	5.9	ft.
Depth to Intake *	5.82	ft.

* Measurements taken from
- [X] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 1515

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	6.52	4.6	7.59	4.36	57.0	2.69	53.4	200
5	6.98	6.7	7.30	4.67	54.0	3.02	38.2	200
10	7.0	6.2	7.61	4.50	61.5	4.34	34.7	200
15	7.0	5.6	7.60	4.13	47.1	4.75	26.9	200
20	7.0	5.5	7.58	3.83	11.9	4.41	11.8	200
25	7.0	5.2	7.59	3.66	-15.4	3.70	3.90	200
30	7.0	5.3	7.61	3.54	-24.4	3.05	2.60	200
35	7.0	5.3	7.60	3.46	-31.7	3.16	1.99	200
40	7.0	5.3	7.53	3.28	-34.3	3.15	1.15	200
45	7.0	5.4	7.56	3.29	-36.4	3.26	1.03	200
50	7.0	5.5	7.59	3.18	-36.4	3.76	0.27	200
55	7.0	5.3	7.57	3.15	-39.5	2.69	0.73	200
60	7.0	5.3	7.79	3.11	-41.0	2.14	0.07	200

End Purge Time: 1615

Water sample:
Time collected: 1620

Physical appearance at start
- Color: translucent brown
- Odor: no odor
- Sheen/Free Product: none

Total volume of purged water removed: 3 gal

Physical appearance at sampling
- Color: clear
- Odor: no odor
- Sheen/Free Product: none

Field Test Results:
- Dissolved ferrous iron: NA
- Dissolved total iron:
- Dissolved total manganese:

Analytical Parameters: MW-24-030221

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40mL VOA	3	NO	HCl	NA

5/16/2011

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/3/11 | Personnel: MATT MERCL | Weather: 15° F, sunny

Site Name: Whiteface Dry Clean | Evacuation Method: Peristaltic Pump | Well #: MW-7

Site Location: Whiteface, NY | Sampling Method: LOW FLOW | Project #: 1940100048

Well Information:

Depth of Well *	14.45	ft.
Depth to Water *	9.50	ft.
Length of Water Column	4.95	ft.
Depth to Intake *	10.45	ft.

* Measurements taken from: [X] Top of Well Casing; [ ] Top of Protective Casing; [ ] (Other, Specify)

Start Purge Time: 9:15

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min).
0	9.50	9.6	7.24	5.14	237.5	6.85	3.01	275
5	10.05	9.1	7.21	5.11	235.3	5.80	2.18	200
10	10.34	9.0	7.25	5.11	227.4	4.62	1.47	206
15	10.54	9.0	7.23	5.65	232.8	2.66	8.08	160
20	10.82	8.6	7.24	5.87	235.7	2.29	4.90	160
25	11.10	8.4	7.25	5.66	234.6	2.43	2.58	160
30	11.39	8.5	7.25	5.72	233.1	2.17	2.04	160
35	11.70	8.7	7.26	5.78	229.5	1.78	2.55	160
40	12.02	8.9	7.27	5.78	220.6	1.58	2.80	160
45	12.20	9.0	7.30	5.81	213.1	3.61	87.1	160
50	12.30	9.2	7.27	5.88	222.8	1.66	30.0	160
55	12.10	9.0	7.27	5.86	224.1	1.34	16.4	160
60	13.25	9.1	7.29	5.61	217.5	1.81	81.6	160

End Purge Time: 10:20

Water sample:
Time collected: 1245

Physical appearance at start
Color: clear
Odor: no odor
Sheen/Free Product: none

Total volume of purged water removed: 3 gal

Physical appearance at sampling
Color: cloudy brown
Odor: no odor
Sheen/Free Product: none

Field Test Results:
Dissolved ferrous iron: NA
Dissolved total iron:
Dissolved total manganese:

Unable to stabalize water level at low flow rates. After 60 min., turned up flow rate and purged well dry.

Analytical Parameters: MW-7-030324

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40 mL VOA	3	NO	HCl	NA

* lowered intake
** intake at ~14 ft

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/31/21 | Personnel: MAZ | Weather: 25°, cloudy
Site Name: Watkins Glen | Evacuation Method: Peristaltic Pump | Well #: B-9NW/MW-1
Site Location: Watkins, NY | Sampling Method: Low Flow | Project #: 1940100087

Well Information:

Depth of Well *	~14	ft.
Depth to Water *	7.15	ft.
Length of Water Column	6.85	ft.
Depth to Intake *	~14 bottom	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 10:35

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 ml/min Flow Rate (ml/min)
0	7.15	7.4	7.38	10.33	227.7	4.08	73.2	200
5	7.50	7.3	7.28	10.35	227.7	4.04	40.7	175
10	7.55	7.3	7.24	10.27	227.0	3.94	20.3	175
15	7.55	7.4	7.23	10.24	226.5	3.92	13.4	175
20	7.55	7.5	7.22	10.18	225.8	3.91	10.48	175
25	7.55	7.5	7.21	10.16	225.2	3.93	7.19	175
30	7.55	7.8	7.20	9.98	224.2	3.80	6.22	175
35	7.55	7.8	7.19	9.94	223.7	3.69	5.18	175
40	7.55	7.7	7.19	9.92	223.1	3.62	2.64	175

End Purge Time: 11:15

Water sample:
Time collected: 11:20

Total volume of purged water removed: ~2.5 gall

Physical appearance at start
Color: opaque brown
Odor: None
Sheen/Free Product: None

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Field Test Results:
Dissolved ferrous iron: NA
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters: B-9NWMW-1-030321

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOC	40ml VOA	3	NO	HCl	NA

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/3/21 | Personnel: MEB, MMZ | Weather: 25° F, cloudy
Site Name: Whitehall, NY | Evacuation Method: Peristaltic Pump | Well #: MW-9
Site Location: Mallsburg, NY | Sampling Method: Low Flow | Project #: 1940100081

Well Information:

Depth of Well *	14.52	ft.
Depth to Water *	8.58	ft.
Length of Water Column	5.94	ft.
Depth to Intake *	10.5	ft.

* Measurements taken from
- [X] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 6:30

Elapsed Time (min)	Depth To Water (ft)	Temperature (celsius) 10.0%	pH 0.1	Conductivity (ms/cm) 3%	Oxidation Reduction Potential 10 mV	Dissolved Oxygen (mg/l) 10%	Turbidity (NTU) 10%	Flow Rate (ml/min). 100-500 ml/min
0	8.80	9.2	7.34	13.32	-96.1	0.33	19.7	225
5	8.96	8.9	7.28	12.78	-89.5	0.35	36.7	180
10	8.93	8.6	7.29	12.09	-81.5	1.14	17.5	180
15	9.00	8.6	7.29	11.74	-72.9	2.02	4.95	180
20	9.00	8.5	7.25	11.47	-73.2	3.20	2.11	200
25	9.00	8.4	7.29	11.26	-79.4	1.75	2.03	200
30	9.06	8.4	7.30	11.15	-75.2	1.62	1.65 1.54	200
35	9.00	8.4	7.31	11.02	-74.6	1.58		

End Purge Time: 11:25

Water sample:
Time collected: 11:30
Physical appearance at start
Color: Slightly cloudy
Odor: no odor
Sheen/Free Product: none

Total volume of purged water removed: ~3 gals
Physical appearance at sampling
Color: clear
Odor: Slight gasoline like odor
Sheen/Free Product: none

Field Test Results:
Dissolved ferrous iron: NA
Dissolved total iron:
Dissolved total manganese:

Analytical Parameters: MW-9-030321

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40mL VOA	3	NC	HCl	NA

5/16/2011

i:\71\Division\admin\forms\lowflowlog

Scanned with CamScanner

Low Flow Ground Water Sampling Log

Date: 3/2/21 | Personnel: MTB, ECL | Weather: 25°F, Cloudy
Site Name: Watershed Sanitary | Evacuation Method: Peristaltic Pump | Well #: MW-15
Site Location: Aztec, NM | Sampling Method: Low Flow | Project #: 471010088

Well Information:

Depth of Well *	14.72	ft.
Depth to Water *	8.76	ft.
Length of Water Column	5.96	ft.
Depth to Intake *	~10.7	ft.

* Measurements taken from
- X Top of Well Casing
- Top of Protective Casing
- (Other, Specify)

Start Purge Time: 1145

Elapsed Time (min)	Depth To Water (ft)	10.0% Temperature (celsius)	0.1 pH	3% Conductivity (ms/cm)	10 mV Oxidation Reduction Potential	10% Dissolved Oxygen (mg/l)	10% Turbidity (NTU)	100-500 mV/min Flow Rate (ml/min).
0	8.76	9.5	6.79	4.90	75.5	1.79	5.15	250
5	9.02	9.4	6.77	4.92	79.0	1.71	5.05	210
10	9.02	9.3	6.72	4.93	93.8	1.68	2.97	210
15	9.02	9.3	6.71	4.96	101.0	1.70	2.88	210
20	9.02	9.3	6.70	4.96	106.5	1.69	3.13	210
25	9.02	9.1	6.70	4.97	111.5	1.65	1.95	210
30	9.02	9.3	6.69	4.98	115.6	1.68	1.92	210
35	9.02	9.0	6.69	5.00	119.1	1.69	1.51	210
40	9.02	9.0	6.69	4.99	121.3	1.71	1.93	210
45	9.02	8.9	6.69	5.01	122.8	1.77	1.69	210

End Purge Time: MTB ~~1225~~ 1230

Water sample: MTB ~~1227~~ Time collected: 1235

Total volume of purged water removed: ~2.5 gals

Physical appearance at start
- Color: Clear
- Odor: None
- Sheen/Free Product: None

Physical appearance at sampling
- Color: Clear
- Odor: None
- Sheen/Free Product: None

Field Test Results:
- Dissolved ferrous iron: NA
- Dissolved total iron:
- Dissolved total manganese:

Analytical Parameters: MW-15-030321

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs	40mL VOA	3	NO	HCl	NA

MTB

5/16/2011

Scanned with CamScanner

Standard Ground Water Sampling Log

Date 3/4/21
Site Name Watervliet Dry Cleaners
Location Watervliet, NY
Project No. 194010088
Personnel MG, MAR

Weather 25° F, cloudy
Well # B-RNWMW-3
Evacuation Method Bailer
Sampling Method Standard

Well Information:

Depth of Well *	11.7	ft.
Depth to Water *	8.09	ft.
Length of Water Column	3.61	ft.
Volume of Water in Well	0.15	gal.(s)
3X Volume of Water in Well	0.45	gal.(s)

Water Volume /ft. for:
- ___ 2" Diameter Well = 0.163 X LWC
- ___ 4" Diameter Well = 0.653 X LWC
- ___ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling ~0.15 gal.(s)
Did well go dry? Yes

* Measurements taken from [Y] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard		1413 S Standard	
10.0 Standard			

Water parameters:

	Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm	Turbidity Readings Ntu
initial	0	8.4	7.46	15.7 / 15.86	57.7
	0.15	Well went dry at 8:56			
	0.30				
	0.45				

Water Sample:
Time Collected 0940

Physical Appearance at Start		Physical Appearance at Sampling	
Color	opaque dark grey	Color	dark grey
Odor	None	Odor	none
Turbidity (> 100 NTU)	57.7	Turbidity (> 100 NTU)	No → low NTU
Sheen/Free Product	Yes, slight oil like sheen	Sheen/Free Product	slight sheen

Samples collected: B-19MMW-3

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40mL	glass VOA	3	No	HCl	NA

Notes: Well allowed to recover before sampling

Scanned with CamScanner

November 2022

RAMBOLL

Low Flow Groundwater Sampling Log

Well ID: MW-19
Northing: 1139489.413
Easting: 1164691.396

Site Name: Whitesboro Dry Cleaners | Sampling Method: Low Flow | Field Personnel: KMA
Site Location: Whitesboro, NY | Equipment Used: GeoPump (peristaltic) | Date: 11/22/2022
Project #: 1940100088 | Pump/Controller ID#: 44411 | Weather: 31-42°F, Cloudy

Well information:

Installed Depth of Well*: NA ft. bmp.
Measured Depth of Well*: 13.76 ft. bmp.
Depth to Water*: 7.79 ft. bmp.
Length of Water Column (LWC): 5.97 ft.
Well Diameter: 2.0 in.

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
	4 in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

Measurement Point*: Top of Well Casing
MP Notes:
Well Volume: 1.0 gal.
Pump Intake Depth*: 9.2 ft. bmp.

Start Purge Time: 8:20

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
Select Units from Dropdown Menus									
0	7.79	14.1	7.47	2238	-7.8	3.27	14.4	300	
5	8.19	15.1	7.31	2226	-10.1	2.57	13.2	250	
10	8.29	14.9	7.24	2105	-10.9	1.71	4.82	220	
15	8.37	14.9	7.19	1997	-11.9	1.23	2.14	220	
20	8.46	14.9	7.21	1946	-14.1	0.87	1.09	220	
25	8.62	15.0	7.19	1893	-16.7	0.76	1.26	220	
30	8.71	15.1	7.17	1842	-18.4	0.69	1.21	220	
35	8.81	15.1	7.16	1803	-19.4	0.69	1.44	220	
40	8.89	15.0	7.15	1788	-19.6	0.71	1.46	220	
45	8.93	15.0	7.15	1778	-19.3	0.72	1.51	220	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 9:05 DO Titrataion: NA mg/L

Total volume of groundwater purged: 2.5 gal.

Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: MW-19-112222 **Date:** 11/22/2022 **Time:** 9:15

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	2	No	HCl	Pace Analytical
250 ml	Amber Glass	1	No	H3PO4	Pace Analytical
250 ml	Polyethylene	1	Yes	HNO3	Pace Analytical
250 ml	Polyethylene	1	Yes	None	Pace Analytical
500 ml	Polyethylene	1	No	None	Pace Analytical
250 ml	Polyethylene	1	No	ZnAc + NaOH	Pace Analytical
250 ml	Polyethylene	1	No	None	Pace Analytical
40 ml	Clear VOA	2	No	HCl	Pace Analytical
1 liter	Polyethylene	3	No	None	SIREM

Notes: **FD collected here (FD-112222)**

Low Flow Groundwater Sampling Log

Well ID:	MW-20
Northing:	1139506.295
Easting:	1164722.339

Site Name:	Whitesboro Dry Cleaners	Sampling Method:	Low Flow	Field Personnel:	KMA
Site Location:	Whitesboro, NY	Equipment Used:	GeoPump (peristaltic)	Date:	11/22/2022
Project #:	1940100088	Pump/Controller ID#:	44411	Weather:	31-42°F, Cloudy

Well information:

Installed Depth of Well*:	NA	ft. bmp.
Measured Depth of Well*:	14.45	ft. bmp.
Depth to Water*:	7.07	ft. bmp.
Length of Water Column (LWC):	7.38	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
	4 in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

Measurement Point*:	Top of Well Casing	
MP Notes:		
Well Volume:	1.2	gal.
Pump Intake Depth*:	9.9	ft. bmp.

Start Purge Time: 9:55

Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Celsius*	pH *SU*	Specific Conductivity *µS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
Select Units from Dropdown Menus									
0	7.29	16.2	7.05	2073	-9.3	2.22	9.20	350	
5	7.71	15.8	7.00	1153	-1.3	4.38	9.87	200	
10	7.83	15.9	6.91	3880	-3.3	1.04	9.56	200	
15	7.95	15.6	7.00	1957	-3.6	3.27	8.90	200	
20	8.07	15.8	6.96	1557	0.9	3.41	6.83	200	
25	8.18	15.7	6.95	1567	3.5	3.21	5.79	200	
30	8.29	15.9	6.94	1752	4.1	2.79	3.86	200	
35	8.42	15.9	6.94	1848	3.9	2.4	2.74	200	
40	8.53	16.0	6.93	2115	3.1	2.01	2.14	200	
45	8.63	15.9	6.94	2249	1.5	1.82	1.75	200	
50	8.72	15.8	6.93	2438	-0.1	1.69	1.56	200	
55	8.81	15.9	6.93	2453	-1.7	1.65	1.28	200	
60	8.88	15.8	6.94	2492	-1.8	1.72	1.19	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 10:55 DO Titrataion: NA mg/L

Total volume of groundwater purged: 3 gal.

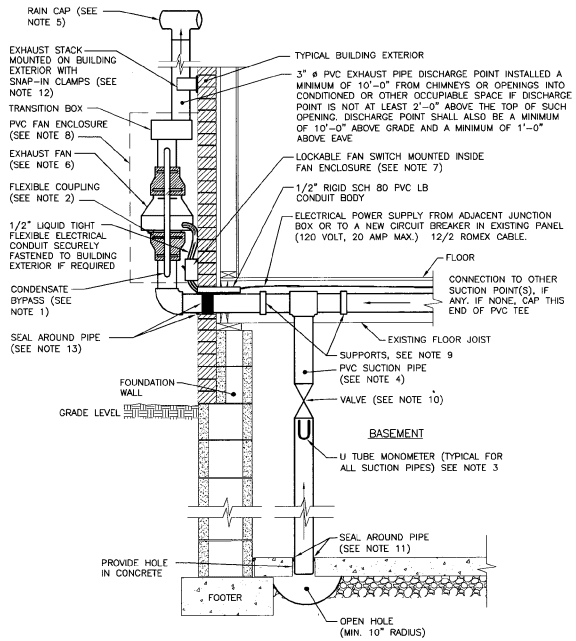
Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Analytical Sample ID: MW-20-112222 **Date:** 11/22/2022 **Time:** 11:05

Container Size	Container Type	Qty Collected	Field Filtered?	Preservative	Laboratory
40 ml	Clear VOA	2	No	HCl	Pace Analytical
250 ml	Amber Glass	1	No	H3PO4	Pace Analytical
250 ml	Polyethylene	1	Yes	HNO3	Pace Analytical
250 ml	Polyethylene	1	Yes	None	Pace Analytical
500 ml	Polyethylene	1	No	None	Pace Analytical
250 ml	Polyethylene	1	No	ZnAc + NaOH	Pace Analytical
250 ml	Polyethylene	1	No	None	Pace Analytical
40 ml	Clear VOA	2	No	HCl	Pace Analytical
1 liter	Polyethylene	3	No	None	SIREM

Notes: **MS/MSD collected here**

APPENDIX I
SSDS DESIGN DRAWINGS

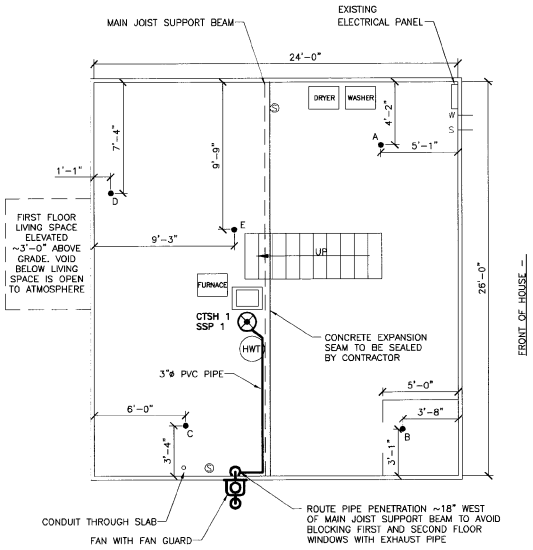


TYPICAL BASEMENT SECTION

NOT TO SCALE

SECTION NOTES:

1. RCI #FG-33 FAN GUARD KIT (CONDENSATE BYPASS) OR EQUAL. (1-REQUIRED)
2. RCI #B-106-43 FLEXIBLE PVC COUPLING WITH STAINLESS STEEL CLAMPS OR EQUAL. (3.0"x6.0", 2-REQUIRED).
3. RCI #MU-93 MANOMETER OR EQUAL, INSTALL IN THE SUCTION PIPE RISER. (1-REQUIRED)
4. PVC PIPE IS DUAL RATED DWV/SCH. 40 WITH DWV FITTINGS. ALL PIPING SHALL BE INSTALLED WITH CLEAR LOW VOLATILE ORGANIC COMPOUND (VOC) GLUE AND PRIMER (IPS OR HERCULES).
5. RCI RAIN CAP #RC40-3 OR EQUAL. (1-REQUIRED)
6. RADONAWAY GP-501 FAN OR EQUAL. FAN TO BE WIRED FROM A 115-120 VAC SUPPLY. THE FAN DRAWS A MAXIMUM OF 140 WATTS MAXIMUM. TEST LOAD CIRCUIT PRIOR TO INSTALLATION OF FAN. (1-REQUIRED)
7. PROVIDE MOTOR RATED WEATHER PROOF SWITCH, 2 HP MAX., 1 PHASE, 2 POLE LEVITON CAT. #MS302 WITH LOCKABLE COVER PLATE CAT. #N3302 OR EQUAL. PROVIDED STEEL SINGLE GANG DEVICE BOX. ALL WORK CONDUCTED IN ACCORDANCE WITH THE NATIONAL ELECTRIC AND LOCAL CODES. (1-REQUIRED)
8. RCI #WFH89 FAN ENCLOSURE OR EQUAL (INCLUDING BASE PLATE, TRANSITION BOX, AND WHITE HOUSING). (1-REQUIRED)
9. CONTRACTOR SHALL SECURE EQUIPMENT AND PIPING TO MINIMIZE ANY MOVEMENT. HORIZONTAL PIPE RUNS SHALL BE SUPPORTED EVERY 6 FEET (MAXIMUM) OR AS REQUIRED WITH "J" HOOKS (RCI #HT-4), STRAPS OR EQUAL AND SHALL BE SLOPED TOWARD THE SUCTION HOLE IN FLOOR. VERTICAL PIPE RUNS SHALL BE SUPPORTED EVERY 8 FEET (MAXIMUM) OR AS REQUIRED.
10. VALTERRA BLADEX VALVE #6401 OR EQUAL. (1-REQUIRED)
11. GEOCEL 3300 POLYURETHANE SEALANT OR EQUAL AROUND PIPE OPENING.
12. RCI #SIC-04 SNAP-IN CLAMPS OR EQUAL MOUNTED TO THE EXTERIOR WALL. EVERY 8 FT. (MAXIMUM) OR AS REQUIRED.
13. WRAP PIPE WITH EPDM, BACKER ROD OR EQUAL WHERE PIPE PENETRATES THE BUILDING TO REDUCE VIBRATION. SEAL PENETRATION WITH GEOCEL 3300 POLYURETHANE SEALANT, EXPANDING FOAM OR EQUAL.



BASEMENT FLOOR PLAN

BASEMENT AREA – 624 SQ. FT.

PLAN NOTES:

1. DIMENSIONS AND INSTALLATION LOCATIONS SHOWN ON FIGURE ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR.
2. CONTRACTOR SHALL GROUT AND/OR SEAL ALL MAJOR VISIBLE CRACKS AND OPENINGS IN FLOOR OR WALLS THAT WOULD IMPAIR SYSTEM PERFORMANCE.
3. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL TIE-IN LOCATION.
4. ALL WORK TO BE IN GENERAL CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF HEALTH'S GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK (OCTOBER 2006).

LEGEND

- S — SEWER
- Ⓢ — SEWER THROUGH SLAB
- G — NATURAL GAS
- W — WATER
- HVAC — HVAC DUCT
- C — PIPE/DUCT DOWN
- O — PIPE/DUCT UP
- EXISTING WALL
- WINDOW
- DOOR
- STAIRWAY
- HWT — HOT WATER TANK
- CHIMNEY
- J — JUNCTION BOX
- A — VACUUM MONITORING ALARM
- CIRCUIT BREAKER PANEL
- SUMP PUMP
- FD ▫ — FLOOR DRAIN (FD)
- COMMUNICATION TEST SUCTION HOLE (CTSH)
- COMMUNICATION TEST SUCTION HOLE AND SYSTEM SUCTION POINT
- SYSTEM SUCTION POINT (SSP)
- COMMUNICATION TEST POINT (CTP)
- PROPOSED EXHAUST RISER PIPE
- PROPOSED EXHAUST PIPE

COMMUNICATION TEST RESULTS

	DESIGN	IC/OC
TEST POINT LOCATION	SUB-SLAB VACUUM READING (INCHES WATER)	SUB-SLAB VACUUM READING (INCHES WATER)
CTSH#1-A	-0.031	
1-B	-0.076	
1-C	-0.035	
1-D	-0.017	
1-E	-0.110	



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IN CHARGE OF DYW
DESIGNED BY EMA CHECKED BY EMA
DRAWN BY EMA

2 0 2 4 6 8 10

NO.	DATE	REVISION	INIT.
1		ISSUED FOR PERMIT APPROVAL	
0		ISSUED FOR HOMEOWNER APPROVAL	

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SYRACUSE, NY 13221
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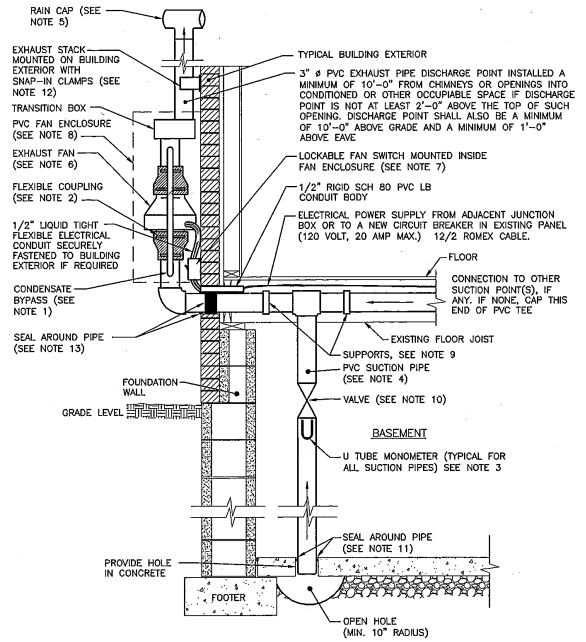
NYSDEC
FORMER WHITESBORO DRY CLEANING SITE
VAPOR INTRUSION PROGRAM

SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN
341W
WHITESBORO, NY

FILE NO. 8653.49631-002
DATE APRIL 2013

1 OF 1

I:\Parsons-Eng.8653\49631.Whitesboro-Dry\N-D\2013 VI Designs\
Plot Date: 04/09/13

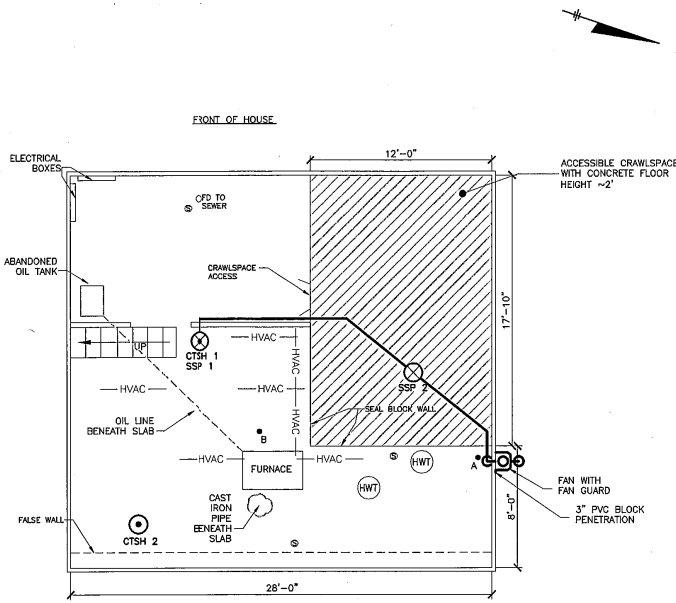


TYPICAL BASEMENT SECTION

NOT TO SCALE

SECTION NOTES:

1. RCI #FG-33 FAN GUARD KIT (CONDENSATE BYPASS) OR EQUAL. (1-REQUIRED)
2. RCI #B-108-43 FLEXIBLE PVC COUPLING WITH STAINLESS STEEL CLAMPS OR EQUAL, (3.0"x6.0", 2-REQUIRED).
3. RCI #MU-93 MANOMETER OR EQUAL, INSTALL IN THE SUCTION PIPE RISER. (1-REQUIRED)
4. PVC PIPE IS DUAL RATED DWV/SCH. 40 WITH DWV FITTINGS. ALL PIPING SHALL BE INSTALLED WITH CLEAR LOW VOLATILE ORGANIC COMPOUND (VOC) GLUE AND PRIMER (IPS OR HERCULES).
5. RCI RAIN CAP #RC40-3 OR EQUAL. (1-REQUIRED)
6. RADONAWAY GP-501 FAN OR EQUAL. FAN TO BE WIRED FROM A 115-120 VAC SUPPLY. THE FAN DRAWS A MAXIMUM OF 140 WATTS MAXIMUM. TEST LOAD CIRCUIT PRIOR TO INSTALLATION OF FAN. (1-REQUIRED)
7. PROVIDE MOTOR RATED WEATHER PROOF SWITCH, 2 HP MAX., 1 PHASE, 2 POLE LEVITON CAT. #MS302 WITH LOCKABLE COVER PLATE CAT. #N3302 OR EQUAL. PROVIDED STEEL SINGLE GANG DEVICE BOX. ALL WORK CONDUCTED IN ACCORDANCE WITH THE NATIONAL ELECTRIC AND LOCAL CODES. (1-REQUIRED)
8. RCI #WFH89 FAN ENCLOSURE OR EQUAL (INCLUDING BASE PLATE, TRANSITION BOX, AND WHITE HOUSING). (1-REQUIRED)
9. CONTRACTOR SHALL SECURE EQUIPMENT AND PIPING TO MINIMIZE ANY MOVEMENT. HORIZONTAL PIPE RUNS SHALL BE SUPPORTED EVERY 6 FEET (MAXIMUM) OR AS REQUIRED WITH "J" HOOKS (RCI #HT-4). STRAPS OR EQUAL AND SHALL BE SLOPED TOWARD THE SUCTION HOLE IN FLOOR. VERTICAL PIPE RUNS SHALL BE SUPPORTED EVERY 8 FEET (MAXIMUM) OR AS REQUIRED.
10. VALTERRA BLADEX VALVE #6401 OR EQUAL. (2-REQUIRED)
11. GEOCEL 3300 POLYURETHANE SEALANT OR EQUAL AROUND PIPE OPENING.
12. RCI #SIC-04 SNAP-IN CLAMPS OR EQUAL MOUNTED TO THE EXTERIOR WALL. EVERY 8 FT. (MAXIMUM) OR AS REQUIRED.
13. WRAP PIPE WITH EPDM, BACKER ROD OR EQUAL WHERE PIPE PENETRATES THE BUILDING TO REDUCE VIBRATION. SEAL PENETRATION WITH GEOCEL 3300 POLYURETHANE SEALANT, EXPANDING FOAM OR EQUAL.



BASEMENT FLOOR PLAN

BASEMENT AREA = 509 SQ. FT.
ACCESSIBLE CRAWLSPACE AREA = 214 SQ. FT.

PLAN NOTES:

1. DIMENSIONS AND INSTALLATION LOCATIONS SHOWN ON FIGURE ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR.
2. CONTRACTOR SHALL GROUT AND/OR SEAL ALL MAJOR VISIBLE CRACKS AND OPENINGS IN FLOOR OR WALLS THAT WOULD IMPAIR SYSTEM PERFORMANCE.
3. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL TIE-IN LOCATION.
4. ALL WORK TO BE IN GENERAL CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF HEALTH'S GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK (OCTOBER 2006).

LEGEND

- S — SEWER
- (S) — SEWER THROUGH SLAB
- G — NATURAL GAS
- W — WATER
- HVAC — HVAC DUCT
- PIPE/DUCT DOWN
- PIPE/DUCT UP
- EXISTING WALL
- WINDOW
- DOOR
- STAIRWAY
- HWT — HOT WATER TANK
- CHIMNEY
- J — JUNCTION BOX
- A — VACUUM MONITORING ALARM
- CIRCUIT BREAKER PANEL
- SUMP PUMP
- FD — FLOOR DRAIN (FD)
- COMMUNICATION TEST SUCTION HOLE (CTSH)
- COMMUNICATION TEST SUCTION HOLE AND SYSTEM SUCTION POINT
- SYSTEM SUCTION POINT (SSP)
- COMMUNICATION TEST POINT (CTP)
- PROPOSED EXHAUST RISER PIPE
- PROPOSED EXHAUST PIPE

COMMUNICATION TEST RESULTS

	DESIGN	IC/OC
TEST POINT LOCATION	SUB-SLAB VACUUM READING (INCHES WATER)	SUB-SLAB VACUUM READING (INCHES WATER)
CTSH#1-A	0.000	
1-B	-0.008	
1-CTSH#2	0.000	
A-CTSH#2	0.000	
2-B	-0.005	
2-A	0.000	
2-CTSH#1	0.000	

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STATE OF NEW YORK * DOUGLAS M CRAWFORD * 066649 * LICENSED PROFESSIONAL ENGINEER

IN CHARGE OF DYW
DESIGNED BY EMA CHECKED BY EMA
DRAWN BY EMA

2 0 2 4 6 8 10

NO.	DATE	REVISION	INIT.
1		ISSUED FOR PERMIT APPROVAL	
0		ISSUED FOR HOMEOWNER APPROVAL	

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SYRACUSE, NY 13221
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NYSDEC
FORMER WHITESBORO DRY CLEANING SITE
VAPOR INTRUSION PROGRAM

SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN
430W
WHITESBORO, NY

FILE NO. 8653.49631-002
DATE JANUARY 2014

1 OF 1

Plot Date: 04/09/13
I:\Parsons-Eng.8653\49631.Whitesboro-Dry\N-D\2013 VI Designs

APPENDIX J
NYSDEC VI SAMPLE LETTERS

New York State Department of Environmental Conservation
Division of Environmental Remediation
Office of the Director, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706 • **Fax:** (518) 402-9020
Website: www.dec.ny.gov

Joe Martens
Commissioner

February 14, 2013

Susan Gentile
Nazareth Daycare
11 Parkway Drive
Whitesboro, NY 13492

Re: Indoor air/subslab air sample request for [redacted]
Whitesboro Dry Cleaners, State Superfund Project No. 633054
Town of Whitesboro, Oneida County

Dear Ms. Gentile:

The New York State Department of Environmental Conservation (Department) and New York State Department of Health (NYSDOH) are investigating potential contamination associated with the Former Whitesboro Dry cleaning site located at 130 Oriskany Boulevard in Whitesboro, New York. Chemicals used in the dry cleaning industry include the volatile organic compounds tetrachloroethene and trichloroethene. These chemicals have been determined to be present in the soil and groundwater near the site. Vapors from these compounds can intrude into the indoor air of nearby buildings through a process known as soil vapor intrusion. As part of the investigation we are evaluating the indoor air quality of buildings on and near the site. An enclosed fact sheet provides more information about soil vapor.

The Department and NYSDOH would like to collect a couple of samples from your properties located in the [redacted] in Whitesboro, New York to determine if the indoor air has been impacted by dry cleaning chemicals. Typically, samples are collected from the indoor air of the lowest level of the building, and from beneath the foundation slab. In order to collect a "sub-slab" sample, a small hole is drilled through the slab (about ½ inch diameter) and the sample is collected using a vacuum canister. This hole will be repaired immediately following sampling. The sample canisters would be placed in the morning in an unobtrusive area and picked up the next morning. The samples will be collected and analyzed by representatives of O'Brien & Gere, a contractor hired by the Department at no cost to you. Sample results will be provided to you after we receive the validated data, along with a letter explaining the results.

Also included with this letter is a form for you to fill out and return to the Department consenting to the Department's right of entry onto your property to conduct the sampling. The form also asks some basic questions regarding your building. This information will allow the Department and O'Brien & Gere to come prepared and minimize the amount of time spent in your building.

Please call to let us know if you are, or are not agreeable to this sampling. Both the Department project manager, Kiera Thompson, and the NYSDOH project manager, Scarlett McLaughlin, are available to answer any questions you may have regarding this work. Once we

receive your consent form, O'Brien & Gere will contact you directly to schedule a day on which this sampling is convenient for you, to the extent practicable. Please note that in order to collect the most representative samples, collection should occur during the winter heating season (typically November – March) when buildings most likely have windows and doors shut.

Sincerely,

David Crosby, P.E.
Chief, Remedial Section B, Remedial Bureau C
Division of Environmental Remediation

(Enclosures)

For health-related questions:
Scarlett McLaughlin
Public Health Specialist
New York State Department of Health
Bureau of Environmental Exposure Investigation
(518) 402-7860

For project-related questions:
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Engineering Geologist
NYS Department of Environmental Conservation
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Joe Martens
Commissioner

February 14, 2013

Richard Rintrona
2150 Oriskany St W
Utica, NY 13502

Re: Indoor air/subslab air sample request for [redacted]
Whitesboro Dry Cleaners, State Superfund Project No. 633054
Town of Whitesboro, Oneida County

Dear Mr. Rintrona:

The New York State Department of Environmental Conservation (Department) and New York State Department of Health (NYSDOH) are investigating potential contamination associated with the Former Whitesboro Dry cleaning site located at 130 Oriskany Boulevard in Whitesboro, New York. Chemicals used in the dry cleaning industry include the volatile organic compounds tetrachloroethene and trichloroethene. These chemicals have been determined to be present in the soil and groundwater near the site. Vapors from these compounds can intrude into the indoor air of nearby buildings through a process known as soil vapor intrusion. As part of the investigation we are evaluating the indoor air quality of buildings on and near the site. An enclosed fact sheet provides more information about soil vapor.

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Division of Environmental Remediation

(Enclosures)

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Joe Martens
Commissioner

February 14, 2013

Shaun Miller
19 Clinton Street
Whitesboro, NY 13492

Re: Indoor air/subslab air sample request for [redacted]
Whitesboro Dry Cleaners, State Superfund Project No. 633054
Town of Whitesboro, Oneida County

Dear Mr. Miller:

The New York State Department of Environmental Conservation (Department) and New York State Department of Health (NYSDOH) are investigating potential contamination associated with the Former Whitesboro Dry cleaning site located at 130 Oriskany Boulevard in Whitesboro, New York. Chemicals used in the dry cleaning industry include the volatile organic compounds tetrachloroethene and trichloroethene. These chemicals have been determined to be present in the soil and groundwater near the site. Vapors from these compounds can intrude into the indoor air of nearby buildings through a process known as soil vapor intrusion. As part of the investigation we are evaluating the indoor air quality of buildings on and near the site. An enclosed fact sheet provides more information about soil vapor.

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Sincerely,

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Joe Martens
Commissioner

February 14, 2013

Mr. Gary Voss
618 Tesmore Place
Ferguson, MO 63135

Re: Indoor air/subslab air sample request for [redacted]
Whitesboro Dry Cleaners, State Superfund Project No. 633054
Town of Whitesboro, Oneida County

Dear Mr. Voss:

The New York State Department of Environmental Conservation (Department) and New York State Department of Health (NYSDOH) are investigating potential contamination associated with the Former Whitesboro Dry cleaning site located at 130 Oriskany Boulevard in Whitesboro, New York. Chemicals used in the dry cleaning industry include the volatile organic compounds tetrachloroethene and trichloroethene. These chemicals have been determined to be present in the soil and groundwater near the site. Vapors from these compounds can intrude into the indoor air of nearby buildings through a process known as soil vapor intrusion. As part of the investigation we are evaluating the indoor air quality of buildings on and near the site. An enclosed fact sheet provides more information about soil vapor.

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Sincerely,

David A. Crosby

David Crosby, P.E.
Chief, Remedial Section B, Remedial Bureau C
Division of Environmental Remediation

(Enclosures)

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Joe Martens
Commissioner

February 14, 2013

David Cidzik
11 Owens Place
Whitesboro, NY 13492

Re: Indoor air/subslab air sample request for [redacted]
Whitesboro Dry Cleaners, State Superfund Project No. 633054
Town of Whitesboro, Oneida County

Dear Mr. Cidzik:

The New York State Department of Environmental Conservation (Department) and New York State Department of Health (NYSDOH) are investigating potential contamination associated with the Former Whitesboro Dry cleaning site located at 130 Oriskany Boulevard in Whitesboro, New York. Chemicals used in the dry cleaning industry include the volatile organic compounds tetrachloroethene and trichloroethene. These chemicals have been determined to be present in the soil and groundwater near the site. Vapors from these compounds can intrude into the indoor air of nearby buildings through a process known as soil vapor intrusion. As part of the investigation we are evaluating the indoor air quality of buildings on and near the site. An enclosed fact sheet provides more information about soil vapor.

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Sincerely,

David O. Crosby

David Crosby, P.E.
Chief, Remedial Section B, Remedial Bureau C
Division of Environmental Remediation

(Enclosures)

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Joe Martens
Commissioner

February 14, 2013

Susan Cappelli
7 Owens Place
Whitesboro, NY 13492

Re: Indoor air/subslab air sample request for [redacted]
Whitesboro Dry Cleaners, State Superfund Project No. 633054
Town of Whitesboro, Oneida County

Dear Ms. Cappelli:

The New York State Department of Environmental Conservation (Department) and New York State Department of Health (NYSDOH) are investigating potential contamination associated with the Former Whitesboro Dry cleaning site located at 130 Oriskany Boulevard in Whitesboro, New York. Chemicals used in the dry cleaning industry include the volatile organic compounds tetrachloroethene and trichloroethene. These chemicals have been determined to be present in the soil and groundwater near the site. Vapors from these compounds can intrude into the indoor air of nearby buildings through a process known as soil vapor intrusion. As part of the investigation we are evaluating the indoor air quality of buildings on and near the site. An enclosed fact sheet provides more information about soil vapor.

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Sincerely,

David Crosby, P.E.
Chief, Remedial Section B, Remedial Bureau C
Division of Environmental Remediation

(Enclosures)

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Public Health Specialist
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Joe Martens
Commissioner

February 14, 2013

Mark Gillette
1 Owens Place
Whitesboro, NY 13492

Re: Indoor air/subslab air sample request for [redacted]
Whitesboro Dry Cleaners, State Superfund Project No. 633054
Town of Whitesboro, Oneida County

Dear Mr. Gillette:

The New York State Department of Environmental Conservation (Department) and New York State Department of Health (NYSDOH) are investigating potential contamination associated with the Former Whitesboro Dry cleaning site located at 130 Oriskany Boulevard in Whitesboro, New York. Chemicals used in the dry cleaning industry include the volatile organic compounds tetrachloroethene and trichloroethene. These chemicals have been determined to be present in the soil and groundwater near the site. Vapors from these compounds can intrude into the indoor air of nearby buildings through a process known as soil vapor intrusion. As part of the investigation we are evaluating the indoor air quality of buildings on and near the site. An enclosed fact sheet provides more information about soil vapor.

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Joe Martens
Commissioner

February 14, 2013

Christopher Chase
4 Parkway Drive
Whitesboro, NY 13492

Re: Indoor air/subslab air sample request for [redacted]
Whitesboro Dry Cleaners, State Superfund Project No. 633054
Town of Whitesboro, Oneida County

Dear Mr. Chase:

The New York State Department of Environmental Conservation (Department) and New York State Department of Health (NYSDOH) are investigating potential contamination associated with the Former Whitesboro Dry cleaning site located at 130 Oriskany Boulevard in Whitesboro, New York. Chemicals used in the dry cleaning industry include the volatile organic compounds tetrachloroethene and trichloroethene. These chemicals have been determined to be present in the soil and groundwater near the site. Vapors from these compounds can intrude into the indoor air of nearby buildings through a process known as soil vapor intrusion. As part of the investigation we are evaluating the indoor air quality of buildings on and near the site. An enclosed fact sheet provides more information about soil vapor.

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APPENDIX K
AIR SAMPLE SURVEY FORMS

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project # 49631
Project Name Whitesboro Daycleaners VI
Structure Location 334W
PID/FID meter ID PPB Rae # 10704
Sample Duration (Intended) 24 hrs

Date 3/6/13
Collector C. McKenzie / K. Kolwaite

Sample Locations
IA: 334W-IA-030613 → Basement
SS: 334W-SS-030613
SS-Dup: 334W-SSDUP-030613 → Basement (Dup)

Indoor Air Sample	Sub-structure Sample	Circle Sample Type: Indoor Air / SS-DUP / Ambient / IA-DUP
Sample ID 334W-IA-030613	Sample ID 334W-SS-030613	Sample ID 334W-SSDUP-030613
Canister ID 10595	Canister ID 10331	Canister ID 10304
Flow Controller ID 10183	Flow Controller ID 10508	Flow Controller ID 10577
Date/Time start 3/6/13 1402	Date/Time start 3/6/13 1402	Date/Time start 3/6/13 1402
Date/Time end 3/7/13 1339	Date/Time end 3/7/13 1340	Date/Time end 3/7/13 1340
Gauge prior to start 0"	Gauge prior to start 0"	Gauge prior to start 0"
Start Pressure -29.44"	Start Pressure -29.33"	Start Pressure -29.95"
End Pressure 0.00"	End Pressure -4.98"	End Pressure -1.58"
Complete all that apply:	Complete all that apply:	Complete all that apply:
Air temperature (°F) 58°F/51°F	Air temperature (°F) 58°F/51°F	Air temperature (°F) 58°F/51°F
PID/FID reading 0 PPB	PID/FID reading 0 PPB	PID/FID reading 0 PPB
in. tubing used NA	in. tubing used 42"	in. tubing used 42"
Tubing purged? NA	Tubing purged? yes, 21cc	Tubing purged? yes, 21cc
For indoor location:	For indoor location:	For outdoor location:
Noticeable odor * yes, Nat. Gas odor	Noticeable odor * yes, Nat. gas smell	Noticeable odor * yes, Nat. gas odor
Intake height above floor (in) 40"	Floor slab depth 4"	Distance to road (ft) NA
Floor surface type concrete	Intake depth below floor (in) 1/4"	Direction to closest building (degrees) NA
Room basement, unfinished area	Floor surface type concrete	Distance to closest building (ft) NA
Story/level below grade	Room (unfinished area) basement	Intake height above ground level (in) NA
	Story/level below grade	

30.06" Hg / 30.15"

Building Survey and Chemical Inventory Form Completed? yes
Photographs Taken? yes

Comments: * Natural gas odor was observed near furnace unit. OBG notified home owners; checked around furnace with smoke bottle and PPB rae

Analytical method required TO-15 Low-level
Laboratory used Chem Tech

OSR – 3

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Kyle Kdwaite Date/Time Prepared 3/6/13 1330

Preparer's Affiliation O'Brien & Gere Phone No. _____

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: _____ First Name: _____

Address: _____

County: Oneida

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ✓)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	Commercial/Multi-use
Industrial	Church	(Other:) _____

If the property is residential, type? (Circle appropriate response)

(Ranch)	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? NA

Other characteristics:

Number of floors 2 Building age 50-60

Is the building insulated? (Y) / N How air tight? (Tight) / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

No noticible flow between floors

Airflow near source

No noticible flow

Outdoor air infiltration

No noticible outdoor air infiltration

Infiltration into air ducts

None

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	(full)	crawlspace	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	(covered)	covered with Carpet	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with _____	
h. The basement is:	wet	(damp)	dry	moldy
i. The basement is:	(finished)	unfinished	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: 3 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Utility port in closet, light cracking at concrete floor

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	(Other) Pellet Stove

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	(Pellet)

Domestic hot water tank fueled by: Natural Gas

Boiler/furnace located in: (Basement) Outdoors Main Floor Other_____

Air conditioning: Central Air (Window units) (Open Windows) None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

8" ducts

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Bedroom + Laundry
1st Floor	Kitchen, Livingroom, bedrooms
2nd Floor	Bedroom
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When? NA

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?_____

g. Is there smoking in the building? (Y) / N How frequently? Daily - 2nd Floor

h. Have cleaning products been used recently? Y / (N) When & Type?_____

i. Have cosmetic products been used recently? Y (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? (Y)/ N Where & When? Playroom - 1ST floor

k. Is there new carpet, drapes or other textiles? Y (N) Where & When? (Tile in bathroom)

l. Have air fresheners been used recently? (Y)/ N When & Type? Currently - plug in

m. Is there a kitchen exhaust fan? (Y)/ N If yes, where vented? not vented to outside

n. Is there a bathroom exhaust fan? (Y)/ N If yes, where vented? outside

o. Is there a clothes dryer? (Y)/ N If yes, is it vented outside? (Y)/ N

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? (Y)/ N
If yes, please describe: Smoke, Dog, Propane Smell in basement near furnace

Do any of the building occupants use solvents at work? (Y)/ N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? unknown - Mark works for printing (ink) company

If yes, are their clothes washed at work? Y /(N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? Active/Passive (meter on wall)

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

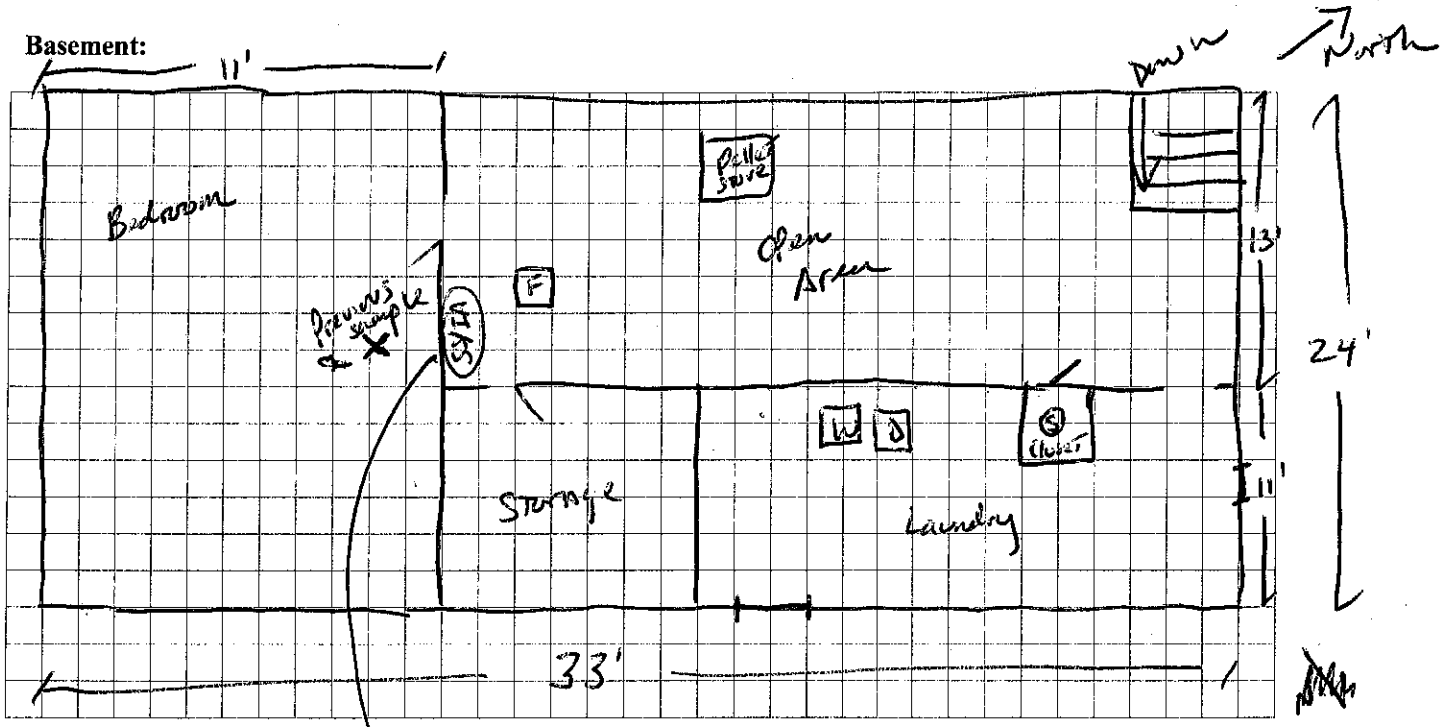
c. Responsibility for costs associated with reimbursement explained? Y / ~~N~~

d. Relocation package provided and explained to residents? ~~Y~~ / N NA

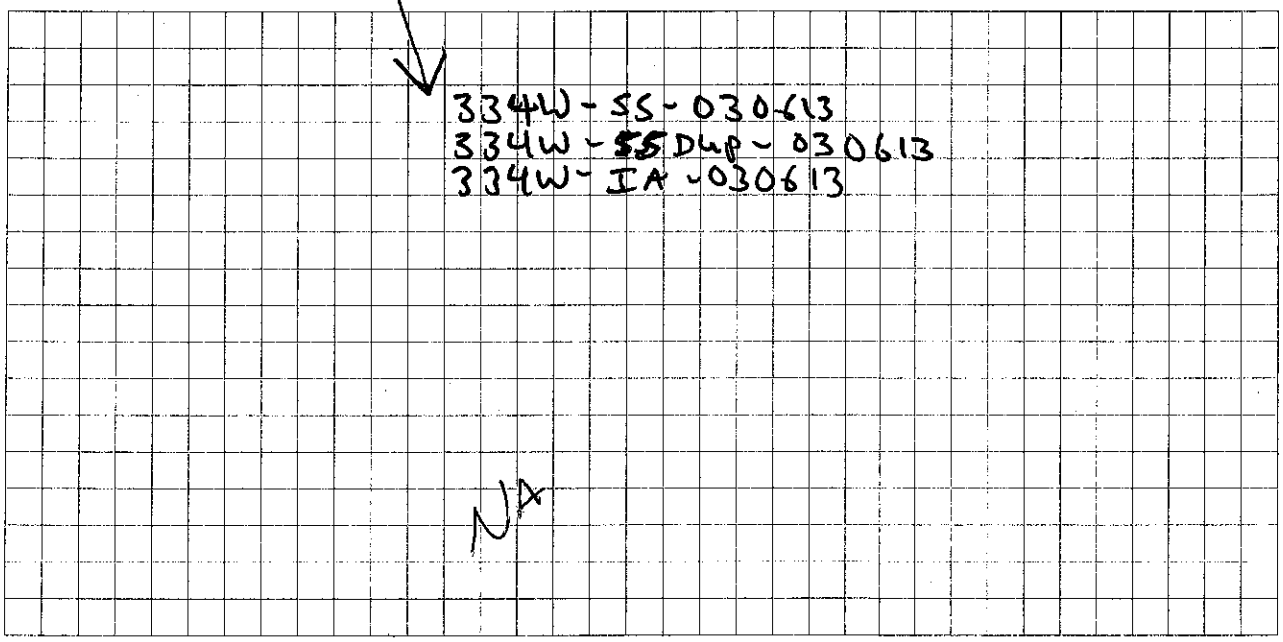
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



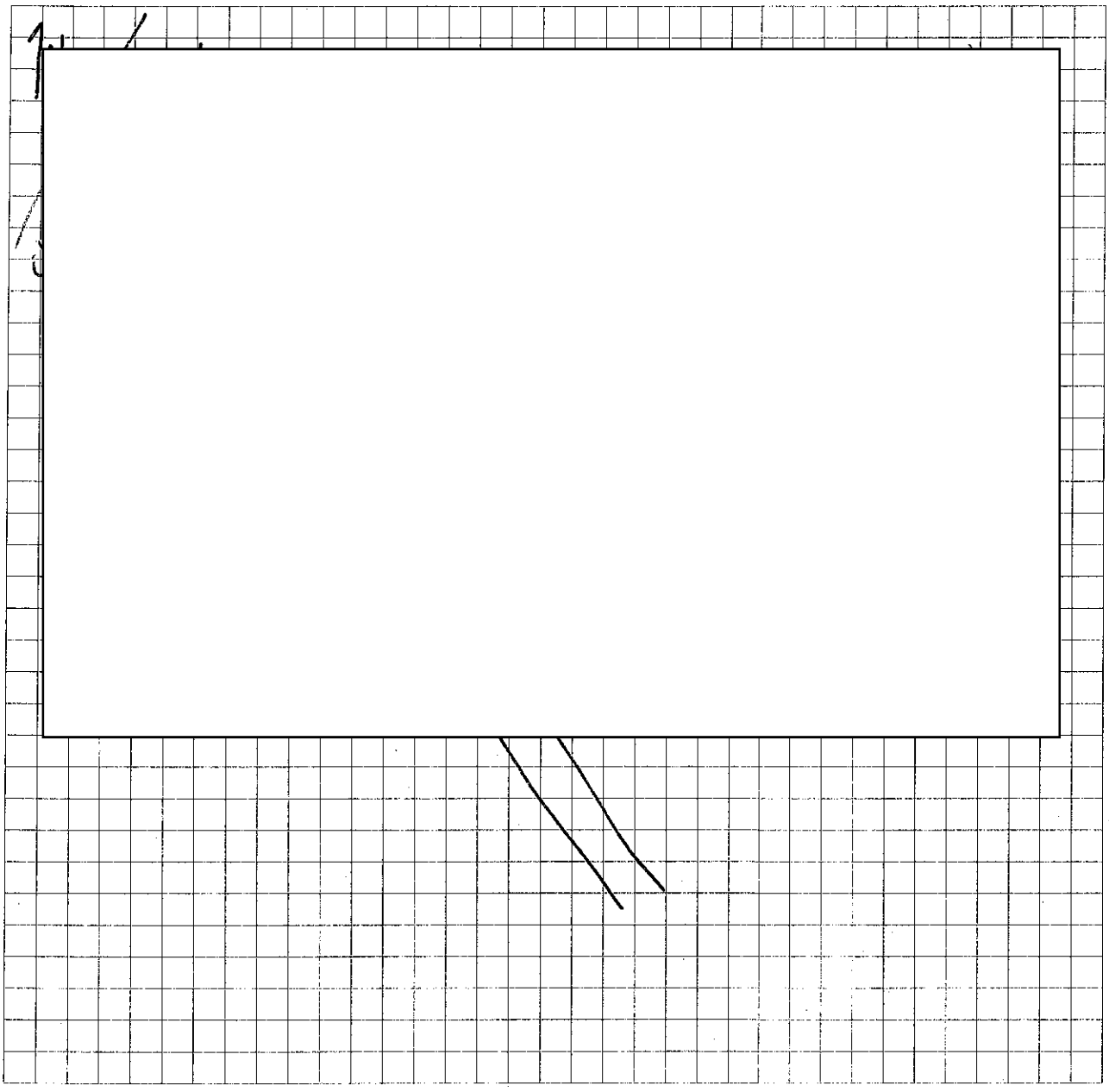
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PPB RAE 2000 # 10704

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
OPEN Area	Maintain (pool cleaner)	6 containers	U	NA	0.0 ppb	Y
	Hot shot wasp killer	17.5 oz	U	NA		
	PVC cement	2x 8oz	U	MEK, Acetone, Tetrahydrofuran		
	Penetrating Lube	12 oz	U	NA		
	Polyurethane	7x 1qt	U	NA		
	Latex Paint	13x 1gal	U	NA		
	Spray paint	2x 12oz	U	NA		
	Pee Pee	24 oz	U	NA		
	Glade odor eliminator	32 oz	U	NA		
	Natures Miracle	32 oz	U	NA		
	Tiki	64 oz	UO	Citronella		
	Glass Cleaner	32 oz	U	NA		
	Burnt candle	15 oz	U	NA		
	Ammonia	1gal	U	Ammonia		
	409	18 oz	U	NA		
	Lysol (DJE)	~~1x 19 oz~~ 3x 19 oz	U	NA		
	Clorox bathroom	30 oz	U	NA		
	Clorox bleach	1gal	U	NA		
	STA-FLO	4oz	U	NA		

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PPB RAE 2000 # 10704

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
OPEN AREA	Kaboom	32oz	U	NA	0.0 ppb	Y
	Hoover Pet Plus	64oz	U	NA		
	Mothballs	1box	UO	NA		
	windex	26oz	U	NA		
	Disinfectant Spray	15oz	U	NA		
	Nail polish remover	100z	U	Acetone		
	Scrum Insect Killer	32oz	U	NA		
	Degreaser	20oz	U	NA		
	Dirt coffeemaker	7oz	U	NA		
	Rain X wash	20oz	U	NA		
	Earthstone Fungus Killer	24oz	U	NA		
	Lotion	35oz	U	NA		
	baby oil	2x 20oz	U	NA		
	window film Adhesive rem.	8oz	U	Ammoniumdodecylbenzenesulfonate		
	Oxypro gel	18oz	U	NA		
	Fresh & Clean	20oz	U	NA		
	Laundry Detergent	150oz	U	NA		

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project # 49631
Project Name Whitesboro
Date 3/11/13
Collector E. Alunge

Structure Location
340 W

Sample Locations
Basement

PID/FID meter ID 14764
Sample Duration (Intended) 24

Indoor Air Sample		Sub-structure Sample		Circle Sample Type: Indoor Air		
				SS-DUP	Ambient	IA-DUP
Sample ID	340W-IA-031113	Sample ID	340W-SS-031113	Sample ID		
Canister ID	10439	Canister ID	~~2L-258-70~~ 10314	Canister ID		
Flow Controller ID	10220	Flow Controller ID	~~2L-5-94~~ 10191	Flow Controller ID		
Date/Time start	3/11/13 1252	Date/Time start	3/11/13 1252	Date/Time start		
Date/Time end	3/12/13 1221	Date/Time end	3/12/13 1221	Date/Time end		
Gauge prior to start	0	Gauge prior to start	0	Gauge prior to start		
Start Pressure	-28.91	Start Pressure	-28.70	Start Pressure		
End Pressure	-4.30	End Pressure	-5.94	End Pressure		
Complete all that apply:		Complete all that apply:		Complete all that apply:		
Air temperature (°F)	~65°	Air temperature (°F)	~65°	Air temperature (°F)		
PID/FID reading	0	PID/FID reading	0	PID/FID reading		
in. tubing used	NA	in. tubing used	~3'	in. tubing used		
Tubing purged?	NA	Tubing purged?	YES	Tubing purged?		
For indoor location:		For indoor location:		For outdoor location:		
Noticeable odor	Naphthalene	Noticeable odor	Naphthalene	Noticeable odor		
Intake height above floor (in)	~3'	Floor slab depth	~4"	Distance to road (ft)		
Floor surface type	Concrete	Intake depth below floor (in)	~1"	Direction to closest building (degrees)		
Room	Storage	Floor surface type	Concrete	Distance to closest building (ft)		
Story/level	Lowest	Room	Storage	Intake height above ground level (in)		
		Story/level	Lowest			

Building Survey and Chemical Inventory Form Completed? Yes
Photographs Taken? Yes

Comments: Clothes were stored in Basement
Associated Ambient 340W-AA-031113

Analytical method required TO-15
Laboratory used Chemtech

OSR – 3

(7)

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name E. Alonzi Date/Time Prepared 3/11/13

Preparer's Affiliation O'Brien Phone No. 585-298-2385

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: (Y) N

Last Name: _____ First Name: _____

Address: _____

County: Oneida

Home Phone: — Cell ~~Office~~ Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
(Cape Cod)	Contemporary	Mobile Home
(Duplex)	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 2

If the property is commercial, type?

Business Type(s) NA

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 3 Building age UNKNOWN

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

1ST + 2ND BASEMENT IS CLOSED OFF WITH THE EXCEPTION OF FORCED HOT AIR CIRCULATION

Airflow near source

NA

Outdoor air infiltration

NA

Infiltration into air ducts

NA

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: ~5 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Crawlspace floor is Concrete

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Nat. Gas

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows (None)

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

DUCTWORK IS GOOD CONDITION

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally (Seldom) Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	STORAGE
1st Floor	LIVING
2nd Floor	BEDROOMS
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? (Y) N When & Type? _____

i. Have cosmetic products been used recently? Y (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y (N) Where & When? _____

l. Have air fresheners been used recently? Y (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y (N) If yes, where vented? _____

o. Is there a clothes dryer? (Y) N If yes, is it vented outside? (Y) N ELECTRIC

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? (Y) N
If yes, please describe: Naphthalene (MOTH BALLS)

Do any of the building occupants use solvents at work? Y (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

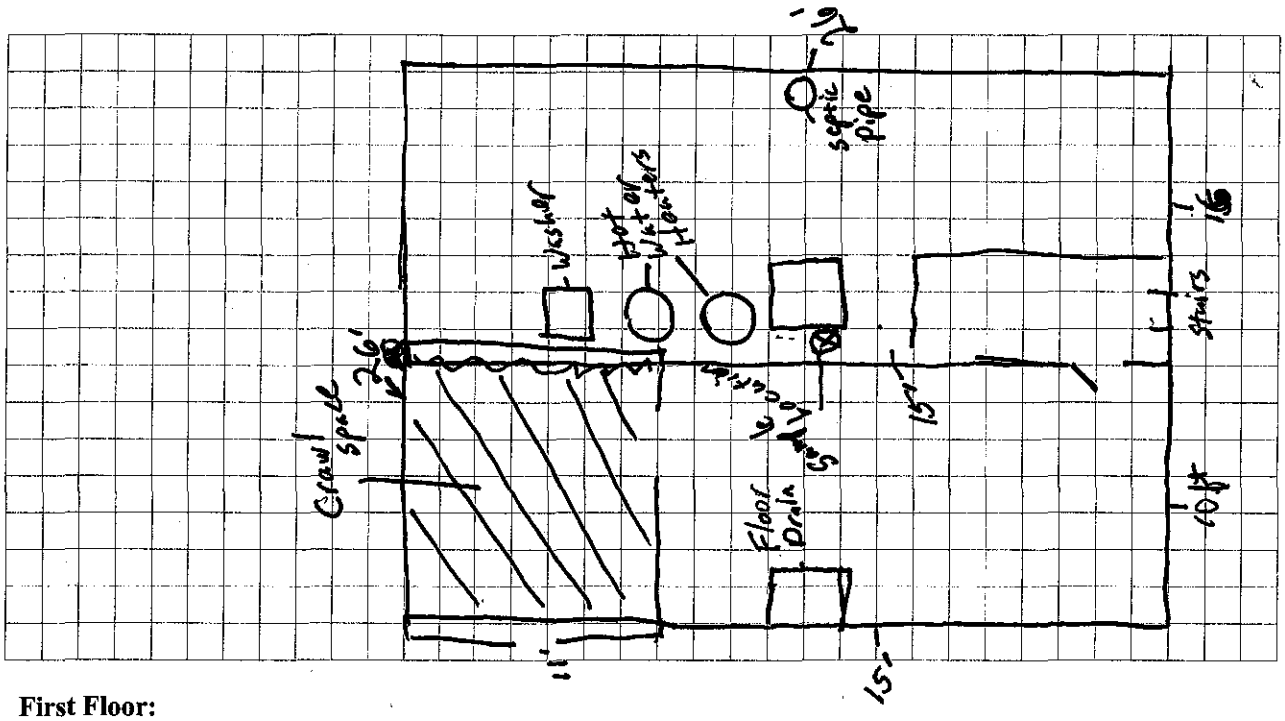
c. Responsibility for costs associated with reimbursement explained? Y / N NA

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

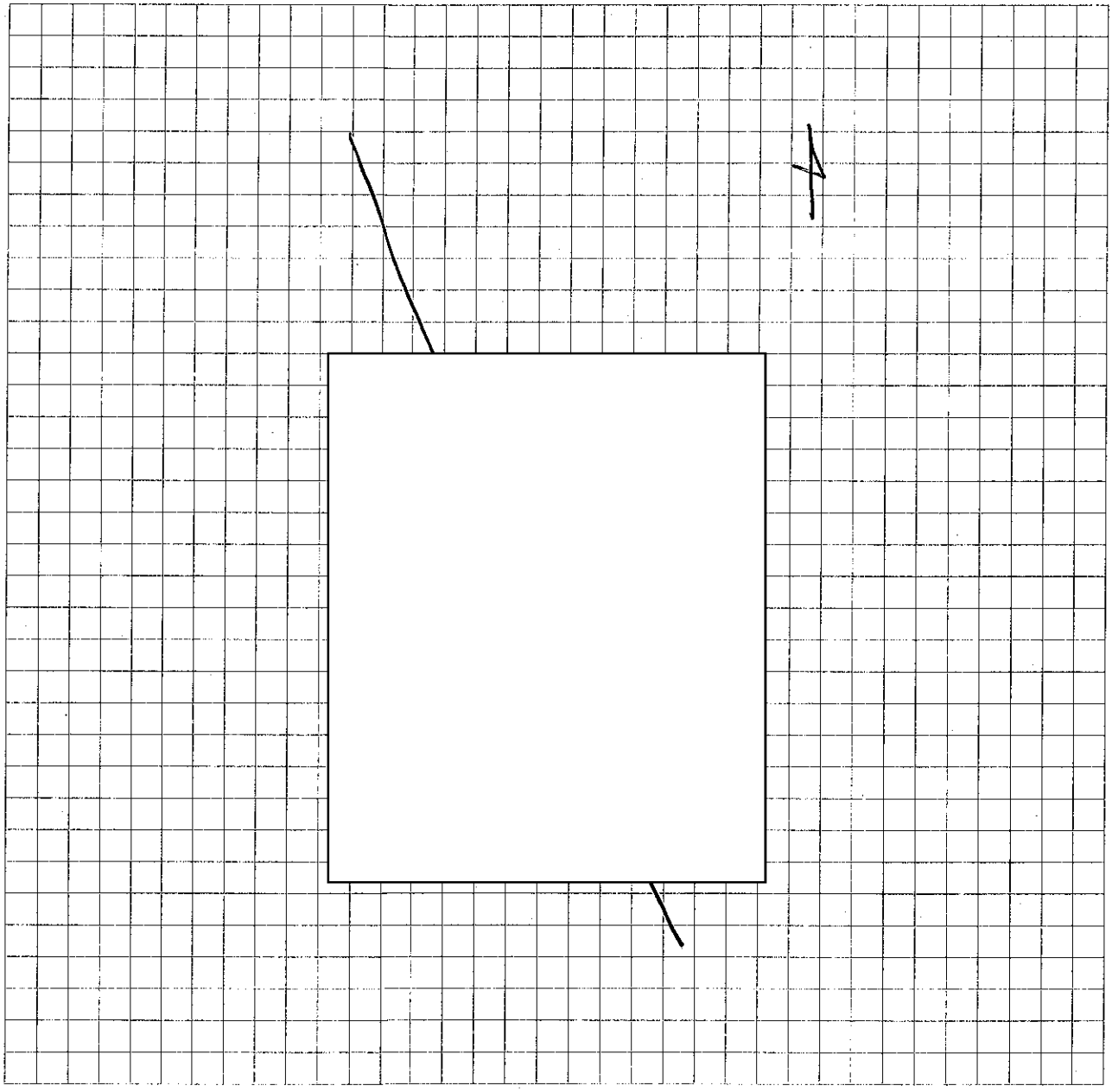


First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PPb Rae S/N 14764

List specific products found in the residence that have the potential to affect indoor air quality.

"NL" not Listed

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N	
Basement	Laundry Soap	24oz	U	Unknown		N	
Basement	Laundry Soap	24oz	U	unknown		N	
Basement	Laundry Soap	24oz	U	unknown		N	
Basement	Bleach	121oz	U	unknown		N	
Basement	Cotn 'wash x 2	96oz	U	unknown		N	
Basement	White Brite	16oz	U	unknown		N	
Basement	Main Line cleaner	32oz	U	Unknown		N	x2
Basement	4 cans spray prime	32oz x 4	U	Paint		N	
Basement	3 cans Rust Oleum	32oz	U	Primer		N	
Basement	600 Gone	16oz	U	NL		N	
Basement	Zinsser	16oz	U	NL		N	
Basement	Turpintine	16oz	U	Terpentine		N	
Basement	Rust Oleum	12oz	U	Paint		N	
Basement	Rust Oleum	12oz	U	Paint		N	
Basement	Flea Treat	16oz	U	NL		N	
Basement	Spray Foam	16oz	U	NL		N	
Basement	Paint - Glidden	945ml	U	NL		N	
Basement	Minwax	945ml	U	Polywrathe		N	
Basement	Behr Paint	946ml	U	Behr paint		N	

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project #	4/9631	Collector(s)	EA/KK	Barometric Pressure(in Hg)	29.83
Project Name	Whitesboro Dry Clean	Structure Location	341 W	Humidity(%)	50%
Site Code		Sample Location(s)	basement	Weather Conditions	SUNNY
Date	3/3/14				

Building Survey/Chemical Inventory Form Completed?	Y				
Photographs Taken?	Y				
PID Meter ID	022786				
Date of Calibration	2/27/14				

Indoor Air Sample		Sub-structure Sample		Circle Sample Type: SS-DUP (IA-DUP) Indoor Air		Ambient	
Sample ID	341W-IA-030314	Sample ID		Sample ID	IAD-030314	Sample ID	
Canister ID	10407	Canister ID		Canister ID	3364 (10262)	Canister ID	
Flow Controller ID	10505	Flow Controller ID		Flow Controller ID	KK ~~10505~~ 10522	Flow Controller ID	
Date/Time start	3/3/14 1320	Date/Time start		Date/Time start	3/3/14 1320	Date/Time start	
Date/Time end	3/4/14 936	Date/Time end		Date/Time end	3/4/14 1237	Date/Time end	
Gauge prior to start	01	Gauge prior to start		Gauge prior to start	01	Gauge prior to start	
Start Pressure	-29.55	Start Pressure		Start Pressure	-29.48	Start Pressure	
End Pressure	-0.89	End Pressure		End Pressure	-8.39	End Pressure	
Complete all that apply:		Complete all that apply:		Complete all that apply:		Complete all that apply:	
Air temperature (°F)	55	Air temperature (°F)		Air temperature (°F)	55	Air temperature (°F)	
PID reading	1140	PID reading		PID reading	1140	PID reading	
in. tubing used	0	in. tubing used		in. tubing used	0	in. tubing used	
Tubing purged?	NA	Tubing purged?		Tubing purged?	NA	Tubing purged?	
For indoor location:		For indoor location:		For indoor location:		For outdoor location:	
Noticeable odor	None	Noticeable odor		Noticeable odor	None	Noticeable odor	
Floor slab depth	NA	Floor slab depth		Floor slab depth	NA	Distance to road (ft)	
Intake height above floor (in)	36	Intake depth below floor (in)		Intake depth below/above floor (in)	36	Direction to site building (°)	
Floor surface type	concrete	Floor surface type		Floor surface type	concrete	Distance to site building (ft)	
Room	basement	Room		Room	basement	Intake height above ground level (in)	
Story/level	1 story w/ basement	Story/level		Story/level	1 story w/ basement	Wind Direction	
		SS-Moisture(Circle) Dry Damp Saturated				Wind Speed	
		SS-Material(Circle) Dirt Wood Stone Fill					
Analytical methods required	TO-15	Tracer Gas(if applicable)		Comments	341W-IA-030314 SAMPLED TOO QUICKLY		
Laboratory used	ChemTech	Chamber concentration					
Sample Duration (Intended)	24 hr	Purge Concentration					

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Eric Alonzi Date/Time Prepared 3/3/14

Preparer's Affiliation O'Brien + Gere Phone No. 585-295-2585

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y (N)

Last Name: VACANT First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? NA

If the property is commercial, type? NA

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 3 Building age UNKNOWN

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

NR

Airflow near source

NA

Outdoor air infiltration

Minimal

Infiltration into air ducts

NR

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: ~6' (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

UTILITIES APPEAR TO BE SEALED

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: GAS

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never) — Currently unoccupied

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Empt
1st Floor	Living
2nd Floor	Bedroom
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

b. Does the garage have a separate heating unit? Y (N) / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N (NA) Please specify_____

d. Has the building ever had a fire? Unknown Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y (N) Where?_____

f. Is there a workshop or hobby/craft area? Y (N) Where & Type?_____

g. Is there smoking in the building? Y (N) How frequently?_____

h. Have cleaning products been used recently? Y (N) When & Type?_____

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? (Y) N Where & When? Re Doing House

k. Is there new carpet, drapes or other textiles? Y (N) Where & When? _____

l. Have air fresheners been used recently? Y (N) When & Type? _____

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? _____

o. Is there a clothes dryer? Y (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Unknown Y / N When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? NA Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response) NA

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

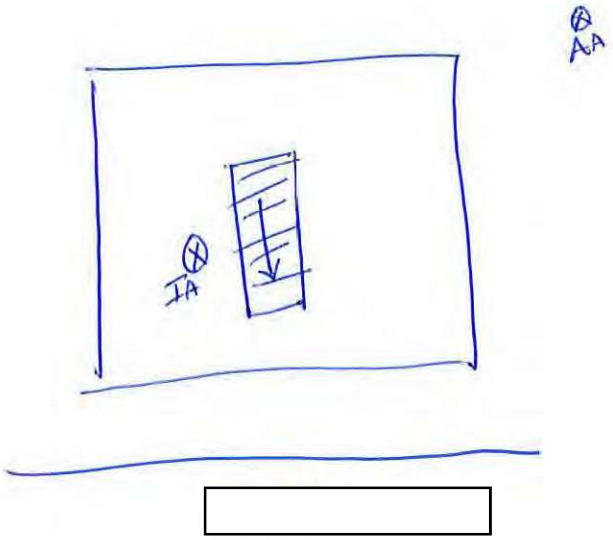
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
basement	Interior Paint	3 gal	U	VOC = 138 g/L	1080	
	Sheetrock joint compound	61.7 lb	U		1142	

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project # 49631
Project Name Whiteshore Drycleaners VI
Date 3/6/13
Collector C. McKenzie / K. Kolwaite

Structure Location: 344W
PID/FID meter ID 1476
Sample Duration (Intended) 24 hr

Sample Locations
Indoor air: 344W-IA-030613 → basement
Sub-slab: 344W-SS-030613
Ambient air: 344W-AA-030613 → outdoors

Indoor Air Sample	Sub-structure Sample	Circle Sample Type: Indoor Air / SS-DUP / Ambient / IA-DUP
Sample ID 344W-IA-030613	Sample ID 344W-SS-030613	Sample ID 344W-AA-030613
Canister ID * ~~10281~~ (can)	Canister ID 10597	Canister ID 10319
Flow Controller ID * ~~10509~~ (can)	Flow Controller ID 10204	Flow Controller ID 10551
Date/Time start 3/6/13 ~~1044~~ (can)	Date/Time start 3/6/13 1044	Date/Time start 3/6/13 1106
Date/Time end 3/7/13 1011	Date/Time end 3/7/13 1011	Date/Time end 3/7/13 1024
Gauge prior to start 0"	Gauge prior to start 1"	Gauge prior to start 2.5"
Start Pressure ~~-29.69"~~ -29.86"	Start Pressure -29.31"	Start Pressure -29.67"
End Pressure -6.54 (can)	End Pressure -6.44"	End Pressure -6.13"
Complete all that apply:	Complete all that apply:	Complete all that apply:
Air temperature (°F) 58°F / 59°F	Air temperature (°F) 58°F / 59°F	Air temperature (°F) 36°F / 35°F
PID/FID reading 0 ppb	PID/FID reading 0 ppb	PID/FID reading 0 ppb
in. tubing used None	in. tubing used 42"	in. tubing used ~48"
Tubing purged? NA	Tubing purged? yes 21 cc	Tubing purged? NA
For indoor location:	For indoor location:	For outdoor location:
Noticeable odor None	Noticeable odor None	Noticeable odor None
Intake height above floor (in) 40"	Floor slab depth 1½"	Distance to road (ft) ~150 ft
Floor surface type concrete	Intake depth below floor (in) ¼"	Direction to closest building (degrees) 180°
Room basement (unfinished area)	Floor surface type Concrete	Distance to closest building (ft) 50 ft
Story/level below ground (basement)	Room basement (unfinished)	Intake height above ground level (in) ~48"
	Story/level below ground	

30.05" Hg (BP) / 30.17" BP

Building Survey and Chemical Inventory Form Completed? Yes
Photographs Taken? yes

Comments: * Can ID 10281 / Flow controller 10509 malfunctioned, sampled 15.71" in 64 minutes. can shut off @ 1148. Replacement can ID 10154 / flow controller 10190 started @ 1151.

Analytical method required TO-15
Laboratory used ChemTech

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Kyle Kolwaite Date/Time Prepared 3/6/13 1015

Preparer's Affiliation O'Brien & Gere Phone No. 315-404-4203

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: Oneida

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ✓)

Interviewed: (Y) / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: Bungalo

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) NA

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 1 and basement Building age #135

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

No observed flow between floors

Airflow near source

No observed flow.

Outdoor air infiltration

No observed outdoor air infiltration

Infiltration into air ducts

None

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	(full)	crawlspace	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	(covered)	covered with Carpet	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	unfinished	(partially finished)	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N (not applicable)			

Basement/Lowest level depth below grade: 4'1/2 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Cracks in slab (numerous) and block wall below grade

Floor drain in bathroom

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Gas

Boiler/furnace located in: (Basement) Outdoors Main Floor Other_____

Air conditioning: (Central Air) Window units (Open Windows) None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Overhead 10"x12" (→ See photos). 10" round supply

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally (Seldom) Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Laundry and workshop
1st Floor	kitchen, Livingroom, 3 bedrooms, bath, etc.
2nd Floor	NA
3rd Floor	NA
4th Floor	NA

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) (Y) / N / NA
Please specify Lawnmower/snowblower

d. Has the building ever had a fire? Y (N) When? _____

e. Is a kerosene or unvented gas space heater present? Y (N) Where? _____

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type? basement

g. Is there smoking in the building? Y (N) How frequently? _____

h. Have cleaning products been used recently? Y (N) When & Type? _____

i. Have cosmetic products been used recently? (Y)/ N When & Type? 3 months ago (hairspray)

j. Has painting/staining been done in the last 6 months? Y /(N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y /(N) Where & When? _____

l. Have air fresheners been used recently? (Y)/ N When & Type? Currently / Glade plug-in

m. Is there a kitchen exhaust fan? (Y)/ N If yes, where vented? Not vented

n. Is there a bathroom exhaust fan? (Y)/ N If yes, where vented? Outside

o. Is there a clothes dryer? (Y)/ N If yes, is it vented outside? (Y)/ N

p. Has there been a pesticide application? (Y)/ N When & Type? Previous Summer Ant Killer

Are there odors in the building? Y /(N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y /(N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N NA

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

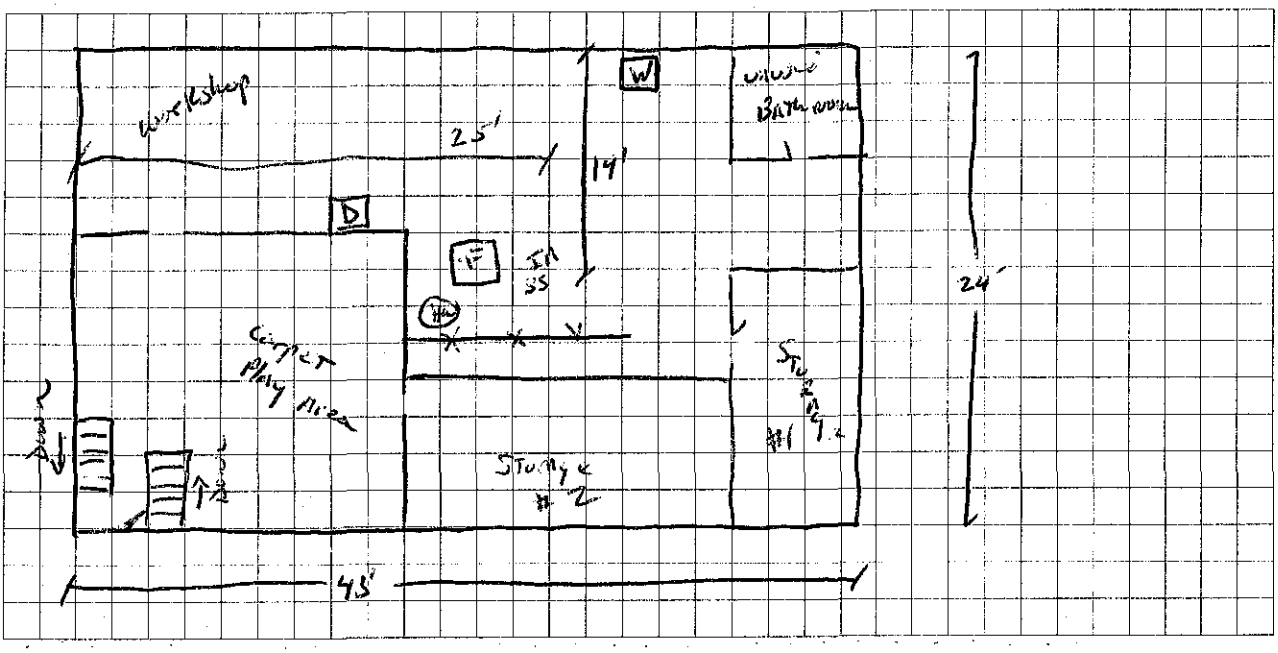
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N NA

11. FLOOR PLANS

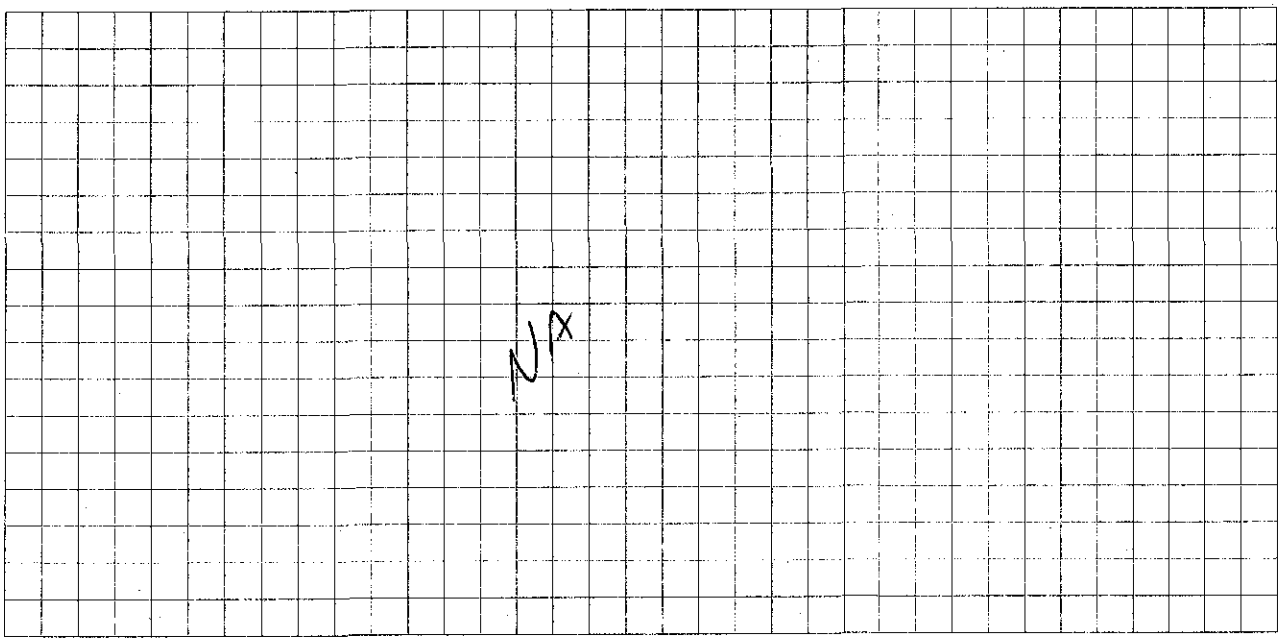
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



43
24

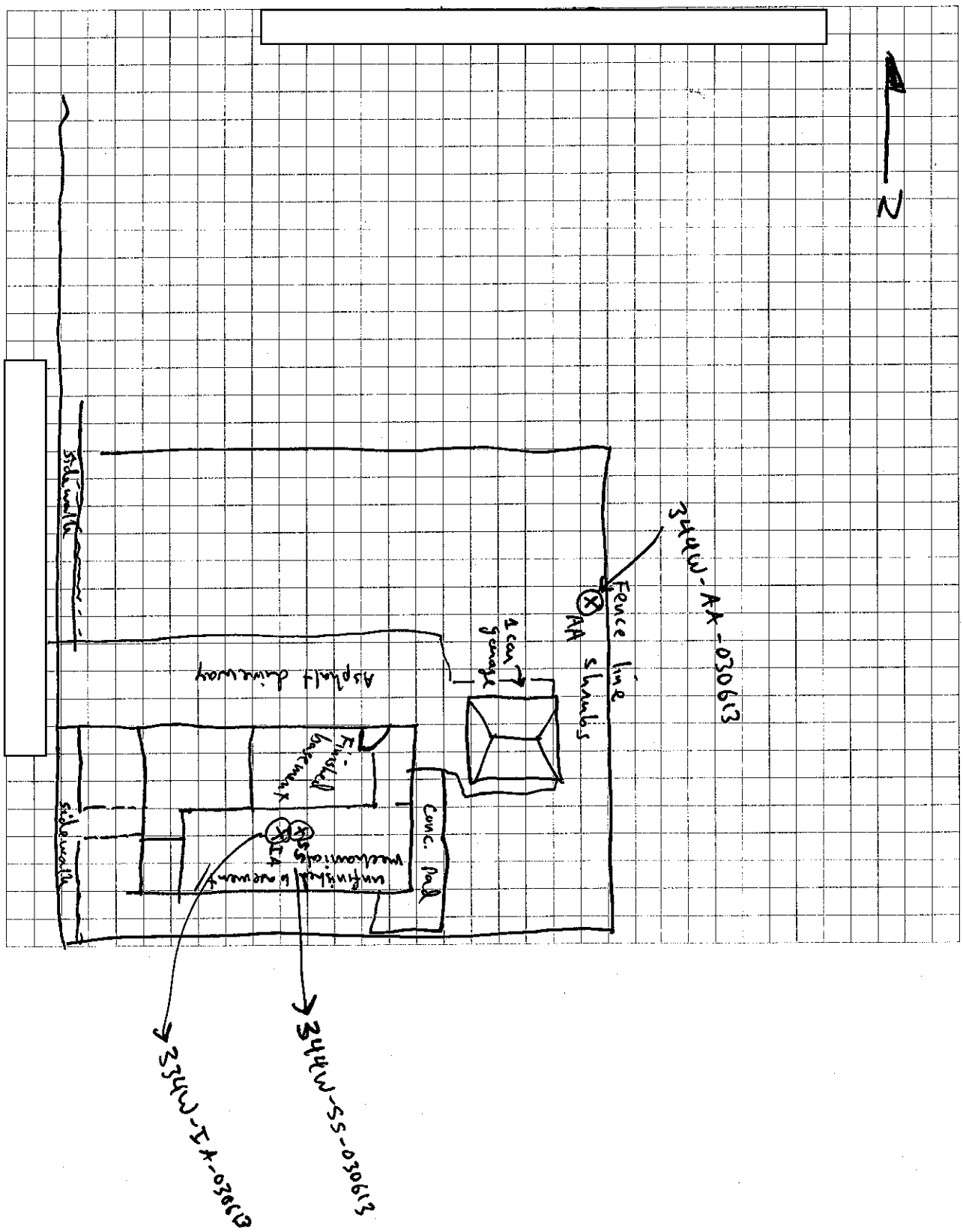
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb 1676

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
workshop	Multi-purpose Glue	0.7oz → 8oz	UO	NA		Y
	Lino-Kleener	2-1pt	U	NA		
	Zippo Lighter fluid	12oz	U	Naphtha.		
	White lithium Grease	13oz	U	Heptane		
	Compressed air duster	8oz 16oz	U	1,1-Difluoroethane		
	De Icer	16oz	U	NA		
	Goo Jo	14oz	U	NA		
	Waterproof spray	4cans	U	111 Trichloroethane		
	Paint cans	1pt 16cans	U	NA		
	Wood Stain	2qt	U	NA		
	Gel-gloss Acrylic	16oz	U	NA		
	Spray paint					
	Liquid Plumber	1gal	UO	NA		
	Orange glo	24oz	U	NA		
	Rubbing alcohol	16oz	U	Ethyl Alcohol		
	Carpet cleaner	64oz	U	NA		
	Bissell Tough Stain	22oz	U	NA		
	Spot and stain remover	32oz	U	NA		
	Scotch Choice Gold	1pt	U	NA		

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb Rae 14764

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
workshop	Ammonia	1 gal	U	Ammonia		Y
↓	Scotts insect killer	32 oz	U	NA		↓
	Car wax	3x 1pt	UO	NA		
	Armor All wipes	2 cans	U	NA		
	Windex	1gal	UO	NA		
	Scratch remover	6 oz	U	NA		
	Bleach	1 gal	UO	NA		
	Laundry Detergent	3 gal	U	NA		
	Esquire shoe K.C	16 oz	U	NA		
↓	Shampoo	1 gal	U	NA		
Storage #1	paint	9-1gal cans	U	NA		
↓	Flow paint	14 oz	U	NA		
↓	spray paint	8 cans	U	NA		↓

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project # 49631
Project Name Whiteshore Drycleaners
Date 3/14/13 - 3/15/13
Collector CM / KK

Structure Location: 345W
PID/FID meter ID PPB rae 14764
Sample Duration (Intended) 24 hrs

Sample Locations
Indoor Air: 345W-IA-031413
Sub slab: 345W-SS-031413
Indoor Air dup: 345W-IADUP-031413
} Basement

Indoor Air Sample	Sub-structure Sample	Circle Sample Type: Indoor Air / SS-DUP / Ambient / IA-DUP
Sample ID 345W-IA-031413	Sample ID 345W-SS-031413	Sample ID 345W-IADUP-031413
Canister ID 10158	Canister ID 10403	Canister ID 10001
Flow Controller ID 10706	Flow Controller ID 10544	Flow Controller ID 10772
Date/Time start 3/14/13 1236	Date/Time start 3/14/13 1236	Date/Time start 3/14/13 1236
Date/Time end 3/15/13 1147	Date/Time end 3/15/13 1147	Date/Time end 3/15/13 1147
Gauge prior to start 0"	Gauge prior to start 2"	Gauge prior to start 0"
Start Pressure -29.24"	Start Pressure -29.13	Start Pressure -29.32"
End Pressure -5.03	End Pressure -1.37"	End Pressure -4.76"
Complete all that apply:	Complete all that apply:	Complete all that apply:
Air temperature (°F) 58°F/64°F	Air temperature (°F) 58°F/64°F	Air temperature (°F) 58°F/64°F
PID/FID reading 0ppb	PID/FID reading 0ppb	PID/FID reading 0ppb
in. tubing used NA	in. tubing used 46"	in. tubing used NA
Tubing purged? NA	Tubing purged? yes	Tubing purged? NA
For indoor location:	For indoor location:	For ~~outdoor~~ Indoor location:
Noticeable odor No	Noticeable odor No	Noticeable odor No
Intake height above floor (in) 36"	Floor slab depth 2 3/4"	~~Distance to road (ft)~~ Intake height 36"
Floor surface type concrete	Intake depth below floor (in) 1/4	~~Direction to closest building (degrees)~~ Floor surface concrete
Room basement	Floor surface type concrete	~~Distance to closest building (ft)~~ Room basement
Story/level below grade	Room basement	~~Intake height above ground level (in)~~ below grade
	Story/level below grade	Story/level

Building Survey and Chemical Inventory Form Completed? yes
Photographs Taken? yes

Comments:

BP: 29.96" / 29.76"

Analytical method required TO-15 low-level
Laboratory used Chem Tech

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project # 49631
Project Name Whitesboro Drycleaners
Date 3/14/13 - 3/15/13
Collector cm/kk

Structure Location
12 owens
PID/FID meter ID Phase 14764
Sample Duration (Intended) 24 hrs

Sample Locations
Ambient Air: 345W-AA-031413 (outdoors) NW corner of structure

Indoor Air Sample		Sub-structure Sample		Circle Sample Type: Indoor Air / SS-DUP / (Ambient) / IA-DUP
Sample ID		Sample ID		Sample ID 345W-AA-031413
Canister ID		Canister ID		Canister ID 10160
Flow Controller ID		Flow Controller ID		Flow Controller ID 16206
Date/Time start		Date/Time start		Date/Time start 3/14/13 1254
Date/Time end		Date/Time end		Date/Time end 3/15/13 1051
Gauge prior to start		Gauge prior to start		Gauge prior to start 0"
Start Pressure		Start Pressure		Start Pressure -29.76"
End Pressure		End Pressure		End Pressure -4.01"
Complete all that apply:		Complete all that apply:		Complete all that apply:
Air temperature (°F)		Air temperature (°F)		Air temperature (°F) 18°F / 35°F
PID/FID reading		PID/FID reading		PID/FID reading 0 ppb
in. tubing used		in. tubing used		in. tubing used 42"
Tubing purged?		Tubing purged?		Tubing purged? NA
For indoor location:		For indoor location:		For outdoor location:
Noticeable odor		Noticeable odor		Noticeable odor No
Intake height above floor (in)		Floor slab depth		Distance to road (ft) ~ 14'
Floor surface type		Intake depth below floor (in)		Direction to closest building (degrees) 200°
Room		Floor surface type		Distance to closest building (ft) 4"
Story/level		Room		Intake height above ground level (in) ~40"
		Story/level		

Building Survey and Chemical Inventory Form Completed? yes
Photographs Taken? Yes

Comments: Ambient placed on NW corner of structure. Only suitable place due to location of structure and forecasted winds. BP: 29.96" / 29.82"

Analytical method required TO-15 Low-level
Laboratory used Chem tech

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Kyle Kolwaite Date/Time Prepared 3/14/13 1200

Preparer's Affiliation O'Brien & Gere Phone No. 315-956-7200

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: _____ First Name: _____

Address: 345W _____

County: Oneida

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: **Y / N**

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	(2-Family)	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	(Apartment House)	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 2

If the property is commercial, type?

Business Type(s) NA

Does it include residences (i.e., multi-use)? ~~Y / N~~ If yes, how many? NA

Other characteristics:

Number of floors 1 Building age_____

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

No noticible Flow

Airflow near source

No noticible flow

Outdoor air infiltration

flow into house from floor drain and gap between slab and walls

Infiltration into air ducts

No flow into ducts observed

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 4 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

2" gap between concrete floor and walls, floor drain

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Nat. Gas

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air (Window units) Open Windows None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

See pictures

7. OCCUPANCY

Is basement/lowest level occupied? Full-time (Occasionally) Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Workshop / Laundry
1st Floor	Living space
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type?_____

g. Is there smoking in the building? (Y) / N How frequently? Daily

h. Have cleaning products been used recently? (Y) / N When & Type?_____

i. Have cosmetic products been used recently? Y /(N) When & Type? _____

j. Has painting/staining been done in the last 6 months? (Y)/ N Where & When? 1 week prior / basement

k. Is there new carpet, drapes or other textiles? Y /(N) Where & When? _____

l. Have air fresheners been used recently? Y /(N) When & Type? _____

m. Is there a kitchen exhaust fan? Y /(N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y /(N) If yes, where vented? _____

o. Is there a clothes dryer? (Y) N If yes, is it vented outside? (Y) N

p. Has there been a pesticide application? Y /(N) When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? (Y)/ N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Mineral Spirits

If yes, are their clothes washed at work? Y /(N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? ~~Active/Passive~~

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

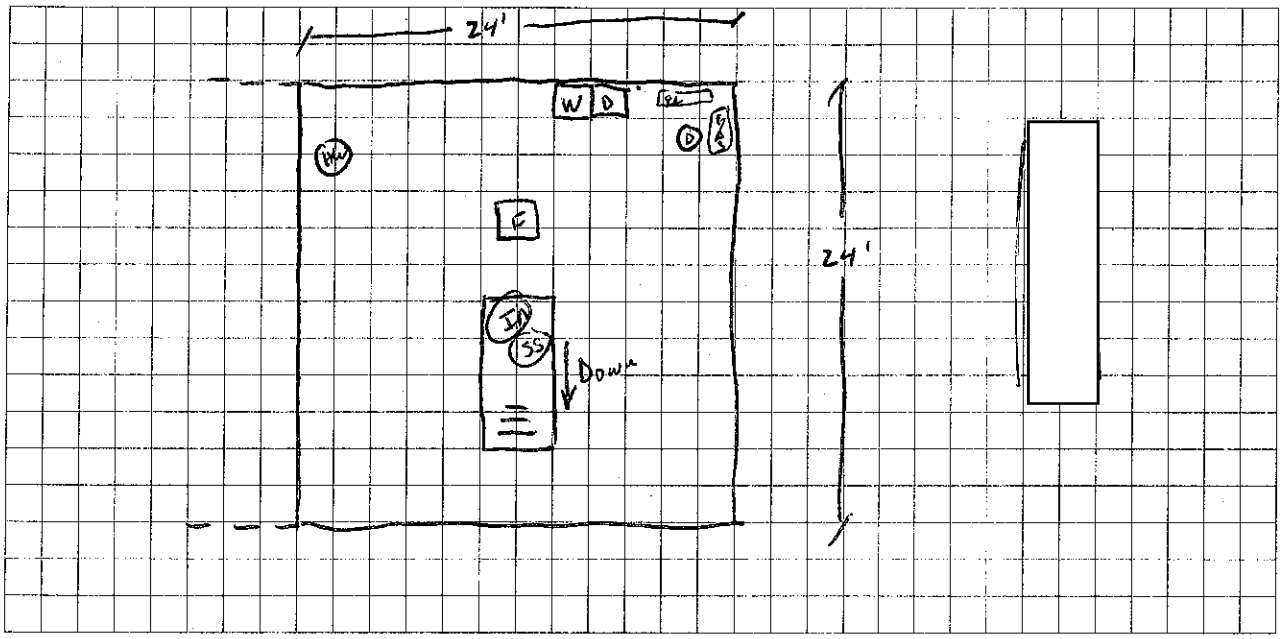
c. Responsibility for costs associated with reimbursement explained? Y / N N/A

d. Relocation package provided and explained to residents? Y / N

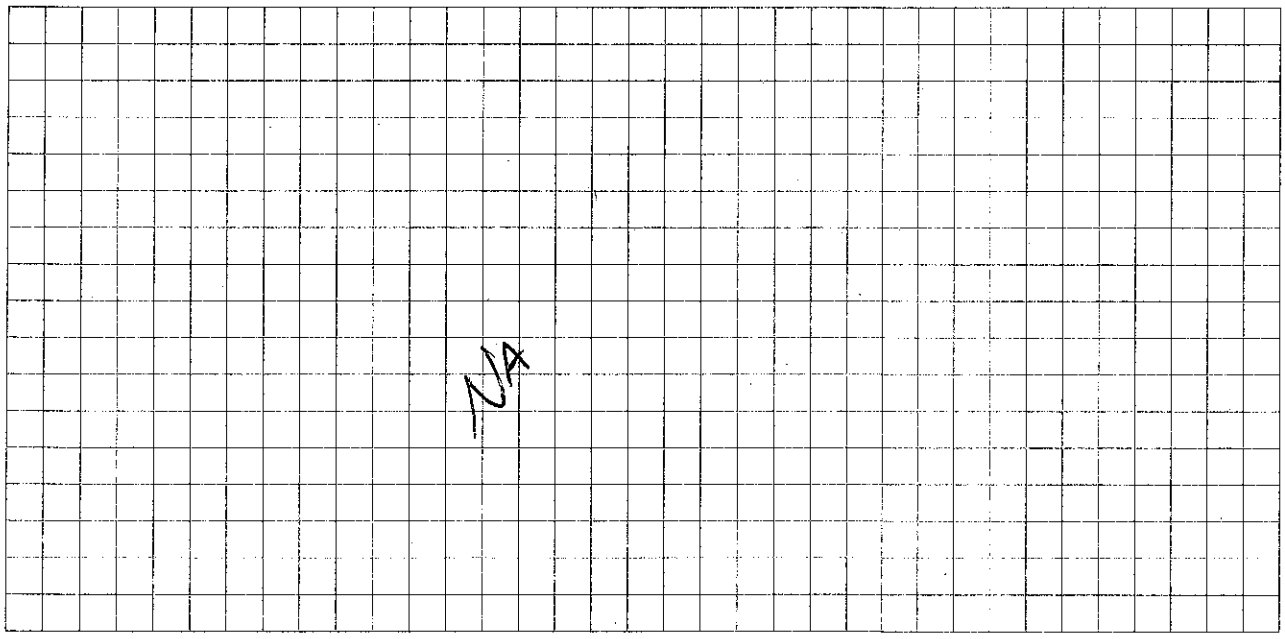
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



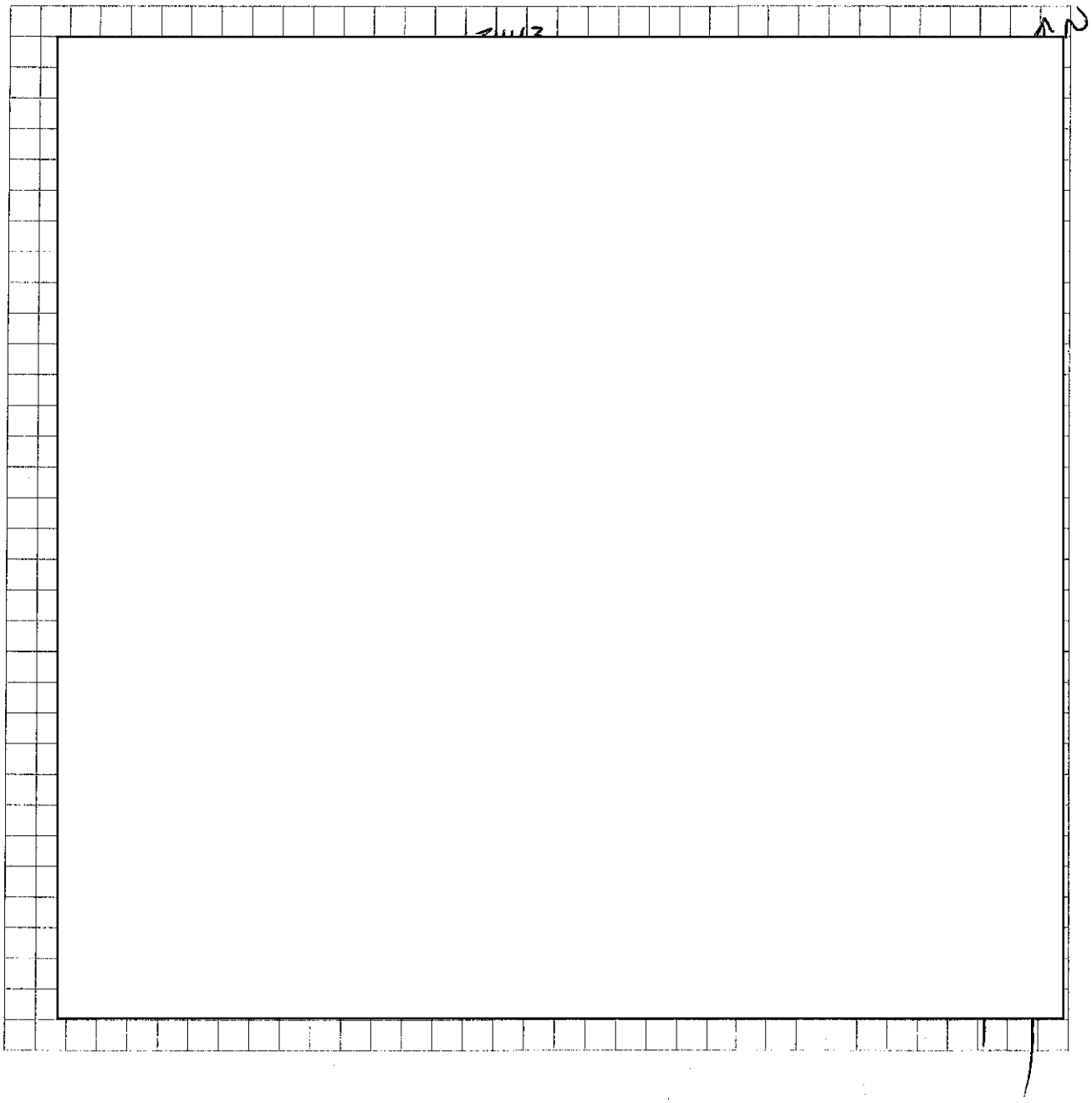
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PPB RAE 14764

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Basement	409	1 qt	U	NA		Y
	Tide Detergent	1.17 gal	U	NA		
	bleach	1 gal	U	NA		
	Simple Green	32 oz	U	NA		
	Febreze to go	2.8 oz	U	NA		
	Eat-a-bubble	8 oz	U	methanol, Methyl Alcohol		
	boot oil	8 oz	U	NA		
	Caulk	3x 10.2 oz	2-U 1-UO	methyl acetate, acetone, xylene		
	Scratch X remover	7 oz	U	NA		
	Super Juice	8 oz	U	NA		
	NOTOX Metal Polish	12 oz	U	Silica, Ammonia, oxalic acid		
	Mineral Spirits	2 qt	U	NA		
	PB blaster	11 oz	U	6472-94-5 CAS		
	Spray Paint	10x 11 oz	U	NA		
	Spray Paint	4x 3.2 oz	U	NA		
	Butane	16 oz	U	NA		
	Carp Dry	12 oz	U	hydrocarbon propellant		
	Contact Cement	3x 4oz 1x 16oz	U	109-99-9, MEK, 108-99-1		
	Wood glue	8 oz	U	NA		

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID RAE 14764

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Basement	Epoxy	3x 4oz	U	NA		Y
↓	Deck Stain	1 gal	U	NA		↓
	Wood Stain	5x 32oz	U	NA		
	bondo	2x 2lbs	U	NA		
	indoor/exterior paint	2x 1gal 5x 32oz	U	NA		
↓	indoor/exterior paint	3x 1/2 pt	U	NA		↓

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project # 49631
Project Name Whitesboro
Date 3/11/13
Collector EA/BG

Structure Location
347 W

Sample Locations
BASEMENT

PID/FID meter ID 14764
Sample Duration (Intended) 24

Indoor Air Sample		Sub-structure Sample		Circle Sample Type: Indoor Air SS-DUP ~~Ambient~~ IA-DUP	
Sample ID	347W-IA-031113	Sample ID	347W-SS-031113	Sample ID	347W-AA-031113
Canister ID	10296	Canister ID	10260	Canister ID	10302
Flow Controller ID	10529	Flow Controller ID	10506	Flow Controller ID	10249
Date/Time start	3/11/13 1031	Date/Time start	3/11/13 1031	Date/Time start	3/11/13 1047
Date/Time end	3/12/13 958	Date/Time end	3/12/13 1002	Date/Time end	3/12/13 1015
Gauge prior to start	0	Gauge prior to start	0	Gauge prior to start	3
Start Pressure	-29.07	Start Pressure	-28.9	Start Pressure	-29.0
End Pressure	-6.33	End Pressure	-14.04	End Pressure	-5.78
Complete all that apply:		Complete all that apply:		Complete all that apply:	
Air temperature (°F)	~65	Air temperature (°F)	~65°	Air temperature (°F)	~48
PID/FID reading	0	PID/FID reading	0	PID/FID reading	0
in. tubing used	0	in. tubing used	~3'	in. tubing used	3'
Tubing purged?	NA	Tubing purged?	YES	Tubing purged?	YES
For indoor location:		For indoor location:		For outdoor location:	
Noticeable odor	No	Noticeable odor	No	Noticeable odor	No
Intake height above floor (in)	~3'	Floor slab depth	4"	Distance to road (ft)	~50'
Floor surface type	Concrete	Intake depth below floor (in)	~1"	Direction to closest building (degrees)	
Room	BASEMENT	Floor surface type	Concrete	Distance to closest building (ft)	~1'
Story/level	Lowest	Room	BASEMENT	Intake height above ground level (in)	~3'
		Story/level	Lowest		

Building Survey and Chemical Inventory Form Completed? YES
Photographs Taken? YES

Comments:

Analytical method required TO-15
Laboratory used Chemtech

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Eric Alvigi Date/Time Prepared 3/11/13

Preparer's Affiliation O'Brien & Gere Phone No. 585-298-2385

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: (Y) N

Last Name: _____ First Name: _____

Address: _____

County: Oneida

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

~~Residential~~	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

(Ranch)	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
(Duplex)	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 2

If the property is commercial, type?

Business Type(s) NA

Does it include residences (i.e., multi-use)? (Y) / N If yes, how many? 2

Other characteristics:

Number of floors 1 + Basement Building age Unknown

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

None

Airflow near source

NA

Outdoor air infiltration

No

Infiltration into air ducts

No

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y (N)			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 5' 1 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

French Drain Present Around Basement

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural Gas

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows (None)

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

No Cold Air intakes in Basement. Ductwork in Good Condition

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Bedroom - Storage
1st Floor	Living
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y (N) Where?_____

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type?_____

g. Is there smoking in the building? Y (N) How frequently?_____

h. Have cleaning products been used recently? Y (N) When & Type?_____

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? (Y) / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? _____

o. Is there a clothes dryer? (Y) / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
(Yes) use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	(Public Water)	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	(Public Sewer)	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

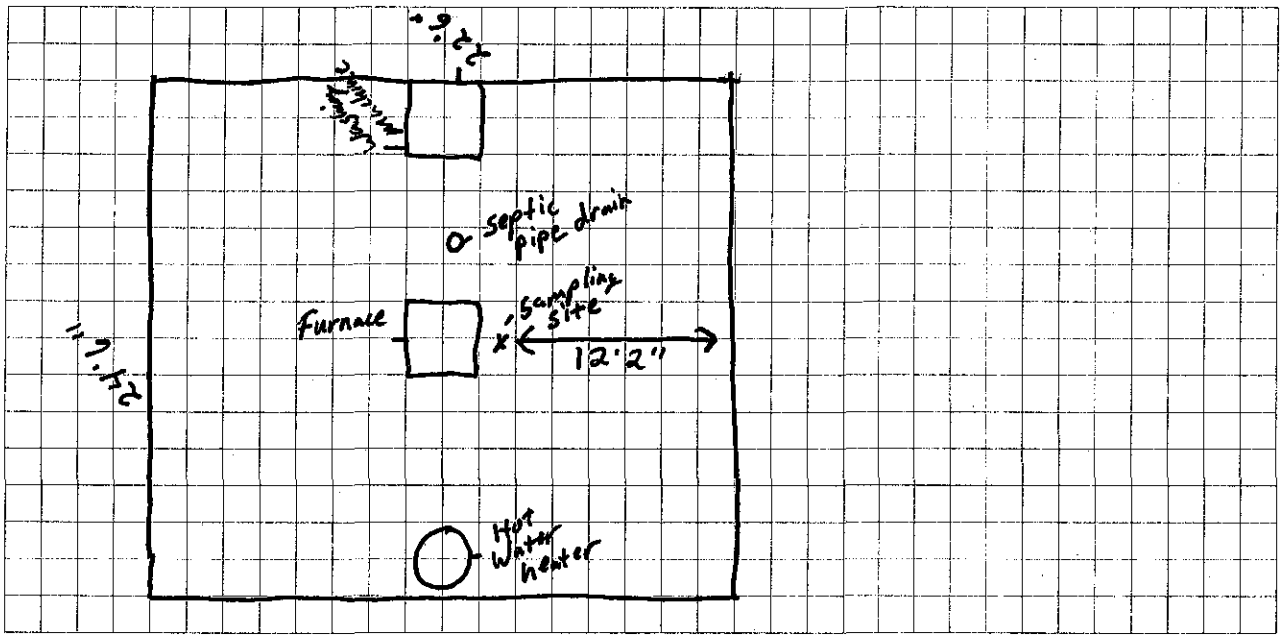
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N NA

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

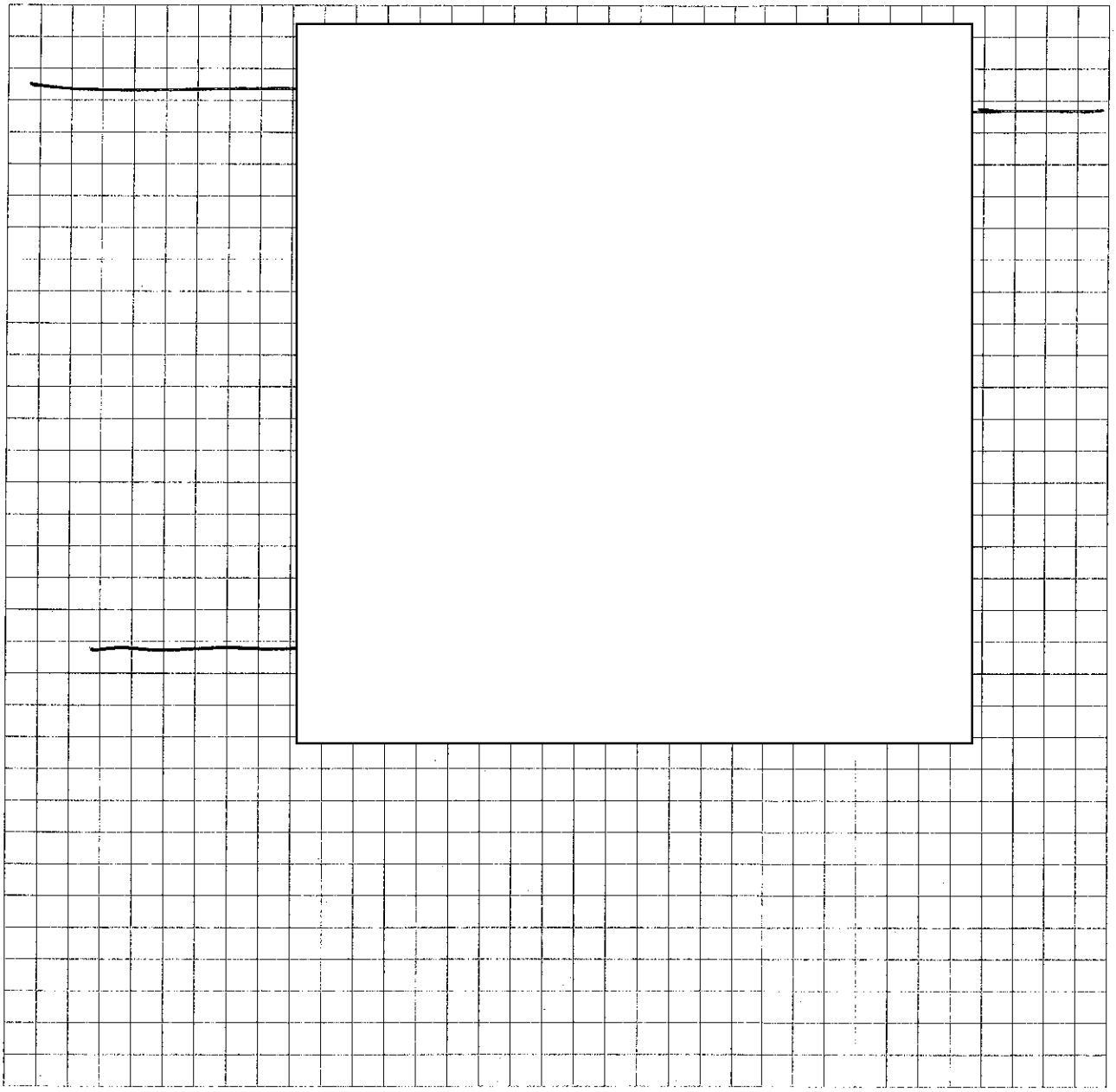


First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PPID RAE 1476

List specific products found in the residence that have the potential to affect indoor air quality. N'L - not Listed

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Basement	Porch Floor Paint Valspar	1gal	Used	N'L	0	Y
Basement	Interior Wall Paint Kilz	1gal	Used	N'L	0	Y
Basement	Minwax Stain	8oz	Used	NL	0	Y
Basement	White Lithium grease	10oz	Used	NL	0	Y
Basement	Mothers Wheel + Tire Cleaner	24oz	unknown	NL	0	N
Basement	Hard as Nails	.45 Fl oz	unknown	NL	0	N
Basement	Zap a Gap	.25oz	unknown	~~NL~~ Cyanoacrylate	0	N
Basement	Gorilla Glue	.22oz	unknown	NL	0	N
Basement	White Out	.7oz	unknown	NL	0	N
Basement	Reel Oil	.15oz	unknown	NL	0	N
Basement	Fly head cement	.15oz	unknown	NL	0	N
Basement	Bleach	121oz	unknown	NL	0	N
Basement	Laundry Soap	56oz	U	NL	0	N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project # 49631
Project Name Whitesboro Drycleaners NYSDEC/AIA
Date 3/14/13 - 3/15/13
Collector CM / KK

Structure Location: 351W
PID/FID meter ID PPB RAE 14764
Sample Duration (Intended) 24 hrs

Sample Locations
Indoor Air: 351W-IA-031413 (basement)
Sub slab: 351W-SS-031413 (basement)

Indoor Air Sample		Sub-structure Sample		Circle Sample Type: Indoor Air SS-DUP Ambient IA-DUP	
Sample ID	351W-IA-031413	Sample ID	351W-SS-031413	Sample ID	
Canister ID	10492	Canister ID	10298	Canister ID	
Flow Controller ID	10110	Flow Controller ID	10545	Flow Controller ID	
Date/Time start	3/14/13 1100	Date/Time start	3/14/13 1100	Date/Time start	
Date/Time end	3/15/13 1016	Date/Time end	3/15/13 1016	Date/Time end	
Gauge prior to start	0	Gauge prior to start	0	Gauge prior to start	
Start Pressure	-29.20"	Start Pressure	-28.09"	Start Pressure	
End Pressure	-5.77"	End Pressure	-4.23"	End Pressure	
Complete all that apply:		Complete all that apply:		Complete all that apply:	
Air temperature (°F)	70°F/62°F	Air temperature (°F)	70°F/62°F	Air temperature (°F)	
PID/FID reading	0 ppb	PID/FID reading	0 ppb	PID/FID reading	
in. tubing used	NA	in. tubing used	48"	in. tubing used	
Tubing purged?	NA	Tubing purged?	yes	Tubing purged?	
For indoor location:		For indoor location:		For outdoor location:	
Noticeable odor	cigarette smoke	Noticeable odor	cigarette smoke	Noticeable odor	
Intake height above floor (in)	36"	Floor slab depth	2½"	Distance to road (ft)	
Floor surface type	concrete	Intake depth below floor (in)	¼"	Direction to closest building (degrees)	
Room	basement	Floor surface type	concrete	Distance to closest building (ft)	
Story/level	below grade	Room	basement	Intake height above ground level (in)	
		Story/level	below grade		

Building Survey and Chemical Inventory Form Completed? yes
Photographs Taken? yes

Comments: basement floor had partial floating slab and french drain. Readings from these locations were 0.0 ppb
B.P.: 29.99" / 29.82"

Analytical method required: TO-15 low-level
Laboratory used: Chem Tech

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Kyle Kolwaite Date/Time Prepared 3/14/12 1030

Preparer's Affiliation O'Brien & Gere Phone No. 315-956-7200

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: _____ First Name: _____

Address: _____

County: Oneida

Cell
~~Home~~ Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	(2-Family)	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 2

If the property is commercial, type?

Business Type(s) NA

Does it include residences (i.e., multi-use)? ~~Y/N~~ If yes, how many? NA

Other characteristics:

Number of floors 1 Building age unknown

Is the building insulated? (Y)/ N How air tight? Tight /(Average) Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

No flow observed

Airflow near source

No flow observed

Outdoor air infiltration

Air flow into building from windows. Air flow from cracks/ openings between floor and walls into building. Air from drains into building.

Infiltration into air ducts

No flow observed.

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	(full)	crawlspace	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	(covered)	covered with Debris / carpet (1/2)	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is:	wet	(damp)	dry	(moldy)
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: 4 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

2" gap between walls and concrete floor, floor drain.

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
(Space Heaters)	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural Gas

Boiler/furnace located in: (Basement) Outdoors Main Floor Other_____

Air conditioning: (Central Air) Window units (Open Windows) None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

See photos.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally (Seldom) Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Laundry
1st Floor	Living area
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When? NA

e. Is a kerosene or unvented gas space heater present? Y / (N) Where? _____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? (Y) / N How frequently? Daily

h. Have cleaning products been used recently? Y / (N) When & Type? _____

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? (Y) / N When & Type? Daily / Glade Spray

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? outside

o. Is there a clothes dryer? (Y) N If yes, is it vented outside? (Y) / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? (Y) N
If yes, please describe: Yes - Cigarette smoke

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? NA

If yes, are their clothes washed at work? ~~Y / N~~

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: NA
Is the system active or passive? ~~Active/Passive~~

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

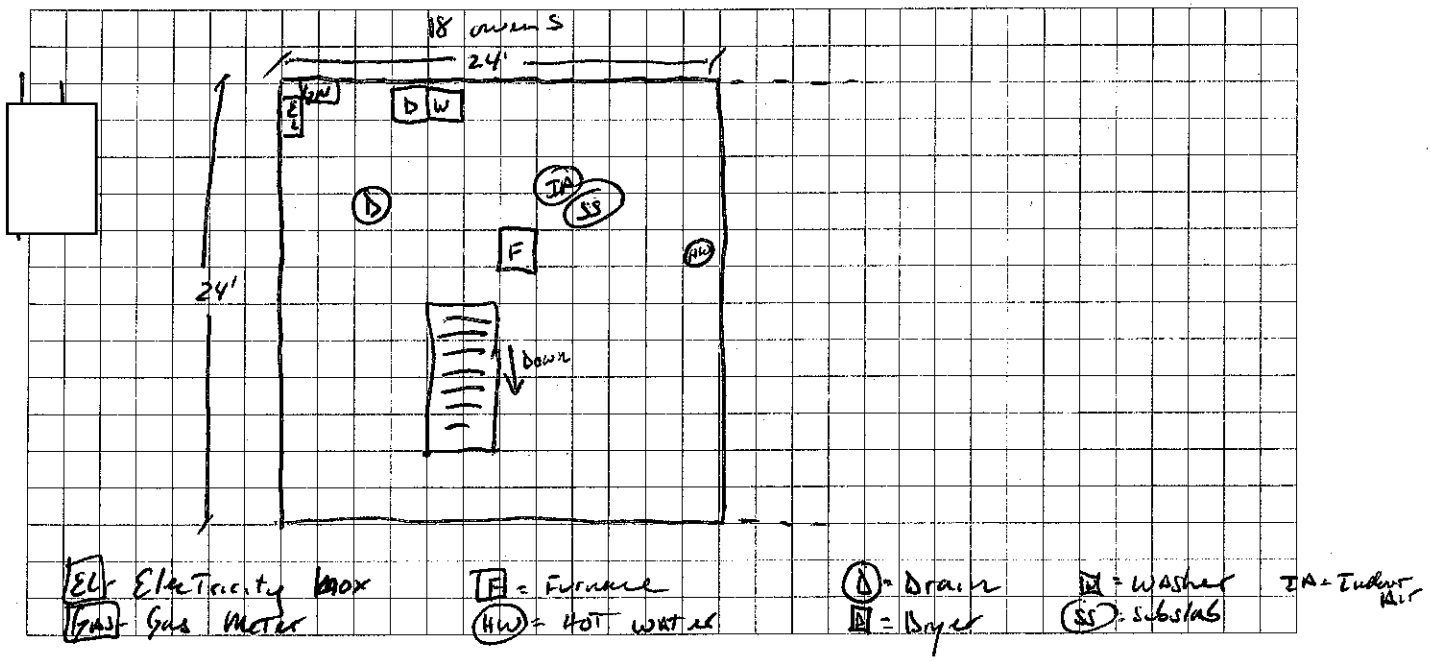
c. Responsibility for costs associated with reimbursement explained? ~~Y~~/N

d. Relocation package provided and explained to residents? ~~Y~~/N

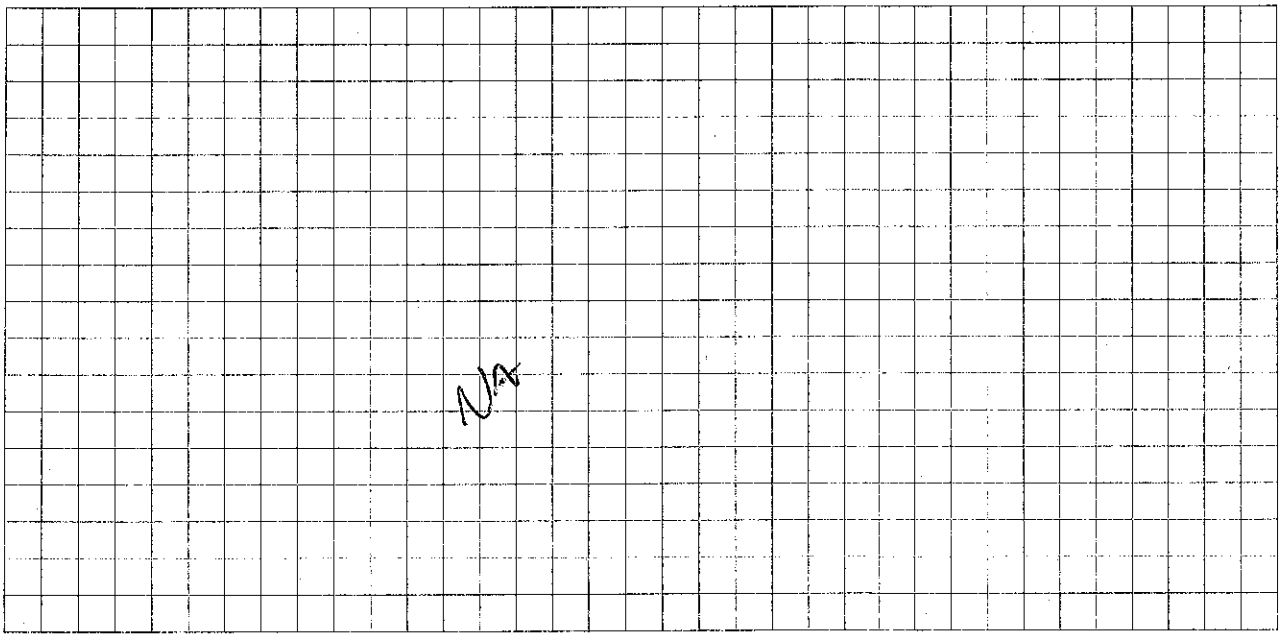
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



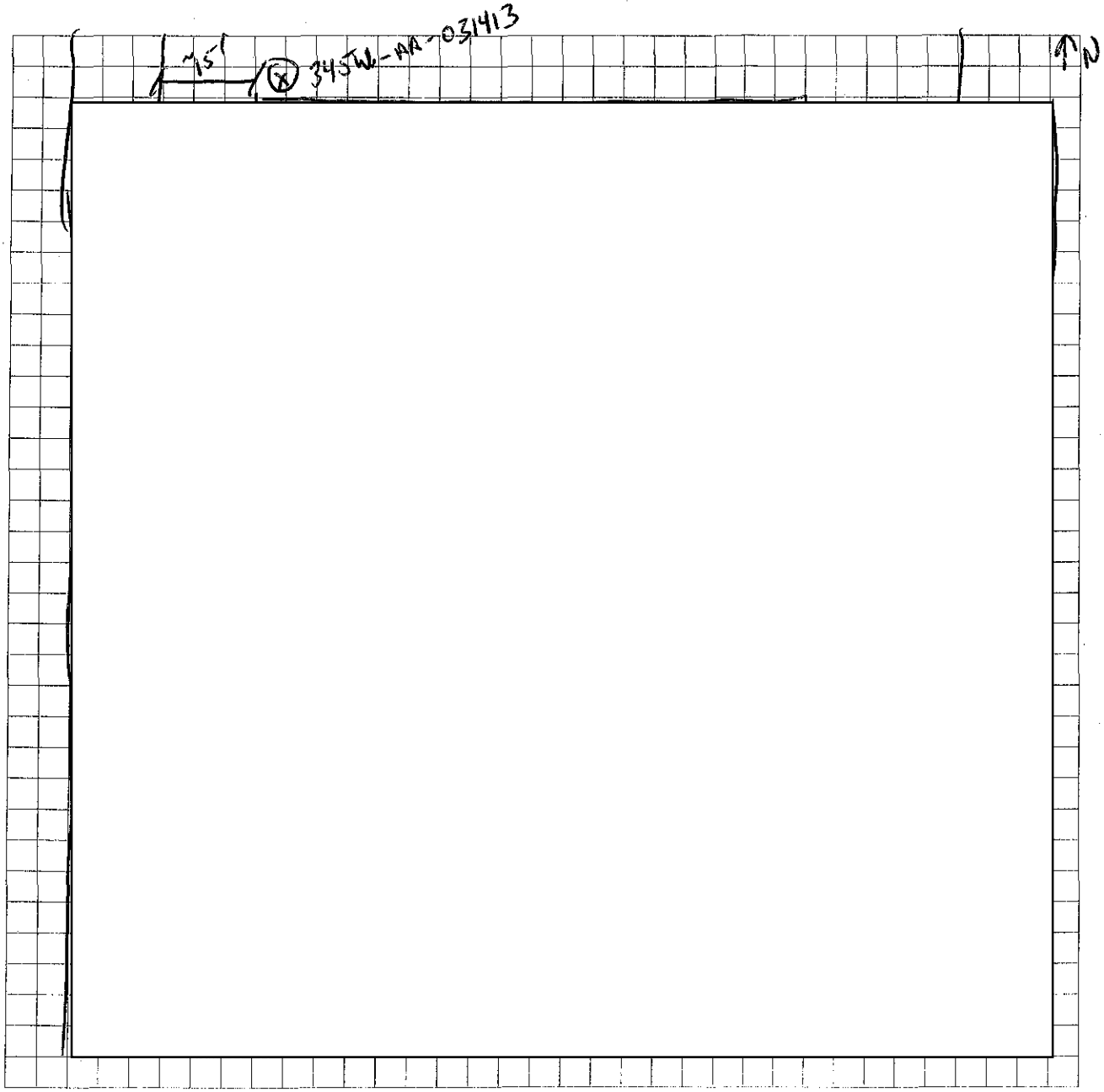
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID RAE 14764

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
basement	Laundry Detergent	25oz	U	NA		Y
basement	bleach	96oz	U	NA		↓
↓	Peak window wash	1 gal	U	NA		↓
basement	Laundry detergent	64x3	U	NA		↓

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project #	49631	Collector(s)	EA/KK	Barometric Pressure(in Hg)	29.83
Project Name	Whitesboro Dry Cleaner	Structure Location	463R	Humidity(%)	50%
Site Code		Sample Location(s)	Main Shop Area	Weather Conditions	Sunny
Date					

Building Survey/Chemical Inventory Form Completed?	Yes
Photographs Taken?	Yes
PID Meter ID	0227886
Date of Calibration	2/27/14

Indoor Air Sample

Sample ID	463R-IA-030314
Canister ID	16494
Flow Controller ID	10529
Date/Time start	3/3/14 1208
Date/Time end	3/4/14 1116
Gauge prior to start	6.0
Start Pressure	-29.34
End Pressure	0.0

Complete all that apply:

Air temperature (°F)	71
PID reading	265
in. tubing used	0
Tubing purged?	NA

For indoor location:

Noticeable odor	None
Floor slab depth	NA
Intake height above floor (in)	48
Floor surface type	Concrete
Room	
Story/level	

Analytical methods required	
Laboratory used	ChemTech
Sample Duration (Intended)	24 hrs

Sub-structure Sample

Sample ID	
Canister ID	
Flow Controller ID	
Date/Time start	
Date/Time end	
Gauge prior to start	
Start Pressure	
End Pressure	

Complete all that apply:

Air temperature (°F)	
PID reading	
in. tubing used	
Tubing purged?	

For indoor location:

Noticeable odor	
Floor slab depth	
Intake depth below floor (in)	
Floor surface type	
Room	
Story/level	
SS-Moisture(Circle)	Dry Damp Saturated
SS-Material(Circle)	Dirt Wood Stone Fill
Tracer Gas(if applicable)	
Chamber concentration	
Purge Concentration	

Circle Sample Type: SS-DUP IA-DUP Indoor Air

Sample ID	
Canister ID	
Flow Controller ID	
Date/Time start	
Date/Time end	
Gauge prior to start	
Start Pressure	
End Pressure	

Complete all that apply:

Air temperature (°F)	
PID reading	
in. tubing used	
Tubing purged?	

For indoor location:

Noticeable odor	
Floor slab depth	
Intake depth below/above floor (in)	
Floor surface type	
Room	
Story/level	

Ambient

Sample ID	
Canister ID	
Flow Controller ID	
Date/Time start	
Date/Time end	
Gauge prior to start	
Start Pressure	
End Pressure	

Complete all that apply:

Air temperature (°F)	
PID reading	
in. tubing used	
Tubing purged?	

For outdoor location:

Noticeable odor	
Distance to road (ft)	
Direction to site building (°)	
Distance to site building (ft)	
Intake height above ground level (in)	
Wind Direction	
Wind Speed	

Comments

463R

OSR – 3

463R

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Eric Alonge Date/Time Prepared 3/3/14

Preparer's Affiliation O'Brien + Gere Phone No. 585-298-2385

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: Commercial

If multiple units, how many? 2

If the property is commercial, type?

Business Type(s) [redacted]

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age Unknown

Is the building insulated? (Y) / N How air tight? (Tight) / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

NA

Airflow near source

NA

Outdoor air infiltration

Minimum

Infiltration into air ducts

NA

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor: UNKNOWN	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls: UNKNOWN	unsealed	sealed	sealed with _____	
h. The basement is: NA	wet	damp	dry	moldy
i. The basement is: FIRST FLOOR	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N	not applicable		

Basement/Lowest level depth below grade: NA (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

NO CRACKS PRESENT, COVERED WITH CARPET

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	NA
1st Floor	THRIFT STORE
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA
Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / N Where? _____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

g. Is there smoking in the building? Y / N How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? weekly _____

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? OCTOBER

k. Is there new carpet, drapes or other textiles? (Y) / N Where & When? OCTOBER

l. Have air fresheners been used recently? (Y) / N When & Type? BATHROOM FRESH

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

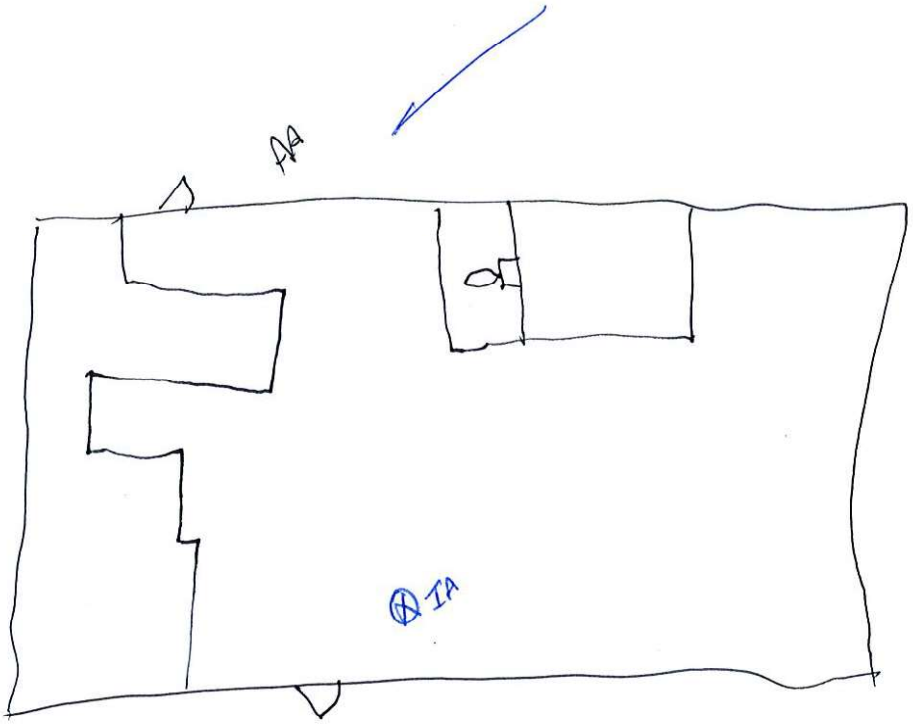
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients NL - NOT LISTED	Field Instrument Reading (units) BG = BACKGROUND	Photo ** Y / N
BATHROOM	LYSOL NEUTRA AIR	10 OZ	GOOD	NL	BG	N
MAIN FLOOR	IDEAL CONTACT CLEANER	10 OZ	GOOD	IPA	BG	N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

467R

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Nate Vogan Date/Time Prepared 9/19/13

Preparer's Affiliation O'Brien + Gere Eng. Phone No. 315-956-6100

Purpose of Investigation Odor complaint

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Vacant

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows None

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
	Oster Spray Disinfectant	16oz	open	ethanol, isobutane, methanol, O-phenylphenol, Ammonium hydroxide		Y
	Therapet Shampoo	1 gallon	UO			Y
	Barbicide	½ gallon	UO	Isopropyl Alcohol, Sodium nitrate, dimethyl benzyl ammonium Chloride		Y
	Premier System Shampoo	1 gallon	UO			Y
	Clorox Greenworks cleaner	1 qt	U	ethanol, alkyl polyglucosides		Y
	Rustoleum Satin White	8oz	O	Ethylbenzene, titanium Dioxide, mineral spirits		Y
	white semi gloss paint	1 gall.	O			Y
	Fresh breath Teeth Gel	4oz	O			Y
	Anti-Stat Hair Control	12oz	O			Y
	DDS Dental wipes	2oz	O	Chlorhexidine gluconate		Y
	Tooth and Gum Wipes	45sh.	O			Y
	Petrodex Breath Spray	4oz	O	methyl salicylate		Y
	Andis Clipper Oil	4oz	O	distillates, petroleum		Y
	Malacetic Otic cleanser	4oz	O	acetic acid, boric acid		Y
	Clorox 4in1 All purpose cleaner	16oz	O	Alkyl, dimethyl benzyl, ammonium chloride		N
	Comet bleach powder	25oz	O	sodium hypochlorite, sodium lauryl sulfate, Sodium Hydroxide		N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

O'BRIEN & GERE

Indoor Air (Canister) Sample Collection Field Form

Project #	49631	Consultant	OBG
Project Name	Whitesboro Dry Cleaners - NYSDEC	Collector	Nate Vogan

Sample ID	467R	Vacuum gauge "zero" ("Hg)	-1 "Hg
Start Date/Time	9/19/13 1238	Start Vacuum ("Hg)	30 " Hg
End Date/Time	9/20/13 1303	End Vacuum ("Hg)	7 " Hg
Canister ID	10262	End Vacuum > "zero"?	
Flow controller ID	10236	Sampling duration (intended)	24 hrs
Associated ambient air sample ID	Ambient - 091913	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA cm	Tubing volume	NA cc
Volume purged	NA cc @	NA min	1 to 3 volumes purged @ < 200cc/min?		NA

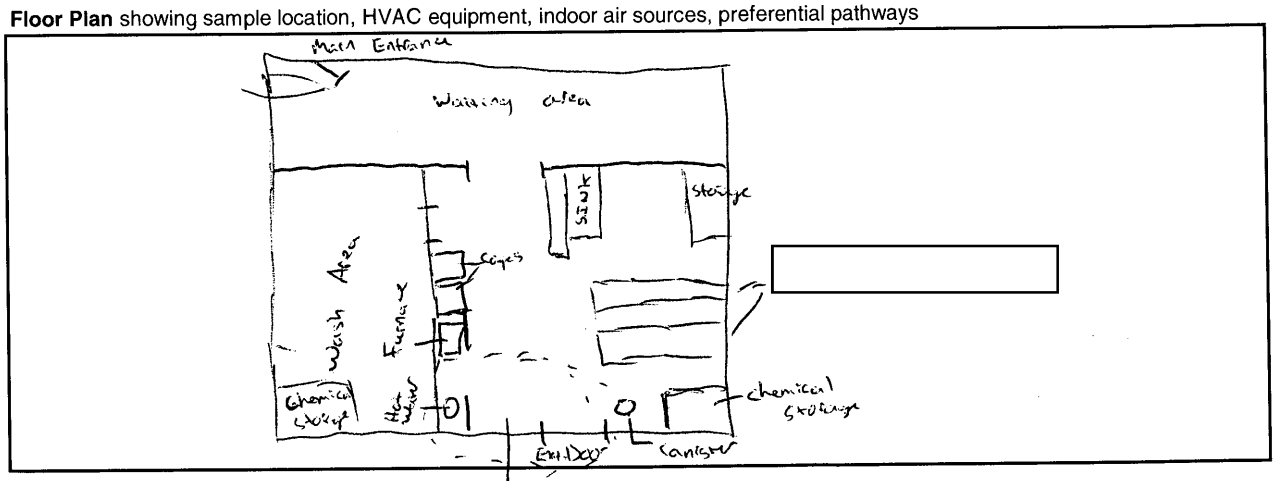
Weather Conditions at Start of Sampling:

Air temperature (°F)	67	Rainfall	NA	Wind direction	NNE
Barometric pressure	30.15	Relative humidity	51%	Wind speed (mph)	3

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Indoor air temp (°F)	70°	Indoor relative humidity (%)	unavailable
Building Survey and Chemical Inventory Form Completed?	Yes	Photograph IDs	

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments:

- Started noticing odors after roof repair in June / July

O'BRIEN & GERE

Ambient Air (Canister) Sample Collection Field Form

Project #	49631	Consultant	OBG
Project Name	Whitesboro Dry Cleaners - NYSDEC	Collector	Nate Vogan

Sample ID	Ambient - 091913	Vacuum gauge "zero" ("Hg)	-3 "Hg
Start Date/Time	9/19/13 1243	Start Pressure ("Hg)	32 "Hg (est. gauge to 30)
End Date/Time	9/20/13 1259	End Pressure ("Hg)	7.5 "Hg
Canister ID	~~1538~~ 10294	End pressure > "zero"?	yes
Flow controller ID	10551	Sampling duration (intended)	24 hours

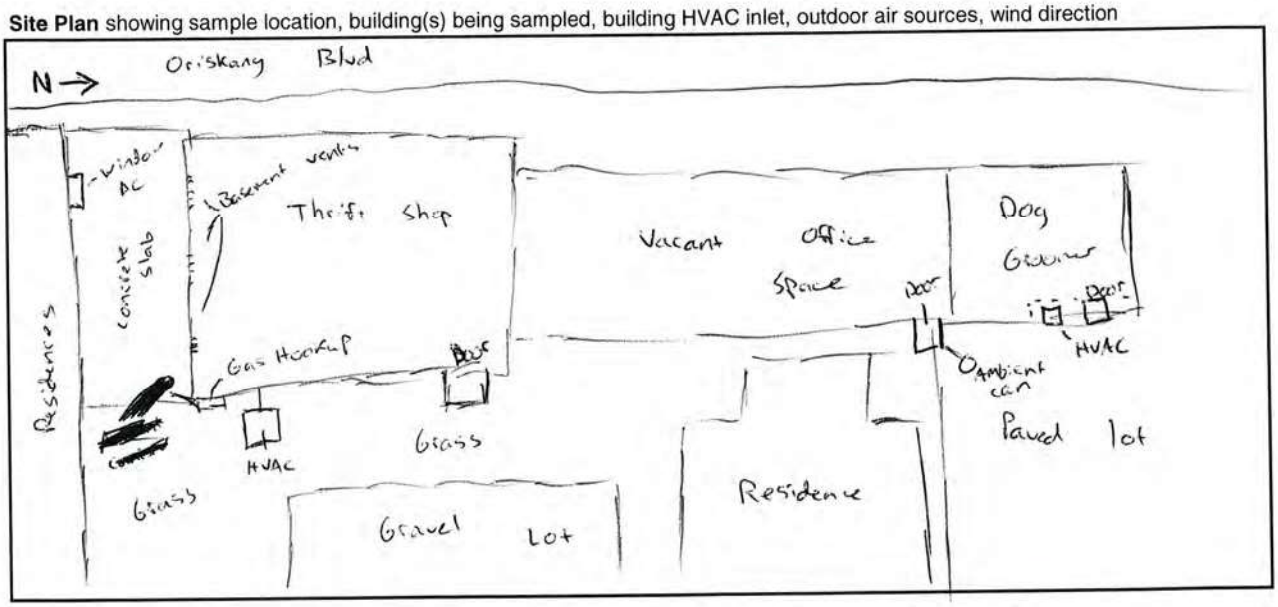
Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?		NA

Weather Conditions at Start of Sampling:

Air temperature (°F)	67	Rainfall	NA	Wind direction	NNE
Barometric pressure	30.15"	Relative humidity	51%	Wind speed (mph)	3

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Site Plan showing sample location, building(s) being sampled, building HVAC inlet, outdoor air sources, wind direction



Comments: Griffiss Intl. Airport used for weather data

Winds to switch to S/SE ~~for~~ overnight

O'BRIEN & GERE

Multiple Vapor Intrusion Sampling Form

Project #	49631	Collector(s)	EA/KK	Barometric Pressure(in Hg)	29.83
Project Name	Whitesboro Dry Cleaner	Structure Location	467R	Humidity(%)	50 %
Site Code		Sample Location(s)	Cleaning Area	Weather Conditions	Sunny
Date	3/3/14				

Building Survey/Chemical Inventory Form Completed?	YES
Photographs Taken?	YES
PID Meter ID	022786
Date of Calibration	2/27/14

Indoor Air Sample		Sub-structure Sample		Circle Sample Type: SS-DUP / IA-DUP / Indoor Air		Ambient	
Sample ID	467R-IA-030314	Sample ID		Sample ID		Sample ID	333R-AA-030314
Canister ID	3361 (10272)	Canister ID		Canister ID		Canister ID	2980 (10153)
Flow Controller ID	10531	Flow Controller ID		Flow Controller ID		Flow Controller ID	1061 4
Date/Time start	3/3/14 1003	Date/Time start		Date/Time start		Date/Time start	1052 3/3/14
Date/Time end	3/4/14 938	Date/Time end		Date/Time end		Date/Time end	1111 3/4/14
Gauge prior to start	0.0	Gauge prior to start		Gauge prior to start		Gauge prior to start	0
Start Pressure	-29.60	Start Pressure		Start Pressure		Start Pressure	-29.22
End Pressure	-3.61	End Pressure		End Pressure		End Pressure	-2.24
Complete all that apply:		Complete all that apply:		Complete all that apply:		Complete all that apply:	
Air temperature (°F)	~70°	Air temperature (°F)		Air temperature (°F)		Air temperature (°F)	(KK) 48°
PID reading	850 ppb	PID reading		PID reading		PID reading	0.0
in. tubing used	0	in. tubing used		in. tubing used		in. tubing used	48"
Tubing purged?	NA	Tubing purged?		Tubing purged?		Tubing purged?	NA
For indoor location:		For indoor location:		For indoor location:		For outdoor location:	
Noticeable odor	No	Noticeable odor		Noticeable odor		Noticeable odor	None
Floor slab depth	NA	Floor slab depth		Floor slab depth		Distance to road (ft)	60
Intake height above floor (in)	~40"	Intake depth below floor (in)		Intake depth below/above floor (in)		Direction to site building (°)	270
Floor surface type	TILE	Floor surface type		Floor surface type		Distance to site building (ft)	3
Room	MAIN	Room		Room		Intake height above ground level (in)	42
Story/level	FIRST	Story/level		Story/level		Wind Direction	WSW
		SS-Moisture(Circle) Dry Damp Saturated				Wind Speed	2.6
Analytical methods required	TO-15	SS-Material(Circle) Dirt Wood Stone Fill					
Laboratory used	Chem Tech	Tracer Gas(if applicable)		Comments			
Sample Duration (Intended)	8	Chamber concentration					
		Purge Concentration					

OSR – 3

467R

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

467R

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Eric Alongi Date/Time Prepared 3/3/14

Preparer's Affiliation O'Brien + Gere Phone No. 585 298 2385

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: Commercial

If multiple units, how many? 2

If the property is commercial, type?

Business Type(s) [redacted]

Does it include residences (i.e., multi-use)? Y (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age UNKNOWN

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

NA

Airflow near source

NA

Outdoor air infiltration

Minimal

Infiltration into air ducts

NA

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type: NA	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor: UNKNOWN	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls: UNKNOWN	unsealed	sealed	sealed with _____	
h. The basement is: NA	wet	damp	dry	moldy
i. The ~~basement~~ First floor is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

No Cracks Present

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	NA
1st Floor	
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type?

g. Is there smoking in the building? Y / (N) How frequently?_____

h. Have cleaning products been used recently? (Y) / N When & Type? BLEACH FLOOR EVERYDAY

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? (Y) / N When & Type? CANDLE

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? _____

o. Is there a clothes dryer? (Y) / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: MODIFIED WITHIN A FEW MONTHS
Is the system active or passive? (Active) Passive 0.5"

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

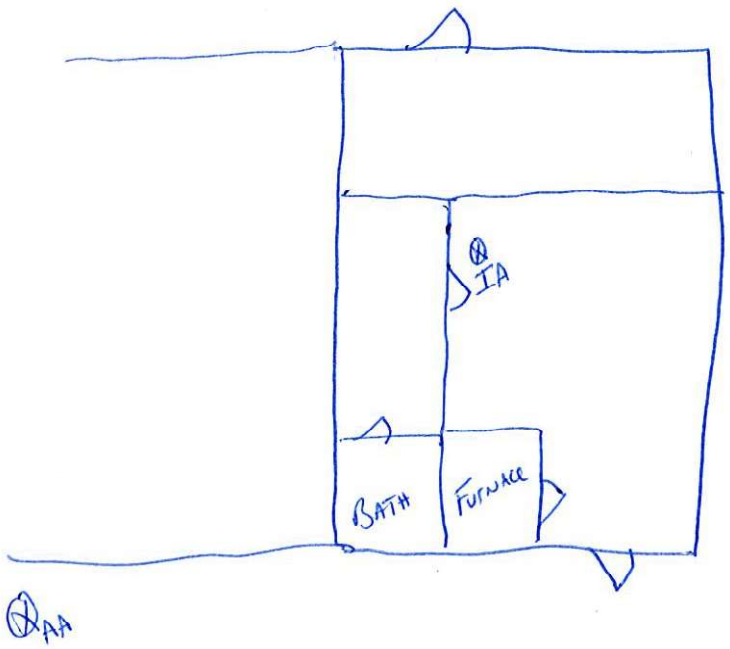
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	409 Cleaner	65/4l	U			
	Glass Plus	32 FLOZ	U			
	Green Works	1qT (2X)	U			
	Ear Miticide	16oz, 16oz, 4oz, 32oz	U	Piperonyl Butoxide		
	Malacetic OTic cleaner	4oz	U	Acetic Acid, Boric Acid		
	Tropiclean Fresh Breath	4oz	U			
	Tar-ific Shampoo	12oz	U	Salicylic Acid		
	Aromacare Shampoo	13.5oz	U	Sodium Chloride		
	Bark Busters Anti-Stat	12oz	U			
	Tomlyn OpTiclean	4oz	U	Sodium Chloride		
	Wonder Fluff Shampoo	16oz	U	N-octyl bicycloheptene Dicarboximide		
	Eff hylyT	8oz	U			
	Hansen's Cherry Re-ins Plus	12oz	U			
	Zymox Enzymatic Shampoo	12oz	U			
	GNC Anti-bacterial Anti-Fungal Shampoo	17oz	U	Chlorhexidine Gluconate, Ketoconazole		
	Selsun Blue	11oz	U	Selenium Sulfide		
	Hydrogen Peroxide	16 oz	U	Hydrogen Peroxide		
	Natural Chemistry De Flea	8oz	U	Sulfosuccinate, Undecylenic Acid		
	DG Green Mint	1.5L	U	Alcohol		

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Clorox Cleaner + Bleach	64 oz	Good Condition	Sodium Hypochlorite	Bathroom
Top Job Bleach	96 oz	Good	None Listed (NL)	
All Detergent	50 oz	Good	NL	
Febreze Lavender Spray	9.7 oz	Good	NL	
Bath + Bodyworks Soap	8 oz	Good	NL	
Davis Fluff-off	32 oz	Good	NL	
OSTO Spray Disinfectant	16 oz	Good	Ethyl Alcohol CAS 64742-47-8	Main Area
OSTO Blade Wash	18 oz	Good	Ethanol, IPA, Isobutane, Propane	
OSTO Kool Lube	14 oz	Good	NL	
Elmers Rubber Cement	8 oz	Good	Petroleum Distillates	
Rustoleum Oil Based Enamel	8 oz	Good	NL	
Zeiter Acrylic Semigloss	1 Gal	Good		
Hydrogen Peroxide	16 oz	Good	H_2O_2	
Malacetil Otic Cleanser	4 oz	Good	Acetic Acid	
	16 oz	Good	NL	
Anti-Stat Hair Control	4 oz	Good	NL	
Andis Clipper Oil	4 oz	Good	NL	
Breath Spray	6 x 2 Gal	Good	NL	
Therapet Shampoo	1 Gal	Good	NL	
Dr Fosters System Shampoo	16 oz	Good	NL	
Pearl Light Shampoo	8 oz	Good	NL	
Fluffy Puppy Shampoo	16 oz	Good	NL	
Unicoat	8 oz	Good	NL	
Hylyt Hypo Allergenic Creme Rinse	8 oz	Good	NL	
Pet Silic Finish				

Vapor Intrusion Sampling Form

Project # 1940100088
Project Name 347A
Date 2/8/22
Collector MBS, LFB

Structure Location

Sample Locations
Basement, Backyard

PID/FID meter ID 049388
Site Code
Sample Duration (Intended) 24 hrs
Op. Unit

Indoor Air Sample		Sub-Slab Sample		Circle Sample Type: Indoor Air / SS-DUP / Ambient / IA-DUP	
Sample ID	PD-IA-01-020822	Sample ID	PD-SS-01-020822	Sample ID	PD-DUP1-020822
Canister ID	1827	Canister ID	9003	Canister ID	1042
Flow Controller ID	3435	Flow Controller ID	3513	Flow Controller ID	3435
Date/Time start	02/07/22 11:17	Date/Time start	02/08/22 11:12 (LB)	Date/Time start	02/07/22 11:17
Date/Time end	02/08/22 11:17	Date/Time end	02/08/22 11:12	Date/Time end	02/08/22 11:17
Gauge prior to start	0	Gauge prior to start	0	Gauge prior to start	0
Start Pressure	-29	Start Pressure	-30.0	Start Pressure	-29
End Pressure	-8	End Pressure	-9	End Pressure	-8
Complete all that apply:		Complete all that apply:		Complete all that apply:	
Air temperature (°F)	30	Air temperature (°F)	30	Air temperature (°F)	30
PID/FID reading	0	PID/FID reading	0	PID/FID reading	0
in. tubing used	NA	in. tubing used	36 in	in. tubing used	NA
Tubing purged?	NA	Tubing purged?	Yes	Tubing purged?	NA
For indoor location:		For indoor location:		For outdoor location:	
Noticeable odor		Noticeable odor	NA	Noticeable odor	
Intake height above floor (in)	36 in	Floor slab depth	6 in	Distance to road (ft)	
Floor surface type	Concrete	Intake depth below floor (in)	6 in	Direction to closest building (degrees)	
Room		Floor surface type		Distance to closest building (ft)	
Story/level		Room		Intake height above ground level (in)	
		Story/level			

Building Survey and Chemical Inventory Form Completed? Yes
Elevated PID Readings? No
Photographs Taken? Yes

Comments:

Analytical method required TO-15
Laboratory used Pace Analytical
Dates samples sent to lab 2/8/22

Vapor Intrusion Sampling Form

Project # 194010068
Project Name 347A

Date 02/08/22
Collector MBS, LFB

Structure Location

Sample Locations 347A

PID/FID meter ID 049388
Site Code
Sample Duration (Intended) 24 Hr
Op. Unit

Basement, Backyard

Indoor Air Sample		Sub-Slab Sample		Circle Sample Type: Indoor Air / SS-DUP / Ambient / IA-DUP
Sample ID		Sample ID		Sample ID PD-AA-01-020822
Canister ID		Canister ID		Canister ID 9077
Flow Controller ID		Flow Controller ID		Flow Controller ID 3514
Date/Time start		Date/Time start		Date/Time start 02/07/22 11:37
Date/Time end		Date/Time end		Date/Time end 02/08/22 1122
Gauge prior to start		Gauge prior to start		Gauge prior to start 0
Start Pressure		Start Pressure		Start Pressure -28
End Pressure		End Pressure		End Pressure -6
Complete all that apply:		Complete all that apply:		Complete all that apply:
Air temperature (°F)		Air temperature (°F)		Air temperature (°F) 30
PID/FID reading		PID/FID reading		PID/FID reading 0
in. tubing used		in. tubing used		in. tubing used NA
Tubing purged?		Tubing purged?		Tubing purged? NA
For indoor location:		For indoor location:		For outdoor location:
Noticeable odor		Noticeable odor		Noticeable odor No
Intake height above floor (in)		Floor slab depth		Distance to road (ft) 100
Floor surface type		Intake depth below floor (in)		Direction to closest building (degrees) 180
Room		Floor surface type		Distance to closest building (ft) 15'
Story/level		Room		Intake height above ground level (in) 36"
		Story/level		

Building Survey and Chemical Inventory Form Completed? Yes
Photographs Taken? Yes
Elevated PID Readings? No

Comments:

Analytical method required TO-15
Laboratory used Pace Analytical
Dates samples sent to lab 2/8/22

RAMBOLL

Indoor Air Quality
Building Survey

Date: 02/07/2022
Collector: MBS/LFB
Affiliation: Ramboll

Access Contact: Nick Spudie
Phone: 315-272-6435
Best time to contact:

Address: 347A
Whitesboro, NY 13492
Tax ID:

Owner ☐ Renter ☐ Other ☐

Access Agreement Signed?:

Date built
Yrs. of residence
No. of occupants

Building type:
Residential ☑
Commercial ☐
School ☐
Church ☐
Industrial ☐
Other

Check all that apply:

Ranch ☐
Cape ☐
3-Family ☐
Raised Ranch ☑
Colonial ☐
Mobile Home ☐
2-Family ☐
Duplex ☐
Other (specify)
Apartments ☐
Condominium ☐

Above grade building construction

Wood frame ☑
Brick ☐
Poured concrete ☐
Concrete block ☐
Stone ☐
Other

Foundation construction

Fieldstone ☐
Poured concrete ☐
Solid top concrete block ☐
Open top concrete block ☑
Slab on grade ☐
Other

Is the owner aware of any additions made to the original design of the structure? (please specify)

Utilities

Sewer:
Public ☑
Private ☐
Other

Water:
Public ☑
Private ☐
Other
Spring ☐
Well ☐

Hot water heater type:
Gas ☐
Oil ☐
Electric ☑
Other

Heating, ventilation, and air conditioning systems

Primary heat type:
Hot air ☐
Hot water ☑
Steam radiator ☐
Electric ☐
Other

Fuel type (heat):
Natural gas ☐
Fuel oil ☐
Electric ☑
Wood ☐
Other

Secondary heat type:
Kerosene ☐
Wood stove ☐
Electric ☐
Propane ☐
Other

Ventilation types:
Attic fan ☐
Kitchen hood ☐
Bathroom fan ☑
Other
Whole house fan ☐
Air filtration ☐
Induced fireplace ☐
Other

Air conditioning:
Window units ☐
Furnance unit ☐
Electric ☐
Other

RAMBOLL

Indoor Air Quality
Building Survey

Date: 02/07/22
Collector:
Affiliation: Ramboll

Basement type

None ☐ Half ☐ Vented crawlspace ☐ Other _____
Full ☑ Slab on grade ☐ Unvented crawlspace ☐

If slab on grade, is there a garage with occupied space above? _____

Basement depth below grade (feet)

Front 8 Rear 8 Side 1 8 Side 2 8

Basement characteristics

General:
No. of rooms ☐
Bathroom ☐
Basement use _____

Floor:
Earth ☐
Concrete ☑
Tile ☐
Carpet ☐
Other _____

Walls:
Finished ☐
Unfinished ☑
Painted ☐
Sheetrock ☐
Other _____

Paneling ☐
Tile ☐
Insulated ☐
Uninsulated ☑

Check if present:
Fireplace ☐
Sump pump ☐
Floor drains ☐
Interior walls ☐

Elevator ☐
Ash cleanout ☐
Water damage ☐
Jacuzzi/hot tub ☐

French drain ☐
Floor cracks ☐
Wall cracks ☐
Other _____

Does the basement have a moisture problem? No
Does the basement ever flood? (specify frequency) No
Does the basement have a radon system installed? No
Has there been recent purchases of furnishings (carpets, rugs, linoleum, tile, or funiture) or remodeling (new construction,roofing, or floor stripping? (please specify) N/O

Chemical usage, exposure and storage

Identify occupant hobbies:
Painting ☐
Stained glass ☐
Jewelry making ☐

Electronics ☐
Woodworking ☐
Furniture refinishing ☐

Model making ☐
Auto repair ☐
Other _____

Where in the structure are these hobbies conducted?
Does the occupants' job require chemical exposure?
If so, where are the occupants clothes cleaned?

Has the structure been fumigated in the last year?
If so, is fumigation regularly performed? (how often)
Are pesticides frequently applied to lawn or garden?
If so, are they stored on the property?

RAMBOLL

Indoor Air Quality
Building Survey

Date: 02/07/22
Collector:
Affiliation: Ramboll

Identify chemicals stored in the basement/1st floor living space, or garage if structure is slab on grade (include fuels, solvents, cleaners, etc.) Use separate inventory sheet for each area surveyed

Brand	Product	Amount stored	PID Reading
JASCO	PAINT THINNER	1 gal	
BEHR	PAINT	3 gal	
BLASTER	GRAPHITE LUBE	10 oz	
RUST-OLEUM	RUST REFORMER	30 oz	
KLEAN STRIP	TURPENTINE	1 QUART	
SPECTRACIDE	WASP KILLER	70 oz	
BONDEX	BORDER ADHESIVE	1 QT	

Comments

Is there any other information about the structural features of this building, the habits of its occupants or potential sources for chemical contaminents to the indoor air that may be of importance in facilitating the evaluation of the indoor air quality of the building?

Vapor Intrusion Sampling Form

Project # 19401000088
Project Name 347A

Date 2/20/23 - 2/21/23
Collector JAK, LFB

Structure Location
Basement

Sample Locations
SS, DUP, IA

PID/FID meter ID 0.0ppb
Site Code
Sample Duration (Intended) 24hr
Op. Unit

Indoor Air Sample		Sub-Slab Sample		Circle Sample Type: Indoor Air (SS-DUP) Ambient IA-DUP	
Sample ID	PD-IA01-022023	Sample ID	PD-SS01-022023	Sample ID	PD-Dup1-022023
Canister ID	2130	Canister ID	1747	Canister ID	1621
Flow Controller ID	3537	Flow Controller ID	3435	Flow Controller ID	3435
Date/Time start	2/20/23 10:21	Date/Time start	2/20/23 10:19	Date/Time start	2/20/23 10:19
Date/Time end	2/21/23 10:21	Date/Time end	2/21/23 10:19	Date/Time end	2/21/23 10:19
Gauge prior to start	0	Gauge prior to start	0	Gauge prior to start	0
Start Pressure	-30	Start Pressure	-28	Start Pressure	-28
End Pressure	-9	End Pressure	-5	End Pressure	-5
Complete all that apply:		Complete all that apply:		Complete all that apply:	
Air temperature (°F)	~70°F	Air temperature (°F)	~~FP~~ ~70°F	Air temperature (°F)	-
PID/FID reading	251	PID/FID reading	251	PID/FID reading	-
in. tubing used	N/A	in. tubing used	36"	in. tubing used	-
Tubing purged?	N/A	Tubing purged?	Y-3X	Tubing purged?	-
For indoor location:		For indoor location:		For outdoor location:	
Noticeable odor	Y - Basement Moisture	Noticeable odor	Y - Basement moisture	Noticeable odor	-
Intake height above floor (in)	36"	Floor slab depth	6"	Distance to road (ft)	-
Floor surface type	Conc.	Intake depth below floor (in)	1"	Direction to closest building (degrees)	-
Room	Basement	Floor surface type	Conc.	Distance to closest building (ft)	-
Story/level	Basement	Room	Basement	Intake height above ground level (in)	-
		Story/level	Basement		

Building Survey and Chemical Inventory Form Completed? Yes
Photographs Taken? Yes
Elevated PID Readings? 100-500ppb

Comments:

Analytical method required TO-15
Laboratory used Centek
Dates samples sent to lab 2/21/23

Vapor Intrusion Sampling Form

Project # 1940100088
Project Name 347A
Date 2/20 - 2/21/23
Collector JAK, LFB

Structure Location
Southwest side of Stadium

Sample Locations
Ambient A:R

PID/FID meter ID 0 ppb
Site Code
Sample Duration (Intended) 24hr
Op. Unit

Indoor Air Sample		Sub-Slab Sample		Circle Sample Type: Indoor Air SS-DUP (Ambient) IA-DUP	
Sample ID	N/A	Sample ID	N/A	Sample ID	PD-AA01-022023
Canister ID	-	Canister ID	-	Canister ID	1999
Flow Controller ID	-	Flow Controller ID	-	Flow Controller ID	3519
Date/Time start	-	Date/Time start	-	Date/Time start	2/20/23 10:33
Date/Time end	-	Date/Time end	-	Date/Time end	2/21/23 10:33
Gauge prior to start	-	Gauge prior to start	-	Gauge prior to start	0
Start Pressure	-	Start Pressure	-	Start Pressure	-28
End Pressure	-	End Pressure	-	End Pressure	-6
Complete all that apply:		Complete all that apply:		Complete all that apply:	
Air temperature (°F)	-	Air temperature (°F)	-	Air temperature (°F)	46°F
PID/FID reading	-	PID/FID reading	-	PID/FID reading	0-10ppb
in. tubing used	-	in. tubing used	-	in. tubing used	N/A
Tubing purged?	-	Tubing purged?	-	Tubing purged?	N/A
For indoor location:		For indoor location:		For outdoor location:	
Noticeable odor	-	Noticeable odor	-	Noticeable odor	NO
Intake height above floor (in)	-	Floor slab depth	-	Distance to road (ft)	100 Ft
Floor surface type	-	Intake depth below floor (in)	-	Direction to closest building (degrees)	30 Ft NE
Room	-	Floor surface type	-	Distance to closest building (ft)	30Ft
Story/level	-	Room	-	Intake height above ground level (in)	66"
		Story/level			

Building Survey and Chemical Inventory Form Completed? N/A
Elevated PID Readings? N
Photographs Taken? Y

Comments:

Analytical method required TO-15
Laboratory used Contest
Dates samples sent to lab 2/21/23

RAMBOLL

Indoor Air Quality Building Survey

Date: 2/20/23 - 2/21/23
Collector: JAK, LFB
Affiliation: Ramboll

Access Contact: Nick Spudie
Phone: 315-272-6435
Best time to contact:

Address: 347A Whitesboro, NY 13492
Tax ID:

Owner [✓] Renter [ ] Other [ ]

Access Agreement Signed?:

Date built: 1956
Yrs. of residence: 7
No. of occupants: 2

Building type:
Residential [✓] Commercial [ ]
School [ ] Church [ ]
Industrial [ ] Other [ ]

Check all that apply:

Ranch [ ] Cape [ ] 3-Family [ ]
Raised Ranch [✓] Colonial [ ] Mobile Home [ ]
2-Family [ ] Duplex [ ] Other (specify)
Apartments [ ] Condominium [ ]

Above grade building construction

Wood frame [✓] Brick [ ]
Poured concrete [ ] Concrete block [ ]
Stone [ ] Other

Foundation construction

Fieldstone [ ] Poured concrete [ ]
Solid top concrete block [ ] Open top concrete block [✓]
Slab on grade [ ] Other

Is the owner aware of any additions made to the original design of the structure? (please specify)

Utilities

Sewer: Public [✓] Private [ ] Other
Water: Public [✓] Private [ ] Other
Spring [ ] Well [ ]
Hot water heater type: Gas [ ] Oil [ ] Electric [✓] Other

Heating, ventilation, and air conditioning systems

Primary heat type: Hot air [ ] Hot water [✓] Steam radiator [ ] Electric [ ] Other
Fuel type (heat): Natural gas [ ] Fuel oil [ ] Electric [✓] Wood [ ] Other
Secondary heat type: Kerosene [ ] Wood stove [ ] Electric [ ] Propane [ ] Other

Ventilation types: Attic fan [ ] Kitchen hood [ ] Bathroom fan [✓] Other
Whole house fan [ ] Air filtration [ ] Induced fireplace [ ] Other
Air conditioning: Window units [ ] Furnance unit [ ] Electric [ ] Other

RAMBOLL

Indoor Air Quality
Building Survey

Date: 2/20 - 2/21/23
Collector: JAK, LFB
Affiliation: Ramboll

Basement type

None ☐ Half ☐ Vented crawlspace ☐ Other _____
Full ☑ Slab on grade ☐ Unvented crawlspace ☐

If slab on grade, is there a garage with occupied space above? _____

Basement depth below grade (feet)

Front 8 Rear 8 Side 1 8 Side 2 8

Basement characteristics

General:
No. of rooms 3
Bathroom ☐
Basement use _____

Floor:
Earth ☐
Concrete ☑
Tile ☐
Carpet ☐
Other _____

Walls:
Finished ☐
Unfinished ☑
Painted ☐
Sheetrock ☐
Other _____

Paneling ☐
Tile ☐
Insulated ☐
Uninsulated ☑

Check if present:

Fireplace ☐
~~Sump pump~~ ☑
Floor drains ☑
Interior walls ☐

Elevator ☐
Ash cleanout ☐
Water damage ☐
Jacuzzi/hot tub ☐

French drain ☑
Floor cracks ☐
Wall cracks ☑
Other (raw) space (Dirt Floor)

Does the basement have a moisture problem? No
Does the basement ever flood? (specify frequency) No
Does the basement have a radon system installed? No
Has there been recent purchases of furnishings (carpets, rugs, linoleum, tile, or funiture) or remodeling (new construction,roofing, or floor stripping? (please specify) No

Chemical usage, exposure and storage

Identify occupant hobbies:

Painting ☑
Stained glass ☐
Jewelry making ☐

Electronics ☐
Woodworking ☐
Furniture refinishing ☐

Model making ☐
Auto repair ☐
Other _____

Where in the structure are these hobbies conducted? Basement
Does the occupants' job require chemical exposure? No
If so, where are the occupants clothes cleaned? NA

Has the structure been fumigated in the last year? No
If so, is fumigation regularly performed? (how often) ~~Not~~ No
Are pesticides frequently applied to lawn or garden? 1 time a year (Round UP)
If so, are they stored on the property? Not on Site

RAMBOLL

Indoor Air Quality
Building Survey

Date: 2/20 - 2/21/23
Collector: JAK, LFB
Affiliation: Ramboll

Identify chemicals stored in the basement/1st floor living space, or garage if structure is slab on grade (include fuels, solvents, cleaners, etc.) Use separate inventory sheet for each area surveyed

Brand	Product	Amount stored	PID Reading
United Coatings	Linseed Oil	1 qt	
Bondo	Fiberglass Resin	16 oz	
Zar	Wood Stain	½ Pt	
Kilz	Sealer - Primer	13 oz	
General Coatings	Floor + Trim enamel	~~32 oz~~ 64 oz	
Woolworth	Spray on Snow	13 oz	
Bondo	Rust Remover	8 oz	
Krylon	Spray Paint	13 oz	
Krylon	Spray adhesive	13 oz	
Minwax	Polyurethane	1 pt	
Z-Seal	Wood sealer	1 qt	
Gunk	Heavy duty engine Cleaner	13 oz	
Fays	Spray enamel	13 oz	
Spectracide	Hornet killer	3 x 20 oz	
Rust-oleum	Rust Reforme	10.25 oz x2	
Rust-oleum	Protective enamel	12 oz	
Rust-oleum	Satin	12 oz	
Rapel	insect Repellent	2 x 6 oz	
Scotts	outdoor Cleaner	1 gal	
Rust-oleum	interior ~~Satin~~ Paint	32 oz x2	
~~Krylon~~ Krylon	Acrylic Latex	32 oz	

Recently sprayed in Basement

Comments

Is there any other information about the structural features of this building, the habits of its occupants or potential sources for chemical contaminents to the indoor air that may be of importance in facilitating the evaluation of the indoor air quality of the building?

Crawl space (Dirt floor) under kitchen
Pipe trench North east basement corner

Building Survey - Chemical Inventory Attachment

Preparer's Name: JAK, LFB
Preparer's Affiliation: Ramboll
Site Name: whitesboro
Date: 2/20 - 2/21/23
Room/Area: Basement
Address: 347A

Identify chemicals stored in the basement (or 1st floor living space/garage if structure is slab on grade). Include fuels, solvents, cleaners, etc. Use separate inventory sheet for each room/area surveyed

Brand/Product	Volatile ingredients/CAS Nos.	Amount stored
Blaster Dry Lube		5.5 oz
Klean Strip Turpentine		1 qt
A Pac Roof Cement		10 oz
Bondex Boarder adhesive		1 Qt
Wearever Brake Cleaner (non-Chlorinated)		14 oz
Hey Dumensican Mildew cleaner (Contains methylene chloride)		14 oz
Super tech engine starting fluid		11 oz
PB Blaster		12 oz
Rain X washer fluid additive		16.9 oz
Power D-Iced		2 oz
Turtle wax Super protectant		16 oz
Rain X anti fog		3.5 oz
Oatey ~~Bader~~ PVC cement (Methyl Ethyl Ketone)		3.5 oz
Oatey PVC Primer (Methyl Ethyl Ketone)		8 oz
Mag-1 Lithium Grease		3 x 3 oz
Goo-Gone Profoamer		24 oz
Kastrol Transmax		16 oz
Super tech 5W-20 oil		2 x 16 oz
Supertech engine degreaser		2 x 18 oz
Minimax Polycrylic		32 oz
Minimax Wood finish		8 x 5 oz
Rust oleum Peel coat		10 oz
Minimax Polyurethane		11.5 oz
Gunk Super oil		4 oz
Liquid Wrench chain Lube		10 oz
CRC Mass Air flow		10 oz
Blue Coral Wash + Wax		10 oz
Supertech fuel injector		2.5 oz
Klean Strip Mineral Spirits		1 Qt
Jasco Paint thinner		1 gallon
Behr Paint		1 gallon x 3
Parks no drip strip (Methylene Chloride free)		32 fl oz

Homeowner recent use in past week

APPENDIX L
CAMP LOGS

Downwind Logs

TrakPro Version 4.51 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530084510
Test ID:,001
Test Abbreviation:,MANUAL_001
Start Date:,11/21/2013
Start Time:,09:53:24
Duration (dd:hh:mm:ss):,0:03:39:00
Log Interval (mm:ss):,01:00
Number of points:,219
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.011
,Minimum:,0.001
,Time of Minimum:,13:29:24
,Date of Minimum:,11/21/2013
,Maximum:,0.046
,Time of Maximum:,10:57:24
,Date of Maximum:,11/21/2013

Calibration,Sensor:,AEROSOL
,Cal. date,09/30/2013

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
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11/21/2013,09:55:24,0.016
11/21/2013,09:56:24,0.024
11/21/2013,09:57:24,0.027
11/21/2013,09:58:24,0.016
11/21/2013,09:59:24,0.032
11/21/2013,10:00:24,0.016
11/21/2013,10:01:24,0.016
11/21/2013,10:02:24,0.016
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13/11/21 08:15

****

Summary

Unit Name MiniRAE 3000
Unit SN 592-910712
Unit Firmware Ver V1.20

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/11/21 08:15:21
End 2013/11/21 12:33:15
Sample Period(s) 900
Number of Records 17

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 5.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/11/21 08:14
Peak 0.061
Min 0.000
Average 0.030

****

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	
001	2013/11/21 08:30:21	0.002	0.040	0.000	
002	2013/11/21 08:45:21	0.001	0.033	0.002	
003	2013/11/21 09:00:21	0.013	0.129	0.019	
004	2013/11/21 09:15:21	0.017	0.096	0.015	
005	2013/11/21 09:30:21	0.021	0.068	0.061	
006	2013/11/21 09:45:21	0.025	0.126	0.024	
007	2013/11/21 10:00:21	0.028	0.874	0.018	
008	2013/11/21 10:15:21	0.023	0.086	0.021	
009	2013/11/21 10:30:21	0.030	0.074	0.031	
010	2013/11/21 10:45:21	0.040	0.223	0.035	
011	2013/11/21 11:00:21	0.040	0.150	0.040	
012	2013/11/21 11:15:21	0.046	0.198	0.033	
013	2013/11/21 11:30:21	0.038	0.189	0.050	
014	2013/11/21 11:45:21	0.035	0.130	0.030	
015	2013/11/21 12:00:21	0.039	0.126	0.040	
016	2013/11/21 12:15:21	0.041	0.082	0.040	
017	2013/11/21 12:30:21	0.043	0.082	0.045	
Peak		0.046	0.874	0.061	
Min		0.001	0.033	0.000	
Average		0.028	0.159	0.030	

****

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/11/21 08:30:21	0.000	0.000	
002	2013/11/21 08:45:21	0.000	0.002	
003	2013/11/21 09:00:21	0.001	0.019	
004	2013/11/21 09:15:21	0.001	0.015	
005	2013/11/21 09:30:21	0.003	0.061	
006	2013/11/21 09:45:21	0.004	0.024	
007	2013/11/21 10:00:21	0.004	0.018	
008	2013/11/21 10:15:21	0.005	0.021	
009	2013/11/21 10:30:21	0.006	0.031	
010	2013/11/21 10:45:21	0.007	0.035	
011	2013/11/21 11:00:21	0.008	0.040	
012	2013/11/21 11:15:21	0.009	0.033	
013	2013/11/21 11:30:21	0.011	0.050	
014	2013/11/21 11:45:21	0.012	0.030	
015	2013/11/21 12:00:21	0.013	0.040	
016	2013/11/21 12:15:21	0.014	0.040	
017	2013/11/21 12:30:21	0.016	0.045	

TrakPro Version 4.41 ASCII Data File

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,85200402"
"Test ID:,001"
"Test Abbreviation:,"
"Start Date:,04/02/2013"
"Start Time:,08:59:17"
"Duration (dd:hh:mm:ss):,0:02:45:00"
"Time constant (seconds):,10"
"Log Interval (mm:ss):,15:00"
"Number of points:,11"
"Notes:,"

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",Units:,mg/m^3"
",Average:,0.000"
",Minimum:,-0.003"
",Time of Minimum:,10:14:17"
",Date of Minimum:,04/02/2013"
",Maximum:,0.012"
",Time of Maximum:,10:29:17"
",Date of Maximum:,04/02/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,10/23/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/02/2013,09:14:17,-0.002"
"04/02/2013,09:29:17,-0.002"
"04/02/2013,09:44:17,-0.001"
"04/02/2013,09:59:17,-0.002"
"04/02/2013,10:14:17,-0.003"
"04/02/2013,10:29:17,0.012"
"04/02/2013,10:44:17,0.001"
"04/02/2013,10:59:17,0.000"
"04/02/2013,11:14:17,-0.001"
"04/02/2013,11:29:17,-0.002"
"04/02/2013,11:44:17,-0.001"

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,85200402"
"Test ID:,002"
"Test Abbreviation:,"
"Start Date:,04/02/2013"
"Start Time:,12:31:08"
"Duration (dd:hh:mm:ss):,0:03:45:00"
"Time constant (seconds):,10"
"Log Interval (mm:ss):,15:00"
"Number of points:,15"
"Notes:,"

"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.000"
",Minimum:,-0.002"
",Time of Minimum:,12:46:08"
",Date of Minimum:,04/02/2013"
",Maximum:,0.002"
",Time of Maximum:,15:46:08"

",Date of Maximum:,04/02/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,10/23/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/02/2013,12:46:08,-0.002"
"04/02/2013,13:01:08,0.000"
"04/02/2013,13:16:08,0.000"
"04/02/2013,13:31:08,-0.001"
"04/02/2013,13:46:08,-0.002"
"04/02/2013,14:01:08,-0.002"
"04/02/2013,14:16:08,-0.002"
"04/02/2013,14:31:08,0.000"
"04/02/2013,14:46:08,0.000"
"04/02/2013,15:01:08,0.000"
"04/02/2013,15:16:08,0.001"
"04/02/2013,15:31:08,0.000"
"04/02/2013,15:46:08,0.002"
"04/02/2013,16:01:08,0.002"
"04/02/2013,16:16:08,0.002"

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,85200402"
"Test ID:,003"
"Test Abbreviation:,"
"Start Date:,04/03/2013"
"Start Time:,08:36:07"
"Duration (dd:hh:mm:ss):,0:02:00:00"
"Time constant (seconds):,10"
"Log Interval (mm:ss):,15:00"
"Number of points:,8"
"Notes:,"

"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.000"
",Minimum:,-0.001"
",Time of Minimum:,09:21:07"
",Date of Minimum:,04/03/2013"
",Maximum:,0.000"
",Time of Maximum:,08:51:07"
",Date of Maximum:,04/03/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,10/23/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/03/2013,08:51:07,0.000"
"04/03/2013,09:06:07,0.000"
"04/03/2013,09:21:07,-0.001"
"04/03/2013,09:36:07,0.000"
"04/03/2013,09:51:07,0.000"
"04/03/2013,10:06:07,0.000"
"04/03/2013,10:21:07,0.000"
"04/03/2013,10:36:07,0.000"

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,85200402"

"Test ID:,004"
"Test Abbreviation:,"
"Start Date:,04/04/2013"
"Start Time:,08:04:07"
"Duration (dd:hh:mm:ss):,0:00:30:00"
"Time constant (seconds):,10"
"Log Interval (mm:ss):,15:00"
"Number of points:,2"
"Notes:,"

"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.013"
",Minimum:,0.011"
",Time of Minimum:,08:19:07"
",Date of Minimum:,04/04/2013"
",Maximum:,0.014"
",Time of Maximum:,08:34:07"
",Date of Maximum:,04/04/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,10/23/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/04/2013,08:19:07,0.011"
"04/04/2013,08:34:07,0.014"

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,85200402"
"Test ID:,005"
"Test Abbreviation:,"
"Start Date:,04/04/2013"
"Start Time:,11:38:33"
"Duration (dd:hh:mm:ss):,0:00:15:00"
"Time constant (seconds):,10"
"Number of points:,1"
"Notes:,"

"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.012"
",Minimum:,0.012"
",Time of Minimum:,11:53:33"
",Date of Minimum:,04/04/2013"
",Maximum:,0.012"
",Time of Maximum:,11:53:33"
",Date of Maximum:,04/04/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,10/23/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/04/2013,11:53:33,0.012"

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,85200402"
"Test ID:,006"
"Test Abbreviation:,"
"Start Date:,04/04/2013"

"Start Time:,14:37:03"
"Duration (dd:hh:mm:ss):,0:01:45:00"
"Time constant (seconds):,10"
"Log Interval (mm:ss):,15:00"
"Number of points:,7"
"Notes:,"

"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.012"
",Minimum:,0.011"
",Time of Minimum:,15:07:03"
",Date of Minimum:,04/04/2013"
",Maximum:,0.013"
",Time of Maximum:,15:22:03"
",Date of Maximum:,04/04/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,10/23/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/04/2013,14:52:03,0.012"
"04/04/2013,15:07:03,0.011"
"04/04/2013,15:22:03,0.013"
"04/04/2013,15:37:03,0.013"
"04/04/2013,15:52:03,0.012"
"04/04/2013,16:07:03,0.013"
"04/04/2013,16:22:03,0.013"

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,85200402"
"Test ID:,007"
"Test Abbreviation:,"
"Start Date:,04/05/2013"
"Start Time:,07:56:07"
"Duration (dd:hh:mm:ss):,0:03:00:00"
"Time constant (seconds):,10"
"Log Interval (mm:ss):,15:00"
"Number of points:,12"
"Notes:,"

"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.026"
",Minimum:,0.016"
",Time of Minimum:,09:26:07"
",Date of Minimum:,04/05/2013"
",Maximum:,0.042"
",Time of Maximum:,08:41:07"
",Date of Maximum:,04/05/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,10/23/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/05/2013,08:11:07,0.039"
"04/05/2013,08:26:07,0.039"
"04/05/2013,08:41:07,0.042"
"04/05/2013,08:56:07,0.035"
"04/05/2013,09:11:07,0.028"

```
"04/05/2013,09:26:07,0.016"
"04/05/2013,09:41:07,0.021"
"04/05/2013,09:56:07,0.016"
"04/05/2013,10:11:07,0.020"
"04/05/2013,10:26:07,0.022"
"04/05/2013,10:41:07,0.021"
"04/05/2013,10:56:07,0.019"
```

TrakPro Version 4.51 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530130710
Test ID: 001
Test Abbreviation: TEST 1_001
Start Date: 04/15/2013
Start Time: 11:45:31
Duration (dd:hh:mm:ss): 0:04:42:00
Log Interval (mm:ss): 01:00
Number of points: 282
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: -0.009
 Minimum: -0.013
 Time of Minimum: 15:05:31
 Date of Minimum: 04/15/2013
 Maximum: 0.016
 Time of Maximum: 12:16:31
 Date of Maximum: 04/15/2013

Calibration Sensor: AEROSOL
 Cal. date 02/14/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/15/2013 11:46:31 -0.003
04/15/2013 11:47:31 -0.003
04/15/2013 11:48:31 -0.003
04/15/2013 11:49:31 -0.003
04/15/2013 11:50:31 -0.004
04/15/2013 11:51:31 -0.004
04/15/2013 11:52:31 -0.004
04/15/2013 11:53:31 -0.004
04/15/2013 11:54:31 -0.004
04/15/2013 11:55:31 -0.005
04/15/2013 11:56:31 -0.004
04/15/2013 11:57:31 -0.004
04/15/2013 11:58:31 -0.005
04/15/2013 11:59:31 -0.005
04/15/2013 12:00:31 -0.005
04/15/2013 12:01:31 -0.005
04/15/2013 12:02:31 -0.005
04/15/2013 12:03:31 -0.005
04/15/2013 12:04:31 -0.006
04/15/2013 12:05:31 -0.005
04/15/2013 12:06:31 -0.005
04/15/2013 12:07:31 -0.006
04/15/2013 12:08:31 -0.006
04/15/2013 12:09:31 -0.005
04/15/2013 12:10:31 -0.007
04/15/2013 12:11:31 -0.006
04/15/2013 12:12:31 -0.006
04/15/2013 12:13:31 -0.006
04/15/2013 12:14:31 -0.007
04/15/2013 12:15:31 -0.006
04/15/2013 12:16:31 0.016
04/15/2013 12:17:31 0.006
04/15/2013 12:18:31 -0.004
04/15/2013 12:19:31 -0.006

04/15/2013 12:20:31 -0.006
04/15/2013 12:21:31 -0.006
04/15/2013 12:22:31 -0.007
04/15/2013 12:23:31 -0.007
04/15/2013 12:24:31 -0.007
04/15/2013 12:25:31 -0.008
04/15/2013 12:26:31 -0.007
04/15/2013 12:27:31 -0.008
04/15/2013 12:28:31 -0.008
04/15/2013 12:29:31 -0.007
04/15/2013 12:30:31 -0.008
04/15/2013 12:31:31 -0.007
04/15/2013 12:32:31 -0.007
04/15/2013 12:33:31 -0.007
04/15/2013 12:34:31 -0.007
04/15/2013 12:35:31 -0.008
04/15/2013 12:36:31 -0.003
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04/15/2013 12:44:31 -0.008
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04/15/2013 12:46:31 -0.008
04/15/2013 12:47:31 -0.007
04/15/2013 12:48:31 -0.009
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04/15/2013 12:50:31 -0.008
04/15/2013 12:51:31 -0.008
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04/15/2013 12:53:31 -0.005
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04/15/2013 12:56:31 -0.008
04/15/2013 12:57:31 -0.008
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04/15/2013 12:59:31 -0.005
04/15/2013 13:00:31 -0.009
04/15/2013 13:01:31 -0.009
04/15/2013 13:02:31 -0.008
04/15/2013 13:03:31 -0.009
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04/15/2013 13:38:31 0.007
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04/15/2013 13:41:31 -0.008
04/15/2013 13:42:31 -0.006
04/15/2013 13:43:31 -0.009
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04/15/2013 13:57:31 -0.010
04/15/2013 13:58:31 -0.010
04/15/2013 13:59:31 -0.010
04/15/2013 14:00:31 -0.010
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04/15/2013 14:02:31 -0.010
04/15/2013 14:03:31 -0.010
04/15/2013 14:04:31 -0.009
04/15/2013 14:05:31 -0.010
04/15/2013 14:06:31 -0.010
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04/15/2013 14:08:31 -0.010
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04/15/2013 14:26:31 -0.012
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04/15/2013 15:24:31 -0.012
04/15/2013 15:25:31 -0.012
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04/15/2013 16:03:31 -0.013
04/15/2013 16:04:31 -0.012
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04/15/2013 16:06:31 -0.012
04/15/2013 16:07:31 -0.011
04/15/2013 16:08:31 -0.012
04/15/2013 16:09:31 -0.012
04/15/2013 16:10:31 -0.006
04/15/2013 16:11:31 -0.012
04/15/2013 16:12:31 -0.011
04/15/2013 16:13:31 -0.010
04/15/2013 16:14:31 -0.008
04/15/2013 16:15:31 -0.008
04/15/2013 16:16:31 -0.008
04/15/2013 16:17:31 -0.012
04/15/2013 16:18:31 -0.012
04/15/2013 16:19:31 -0.010
04/15/2013 16:20:31 -0.010
04/15/2013 16:21:31 -0.012
04/15/2013 16:22:31 -0.012
04/15/2013 16:23:31 -0.010
04/15/2013 16:24:31 -0.012
04/15/2013 16:25:31 -0.011
04/15/2013 16:26:31 -0.012
04/15/2013 16:27:31 -0.013

Model: DustTrak II
Model Number: 8530
Serial Number: 8530130710

Test ID: 002
Test Abbreviation: TEST 1_002
Start Date: 04/16/2013
Start Time: 08:18:58
Duration (dd:hh:mm:ss): 0:00:18:00
Log Interval (mm:ss): 01:00
Number of points: 18
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.037
 Minimum: 0.023
 Time of Minimum: 08:35:58
 Date of Minimum: 04/16/2013
 Maximum: 0.095
 Time of Maximum: 08:23:58
 Date of Maximum: 04/16/2013

Calibration Sensor: AEROSOL
 Cal. date 02/14/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/16/2013 08:19:58 0.025
04/16/2013 08:20:58 0.026
04/16/2013 08:21:58 0.025
04/16/2013 08:22:58 0.055
04/16/2013 08:23:58 0.095
04/16/2013 08:24:58 0.090
04/16/2013 08:25:58 0.028
04/16/2013 08:26:58 0.025
04/16/2013 08:27:58 0.026
04/16/2013 08:28:58 0.060
04/16/2013 08:29:58 0.028
04/16/2013 08:30:58 0.025
04/16/2013 08:31:58 0.024
04/16/2013 08:32:58 0.033
04/16/2013 08:33:58 0.027
04/16/2013 08:34:58 0.025
04/16/2013 08:35:58 0.023
04/16/2013 08:36:58 0.024

Model: DustTrak II
Model Number: 8530
Serial Number: 8530130710
Test ID: 003
Test Abbreviation: TEST 1_003
Start Date: 04/16/2013
Start Time: 08:50:41
Duration (dd:hh:mm:ss): 0:04:47:00
Log Interval (mm:ss): 01:00
Number of points: 287
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.025
 Minimum: 0.018
 Time of Minimum: 10:47:41
 Date of Minimum: 04/16/2013
 Maximum: 0.170
 Time of Maximum: 11:15:41

Date of Maximum: 04/16/2013

Calibration Sensor: AEROSOL
Cal. date 02/14/2013

Date Time	AEROSOL
MM/dd/yyyy hh:mm:ss	mg/m^3
04/16/2013 08:51:41	0.022
04/16/2013 08:52:41	0.024
04/16/2013 08:53:41	0.024
04/16/2013 08:54:41	0.025
04/16/2013 08:55:41	0.022
04/16/2013 08:56:41	0.023
04/16/2013 08:57:41	0.024
04/16/2013 08:58:41	0.025
04/16/2013 08:59:41	0.024
04/16/2013 09:00:41	0.022
04/16/2013 09:01:41	0.022
04/16/2013 09:02:41	0.021
04/16/2013 09:03:41	0.022
04/16/2013 09:04:41	0.022
04/16/2013 09:05:41	0.021
04/16/2013 09:06:41	0.021
04/16/2013 09:07:41	0.022
04/16/2013 09:08:41	0.022
04/16/2013 09:09:41	0.021
04/16/2013 09:10:41	0.021
04/16/2013 09:11:41	0.021
04/16/2013 09:12:41	0.022
04/16/2013 09:13:41	0.021
04/16/2013 09:14:41	0.021
04/16/2013 09:15:41	0.021
04/16/2013 09:16:41	0.021
04/16/2013 09:17:41	0.021
04/16/2013 09:18:41	0.022
04/16/2013 09:19:41	0.028
04/16/2013 09:20:41	0.022
04/16/2013 09:21:41	0.028
04/16/2013 09:22:41	0.068
04/16/2013 09:23:41	0.023
04/16/2013 09:24:41	0.023
04/16/2013 09:25:41	0.023
04/16/2013 09:26:41	0.030
04/16/2013 09:27:41	0.024
04/16/2013 09:28:41	0.022
04/16/2013 09:29:41	0.022
04/16/2013 09:30:41	0.022
04/16/2013 09:31:41	0.024
04/16/2013 09:32:41	0.023
04/16/2013 09:33:41	0.023
04/16/2013 09:34:41	0.023
04/16/2013 09:35:41	0.022
04/16/2013 09:36:41	0.031
04/16/2013 09:37:41	0.024
04/16/2013 09:38:41	0.024
04/16/2013 09:39:41	0.032
04/16/2013 09:40:41	0.030
04/16/2013 09:41:41	0.038
04/16/2013 09:42:41	0.026
04/16/2013 09:43:41	0.028
04/16/2013 09:44:41	0.027
04/16/2013 09:45:41	0.030
04/16/2013 09:46:41	0.028

04/16/2013 09:47:41 0.026
04/16/2013 09:48:41 0.039
04/16/2013 09:49:41 0.027
04/16/2013 09:50:41 0.025
04/16/2013 09:51:41 0.027
04/16/2013 09:52:41 0.024
04/16/2013 09:53:41 0.027
04/16/2013 09:54:41 0.025
04/16/2013 09:55:41 0.024
04/16/2013 09:56:41 0.021
04/16/2013 09:57:41 0.022
04/16/2013 09:58:41 0.021
04/16/2013 09:59:41 0.033
04/16/2013 10:00:41 0.021
04/16/2013 10:01:41 0.024
04/16/2013 10:02:41 0.025
04/16/2013 10:03:41 0.020
04/16/2013 10:04:41 0.021
04/16/2013 10:05:41 0.022
04/16/2013 10:06:41 0.023
04/16/2013 10:07:41 0.022
04/16/2013 10:08:41 0.020
04/16/2013 10:09:41 0.019
04/16/2013 10:10:41 0.023
04/16/2013 10:11:41 0.023
04/16/2013 10:12:41 0.021
04/16/2013 10:13:41 0.020
04/16/2013 10:14:41 0.020
04/16/2013 10:15:41 0.022
04/16/2013 10:16:41 0.049
04/16/2013 10:17:41 0.036
04/16/2013 10:18:41 0.023
04/16/2013 10:19:41 0.023
04/16/2013 10:20:41 0.023
04/16/2013 10:21:41 0.027
04/16/2013 10:22:41 0.025
04/16/2013 10:23:41 0.021
04/16/2013 10:24:41 0.021
04/16/2013 10:25:41 0.025
04/16/2013 10:26:41 0.024
04/16/2013 10:27:41 0.067
04/16/2013 10:28:41 0.029
04/16/2013 10:29:41 0.031
04/16/2013 10:30:41 0.026
04/16/2013 10:31:41 0.026
04/16/2013 10:32:41 0.026
04/16/2013 10:33:41 0.040
04/16/2013 10:34:41 0.031
04/16/2013 10:35:41 0.022
04/16/2013 10:36:41 0.021
04/16/2013 10:37:41 0.020
04/16/2013 10:38:41 0.020
04/16/2013 10:39:41 0.020
04/16/2013 10:40:41 0.021
04/16/2013 10:41:41 0.022
04/16/2013 10:42:41 0.021
04/16/2013 10:43:41 0.021
04/16/2013 10:44:41 0.035
04/16/2013 10:45:41 0.045
04/16/2013 10:46:41 0.019
04/16/2013 10:47:41 0.018
04/16/2013 10:48:41 0.019
04/16/2013 10:49:41 0.018

04/16/2013 10:50:41 0.025
04/16/2013 10:51:41 0.034
04/16/2013 10:52:41 0.022
04/16/2013 10:53:41 0.034
04/16/2013 10:54:41 0.028
04/16/2013 10:55:41 0.030
04/16/2013 10:56:41 0.032
04/16/2013 10:57:41 0.025
04/16/2013 10:58:41 0.028
04/16/2013 10:59:41 0.026
04/16/2013 11:00:41 0.024
04/16/2013 11:01:41 0.040
04/16/2013 11:02:41 0.024
04/16/2013 11:03:41 0.020
04/16/2013 11:04:41 0.028
04/16/2013 11:05:41 0.021
04/16/2013 11:06:41 0.020
04/16/2013 11:07:41 0.020
04/16/2013 11:08:41 0.021
04/16/2013 11:09:41 0.021
04/16/2013 11:10:41 0.020
04/16/2013 11:11:41 0.020
04/16/2013 11:12:41 0.030
04/16/2013 11:13:41 0.021
04/16/2013 11:14:41 0.048
04/16/2013 11:15:41 0.170
04/16/2013 11:16:41 0.021
04/16/2013 11:17:41 0.020
04/16/2013 11:18:41 0.020
04/16/2013 11:19:41 0.025
04/16/2013 11:20:41 0.022
04/16/2013 11:21:41 0.019
04/16/2013 11:22:41 0.020
04/16/2013 11:23:41 0.020
04/16/2013 11:24:41 0.019
04/16/2013 11:25:41 0.023
04/16/2013 11:26:41 0.019
04/16/2013 11:27:41 0.021
04/16/2013 11:28:41 0.019
04/16/2013 11:29:41 0.021
04/16/2013 11:30:41 0.019
04/16/2013 11:31:41 0.021
04/16/2013 11:32:41 0.021
04/16/2013 11:33:41 0.018
04/16/2013 11:34:41 0.018
04/16/2013 11:35:41 0.019
04/16/2013 11:36:41 0.019
04/16/2013 11:37:41 0.023
04/16/2013 11:38:41 0.019
04/16/2013 11:39:41 0.019
04/16/2013 11:40:41 0.020
04/16/2013 11:41:41 0.021
04/16/2013 11:42:41 0.020
04/16/2013 11:43:41 0.023
04/16/2013 11:44:41 0.023
04/16/2013 11:45:41 0.020
04/16/2013 11:46:41 0.020
04/16/2013 11:47:41 0.029
04/16/2013 11:48:41 0.023
04/16/2013 11:49:41 0.027
04/16/2013 11:50:41 0.024
04/16/2013 11:51:41 0.023
04/16/2013 11:52:41 0.021

04/16/2013 11:53:41 0.021
04/16/2013 11:54:41 0.027
04/16/2013 11:55:41 0.021
04/16/2013 11:56:41 0.021
04/16/2013 11:57:41 0.020
04/16/2013 11:58:41 0.021
04/16/2013 11:59:41 0.020
04/16/2013 12:00:41 0.021
04/16/2013 12:01:41 0.022
04/16/2013 12:02:41 0.022
04/16/2013 12:03:41 0.022
04/16/2013 12:04:41 0.021
04/16/2013 12:05:41 0.022
04/16/2013 12:06:41 0.022
04/16/2013 12:07:41 0.024
04/16/2013 12:08:41 0.020
04/16/2013 12:09:41 0.022
04/16/2013 12:10:41 0.020
04/16/2013 12:11:41 0.021
04/16/2013 12:12:41 0.020
04/16/2013 12:13:41 0.025
04/16/2013 12:14:41 0.022
04/16/2013 12:15:41 0.020
04/16/2013 12:16:41 0.021
04/16/2013 12:17:41 0.020
04/16/2013 12:18:41 0.020
04/16/2013 12:19:41 0.021
04/16/2013 12:20:41 0.022
04/16/2013 12:21:41 0.021
04/16/2013 12:22:41 0.021
04/16/2013 12:23:41 0.021
04/16/2013 12:24:41 0.021
04/16/2013 12:25:41 0.022
04/16/2013 12:26:41 0.026
04/16/2013 12:27:41 0.023
04/16/2013 12:28:41 0.022
04/16/2013 12:29:41 0.021
04/16/2013 12:30:41 0.024
04/16/2013 12:31:41 0.022
04/16/2013 12:32:41 0.023
04/16/2013 12:33:41 0.022
04/16/2013 12:34:41 0.022
04/16/2013 12:35:41 0.023
04/16/2013 12:36:41 0.024
04/16/2013 12:37:41 0.025
04/16/2013 12:38:41 0.023
04/16/2013 12:39:41 0.028
04/16/2013 12:40:41 0.026
04/16/2013 12:41:41 0.024
04/16/2013 12:42:41 0.024
04/16/2013 12:43:41 0.024
04/16/2013 12:44:41 0.026
04/16/2013 12:45:41 0.025
04/16/2013 12:46:41 0.027
04/16/2013 12:47:41 0.031
04/16/2013 12:48:41 0.026
04/16/2013 12:49:41 0.025
04/16/2013 12:50:41 0.025
04/16/2013 12:51:41 0.026
04/16/2013 12:52:41 0.025
04/16/2013 12:53:41 0.026
04/16/2013 12:54:41 0.026
04/16/2013 12:55:41 0.027

04/16/2013 12:56:41 0.029
04/16/2013 12:57:41 0.026
04/16/2013 12:58:41 0.026
04/16/2013 12:59:41 0.026
04/16/2013 13:00:41 0.025
04/16/2013 13:01:41 0.026
04/16/2013 13:02:41 0.027
04/16/2013 13:03:41 0.025
04/16/2013 13:04:41 0.027
04/16/2013 13:05:41 0.027
04/16/2013 13:06:41 0.026
04/16/2013 13:07:41 0.027
04/16/2013 13:08:41 0.039
04/16/2013 13:09:41 0.025
04/16/2013 13:10:41 0.030
04/16/2013 13:11:41 0.030
04/16/2013 13:12:41 0.027
04/16/2013 13:13:41 0.034
04/16/2013 13:14:41 0.026
04/16/2013 13:15:41 0.025
04/16/2013 13:16:41 0.026
04/16/2013 13:17:41 0.046
04/16/2013 13:18:41 0.025
04/16/2013 13:19:41 0.026
04/16/2013 13:20:41 0.024
04/16/2013 13:21:41 0.025
04/16/2013 13:22:41 0.026
04/16/2013 13:23:41 0.025
04/16/2013 13:24:41 0.024
04/16/2013 13:25:41 0.024
04/16/2013 13:26:41 0.025
04/16/2013 13:27:41 0.032
04/16/2013 13:28:41 0.027
04/16/2013 13:29:41 0.024
04/16/2013 13:30:41 0.026
04/16/2013 13:31:41 0.025
04/16/2013 13:32:41 0.024
04/16/2013 13:33:41 0.024
04/16/2013 13:34:41 0.025
04/16/2013 13:35:41 0.024
04/16/2013 13:36:41 0.024
04/16/2013 13:37:41 0.025

Model: DustTrak II
Model Number: 8530
Serial Number: 8530130710
Test ID: 004
Test Abbreviation: TEST 1_004
Start Date: 04/17/2013
Start Time: 08:15:36
Duration (dd:hh:mm:ss): 0:08:36:00
Log Interval (mm:ss): 01:00
Number of points: 516
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.025
 Minimum: -0.002
 Time of Minimum: 15:58:36
 Date of Minimum: 04/17/2013
 Maximum: 0.449
 Time of Maximum: 10:02:36

Date of Maximum: 04/17/2013

Calibration Sensor: AEROSOL
Cal. date 02/14/2013

Date Time	AEROSOL
MM/dd/yyyy hh:mm:ss	mg/m^3
04/17/2013 08:16:36	0.011
04/17/2013 08:17:36	0.010
04/17/2013 08:18:36	0.010
04/17/2013 08:19:36	0.012
04/17/2013 08:20:36	0.011
04/17/2013 08:21:36	0.011
04/17/2013 08:22:36	0.014
04/17/2013 08:23:36	0.009
04/17/2013 08:24:36	0.027
04/17/2013 08:25:36	0.008
04/17/2013 08:26:36	0.007
04/17/2013 08:27:36	0.011
04/17/2013 08:28:36	0.020
04/17/2013 08:29:36	0.013
04/17/2013 08:30:36	0.014
04/17/2013 08:31:36	0.013
04/17/2013 08:32:36	0.017
04/17/2013 08:33:36	0.034
04/17/2013 08:34:36	0.030
04/17/2013 08:35:36	0.009
04/17/2013 08:36:36	0.009
04/17/2013 08:37:36	0.008
04/17/2013 08:38:36	0.009
04/17/2013 08:39:36	0.009
04/17/2013 08:40:36	0.012
04/17/2013 08:41:36	0.009
04/17/2013 08:42:36	0.026
04/17/2013 08:43:36	0.102
04/17/2013 08:44:36	0.023
04/17/2013 08:45:36	0.013
04/17/2013 08:46:36	0.009
04/17/2013 08:47:36	0.013
04/17/2013 08:48:36	0.022
04/17/2013 08:49:36	0.041
04/17/2013 08:50:36	0.016
04/17/2013 08:51:36	0.006
04/17/2013 08:52:36	0.040
04/17/2013 08:53:36	0.016
04/17/2013 08:54:36	0.015
04/17/2013 08:55:36	0.006
04/17/2013 08:56:36	0.007
04/17/2013 08:57:36	0.010
04/17/2013 08:58:36	0.010
04/17/2013 08:59:36	0.013
04/17/2013 09:00:36	0.007
04/17/2013 09:01:36	0.007
04/17/2013 09:02:36	0.010
04/17/2013 09:03:36	0.012
04/17/2013 09:04:36	0.019
04/17/2013 09:05:36	0.011
04/17/2013 09:06:36	0.013
04/17/2013 09:07:36	0.014
04/17/2013 09:08:36	0.008
04/17/2013 09:09:36	0.014
04/17/2013 09:10:36	0.016
04/17/2013 09:11:36	0.120

04/17/2013 09:12:36 0.243
04/17/2013 09:13:36 0.052
04/17/2013 09:14:36 0.021
04/17/2013 09:15:36 0.087
04/17/2013 09:16:36 0.036
04/17/2013 09:17:36 0.008
04/17/2013 09:18:36 0.007
04/17/2013 09:19:36 0.016
04/17/2013 09:20:36 0.062
04/17/2013 09:21:36 0.065
04/17/2013 09:22:36 0.014
04/17/2013 09:23:36 0.007
04/17/2013 09:24:36 0.014
04/17/2013 09:25:36 0.014
04/17/2013 09:26:36 0.014
04/17/2013 09:27:36 0.005
04/17/2013 09:28:36 0.005
04/17/2013 09:29:36 0.009
04/17/2013 09:30:36 0.023
04/17/2013 09:31:36 0.014
04/17/2013 09:32:36 0.040
04/17/2013 09:33:36 0.014
04/17/2013 09:34:36 0.132
04/17/2013 09:35:36 0.068
04/17/2013 09:36:36 0.020
04/17/2013 09:37:36 0.205
04/17/2013 09:38:36 0.276
04/17/2013 09:39:36 0.097
04/17/2013 09:40:36 0.069
04/17/2013 09:41:36 0.265
04/17/2013 09:42:36 0.068
04/17/2013 09:43:36 0.396
04/17/2013 09:44:36 0.065
04/17/2013 09:45:36 0.087
04/17/2013 09:46:36 0.045
04/17/2013 09:47:36 0.055
04/17/2013 09:48:36 0.032
04/17/2013 09:49:36 0.056
04/17/2013 09:50:36 0.051
04/17/2013 09:51:36 0.270
04/17/2013 09:52:36 0.058
04/17/2013 09:53:36 0.149
04/17/2013 09:54:36 0.116
04/17/2013 09:55:36 0.018
04/17/2013 09:56:36 0.076
04/17/2013 09:57:36 0.031
04/17/2013 09:58:36 0.059
04/17/2013 09:59:36 0.041
04/17/2013 10:00:36 0.019
04/17/2013 10:01:36 0.020
04/17/2013 10:02:36 0.449
04/17/2013 10:03:36 0.069
04/17/2013 10:04:36 0.038
04/17/2013 10:05:36 0.130
04/17/2013 10:06:36 0.078
04/17/2013 10:07:36 0.038
04/17/2013 10:08:36 0.044
04/17/2013 10:09:36 0.003
04/17/2013 10:10:36 0.094
04/17/2013 10:11:36 0.034
04/17/2013 10:12:36 0.013
04/17/2013 10:13:36 0.290
04/17/2013 10:14:36 0.306

04/17/2013 10:15:36 0.023
04/17/2013 10:16:36 0.079
04/17/2013 10:17:36 0.030
04/17/2013 10:18:36 0.008
04/17/2013 10:19:36 0.056
04/17/2013 10:20:36 0.094
04/17/2013 10:21:36 0.014
04/17/2013 10:22:36 0.031
04/17/2013 10:23:36 0.062
04/17/2013 10:24:36 0.065
04/17/2013 10:25:36 0.229
04/17/2013 10:26:36 0.034
04/17/2013 10:27:36 0.009
04/17/2013 10:28:36 0.005
04/17/2013 10:29:36 0.091
04/17/2013 10:30:36 0.033
04/17/2013 10:31:36 0.058
04/17/2013 10:32:36 0.075
04/17/2013 10:33:36 0.055
04/17/2013 10:34:36 0.022
04/17/2013 10:35:36 0.012
04/17/2013 10:36:36 0.003
04/17/2013 10:37:36 0.032
04/17/2013 10:38:36 0.054
04/17/2013 10:39:36 0.024
04/17/2013 10:40:36 0.026
04/17/2013 10:41:36 0.040
04/17/2013 10:42:36 0.014
04/17/2013 10:43:36 0.032
04/17/2013 10:44:36 0.052
04/17/2013 10:45:36 0.027
04/17/2013 10:46:36 0.032
04/17/2013 10:47:36 0.028
04/17/2013 10:48:36 0.045
04/17/2013 10:49:36 0.017
04/17/2013 10:50:36 0.006
04/17/2013 10:51:36 0.045
04/17/2013 10:52:36 0.049
04/17/2013 10:53:36 0.036
04/17/2013 10:54:36 0.236
04/17/2013 10:55:36 0.011
04/17/2013 10:56:36 0.028
04/17/2013 10:57:36 0.075
04/17/2013 10:58:36 0.040
04/17/2013 10:59:36 0.030
04/17/2013 11:00:36 0.022
04/17/2013 11:01:36 0.177
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04/17/2013 15:38:36 0.000
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04/17/2013 15:56:36 -0.001
04/17/2013 15:57:36 -0.001
04/17/2013 15:58:36 -0.002
04/17/2013 15:59:36 -0.001
04/17/2013 16:00:36 -0.001
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04/17/2013 16:29:36 0.003
04/17/2013 16:30:36 0.018
04/17/2013 16:31:36 0.001
04/17/2013 16:32:36 0.001

04/17/2013 16:33:36 0.002
04/17/2013 16:34:36 0.013
04/17/2013 16:35:36 0.023
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04/17/2013 16:37:36 0.001
04/17/2013 16:38:36 0.007
04/17/2013 16:39:36 0.002
04/17/2013 16:40:36 -0.001
04/17/2013 16:41:36 -0.001
04/17/2013 16:42:36 0.000
04/17/2013 16:43:36 0.000
04/17/2013 16:44:36 0.005
04/17/2013 16:45:36 0.000
04/17/2013 16:46:36 -0.001
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04/17/2013 16:48:36 -0.001
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04/17/2013 16:51:36 0.000

Model: DustTrak II
Model Number: 8530
Serial Number: 8530130710
Test ID: 005
Test Abbreviation: TEST 1_005
Start Date: 04/18/2013
Start Time: 08:15:07
Duration (dd:hh:mm:ss): 0:09:33:00
Log Interval (mm:ss): 01:00
Number of points: 573
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.010
 Minimum: 0.005
 Time of Minimum: 09:36:07
 Date of Minimum: 04/18/2013
 Maximum: 0.047
 Time of Maximum: 13:30:07
 Date of Maximum: 04/18/2013

Calibration Sensor: AEROSOL
 Cal. date 02/14/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/18/2013 08:16:07 0.007
04/18/2013 08:17:07 0.006
04/18/2013 08:18:07 0.006
04/18/2013 08:19:07 0.006
04/18/2013 08:20:07 0.006
04/18/2013 08:21:07 0.007
04/18/2013 08:22:07 0.006
04/18/2013 08:23:07 0.007
04/18/2013 08:24:07 0.006
04/18/2013 08:25:07 0.007
04/18/2013 08:26:07 0.006
04/18/2013 08:27:07 0.006
04/18/2013 08:28:07 0.006
04/18/2013 08:29:07 0.006
04/18/2013 08:30:07 0.006
04/18/2013 08:31:07 0.006

04/18/2013 08:32:07 0.006
04/18/2013 08:33:07 0.006
04/18/2013 08:34:07 0.006
04/18/2013 08:35:07 0.006
04/18/2013 08:36:07 0.006
04/18/2013 08:37:07 0.006
04/18/2013 08:38:07 0.006
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04/18/2013 08:52:07 0.009
04/18/2013 08:53:07 0.006
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04/18/2013 08:55:07 0.006
04/18/2013 08:56:07 0.006
04/18/2013 08:57:07 0.007
04/18/2013 08:58:07 0.008
04/18/2013 08:59:07 0.007
04/18/2013 09:00:07 0.006
04/18/2013 09:01:07 0.006
04/18/2013 09:02:07 0.006
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04/18/2013 09:17:07 0.016
04/18/2013 09:18:07 0.007
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04/18/2013 09:36:07 0.005
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04/18/2013 09:38:07 0.005
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04/18/2013 09:40:07 0.006
04/18/2013 09:41:07 0.006
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04/18/2013 16:47:07 0.013
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04/18/2013 16:53:07 0.011
04/18/2013 16:54:07 0.012
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04/18/2013 16:56:07 0.024
04/18/2013 16:57:07 0.027
04/18/2013 16:58:07 0.016
04/18/2013 16:59:07 0.011
04/18/2013 17:00:07 0.009
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04/18/2013 17:45:07 0.010
04/18/2013 17:46:07 0.010
04/18/2013 17:47:07 0.009
04/18/2013 17:48:07 0.009

Model: DustTrak II
Model Number: 8530
Serial Number: 8530130710
Test ID: 006
Test Abbreviation: TEST 1_006
Start Date: 04/19/2013
Start Time: 08:22:59
Duration (dd:hh:mm:ss): 0:02:10:00
Log Interval (mm:ss): 01:00

Number of points: 130
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.020
 Minimum: 0.017
 Time of Minimum: 09:26:59
 Date of Minimum: 04/19/2013
 Maximum: 0.031
 Time of Maximum: 10:18:59
 Date of Maximum: 04/19/2013

Calibration Sensor: AEROSOL
 Cal. date 02/14/2013

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
04/19/2013	08:23:59	0.024
04/19/2013	08:24:59	0.024
04/19/2013	08:25:59	0.024
04/19/2013	08:26:59	0.025
04/19/2013	08:27:59	0.022
04/19/2013	08:28:59	0.022
04/19/2013	08:29:59	0.022
04/19/2013	08:30:59	0.022
04/19/2013	08:31:59	0.022
04/19/2013	08:32:59	0.023
04/19/2013	08:33:59	0.023
04/19/2013	08:34:59	0.023
04/19/2013	08:35:59	0.021
04/19/2013	08:36:59	0.024
04/19/2013	08:37:59	0.023
04/19/2013	08:38:59	0.021
04/19/2013	08:39:59	0.023
04/19/2013	08:40:59	0.021
04/19/2013	08:41:59	0.022
04/19/2013	08:42:59	0.021
04/19/2013	08:43:59	0.020
04/19/2013	08:44:59	0.023
04/19/2013	08:45:59	0.020
04/19/2013	08:46:59	0.022
04/19/2013	08:47:59	0.022
04/19/2013	08:48:59	0.023
04/19/2013	08:49:59	0.025
04/19/2013	08:50:59	0.029
04/19/2013	08:51:59	0.021
04/19/2013	08:52:59	0.021
04/19/2013	08:53:59	0.022
04/19/2013	08:54:59	0.020
04/19/2013	08:55:59	0.022
04/19/2013	08:56:59	0.022
04/19/2013	08:57:59	0.026
04/19/2013	08:58:59	0.029
04/19/2013	08:59:59	0.023
04/19/2013	09:00:59	0.019
04/19/2013	09:01:59	0.024
04/19/2013	09:02:59	0.020
04/19/2013	09:03:59	0.021
04/19/2013	09:04:59	0.019
04/19/2013	09:05:59	0.018
04/19/2013	09:06:59	0.019
04/19/2013	09:07:59	0.020

04/19/2013 09:08:59 0.020
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04/19/2013 10:26:59 0.020
04/19/2013 10:27:59 0.020
04/19/2013 10:28:59 0.025
04/19/2013 10:29:59 0.018
04/19/2013 10:30:59 0.018
04/19/2013 10:31:59 0.020
04/19/2013 10:32:59 0.019

Model: DustTrak II
Model Number: 8530
Serial Number: 8530130710
Test ID: 007
Test Abbreviation: TEST 1_007
Start Date: 04/22/2013
Start Time: 08:16:02
Duration (dd:hh:mm:ss): 0:09:18:00
Log Interval (mm:ss): 01:00
Number of points: 558
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.009
 Minimum: 0.004
 Time of Minimum: 16:35:02
 Date of Minimum: 04/22/2013
 Maximum: 0.041
 Time of Maximum: 14:30:02
 Date of Maximum: 04/22/2013

Calibration Sensor: AEROSOL
 Cal. date 02/14/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/22/2013 08:17:02 0.019
04/22/2013 08:18:02 0.019
04/22/2013 08:19:02 0.018
04/22/2013 08:20:02 0.021
04/22/2013 08:21:02 0.021
04/22/2013 08:22:02 0.019
04/22/2013 08:23:02 0.019
04/22/2013 08:24:02 0.017
04/22/2013 08:25:02 0.017
04/22/2013 08:26:02 0.017
04/22/2013 08:27:02 0.018
04/22/2013 08:28:02 0.017
04/22/2013 08:29:02 0.018

04/22/2013 08:30:02 0.018
04/22/2013 08:31:02 0.018
04/22/2013 08:32:02 0.016
04/22/2013 08:33:02 0.018
04/22/2013 08:34:02 0.016
04/22/2013 08:35:02 0.020
04/22/2013 08:36:02 0.023
04/22/2013 08:37:02 0.029
04/22/2013 08:38:02 0.015
04/22/2013 08:39:02 0.018
04/22/2013 08:40:02 0.015
04/22/2013 08:41:02 0.015
04/22/2013 08:42:02 0.015
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04/22/2013 16:58:02 0.005
04/22/2013 16:59:02 0.006
04/22/2013 17:00:02 0.009
04/22/2013 17:01:02 0.012
04/22/2013 17:02:02 0.009
04/22/2013 17:03:02 0.008
04/22/2013 17:04:02 0.005
04/22/2013 17:05:02 0.005
04/22/2013 17:06:02 0.004
04/22/2013 17:07:02 0.004
04/22/2013 17:08:02 0.005
04/22/2013 17:09:02 0.005
04/22/2013 17:10:02 0.005
04/22/2013 17:11:02 0.010
04/22/2013 17:12:02 0.005
04/22/2013 17:13:02 0.004
04/22/2013 17:14:02 0.004
04/22/2013 17:15:02 0.005
04/22/2013 17:16:02 0.004
04/22/2013 17:17:02 0.004
04/22/2013 17:18:02 0.004
04/22/2013 17:19:02 0.004
04/22/2013 17:20:02 0.005
04/22/2013 17:21:02 0.004
04/22/2013 17:22:02 0.004
04/22/2013 17:23:02 0.004
04/22/2013 17:24:02 0.004
04/22/2013 17:25:02 0.004
04/22/2013 17:26:02 0.004
04/22/2013 17:27:02 0.004
04/22/2013 17:28:02 0.005
04/22/2013 17:29:02 0.004
04/22/2013 17:30:02 0.005
04/22/2013 17:31:02 0.004
04/22/2013 17:32:02 0.004
04/22/2013 17:33:02 0.005
04/22/2013 17:34:02 0.006

Model: DustTrak II
Model Number: 8530
Serial Number: 8530130710
Test ID: 008
Test Abbreviation: TEST 1_008
Start Date: 04/23/2013
Start Time: 07:55:34
Duration (dd:hh:mm:ss): 0:00:42:00
Log Interval (mm:ss): 01:00
Number of points: 42
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.017
 Minimum: 0.010
 Time of Minimum: 08:21:34
 Date of Minimum: 04/23/2013
 Maximum: 0.174
 Time of Maximum: 08:29:34
 Date of Maximum: 04/23/2013

Calibration Sensor: AEROSOL
 Cal. date 02/14/2013

Date Time	AEROSOL
MM/dd/yyyy hh:mm:ss	mg/m^3
04/23/2013 07:56:34	0.013
04/23/2013 07:57:34	0.013
04/23/2013 07:58:34	0.013
04/23/2013 07:59:34	0.013
04/23/2013 08:00:34	0.013
04/23/2013 08:01:34	0.015
04/23/2013 08:02:34	0.019
04/23/2013 08:03:34	0.015
04/23/2013 08:04:34	0.013
04/23/2013 08:05:34	0.019
04/23/2013 08:06:34	0.023
04/23/2013 08:07:34	0.014
04/23/2013 08:08:34	0.013
04/23/2013 08:09:34	0.012
04/23/2013 08:10:34	0.012
04/23/2013 08:11:34	0.014
04/23/2013 08:12:34	0.012
04/23/2013 08:13:34	0.014
04/23/2013 08:14:34	0.013
04/23/2013 08:15:34	0.012
04/23/2013 08:16:34	0.028
04/23/2013 08:17:34	0.013
04/23/2013 08:18:34	0.011
04/23/2013 08:19:34	0.011
04/23/2013 08:20:34	0.011
04/23/2013 08:21:34	0.010
04/23/2013 08:22:34	0.010
04/23/2013 08:23:34	0.011
04/23/2013 08:24:34	0.011
04/23/2013 08:25:34	0.010
04/23/2013 08:26:34	0.010
04/23/2013 08:27:34	0.012
04/23/2013 08:28:34	0.019
04/23/2013 08:29:34	0.174
04/23/2013 08:30:34	0.013
04/23/2013 08:31:34	0.011
04/23/2013 08:32:34	0.011
04/23/2013 08:33:34	0.011
04/23/2013 08:34:34	0.010
04/23/2013 08:35:34	0.012
04/23/2013 08:36:34	0.010
04/23/2013 08:37:34	0.010

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902705

User ID: 00000001 Site ID: 00000004

Data Points: 34 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 04/01/2013 11:55

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/2/2013 8:54	0		0		0	
2	4/2/2013 9:09	0		0		0	
3	4/2/2013 9:24	0		0		0	
4	4/2/2013 9:39	0		0		0	
5	4/2/2013 9:54	0		0		0	
6	4/2/2013 10:09	0		0		0	
7	4/2/2013 10:24	0		0		0	
8	4/2/2013 10:39	0		0		0	
9	4/2/2013 10:54	0		0		0	
10	4/2/2013 11:09	0		0		0	
11	4/2/2013 11:24	0		0		0	
12	4/2/2013 11:39	0		0		0	
13	4/2/2013 11:54	0		0		0	
14	4/2/2013 12:09	0		0		0	
15	4/2/2013 12:24	0		0		0	
16	4/2/2013 12:39	0		0		0	
17	4/2/2013 12:54	0		0		0	
18	4/2/2013 13:09	0		0		0	
19	4/2/2013 13:24	0		0		0	
20	4/2/2013 13:39	0		0		0	
21	4/2/2013 13:54	0		0		0	
22	4/2/2013 14:09	0		0		0	
23	4/2/2013 14:24	0		0		0	
24	4/2/2013 14:39	0		0		0	
25	4/2/2013 14:54	0		0		0	
26	4/2/2013 15:09	0		0		0	
27	4/2/2013 15:24	0		0		0	
28	4/2/2013 15:39	0		0		0	
29	4/2/2013 15:54	0		0		0	
30	4/2/2013 16:09	0		0		0	
31	4/2/2013 16:24	0		0		0	
32	4/2/2013 16:39	0		0		0	
33	4/2/2013 16:54	0		0		0	
34	4/2/2013 17:09	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902705

User ID: 00000001 Site ID: 00000005

Data Points: 18 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 04/01/2013 11:55

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/3/2013 8:02	0		0		0	
2	4/3/2013 8:17	0		0		0	
3	4/3/2013 8:32	0		0		0	
4	4/3/2013 8:47	0		0		0	
5	4/3/2013 9:02	0		0		0	
6	4/3/2013 9:17	0		0		0	
7	4/3/2013 9:32	0		0		0	
8	4/3/2013 9:47	0		0		0	
9	4/3/2013 10:02	0		0		0	
10	4/3/2013 10:17	0		0		0	
11	4/3/2013 10:32	0		0		0	
12	4/3/2013 10:47	0		0		0	
13	4/3/2013 11:02	0		0		0	
14	4/3/2013 11:17	0		0		0	
15	4/3/2013 11:32	0		0		0	
16	4/3/2013 11:47	0		0		0	
17	4/3/2013 12:02	0		0		0	
18	4/3/2013 12:17	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902705

User ID: 00000001 Site ID: 00000006

Data Points: 32 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 04/01/2013 11:55

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/4/2013 8:00	0		0		0	
2	4/4/2013 8:15	0		0		0	
3	4/4/2013 8:30	0		0		0	
4	4/4/2013 8:45	0		0		0	
5	4/4/2013 9:00	0		0		0	
6	4/4/2013 9:15	0		0		0	
7	4/4/2013 9:30	0		0		0	
8	4/4/2013 9:45	0		0		0	
9	4/4/2013 10:00	0		0		4.6	
10	4/4/2013 10:15	0		0		0	
11	4/4/2013 10:30	0		0		0	
12	4/4/2013 10:45	0		0		0	
13	4/4/2013 11:00	0		0		0	
14	4/4/2013 11:15	0		0		0	
15	4/4/2013 11:30	0		0		0	
16	4/4/2013 11:45	0		0		0	
17	4/4/2013 12:00	0		0		0	
18	4/4/2013 12:15	0		0		0	
19	4/4/2013 12:30	0		0		0	
20	4/4/2013 12:45	0		0		0	
21	4/4/2013 13:00	0		0		0	
22	4/4/2013 13:15	0		0		0	
23	4/4/2013 13:30	0		0		0	
24	4/4/2013 13:45	0		0		0	
25	4/4/2013 14:00	0		0		0	
26	4/4/2013 14:15	0		0		0	
27	4/4/2013 14:30	0		0		0	
28	4/4/2013 14:45	0		0		0	
29	4/4/2013 15:00	0		0		0	
30	4/4/2013 15:15	0		0		0	
31	4/4/2013 15:30	0		0		0	
32	4/4/2013 15:45	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902705

User ID: 00000001 Site ID: 00000007

Data Points: 25 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 04/01/2013 11:55

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/5/2013 7:54	0		0		0	
2	4/5/2013 8:09	0		0		0	
3	4/5/2013 8:24	0		0		0	
4	4/5/2013 8:39	0		0		0	
5	4/5/2013 8:54	0		0		0	
6	4/5/2013 9:09	0		0		0	
7	4/5/2013 9:24	0		0		0	
8	4/5/2013 9:39	0		0		0	
9	4/5/2013 9:54	0		0		0	
10	4/5/2013 10:09	0		0		0	
11	4/5/2013 10:24	0		0		0	
12	4/5/2013 10:39	0		0		0	
13	4/5/2013 10:54	0		0		0	
14	4/5/2013 11:09	0		0		0	
15	4/5/2013 11:24	0		0		0	
16	4/5/2013 11:39	0		0		0	
17	4/5/2013 11:54	0		0		0	
18	4/5/2013 12:09	0		0		0	
19	4/5/2013 12:24	0		0		0	
20	4/5/2013 12:39	0		0		0	
21	4/5/2013 12:54	0		0		0	
22	4/5/2013 13:09	0		0		0	
23	4/5/2013 13:24	0		0		0	
24	4/5/2013 13:39	0		0		0	
25	4/5/2013 13:54	0		0		0	

13/04/15 11:45

Summary

Unit Name	MiniRAE 3000
Unit SN	592-909023
Unit Firmware Ver	V1.10C
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Manual
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2013/04/15 11:45:40
End	2013/04/15 16:27:47
Sample Period(s)	60
Number of Records	282
Sensor	VOC(ppm)
Span	100.000
Span 2	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2013/04/15 09:51
Peak	0.504
Min	0.082
Average	0.382

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/15 11:46:40	0.086	0.092	0.082
002	2013/04/15 11:47:40	0.084	0.091	0.090
003	2013/04/15 11:48:40	0.095	0.105	0.105
004	2013/04/15 11:49:40	0.111	0.122	0.122
005	2013/04/15 11:50:40	0.128	0.140	0.140
006	2013/04/15 11:51:40	0.147	0.160	0.160
007	2013/04/15 11:52:40	0.166	0.177	0.177
008	2013/04/15 11:53:40	0.184	0.193	0.190
009	2013/04/15 11:54:40	0.199	0.210	0.210
010	2013/04/15 11:55:40	0.217	0.226	0.226
011	2013/04/15 11:56:40	0.234	0.243	0.242
012	2013/04/15 11:57:40	0.249	0.256	0.256
013	2013/04/15 11:58:40	0.262	0.268	0.268
014	2013/04/15 11:59:40	0.273	0.277	0.277
015	2013/04/15 12:00:40	0.281	0.285	0.285
016	2013/04/15 12:01:40	0.288	0.294	0.293
017	2013/04/15 12:02:40	0.296	0.303	0.302
018	2013/04/15 12:03:40	0.302	0.308	0.308
019	2013/04/15 12:04:40	0.306	0.311	0.309
020	2013/04/15 12:05:40	0.308	0.311	0.311
021	2013/04/15 12:06:40	0.315	0.319	0.318

022	2013/04/15	12:07:40	0.319	0.322	0.321
023	2013/04/15	12:08:40	0.326	0.338	0.334
024	2013/04/15	12:09:40	0.325	0.332	0.328
025	2013/04/15	12:10:40	0.330	0.333	0.330
026	2013/04/15	12:11:40	0.330	0.335	0.334
027	2013/04/15	12:12:40	0.329	0.334	0.332
028	2013/04/15	12:13:40	0.332	0.339	0.328
029	2013/04/15	12:14:40	0.330	0.335	0.330
030	2013/04/15	12:15:40	0.330	0.336	0.326
031	2013/04/15	12:16:40	0.357	0.539	0.330
032	2013/04/15	12:17:40	0.331	0.347	0.330
033	2013/04/15	12:18:40	0.329	0.342	0.324
034	2013/04/15	12:19:40	0.325	0.329	0.327
035	2013/04/15	12:20:40	0.327	0.335	0.329
036	2013/04/15	12:21:40	0.323	0.329	0.325
037	2013/04/15	12:22:40	0.320	0.326	0.319
038	2013/04/15	12:23:40	0.319	0.322	0.322
039	2013/04/15	12:24:40	0.324	0.330	0.324
040	2013/04/15	12:25:40	0.324	0.327	0.324
041	2013/04/15	12:26:40	0.323	0.328	0.318
042	2013/04/15	12:27:40	0.321	0.326	0.323
043	2013/04/15	12:28:40	0.324	0.329	0.321
044	2013/04/15	12:29:40	0.322	0.327	0.320
045	2013/04/15	12:30:40	0.324	0.333	0.329
046	2013/04/15	12:31:40	0.324	0.330	0.327
047	2013/04/15	12:32:40	0.324	0.337	0.321
048	2013/04/15	12:33:40	0.326	0.336	0.336
049	2013/04/15	12:34:40	0.324	0.336	0.326
050	2013/04/15	12:35:40	0.326	0.338	0.334
051	2013/04/15	12:36:40	0.328	0.335	0.327
052	2013/04/15	12:37:40	0.323	0.327	0.323
053	2013/04/15	12:38:40	0.327	0.339	0.325
054	2013/04/15	12:39:40	0.327	0.331	0.330
055	2013/04/15	12:40:40	0.332	0.354	0.350
056	2013/04/15	12:41:40	0.327	0.346	0.324
057	2013/04/15	12:42:40	0.328	0.335	0.335
058	2013/04/15	12:43:40	0.329	0.344	0.325
059	2013/04/15	12:44:40	0.326	0.345	0.325
060	2013/04/15	12:45:40	0.334	0.399	0.326
061	2013/04/15	12:46:40	0.326	0.339	0.322
062	2013/04/15	12:47:40	0.327	0.332	0.326
063	2013/04/15	12:48:40	0.330	0.335	0.335
064	2013/04/15	12:49:40	0.326	0.335	0.329
065	2013/04/15	12:50:40	0.329	0.336	0.325
066	2013/04/15	12:51:40	0.335	0.373	0.332
067	2013/04/15	12:52:40	0.332	0.348	0.348
068	2013/04/15	12:53:40	0.336	0.349	0.326
069	2013/04/15	12:54:40	0.326	0.334	0.323
070	2013/04/15	12:55:40	0.326	0.332	0.332
071	2013/04/15	12:56:40	0.336	0.340	0.339
072	2013/04/15	12:57:40	0.332	0.338	0.331
073	2013/04/15	12:58:40	0.343	0.360	0.359
074	2013/04/15	12:59:40	0.338	0.363	0.328
075	2013/04/15	13:00:40	0.333	0.347	0.344
076	2013/04/15	13:01:40	0.340	0.355	0.340
077	2013/04/15	13:02:40	0.339	0.347	0.344
078	2013/04/15	13:03:40	0.345	0.350	0.341
079	2013/04/15	13:04:40	0.347	0.359	0.353
080	2013/04/15	13:05:40	0.357	0.396	0.392
081	2013/04/15	13:06:40	0.358	0.391	0.356
082	2013/04/15	13:07:40	0.347	0.357	0.349
083	2013/04/15	13:08:40	0.351	0.358	0.351
084	2013/04/15	13:09:40	0.356	0.365	0.347

085	2013/04/15	13:10:40	0.344	0.350	0.347
086	2013/04/15	13:11:40	0.349	0.354	0.348
087	2013/04/15	13:12:40	0.354	0.375	0.346
088	2013/04/15	13:13:40	0.357	0.380	0.355
089	2013/04/15	13:14:40	0.359	0.397	0.358
090	2013/04/15	13:15:40	0.361	0.412	0.397
091	2013/04/15	13:16:40	0.346	0.401	0.339
092	2013/04/15	13:17:40	0.350	0.360	0.344
093	2013/04/15	13:18:40	0.347	0.360	0.348
094	2013/04/15	13:19:40	0.350	0.356	0.356
095	2013/04/15	13:20:40	0.359	0.379	0.364
096	2013/04/15	13:21:40	0.365	0.374	0.352
097	2013/04/15	13:22:40	0.356	0.371	0.351
098	2013/04/15	13:23:40	0.358	0.365	0.365
099	2013/04/15	13:24:40	0.372	0.442	0.368
100	2013/04/15	13:25:40	0.363	0.379	0.361
101	2013/04/15	13:26:40	0.375	0.395	0.360
102	2013/04/15	13:27:40	0.360	0.366	0.365
103	2013/04/15	13:28:40	0.369	0.378	0.378
104	2013/04/15	13:29:40	0.380	0.400	0.382
105	2013/04/15	13:30:40	0.377	0.383	0.379
106	2013/04/15	13:31:40	0.380	0.388	0.374
107	2013/04/15	13:32:40	0.382	0.402	0.385
108	2013/04/15	13:33:40	0.383	0.391	0.383
109	2013/04/15	13:34:40	0.378	0.388	0.388
110	2013/04/15	13:35:40	0.382	0.393	0.393
111	2013/04/15	13:36:40	0.387	0.414	0.379
112	2013/04/15	13:37:40	0.386	0.394	0.390
113	2013/04/15	13:38:40	0.410	0.451	0.409
114	2013/04/15	13:39:40	0.388	0.407	0.392
115	2013/04/15	13:40:40	0.388	0.397	0.382
116	2013/04/15	13:41:40	0.404	0.493	0.403
117	2013/04/15	13:42:40	0.407	0.448	0.405
118	2013/04/15	13:43:40	0.399	0.409	0.407
119	2013/04/15	13:44:40	0.412	0.432	0.409
120	2013/04/15	13:45:40	0.412	0.426	0.426
121	2013/04/15	13:46:40	0.416	0.435	0.407
122	2013/04/15	13:47:40	0.409	0.417	0.407
123	2013/04/15	13:48:40	0.413	0.436	0.435
124	2013/04/15	13:49:40	0.422	0.432	0.426
125	2013/04/15	13:50:40	0.421	0.443	0.424
126	2013/04/15	13:51:40	0.421	0.427	0.421
127	2013/04/15	13:52:40	0.429	0.435	0.427
128	2013/04/15	13:53:40	0.431	0.448	0.448
129	2013/04/15	13:54:40	0.429	0.451	0.416
130	2013/04/15	13:55:40	0.428	0.456	0.430
131	2013/04/15	13:56:40	0.432	0.443	0.436
132	2013/04/15	13:57:40	0.438	0.451	0.447
133	2013/04/15	13:58:40	0.443	0.451	0.443
134	2013/04/15	13:59:40	0.438	0.446	0.441
135	2013/04/15	14:00:40	0.444	0.466	0.442
136	2013/04/15	14:01:40	0.444	0.464	0.431
137	2013/04/15	14:02:40	0.445	0.458	0.437
138	2013/04/15	14:03:40	0.442	0.462	0.462
139	2013/04/15	14:04:40	0.457	0.502	0.447
140	2013/04/15	14:05:40	0.451	0.463	0.443
141	2013/04/15	14:06:40	0.445	0.457	0.442
142	2013/04/15	14:07:40	0.449	0.463	0.453
143	2013/04/15	14:08:40	0.455	0.482	0.482
144	2013/04/15	14:09:40	0.472	0.486	0.471
145	2013/04/15	14:10:40	0.455	0.473	0.465
146	2013/04/15	14:11:40	0.454	0.474	0.459
147	2013/04/15	14:12:40	0.459	0.476	0.471

148	2013/04/15	14:13:40	0.461	0.492	0.446
149	2013/04/15	14:14:40	0.460	0.472	0.466
150	2013/04/15	14:15:40	0.455	0.467	0.450
151	2013/04/15	14:16:40	0.442	0.452	0.451
152	2013/04/15	14:17:40	0.459	0.472	0.451
153	2013/04/15	14:18:40	0.466	0.483	0.449
154	2013/04/15	14:19:40	0.448	0.463	0.463
155	2013/04/15	14:20:40	0.455	0.469	0.462
156	2013/04/15	14:21:40	0.462	0.478	0.462
157	2013/04/15	14:22:40	0.466	0.487	0.467
158	2013/04/15	14:23:40	0.459	0.480	0.479
159	2013/04/15	14:24:40	0.465	0.486	0.464
160	2013/04/15	14:25:40	0.458	0.468	0.450
161	2013/04/15	14:26:40	0.472	0.490	0.478
162	2013/04/15	14:27:40	0.471	0.496	0.458
163	2013/04/15	14:28:40	0.463	0.485	0.454
164	2013/04/15	14:29:40	0.463	0.481	0.477
165	2013/04/15	14:30:40	0.468	0.487	0.461
166	2013/04/15	14:31:40	0.466	0.476	0.471
167	2013/04/15	14:32:40	0.467	0.491	0.462
168	2013/04/15	14:33:40	0.471	0.560	0.456
169	2013/04/15	14:34:40	0.464	0.484	0.481
170	2013/04/15	14:35:40	0.465	0.476	0.465
171	2013/04/15	14:36:40	0.458	0.477	0.464
172	2013/04/15	14:37:40	0.466	0.478	0.469
173	2013/04/15	14:38:40	0.455	0.467	0.461
174	2013/04/15	14:39:40	0.449	0.465	0.459
175	2013/04/15	14:40:40	0.453	0.469	0.453
176	2013/04/15	14:41:40	0.456	0.468	0.446
177	2013/04/15	14:42:40	0.448	0.462	0.455
178	2013/04/15	14:43:40	0.459	0.478	0.444
179	2013/04/15	14:44:40	0.454	0.471	0.470
180	2013/04/15	14:45:40	0.456	0.470	0.450
181	2013/04/15	14:46:40	0.457	0.470	0.467
182	2013/04/15	14:47:40	0.456	0.475	0.462
183	2013/04/15	14:48:40	0.453	0.464	0.456
184	2013/04/15	14:49:40	0.454	0.502	0.455
185	2013/04/15	14:50:40	0.451	0.469	0.441
186	2013/04/15	14:51:40	0.463	0.512	0.504
187	2013/04/15	14:52:40	0.457	0.506	0.455
188	2013/04/15	14:53:40	0.448	0.475	0.467
189	2013/04/15	14:54:40	0.441	0.464	0.438
190	2013/04/15	14:55:40	0.439	0.457	0.431
191	2013/04/15	14:56:40	0.413	0.436	0.401
192	2013/04/15	14:57:40	0.399	0.408	0.395
193	2013/04/15	14:58:40	0.394	0.407	0.397
194	2013/04/15	14:59:40	0.393	0.409	0.402
195	2013/04/15	15:00:40	0.398	0.408	0.406
196	2013/04/15	15:01:40	0.404	0.435	0.404
197	2013/04/15	15:02:40	0.406	0.431	0.401
198	2013/04/15	15:03:40	0.409	0.454	0.454
199	2013/04/15	15:04:40	0.414	0.459	0.408
200	2013/04/15	15:05:40	0.410	0.426	0.403
201	2013/04/15	15:06:40	0.411	0.425	0.422
202	2013/04/15	15:07:40	0.420	0.432	0.411
203	2013/04/15	15:08:40	0.413	0.422	0.415
204	2013/04/15	15:09:40	0.420	0.428	0.420
205	2013/04/15	15:10:40	0.430	0.449	0.441
206	2013/04/15	15:11:40	0.433	0.442	0.434
207	2013/04/15	15:12:40	0.429	0.441	0.418
208	2013/04/15	15:13:40	0.439	0.465	0.465
209	2013/04/15	15:14:40	0.435	0.467	0.445
210	2013/04/15	15:15:40	0.435	0.446	0.431

211	2013/04/15	15:16:40	0.439	0.451	0.440
212	2013/04/15	15:17:40	0.434	0.443	0.431
213	2013/04/15	15:18:40	0.436	0.442	0.432
214	2013/04/15	15:19:40	0.433	0.442	0.427
215	2013/04/15	15:20:40	0.432	0.448	0.422
216	2013/04/15	15:21:40	0.420	0.428	0.426
217	2013/04/15	15:22:40	0.420	0.433	0.424
218	2013/04/15	15:23:40	0.426	0.441	0.409
219	2013/04/15	15:24:40	0.416	0.430	0.423
220	2013/04/15	15:25:40	0.412	0.429	0.412
221	2013/04/15	15:26:40	0.404	0.413	0.404
222	2013/04/15	15:27:40	0.409	0.438	0.407
223	2013/04/15	15:28:40	0.411	0.423	0.418
224	2013/04/15	15:29:40	0.416	0.435	0.407
225	2013/04/15	15:30:40	0.419	0.434	0.426
226	2013/04/15	15:31:40	0.413	0.438	0.406
227	2013/04/15	15:32:40	0.414	0.427	0.415
228	2013/04/15	15:33:40	0.414	0.433	0.433
229	2013/04/15	15:34:40	0.421	0.445	0.409
230	2013/04/15	15:35:40	0.413	0.430	0.414
231	2013/04/15	15:36:40	0.420	0.434	0.405
232	2013/04/15	15:37:40	0.419	0.451	0.419
233	2013/04/15	15:38:40	0.412	0.430	0.429
234	2013/04/15	15:39:40	0.416	0.427	0.419
235	2013/04/15	15:40:40	0.416	0.427	0.414
236	2013/04/15	15:41:40	0.411	0.428	0.407
237	2013/04/15	15:42:40	0.414	0.428	0.412
238	2013/04/15	15:43:40	0.414	0.419	0.419
239	2013/04/15	15:44:40	0.421	0.450	0.424
240	2013/04/15	15:45:40	0.413	0.424	0.411
241	2013/04/15	15:46:40	0.413	0.428	0.427
242	2013/04/15	15:47:40	0.419	0.427	0.417
243	2013/04/15	15:48:40	0.416	0.423	0.415
244	2013/04/15	15:49:40	0.415	0.432	0.411
245	2013/04/15	15:50:40	0.416	0.425	0.410
246	2013/04/15	15:51:40	0.422	0.446	0.420
247	2013/04/15	15:52:40	0.415	0.429	0.409
248	2013/04/15	15:53:40	0.412	0.428	0.427
249	2013/04/15	15:54:40	0.415	0.427	0.419
250	2013/04/15	15:55:40	0.417	0.432	0.432
251	2013/04/15	15:56:40	0.412	0.432	0.416
252	2013/04/15	15:57:40	0.415	0.424	0.416
253	2013/04/15	15:58:40	0.409	0.447	0.399
254	2013/04/15	15:59:40	0.401	0.410	0.398
255	2013/04/15	16:00:40	0.399	0.419	0.383
256	2013/04/15	16:01:40	0.375	0.383	0.373
257	2013/04/15	16:02:40	0.372	0.380	0.370
258	2013/04/15	16:03:40	0.364	0.379	0.364
259	2013/04/15	16:04:40	0.357	0.366	0.350
260	2013/04/15	16:05:40	0.353	0.361	0.347
261	2013/04/15	16:06:40	0.352	0.369	0.345
262	2013/04/15	16:07:40	0.342	0.353	0.353
263	2013/04/15	16:08:40	0.346	0.362	0.341
264	2013/04/15	16:09:40	0.344	0.351	0.343
265	2013/04/15	16:10:40	0.345	0.360	0.360
266	2013/04/15	16:11:40	0.347	0.360	0.348
267	2013/04/15	16:12:40	0.348	0.361	0.346
268	2013/04/15	16:13:40	0.354	0.361	0.353
269	2013/04/15	16:14:40	0.349	0.361	0.356
270	2013/04/15	16:15:40	0.356	0.366	0.353
271	2013/04/15	16:16:40	0.360	0.374	0.373
272	2013/04/15	16:17:40	0.367	0.380	0.369
273	2013/04/15	16:18:40	0.367	0.375	0.366

274	2013/04/15 16:19:40	0.373	0.384	0.383
275	2013/04/15 16:20:40	0.375	0.386	0.383
276	2013/04/15 16:21:40	0.370	0.384	0.373
277	2013/04/15 16:22:40	0.372	0.381	0.380
278	2013/04/15 16:23:40	0.371	0.378	0.376
279	2013/04/15 16:24:40	0.378	0.390	0.377
280	2013/04/15 16:25:40	0.376	0.387	0.387
281	2013/04/15 16:26:40	0.377	0.387	0.377
282	2013/04/15 16:27:40	0.379	0.388	0.371
Peak		0.472	0.560	0.504
Min		0.084	0.091	0.082
Average		0.380	0.396	0.382

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/04/15 11:46:40	0.000	---	
002	2013/04/15 11:47:40	0.000	---	
003	2013/04/15 11:48:40	0.001	---	
004	2013/04/15 11:49:40	0.001	---	
005	2013/04/15 11:50:40	0.001	---	
006	2013/04/15 11:51:40	0.001	---	
007	2013/04/15 11:52:40	0.002	---	
008	2013/04/15 11:53:40	0.002	---	
009	2013/04/15 11:54:40	0.003	---	
010	2013/04/15 11:55:40	0.003	---	
011	2013/04/15 11:56:40	0.004	---	
012	2013/04/15 11:57:40	0.004	---	
013	2013/04/15 11:58:40	0.005	---	
014	2013/04/15 11:59:40	0.005	---	
015	2013/04/15 12:00:40	0.006	0.189	
016	2013/04/15 12:01:40	0.007	0.203	
017	2013/04/15 12:02:40	0.007	0.217	
018	2013/04/15 12:03:40	0.008	0.230	
019	2013/04/15 12:04:40	0.008	0.243	
020	2013/04/15 12:05:40	0.009	0.254	
021	2013/04/15 12:06:40	0.010	0.265	
022	2013/04/15 12:07:40	0.010	0.274	
023	2013/04/15 12:08:40	0.011	0.284	
024	2013/04/15 12:09:40	0.012	0.292	
025	2013/04/15 12:10:40	0.012	0.299	
026	2013/04/15 12:11:40	0.013	0.305	
027	2013/04/15 12:12:40	0.014	0.310	
028	2013/04/15 12:13:40	0.015	0.314	
029	2013/04/15 12:14:40	0.015	0.318	
030	2013/04/15 12:15:40	0.016	0.320	
031	2013/04/15 12:16:40	0.017	0.323	
032	2013/04/15 12:17:40	0.017	0.325	
033	2013/04/15 12:18:40	0.018	0.326	
034	2013/04/15 12:19:40	0.019	0.327	
035	2013/04/15 12:20:40	0.019	0.328	
036	2013/04/15 12:21:40	0.020	0.329	
037	2013/04/15 12:22:40	0.021	0.328	
038	2013/04/15 12:23:40	0.021	0.328	
039	2013/04/15 12:24:40	0.022	0.327	
040	2013/04/15 12:25:40	0.023	0.327	
041	2013/04/15 12:26:40	0.023	0.326	
042	2013/04/15 12:27:40	0.024	0.325	
043	2013/04/15 12:28:40	0.025	0.325	
044	2013/04/15 12:29:40	0.025	0.324	
045	2013/04/15 12:30:40	0.026	0.324	
046	2013/04/15 12:31:40	0.027	0.324	

047	2013/04/15 12:32:40	0.027	0.324
048	2013/04/15 12:33:40	0.028	0.324
049	2013/04/15 12:34:40	0.029	0.324
050	2013/04/15 12:35:40	0.029	0.325
051	2013/04/15 12:36:40	0.030	0.325
052	2013/04/15 12:37:40	0.031	0.325
053	2013/04/15 12:38:40	0.031	0.325
054	2013/04/15 12:39:40	0.032	0.326
055	2013/04/15 12:40:40	0.033	0.327
056	2013/04/15 12:41:40	0.034	0.328
057	2013/04/15 12:42:40	0.034	0.329
058	2013/04/15 12:43:40	0.035	0.329
059	2013/04/15 12:44:40	0.036	0.329
060	2013/04/15 12:45:40	0.036	0.329
061	2013/04/15 12:46:40	0.037	0.329
062	2013/04/15 12:47:40	0.038	0.329
063	2013/04/15 12:48:40	0.038	0.329
064	2013/04/15 12:49:40	0.039	0.329
065	2013/04/15 12:50:40	0.040	0.328
066	2013/04/15 12:51:40	0.040	0.329
067	2013/04/15 12:52:40	0.041	0.330
068	2013/04/15 12:53:40	0.042	0.331
069	2013/04/15 12:54:40	0.042	0.330
070	2013/04/15 12:55:40	0.043	0.329
071	2013/04/15 12:56:40	0.044	0.330
072	2013/04/15 12:57:40	0.045	0.330
073	2013/04/15 12:58:40	0.045	0.332
074	2013/04/15 12:59:40	0.046	0.332
075	2013/04/15 13:00:40	0.047	0.333
076	2013/04/15 13:01:40	0.047	0.334
077	2013/04/15 13:02:40	0.048	0.336
078	2013/04/15 13:03:40	0.049	0.336
079	2013/04/15 13:04:40	0.050	0.338
080	2013/04/15 13:05:40	0.050	0.342
081	2013/04/15 13:06:40	0.051	0.344
082	2013/04/15 13:07:40	0.052	0.344
083	2013/04/15 13:08:40	0.053	0.345
084	2013/04/15 13:09:40	0.053	0.347
085	2013/04/15 13:10:40	0.054	0.348
086	2013/04/15 13:11:40	0.055	0.349
087	2013/04/15 13:12:40	0.056	0.350
088	2013/04/15 13:13:40	0.056	0.349
089	2013/04/15 13:14:40	0.057	0.351
090	2013/04/15 13:15:40	0.058	0.355
091	2013/04/15 13:16:40	0.059	0.355
092	2013/04/15 13:17:40	0.059	0.355
093	2013/04/15 13:18:40	0.060	0.355
094	2013/04/15 13:19:40	0.061	0.356
095	2013/04/15 13:20:40	0.061	0.354
096	2013/04/15 13:21:40	0.062	0.353
097	2013/04/15 13:22:40	0.063	0.354
098	2013/04/15 13:23:40	0.064	0.354
099	2013/04/15 13:24:40	0.064	0.356
100	2013/04/15 13:25:40	0.065	0.357
101	2013/04/15 13:26:40	0.066	0.358
102	2013/04/15 13:27:40	0.067	0.359
103	2013/04/15 13:28:40	0.068	0.360
104	2013/04/15 13:29:40	0.068	0.362
105	2013/04/15 13:30:40	0.069	0.361
106	2013/04/15 13:31:40	0.070	0.363
107	2013/04/15 13:32:40	0.071	0.366
108	2013/04/15 13:33:40	0.071	0.368
109	2013/04/15 13:34:40	0.072	0.370

110	2013/04/15 13:35:40	0.073	0.372
111	2013/04/15 13:36:40	0.074	0.374
112	2013/04/15 13:37:40	0.075	0.377
113	2013/04/15 13:38:40	0.076	0.380
114	2013/04/15 13:39:40	0.076	0.381
115	2013/04/15 13:40:40	0.077	0.383
116	2013/04/15 13:41:40	0.078	0.385
117	2013/04/15 13:42:40	0.079	0.388
118	2013/04/15 13:43:40	0.080	0.390
119	2013/04/15 13:44:40	0.081	0.392
120	2013/04/15 13:45:40	0.081	0.395
121	2013/04/15 13:46:40	0.082	0.397
122	2013/04/15 13:47:40	0.083	0.399
123	2013/04/15 13:48:40	0.084	0.402
124	2013/04/15 13:49:40	0.085	0.405
125	2013/04/15 13:50:40	0.086	0.407
126	2013/04/15 13:51:40	0.087	0.410
127	2013/04/15 13:52:40	0.088	0.412
128	2013/04/15 13:53:40	0.089	0.415
129	2013/04/15 13:54:40	0.089	0.416
130	2013/04/15 13:55:40	0.090	0.419
131	2013/04/15 13:56:40	0.091	0.422
132	2013/04/15 13:57:40	0.092	0.424
133	2013/04/15 13:58:40	0.093	0.427
134	2013/04/15 13:59:40	0.094	0.429
135	2013/04/15 14:00:40	0.095	0.430
136	2013/04/15 14:01:40	0.096	0.432
137	2013/04/15 14:02:40	0.097	0.434
138	2013/04/15 14:03:40	0.098	0.435
139	2013/04/15 14:04:40	0.099	0.437
140	2013/04/15 14:05:40	0.100	0.438
141	2013/04/15 14:06:40	0.100	0.439
142	2013/04/15 14:07:40	0.101	0.441
143	2013/04/15 14:08:40	0.102	0.443
144	2013/04/15 14:09:40	0.103	0.447
145	2013/04/15 14:10:40	0.104	0.449
146	2013/04/15 14:11:40	0.105	0.451
147	2013/04/15 14:12:40	0.106	0.453
148	2013/04/15 14:13:40	0.107	0.453
149	2013/04/15 14:14:40	0.108	0.454
150	2013/04/15 14:15:40	0.109	0.455
151	2013/04/15 14:16:40	0.110	0.456
152	2013/04/15 14:17:40	0.111	0.457
153	2013/04/15 14:18:40	0.112	0.456
154	2013/04/15 14:19:40	0.113	0.457
155	2013/04/15 14:20:40	0.114	0.459
156	2013/04/15 14:21:40	0.115	0.460
157	2013/04/15 14:22:40	0.116	0.461
158	2013/04/15 14:23:40	0.117	0.461
159	2013/04/15 14:24:40	0.118	0.460
160	2013/04/15 14:25:40	0.119	0.459
161	2013/04/15 14:26:40	0.120	0.461
162	2013/04/15 14:27:40	0.121	0.460
163	2013/04/15 14:28:40	0.122	0.460
164	2013/04/15 14:29:40	0.123	0.461
165	2013/04/15 14:30:40	0.124	0.462
166	2013/04/15 14:31:40	0.125	0.463
167	2013/04/15 14:32:40	0.125	0.464
168	2013/04/15 14:33:40	0.126	0.464
169	2013/04/15 14:34:40	0.127	0.465
170	2013/04/15 14:35:40	0.128	0.466
171	2013/04/15 14:36:40	0.129	0.466
172	2013/04/15 14:37:40	0.130	0.466

173	2013/04/15 14:38:40	0.131	0.465
174	2013/04/15 14:39:40	0.132	0.464
175	2013/04/15 14:40:40	0.133	0.465
176	2013/04/15 14:41:40	0.134	0.462
177	2013/04/15 14:42:40	0.135	0.462
178	2013/04/15 14:43:40	0.136	0.462
179	2013/04/15 14:44:40	0.137	0.461
180	2013/04/15 14:45:40	0.138	0.460
181	2013/04/15 14:46:40	0.139	0.460
182	2013/04/15 14:47:40	0.140	0.460
183	2013/04/15 14:48:40	0.141	0.460
184	2013/04/15 14:49:40	0.142	0.458
185	2013/04/15 14:50:40	0.143	0.457
186	2013/04/15 14:51:40	0.144	0.459
187	2013/04/15 14:52:40	0.145	0.459
188	2013/04/15 14:53:40	0.146	0.459
189	2013/04/15 14:54:40	0.147	0.458
190	2013/04/15 14:55:40	0.147	0.456
191	2013/04/15 14:56:40	0.148	0.453
192	2013/04/15 14:57:40	0.149	0.449
193	2013/04/15 14:58:40	0.150	0.446
194	2013/04/15 14:59:40	0.151	0.441
195	2013/04/15 15:00:40	0.152	0.438
196	2013/04/15 15:01:40	0.152	0.434
197	2013/04/15 15:02:40	0.153	0.430
198	2013/04/15 15:03:40	0.154	0.430
199	2013/04/15 15:04:40	0.155	0.427
200	2013/04/15 15:05:40	0.156	0.424
201	2013/04/15 15:06:40	0.157	0.419
202	2013/04/15 15:07:40	0.158	0.416
203	2013/04/15 15:08:40	0.159	0.413
204	2013/04/15 15:09:40	0.159	0.411
205	2013/04/15 15:10:40	0.160	0.412
206	2013/04/15 15:11:40	0.161	0.414
207	2013/04/15 15:12:40	0.162	0.416
208	2013/04/15 15:13:40	0.163	0.420
209	2013/04/15 15:14:40	0.164	0.423
210	2013/04/15 15:15:40	0.165	0.425
211	2013/04/15 15:16:40	0.166	0.427
212	2013/04/15 15:17:40	0.167	0.429
213	2013/04/15 15:18:40	0.168	0.428
214	2013/04/15 15:19:40	0.168	0.429
215	2013/04/15 15:20:40	0.169	0.430
216	2013/04/15 15:21:40	0.170	0.431
217	2013/04/15 15:22:40	0.171	0.431
218	2013/04/15 15:23:40	0.172	0.431
219	2013/04/15 15:24:40	0.173	0.431
220	2013/04/15 15:25:40	0.174	0.429
221	2013/04/15 15:26:40	0.175	0.427
222	2013/04/15 15:27:40	0.175	0.427
223	2013/04/15 15:28:40	0.176	0.423
224	2013/04/15 15:29:40	0.177	0.421
225	2013/04/15 15:30:40	0.178	0.421
226	2013/04/15 15:31:40	0.179	0.418
227	2013/04/15 15:32:40	0.180	0.417
228	2013/04/15 15:33:40	0.181	0.417
229	2013/04/15 15:34:40	0.181	0.416
230	2013/04/15 15:35:40	0.182	0.416
231	2013/04/15 15:36:40	0.183	0.414
232	2013/04/15 15:37:40	0.184	0.414
233	2013/04/15 15:38:40	0.185	0.415
234	2013/04/15 15:39:40	0.186	0.415
235	2013/04/15 15:40:40	0.187	0.415

236	2013/04/15 15:41:40	0.188	0.415
237	2013/04/15 15:42:40	0.188	0.416
238	2013/04/15 15:43:40	0.189	0.416
239	2013/04/15 15:44:40	0.190	0.417
240	2013/04/15 15:45:40	0.191	0.416
241	2013/04/15 15:46:40	0.192	0.417
242	2013/04/15 15:47:40	0.193	0.417
243	2013/04/15 15:48:40	0.194	0.416
244	2013/04/15 15:49:40	0.195	0.416
245	2013/04/15 15:50:40	0.195	0.416
246	2013/04/15 15:51:40	0.196	0.417
247	2013/04/15 15:52:40	0.197	0.416
248	2013/04/15 15:53:40	0.198	0.416
249	2013/04/15 15:54:40	0.199	0.416
250	2013/04/15 15:55:40	0.200	0.417
251	2013/04/15 15:56:40	0.201	0.418
252	2013/04/15 15:57:40	0.201	0.418
253	2013/04/15 15:58:40	0.202	0.417
254	2013/04/15 15:59:40	0.203	0.415
255	2013/04/15 16:00:40	0.204	0.413
256	2013/04/15 16:01:40	0.205	0.410
257	2013/04/15 16:02:40	0.205	0.407
258	2013/04/15 16:03:40	0.206	0.403
259	2013/04/15 16:04:40	0.207	0.399
260	2013/04/15 16:05:40	0.208	0.395
261	2013/04/15 16:06:40	0.208	0.390
262	2013/04/15 16:07:40	0.209	0.386
263	2013/04/15 16:08:40	0.210	0.380
264	2013/04/15 16:09:40	0.211	0.375
265	2013/04/15 16:10:40	0.211	0.371
266	2013/04/15 16:11:40	0.212	0.366
267	2013/04/15 16:12:40	0.213	0.361
268	2013/04/15 16:13:40	0.214	0.358
269	2013/04/15 16:14:40	0.214	0.355
270	2013/04/15 16:15:40	0.215	0.353
271	2013/04/15 16:16:40	0.216	0.353
272	2013/04/15 16:17:40	0.217	0.353
273	2013/04/15 16:18:40	0.217	0.354
274	2013/04/15 16:19:40	0.218	0.356
275	2013/04/15 16:20:40	0.219	0.358
276	2013/04/15 16:21:40	0.220	0.360
277	2013/04/15 16:22:40	0.220	0.362
278	2013/04/15 16:23:40	0.221	0.364
279	2013/04/15 16:24:40	0.222	0.366
280	2013/04/15 16:25:40	0.223	0.368
281	2013/04/15 16:26:40	0.224	0.370
282	2013/04/15 16:27:40	0.224	0.372

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13/04/16 08:19

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909023
Unit Firmware Ver V1.10C

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/16 08:19:17
End 2013/04/16 13:39:21
Sample Period(s) 60
Number of Records 320

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/15 09:51
Peak 0.309
Min 0.000
Average 0.140

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2013/04/16 08:20:17	0.000	0.000	0.000	
002	2013/04/16 08:21:17	0.000	0.000	0.000	
003	2013/04/16 08:22:17	0.001	0.006	0.006	
004	2013/04/16 08:23:17	0.011	0.017	0.017	
005	2013/04/16 08:24:17	0.021	0.026	0.026	
006	2013/04/16 08:25:17	0.030	0.034	0.034	
007	2013/04/16 08:26:17	0.038	0.043	0.043	
008	2013/04/16 08:27:17	0.046	0.050	0.050	
009	2013/04/16 08:28:17	0.053	0.056	0.056	
010	2013/04/16 08:29:17	0.059	0.062	0.061	
011	2013/04/16 08:30:17	0.065	0.069	0.069	
012	2013/04/16 08:31:17	0.071	0.075	0.075	
013	2013/04/16 08:32:17	0.077	0.079	0.079	
014	2013/04/16 08:33:17	0.080	0.083	0.083	
015	2013/04/16 08:34:17	0.085	0.088	0.088	
016	2013/04/16 08:35:17	0.089	0.093	0.093	
017	2013/04/16 08:36:17	0.093	0.097	0.096	
018	2013/04/16 08:37:17	0.097	0.101	0.101	
019	2013/04/16 08:38:17	0.102	0.104	0.104	
020	2013/04/16 08:39:17	0.104	0.106	0.106	
021	2013/04/16 08:40:17	0.109	0.113	0.112	
022	2013/04/16 08:41:17	0.111	0.120	0.111	
023	2013/04/16 08:42:17	0.114	0.118	0.118	
024	2013/04/16 08:43:17	0.118	0.122	0.117	
025	2013/04/16 08:44:17	0.119	0.121	0.120	
026	2013/04/16 08:45:17	0.124	0.179	0.179	
027	2013/04/16 08:46:17	0.152	0.204	0.130	
028	2013/04/16 08:47:17	0.128	0.132	0.127	
029	2013/04/16 08:48:17	0.127	0.129	0.129	
030	2013/04/16 08:49:17	0.132	0.139	0.137	
031	2013/04/16 08:50:17	0.133	0.137	0.133	
032	2013/04/16 08:51:17	0.133	0.136	0.136	
033	2013/04/16 08:52:17	0.136	0.144	0.135	
034	2013/04/16 08:53:17	0.135	0.137	0.136	
035	2013/04/16 08:54:17	0.137	0.142	0.142	
036	2013/04/16 08:55:17	0.137	0.143	0.138	
037	2013/04/16 08:56:17	0.140	0.144	0.139	

038	2013/04/16	08:57:17	0.140	0.145	0.140
039	2013/04/16	08:58:17	0.142	0.144	0.143
040	2013/04/16	08:59:17	0.141	0.146	0.142
041	2013/04/16	09:00:17	0.141	0.143	0.141
042	2013/04/16	09:01:17	0.141	0.144	0.143
043	2013/04/16	09:02:17	0.142	0.143	0.142
044	2013/04/16	09:03:17	0.143	0.147	0.144
045	2013/04/16	09:04:17	0.143	0.144	0.144
046	2013/04/16	09:05:17	0.143	0.144	0.143
047	2013/04/16	09:06:17	0.143	0.144	0.143
048	2013/04/16	09:07:17	0.143	0.145	0.145
049	2013/04/16	09:08:17	0.145	0.147	0.145
050	2013/04/16	09:09:17	0.146	0.153	0.146
051	2013/04/16	09:10:17	0.145	0.150	0.146
052	2013/04/16	09:11:17	0.145	0.147	0.145
053	2013/04/16	09:12:17	0.144	0.146	0.143
054	2013/04/16	09:13:17	0.143	0.145	0.145
055	2013/04/16	09:14:17	0.145	0.148	0.145
056	2013/04/16	09:15:17	0.144	0.146	0.144
057	2013/04/16	09:16:17	0.145	0.147	0.145
058	2013/04/16	09:17:17	0.145	0.146	0.146
059	2013/04/16	09:18:17	0.146	0.147	0.146
060	2013/04/16	09:19:17	0.146	0.159	0.146
061	2013/04/16	09:20:17	0.146	0.155	0.153
062	2013/04/16	09:21:17	0.150	0.161	0.157
063	2013/04/16	09:22:17	0.159	0.202	0.152
064	2013/04/16	09:23:17	0.148	0.162	0.147
065	2013/04/16	09:24:17	0.147	0.148	0.148
066	2013/04/16	09:25:17	0.149	0.151	0.151
067	2013/04/16	09:26:17	0.147	0.153	0.148
068	2013/04/16	09:27:17	0.150	0.177	0.146
069	2013/04/16	09:28:17	0.147	0.148	0.147
070	2013/04/16	09:29:17	0.148	0.151	0.151
071	2013/04/16	09:30:17	0.150	0.152	0.151
072	2013/04/16	09:31:17	0.152	0.155	0.154
073	2013/04/16	09:32:17	0.154	0.156	0.156
074	2013/04/16	09:33:17	0.155	0.157	0.157
075	2013/04/16	09:34:17	0.156	0.157	0.157
076	2013/04/16	09:35:17	0.158	0.160	0.158
077	2013/04/16	09:36:17	0.160	0.171	0.163
078	2013/04/16	09:37:17	0.162	0.168	0.167
079	2013/04/16	09:38:17	0.164	0.166	0.165
080	2013/04/16	09:39:17	0.185	0.249	0.194
081	2013/04/16	09:40:17	0.174	0.197	0.171
082	2013/04/16	09:41:17	0.203	0.310	0.309
083	2013/04/16	09:42:17	0.174	0.276	0.172
084	2013/04/16	09:43:17	0.173	0.184	0.174
085	2013/04/16	09:44:17	0.177	0.191	0.188
086	2013/04/16	09:45:17	0.178	0.193	0.179
087	2013/04/16	09:46:17	0.183	0.223	0.179
088	2013/04/16	09:47:17	0.183	0.196	0.180
089	2013/04/16	09:48:17	0.181	0.186	0.186
090	2013/04/16	09:49:17	0.188	0.208	0.184
091	2013/04/16	09:50:17	0.186	0.210	0.185
092	2013/04/16	09:51:17	0.188	0.221	0.185
093	2013/04/16	09:52:17	0.186	0.189	0.187
094	2013/04/16	09:53:17	0.189	0.194	0.189
095	2013/04/16	09:54:17	0.189	0.191	0.189
096	2013/04/16	09:55:17	0.194	0.222	0.189
097	2013/04/16	09:56:17	0.189	0.191	0.191
098	2013/04/16	09:57:17	0.191	0.195	0.191
099	2013/04/16	09:58:17	0.191	0.193	0.192
100	2013/04/16	09:59:17	0.197	0.239	0.191

101	2013/04/16	10:00:17	0.192	0.196	0.192
102	2013/04/16	10:01:17	0.198	0.251	0.211
103	2013/04/16	10:02:17	0.197	0.214	0.214
104	2013/04/16	10:03:17	0.195	0.238	0.193
105	2013/04/16	10:04:17	0.193	0.195	0.194
106	2013/04/16	10:05:17	0.194	0.197	0.194
107	2013/04/16	10:06:17	0.196	0.213	0.196
108	2013/04/16	10:07:17	0.195	0.196	0.195
109	2013/04/16	10:08:17	0.195	0.196	0.196
110	2013/04/16	10:09:17	0.196	0.198	0.198
111	2013/04/16	10:10:17	0.197	0.202	0.198
112	2013/04/16	10:11:17	0.198	0.199	0.198
113	2013/04/16	10:12:17	0.197	0.200	0.200
114	2013/04/16	10:13:17	0.197	0.200	0.198
115	2013/04/16	10:14:17	0.200	0.212	0.197
116	2013/04/16	10:15:17	0.197	0.200	0.197
117	2013/04/16	10:16:17	0.199	0.221	0.199
118	2013/04/16	10:17:17	0.210	0.259	0.205
119	2013/04/16	10:18:17	0.196	0.208	0.191
120	2013/04/16	10:19:17	0.203	0.243	0.195
121	2013/04/16	10:20:17	0.198	0.232	0.192
122	2013/04/16	10:21:17	0.196	0.224	0.192
123	2013/04/16	10:22:17	0.194	0.198	0.194
124	2013/04/16	10:23:17	0.197	0.230	0.192
125	2013/04/16	10:24:17	0.196	0.230	0.194
126	2013/04/16	10:25:17	0.193	0.195	0.193
127	2013/04/16	10:26:17	0.195	0.214	0.191
128	2013/04/16	10:27:17	0.196	0.273	0.273
129	2013/04/16	10:28:17	0.191	0.273	0.190
130	2013/04/16	10:29:17	0.192	0.214	0.187
131	2013/04/16	10:30:17	0.188	0.191	0.188
132	2013/04/16	10:31:17	0.190	0.217	0.189
133	2013/04/16	10:32:17	0.194	0.245	0.183
134	2013/04/16	10:33:17	0.193	0.245	0.179
135	2013/04/16	10:34:17	0.194	0.243	0.185
136	2013/04/16	10:35:17	0.180	0.203	0.178
137	2013/04/16	10:36:17	0.180	0.183	0.180
138	2013/04/16	10:37:17	0.181	0.184	0.182
139	2013/04/16	10:38:17	0.179	0.182	0.178
140	2013/04/16	10:39:17	0.179	0.181	0.180
141	2013/04/16	10:40:17	0.182	0.192	0.182
142	2013/04/16	10:41:17	0.182	0.206	0.177
143	2013/04/16	10:42:17	0.176	0.179	0.176
144	2013/04/16	10:43:17	0.176	0.178	0.176
145	2013/04/16	10:44:17	0.184	0.219	0.191
146	2013/04/16	10:45:17	0.198	0.267	0.189
147	2013/04/16	10:46:17	0.174	0.214	0.169
148	2013/04/16	10:47:17	0.169	0.172	0.171
149	2013/04/16	10:48:17	0.173	0.201	0.169
150	2013/04/16	10:49:17	0.169	0.170	0.170
151	2013/04/16	10:50:17	0.172	0.195	0.169
152	2013/04/16	10:51:17	0.169	0.173	0.173
153	2013/04/16	10:52:17	0.176	0.231	0.166
154	2013/04/16	10:53:17	0.168	0.181	0.166
155	2013/04/16	10:54:17	0.167	0.177	0.177
156	2013/04/16	10:55:17	0.170	0.194	0.172
157	2013/04/16	10:56:17	0.167	0.177	0.166
158	2013/04/16	10:57:17	0.177	0.246	0.165
159	2013/04/16	10:58:17	0.167	0.191	0.165
160	2013/04/16	10:59:17	0.167	0.171	0.169
161	2013/04/16	11:00:17	0.169	0.182	0.176
162	2013/04/16	11:01:17	0.171	0.195	0.168
163	2013/04/16	11:02:17	0.178	0.269	0.165

164	2013/04/16 11:03:17	0.167	0.172	0.171
165	2013/04/16 11:04:17	0.169	0.171	0.170
166	2013/04/16 11:05:17	0.169	0.171	0.169
167	2013/04/16 11:06:17	0.170	0.172	0.171
168	2013/04/16 11:07:17	0.170	0.171	0.170
169	2013/04/16 11:08:17	0.170	0.171	0.170
170	2013/04/16 11:09:17	0.170	0.172	0.170
171	2013/04/16 11:10:17	0.172	0.201	0.169
172	2013/04/16 11:11:17	0.168	0.169	0.169
173	2013/04/16 11:12:17	0.167	0.170	0.166
174	2013/04/16 11:13:17	0.165	0.169	0.165
175	2013/04/16 11:14:17	0.175	0.218	0.176
176	2013/04/16 11:15:17	0.160	0.171	0.158
177	2013/04/16 11:16:17	0.158	0.160	0.158
178	2013/04/16 11:17:17	0.159	0.162	0.158
179	2013/04/16 11:18:17	0.157	0.159	0.157
180	2013/04/16 11:19:17	0.162	0.195	0.157
181	2013/04/16 11:20:17	0.155	0.160	0.153
182	2013/04/16 11:21:17	0.153	0.167	0.153
183	2013/04/16 11:22:17	0.153	0.154	0.153
184	2013/04/16 11:23:17	0.154	0.156	0.155
185	2013/04/16 11:24:17	0.157	0.163	0.155
186	2013/04/16 11:25:17	0.155	0.157	0.155
187	2013/04/16 11:26:17	0.154	0.155	0.155
188	2013/04/16 11:27:17	0.154	0.158	0.155
189	2013/04/16 11:28:17	0.155	0.158	0.156
190	2013/04/16 11:29:17	0.156	0.160	0.160
191	2013/04/16 11:30:17	0.156	0.160	0.155
192	2013/04/16 11:31:17	0.155	0.157	0.157
193	2013/04/16 11:32:17	0.156	0.158	0.157
194	2013/04/16 11:33:17	0.156	0.158	0.156
195	2013/04/16 11:34:17	0.156	0.158	0.157
196	2013/04/16 11:35:17	0.158	0.168	0.163
197	2013/04/16 11:36:17	0.158	0.163	0.157
198	2013/04/16 11:37:17	0.157	0.159	0.157
199	2013/04/16 11:38:17	0.157	0.159	0.158
200	2013/04/16 11:39:17	0.157	0.159	0.158
201	2013/04/16 11:40:17	0.157	0.160	0.160
202	2013/04/16 11:41:17	0.157	0.161	0.158
203	2013/04/16 11:42:17	0.158	0.164	0.158
204	2013/04/16 11:43:17	0.157	0.160	0.156
205	2013/04/16 11:44:17	0.158	0.159	0.158
206	2013/04/16 11:45:17	0.157	0.159	0.158
207	2013/04/16 11:46:17	0.157	0.158	0.157
208	2013/04/16 11:47:17	0.159	0.174	0.158
209	2013/04/16 11:48:17	0.156	0.158	0.157
210	2013/04/16 11:49:17	0.157	0.158	0.158
211	2013/04/16 11:50:17	0.155	0.158	0.156
212	2013/04/16 11:51:17	0.155	0.156	0.155
213	2013/04/16 11:52:17	0.155	0.158	0.157
214	2013/04/16 11:53:17	0.155	0.157	0.156
215	2013/04/16 11:54:17	0.156	0.158	0.155
216	2013/04/16 11:55:17	0.154	0.157	0.154
217	2013/04/16 11:56:17	0.156	0.168	0.154
218	2013/04/16 11:57:17	0.153	0.155	0.153
219	2013/04/16 11:58:17	0.153	0.164	0.156
220	2013/04/16 11:59:17	0.150	0.157	0.150
221	2013/04/16 12:00:17	0.148	0.150	0.149
222	2013/04/16 12:01:17	0.148	0.152	0.148
223	2013/04/16 12:02:17	0.145	0.148	0.147
224	2013/04/16 12:03:17	0.143	0.147	0.143
225	2013/04/16 12:04:17	0.142	0.150	0.150
226	2013/04/16 12:05:17	0.151	0.216	0.142

227	2013/04/16	12:06:17	0.145	0.152	0.145
228	2013/04/16	12:07:17	0.142	0.148	0.141
229	2013/04/16	12:08:17	0.142	0.148	0.142
230	2013/04/16	12:09:17	0.141	0.144	0.140
231	2013/04/16	12:10:17	0.140	0.144	0.141
232	2013/04/16	12:11:17	0.141	0.143	0.141
233	2013/04/16	12:12:17	0.141	0.142	0.140
234	2013/04/16	12:13:17	0.142	0.151	0.149
235	2013/04/16	12:14:17	0.153	0.215	0.144
236	2013/04/16	12:15:17	0.144	0.150	0.144
237	2013/04/16	12:16:17	0.144	0.149	0.142
238	2013/04/16	12:17:17	0.146	0.197	0.142
239	2013/04/16	12:18:17	0.141	0.144	0.143
240	2013/04/16	12:19:17	0.142	0.144	0.144
241	2013/04/16	12:20:17	0.141	0.144	0.140
242	2013/04/16	12:21:17	0.140	0.145	0.143
243	2013/04/16	12:22:17	0.142	0.145	0.140
244	2013/04/16	12:23:17	0.139	0.143	0.141
245	2013/04/16	12:24:17	0.139	0.142	0.137
246	2013/04/16	12:25:17	0.136	0.138	0.136
247	2013/04/16	12:26:17	0.138	0.162	0.135
248	2013/04/16	12:27:17	0.133	0.136	0.131
249	2013/04/16	12:28:17	0.130	0.132	0.129
250	2013/04/16	12:29:17	0.127	0.130	0.126
251	2013/04/16	12:30:17	0.126	0.129	0.125
252	2013/04/16	12:31:17	0.123	0.126	0.123
253	2013/04/16	12:32:17	0.120	0.123	0.120
254	2013/04/16	12:33:17	0.117	0.120	0.116
255	2013/04/16	12:34:17	0.115	0.117	0.114
256	2013/04/16	12:35:17	0.113	0.116	0.111
257	2013/04/16	12:36:17	0.111	0.113	0.111
258	2013/04/16	12:37:17	0.112	0.117	0.110
259	2013/04/16	12:38:17	0.108	0.110	0.107
260	2013/04/16	12:39:17	0.106	0.108	0.105
261	2013/04/16	12:40:17	0.105	0.111	0.103
262	2013/04/16	12:41:17	0.102	0.104	0.103
263	2013/04/16	12:42:17	0.105	0.127	0.102
264	2013/04/16	12:43:17	0.101	0.108	0.098
265	2013/04/16	12:44:17	0.098	0.100	0.098
266	2013/04/16	12:45:17	0.097	0.099	0.097
267	2013/04/16	12:46:17	0.097	0.098	0.097
268	2013/04/16	12:47:17	0.099	0.126	0.099
269	2013/04/16	12:48:17	0.096	0.125	0.093
270	2013/04/16	12:49:17	0.094	0.101	0.092
271	2013/04/16	12:50:17	0.091	0.092	0.091
272	2013/04/16	12:51:17	0.099	0.189	0.100
273	2013/04/16	12:52:17	0.095	0.100	0.091
274	2013/04/16	12:53:17	0.089	0.091	0.091
275	2013/04/16	12:54:17	0.090	0.100	0.088
276	2013/04/16	12:55:17	0.089	0.101	0.088
277	2013/04/16	12:56:17	0.088	0.092	0.092
278	2013/04/16	12:57:17	0.089	0.096	0.086
279	2013/04/16	12:58:17	0.085	0.106	0.082
280	2013/04/16	12:59:17	0.084	0.094	0.085
281	2013/04/16	13:00:17	0.085	0.090	0.086
282	2013/04/16	13:01:17	0.083	0.085	0.084
283	2013/04/16	13:02:17	0.083	0.090	0.081
284	2013/04/16	13:03:17	0.081	0.083	0.081
285	2013/04/16	13:04:17	0.080	0.083	0.081
286	2013/04/16	13:05:17	0.080	0.083	0.081
287	2013/04/16	13:06:17	0.101	0.250	0.085
288	2013/04/16	13:07:17	0.084	0.095	0.084
289	2013/04/16	13:08:17	0.084	0.107	0.079

290	2013/04/16 13:09:17	0.079	0.089	0.081
291	2013/04/16 13:10:17	0.080	0.101	0.080
292	2013/04/16 13:11:17	0.079	0.090	0.090
293	2013/04/16 13:12:17	0.078	0.089	0.077
294	2013/04/16 13:13:17	0.081	0.115	0.076
295	2013/04/16 13:14:17	0.076	0.078	0.077
296	2013/04/16 13:15:17	0.076	0.080	0.076
297	2013/04/16 13:16:17	0.077	0.082	0.077
298	2013/04/16 13:17:17	0.082	0.106	0.081
299	2013/04/16 13:18:17	0.075	0.099	0.074
300	2013/04/16 13:19:17	0.078	0.092	0.075
301	2013/04/16 13:20:17	0.074	0.078	0.075
302	2013/04/16 13:21:17	0.074	0.075	0.075
303	2013/04/16 13:22:17	0.075	0.078	0.076
304	2013/04/16 13:23:17	0.074	0.076	0.075
305	2013/04/16 13:24:17	0.074	0.083	0.074
306	2013/04/16 13:25:17	0.074	0.081	0.074
307	2013/04/16 13:26:17	0.074	0.079	0.074
308	2013/04/16 13:27:17	0.074	0.077	0.075
309	2013/04/16 13:28:17	0.077	0.091	0.075
310	2013/04/16 13:29:17	0.074	0.078	0.077
311	2013/04/16 13:30:17	0.079	0.098	0.074
312	2013/04/16 13:31:17	0.075	0.086	0.075
313	2013/04/16 13:32:17	0.075	0.077	0.075
314	2013/04/16 13:33:17	0.076	0.079	0.077
315	2013/04/16 13:34:17	0.077	0.080	0.077
316	2013/04/16 13:35:17	0.077	0.078	0.077
317	2013/04/16 13:36:17	0.078	0.086	0.077
318	2013/04/16 13:37:17	0.077	0.079	0.079
319	2013/04/16 13:38:17	0.078	0.082	0.081
320	2013/04/16 13:39:17	0.079	0.082	0.078
Peak		0.210	0.310	0.309
Min		0.000	0.000	0.000
Average		0.140	0.151	0.140

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/16 08:20:17	0.000	---
002	2013/04/16 08:21:17	0.000	---
003	2013/04/16 08:22:17	0.000	---
004	2013/04/16 08:23:17	0.000	---
005	2013/04/16 08:24:17	0.000	---
006	2013/04/16 08:25:17	0.000	---
007	2013/04/16 08:26:17	0.000	---
008	2013/04/16 08:27:17	0.000	---
009	2013/04/16 08:28:17	0.000	---
010	2013/04/16 08:29:17	0.001	---
011	2013/04/16 08:30:17	0.001	---
012	2013/04/16 08:31:17	0.001	---
013	2013/04/16 08:32:17	0.001	---
014	2013/04/16 08:33:17	0.001	---
015	2013/04/16 08:34:17	0.001	0.046
016	2013/04/16 08:35:17	0.002	0.052
017	2013/04/16 08:36:17	0.002	0.058
018	2013/04/16 08:37:17	0.002	0.065
019	2013/04/16 08:38:17	0.002	0.071
020	2013/04/16 08:39:17	0.002	0.076
021	2013/04/16 08:40:17	0.003	0.081
022	2013/04/16 08:41:17	0.003	0.086
023	2013/04/16 08:42:17	0.003	0.090
024	2013/04/16 08:43:17	0.003	0.094

025	2013/04/16 08:44:17	0.004	0.098
026	2013/04/16 08:45:17	0.004	0.105
027	2013/04/16 08:46:17	0.004	0.109
028	2013/04/16 08:47:17	0.005	0.112
029	2013/04/16 08:48:17	0.005	0.115
030	2013/04/16 08:49:17	0.005	0.119
031	2013/04/16 08:50:17	0.005	0.121
032	2013/04/16 08:51:17	0.006	0.124
033	2013/04/16 08:52:17	0.006	0.126
034	2013/04/16 08:53:17	0.006	0.128
035	2013/04/16 08:54:17	0.007	0.131
036	2013/04/16 08:55:17	0.007	0.133
037	2013/04/16 08:56:17	0.007	0.134
038	2013/04/16 08:57:17	0.007	0.136
039	2013/04/16 08:58:17	0.008	0.138
040	2013/04/16 08:59:17	0.008	0.139
041	2013/04/16 09:00:17	0.008	0.137
042	2013/04/16 09:01:17	0.009	0.137
043	2013/04/16 09:02:17	0.009	0.138
044	2013/04/16 09:03:17	0.009	0.139
045	2013/04/16 09:04:17	0.010	0.140
046	2013/04/16 09:05:17	0.010	0.141
047	2013/04/16 09:06:17	0.010	0.141
048	2013/04/16 09:07:17	0.010	0.142
049	2013/04/16 09:08:17	0.011	0.142
050	2013/04/16 09:09:17	0.011	0.143
051	2013/04/16 09:10:17	0.011	0.143
052	2013/04/16 09:11:17	0.012	0.143
053	2013/04/16 09:12:17	0.012	0.144
054	2013/04/16 09:13:17	0.012	0.144
055	2013/04/16 09:14:17	0.013	0.144
056	2013/04/16 09:15:17	0.013	0.144
057	2013/04/16 09:16:17	0.013	0.144
058	2013/04/16 09:17:17	0.013	0.145
059	2013/04/16 09:18:17	0.014	0.145
060	2013/04/16 09:19:17	0.014	0.145
061	2013/04/16 09:20:17	0.014	0.146
062	2013/04/16 09:21:17	0.015	0.146
063	2013/04/16 09:22:17	0.015	0.147
064	2013/04/16 09:23:17	0.015	0.147
065	2013/04/16 09:24:17	0.016	0.147
066	2013/04/16 09:25:17	0.016	0.148
067	2013/04/16 09:26:17	0.016	0.148
068	2013/04/16 09:27:17	0.017	0.148
069	2013/04/16 09:28:17	0.017	0.148
070	2013/04/16 09:29:17	0.017	0.148
071	2013/04/16 09:30:17	0.017	0.149
072	2013/04/16 09:31:17	0.018	0.150
073	2013/04/16 09:32:17	0.018	0.150
074	2013/04/16 09:33:17	0.018	0.151
075	2013/04/16 09:34:17	0.019	0.152
076	2013/04/16 09:35:17	0.019	0.152
077	2013/04/16 09:36:17	0.019	0.152
078	2013/04/16 09:37:17	0.020	0.153
079	2013/04/16 09:38:17	0.020	0.155
080	2013/04/16 09:39:17	0.021	0.158
081	2013/04/16 09:40:17	0.021	0.159
082	2013/04/16 09:41:17	0.022	0.170
083	2013/04/16 09:42:17	0.022	0.171
084	2013/04/16 09:43:17	0.022	0.173
085	2013/04/16 09:44:17	0.023	0.176
086	2013/04/16 09:45:17	0.023	0.178
087	2013/04/16 09:46:17	0.023	0.179

088	2013/04/16 09:47:17	0.024	0.181
089	2013/04/16 09:48:17	0.024	0.183
090	2013/04/16 09:49:17	0.025	0.185
091	2013/04/16 09:50:17	0.025	0.186
092	2013/04/16 09:51:17	0.025	0.188
093	2013/04/16 09:52:17	0.026	0.189
094	2013/04/16 09:53:17	0.026	0.191
095	2013/04/16 09:54:17	0.026	0.190
096	2013/04/16 09:55:17	0.027	0.192
097	2013/04/16 09:56:17	0.027	0.184
098	2013/04/16 09:57:17	0.028	0.185
099	2013/04/16 09:58:17	0.028	0.186
100	2013/04/16 09:59:17	0.028	0.186
101	2013/04/16 10:00:17	0.029	0.187
102	2013/04/16 10:01:17	0.029	0.189
103	2013/04/16 10:02:17	0.030	0.192
104	2013/04/16 10:03:17	0.030	0.192
105	2013/04/16 10:04:17	0.031	0.193
106	2013/04/16 10:05:17	0.031	0.193
107	2013/04/16 10:06:17	0.031	0.194
108	2013/04/16 10:07:17	0.032	0.195
109	2013/04/16 10:08:17	0.032	0.195
110	2013/04/16 10:09:17	0.033	0.196
111	2013/04/16 10:10:17	0.033	0.196
112	2013/04/16 10:11:17	0.033	0.197
113	2013/04/16 10:12:17	0.034	0.197
114	2013/04/16 10:13:17	0.034	0.198
115	2013/04/16 10:14:17	0.035	0.198
116	2013/04/16 10:15:17	0.035	0.199
117	2013/04/16 10:16:17	0.036	0.198
118	2013/04/16 10:17:17	0.036	0.197
119	2013/04/16 10:18:17	0.036	0.197
120	2013/04/16 10:19:17	0.037	0.197
121	2013/04/16 10:20:17	0.037	0.197
122	2013/04/16 10:21:17	0.038	0.197
123	2013/04/16 10:22:17	0.038	0.197
124	2013/04/16 10:23:17	0.038	0.196
125	2013/04/16 10:24:17	0.039	0.196
126	2013/04/16 10:25:17	0.039	0.196
127	2013/04/16 10:26:17	0.040	0.195
128	2013/04/16 10:27:17	0.040	0.200
129	2013/04/16 10:28:17	0.041	0.200
130	2013/04/16 10:29:17	0.041	0.199
131	2013/04/16 10:30:17	0.041	0.198
132	2013/04/16 10:31:17	0.042	0.198
133	2013/04/16 10:32:17	0.042	0.196
134	2013/04/16 10:33:17	0.042	0.195
135	2013/04/16 10:34:17	0.043	0.195
136	2013/04/16 10:35:17	0.043	0.194
137	2013/04/16 10:36:17	0.044	0.193
138	2013/04/16 10:37:17	0.044	0.192
139	2013/04/16 10:38:17	0.044	0.191
140	2013/04/16 10:39:17	0.045	0.190
141	2013/04/16 10:40:17	0.045	0.190
142	2013/04/16 10:41:17	0.045	0.189
143	2013/04/16 10:42:17	0.046	0.182
144	2013/04/16 10:43:17	0.046	0.181
145	2013/04/16 10:44:17	0.047	0.182
146	2013/04/16 10:45:17	0.047	0.182
147	2013/04/16 10:46:17	0.047	0.180
148	2013/04/16 10:47:17	0.048	0.180
149	2013/04/16 10:48:17	0.048	0.179
150	2013/04/16 10:49:17	0.048	0.178

151	2013/04/16 10:50:17	0.049	0.177
152	2013/04/16 10:51:17	0.049	0.177
153	2013/04/16 10:52:17	0.049	0.176
154	2013/04/16 10:53:17	0.050	0.175
155	2013/04/16 10:54:17	0.050	0.175
156	2013/04/16 10:55:17	0.051	0.174
157	2013/04/16 10:56:17	0.051	0.173
158	2013/04/16 10:57:17	0.051	0.173
159	2013/04/16 10:58:17	0.052	0.172
160	2013/04/16 10:59:17	0.052	0.170
161	2013/04/16 11:00:17	0.052	0.170
162	2013/04/16 11:01:17	0.053	0.169
163	2013/04/16 11:02:17	0.053	0.169
164	2013/04/16 11:03:17	0.053	0.169
165	2013/04/16 11:04:17	0.054	0.169
166	2013/04/16 11:05:17	0.054	0.169
167	2013/04/16 11:06:17	0.054	0.169
168	2013/04/16 11:07:17	0.055	0.169
169	2013/04/16 11:08:17	0.055	0.170
170	2013/04/16 11:09:17	0.055	0.169
171	2013/04/16 11:10:17	0.056	0.169
172	2013/04/16 11:11:17	0.056	0.169
173	2013/04/16 11:12:17	0.056	0.169
174	2013/04/16 11:13:17	0.057	0.169
175	2013/04/16 11:14:17	0.057	0.170
176	2013/04/16 11:15:17	0.058	0.168
177	2013/04/16 11:16:17	0.058	0.168
178	2013/04/16 11:17:17	0.058	0.167
179	2013/04/16 11:18:17	0.059	0.166
180	2013/04/16 11:19:17	0.059	0.166
181	2013/04/16 11:20:17	0.059	0.164
182	2013/04/16 11:21:17	0.059	0.163
183	2013/04/16 11:22:17	0.060	0.162
184	2013/04/16 11:23:17	0.060	0.161
185	2013/04/16 11:24:17	0.060	0.160
186	2013/04/16 11:25:17	0.061	0.159
187	2013/04/16 11:26:17	0.061	0.158
188	2013/04/16 11:27:17	0.061	0.158
189	2013/04/16 11:28:17	0.062	0.157
190	2013/04/16 11:29:17	0.062	0.156
191	2013/04/16 11:30:17	0.062	0.156
192	2013/04/16 11:31:17	0.063	0.156
193	2013/04/16 11:32:17	0.063	0.156
194	2013/04/16 11:33:17	0.063	0.155
195	2013/04/16 11:34:17	0.064	0.155
196	2013/04/16 11:35:17	0.064	0.156
197	2013/04/16 11:36:17	0.064	0.156
198	2013/04/16 11:37:17	0.065	0.157
199	2013/04/16 11:38:17	0.065	0.157
200	2013/04/16 11:39:17	0.065	0.157
201	2013/04/16 11:40:17	0.066	0.157
202	2013/04/16 11:41:17	0.066	0.158
203	2013/04/16 11:42:17	0.066	0.158
204	2013/04/16 11:43:17	0.067	0.158
205	2013/04/16 11:44:17	0.067	0.158
206	2013/04/16 11:45:17	0.067	0.158
207	2013/04/16 11:46:17	0.068	0.158
208	2013/04/16 11:47:17	0.068	0.158
209	2013/04/16 11:48:17	0.068	0.158
210	2013/04/16 11:49:17	0.069	0.158
211	2013/04/16 11:50:17	0.069	0.158
212	2013/04/16 11:51:17	0.069	0.157
213	2013/04/16 11:52:17	0.070	0.157

214	2013/04/16 11:53:17	0.070	0.157
215	2013/04/16 11:54:17	0.070	0.157
216	2013/04/16 11:55:17	0.071	0.157
217	2013/04/16 11:56:17	0.071	0.156
218	2013/04/16 11:57:17	0.071	0.156
219	2013/04/16 11:58:17	0.072	0.156
220	2013/04/16 11:59:17	0.072	0.156
221	2013/04/16 12:00:17	0.072	0.155
222	2013/04/16 12:01:17	0.072	0.154
223	2013/04/16 12:02:17	0.073	0.154
224	2013/04/16 12:03:17	0.073	0.153
225	2013/04/16 12:04:17	0.073	0.152
226	2013/04/16 12:05:17	0.074	0.151
227	2013/04/16 12:06:17	0.074	0.151
228	2013/04/16 12:07:17	0.074	0.150
229	2013/04/16 12:08:17	0.075	0.149
230	2013/04/16 12:09:17	0.075	0.148
231	2013/04/16 12:10:17	0.075	0.147
232	2013/04/16 12:11:17	0.075	0.146
233	2013/04/16 12:12:17	0.076	0.145
234	2013/04/16 12:13:17	0.076	0.145
235	2013/04/16 12:14:17	0.076	0.144
236	2013/04/16 12:15:17	0.077	0.144
237	2013/04/16 12:16:17	0.077	0.143
238	2013/04/16 12:17:17	0.077	0.143
239	2013/04/16 12:18:17	0.078	0.143
240	2013/04/16 12:19:17	0.078	0.143
241	2013/04/16 12:20:17	0.078	0.143
242	2013/04/16 12:21:17	0.078	0.142
243	2013/04/16 12:22:17	0.079	0.142
244	2013/04/16 12:23:17	0.079	0.142
245	2013/04/16 12:24:17	0.079	0.142
246	2013/04/16 12:25:17	0.080	0.142
247	2013/04/16 12:26:17	0.080	0.141
248	2013/04/16 12:27:17	0.080	0.141
249	2013/04/16 12:28:17	0.080	0.139
250	2013/04/16 12:29:17	0.081	0.138
251	2013/04/16 12:30:17	0.081	0.137
252	2013/04/16 12:31:17	0.081	0.136
253	2013/04/16 12:32:17	0.081	0.134
254	2013/04/16 12:33:17	0.082	0.132
255	2013/04/16 12:34:17	0.082	0.130
256	2013/04/16 12:35:17	0.082	0.128
257	2013/04/16 12:36:17	0.082	0.126
258	2013/04/16 12:37:17	0.083	0.124
259	2013/04/16 12:38:17	0.083	0.122
260	2013/04/16 12:39:17	0.083	0.120
261	2013/04/16 12:40:17	0.083	0.118
262	2013/04/16 12:41:17	0.083	0.116
263	2013/04/16 12:42:17	0.084	0.114
264	2013/04/16 12:43:17	0.084	0.112
265	2013/04/16 12:44:17	0.084	0.110
266	2013/04/16 12:45:17	0.084	0.108
267	2013/04/16 12:46:17	0.085	0.106
268	2013/04/16 12:47:17	0.085	0.105
269	2013/04/16 12:48:17	0.085	0.103
270	2013/04/16 12:49:17	0.085	0.102
271	2013/04/16 12:50:17	0.085	0.100
272	2013/04/16 12:51:17	0.086	0.100
273	2013/04/16 12:52:17	0.086	0.098
274	2013/04/16 12:53:17	0.086	0.097
275	2013/04/16 12:54:17	0.086	0.096
276	2013/04/16 12:55:17	0.086	0.095

277	2013/04/16 12:56:17	0.086	0.094
278	2013/04/16 12:57:17	0.087	0.093
279	2013/04/16 12:58:17	0.087	0.092
280	2013/04/16 12:59:17	0.087	0.091
281	2013/04/16 13:00:17	0.087	0.091
282	2013/04/16 13:01:17	0.087	0.090
283	2013/04/16 13:02:17	0.087	0.089
284	2013/04/16 13:03:17	0.088	0.088
285	2013/04/16 13:04:17	0.088	0.087
286	2013/04/16 13:05:17	0.088	0.086
287	2013/04/16 13:06:17	0.088	0.085
288	2013/04/16 13:07:17	0.088	0.085
289	2013/04/16 13:08:17	0.089	0.084
290	2013/04/16 13:09:17	0.089	0.084
291	2013/04/16 13:10:17	0.089	0.083
292	2013/04/16 13:11:17	0.089	0.083
293	2013/04/16 13:12:17	0.089	0.082
294	2013/04/16 13:13:17	0.089	0.082
295	2013/04/16 13:14:17	0.090	0.082
296	2013/04/16 13:15:17	0.090	0.081
297	2013/04/16 13:16:17	0.090	0.080
298	2013/04/16 13:17:17	0.090	0.080
299	2013/04/16 13:18:17	0.090	0.080
300	2013/04/16 13:19:17	0.090	0.080
301	2013/04/16 13:20:17	0.090	0.079
302	2013/04/16 13:21:17	0.091	0.078
303	2013/04/16 13:22:17	0.091	0.078
304	2013/04/16 13:23:17	0.091	0.078
305	2013/04/16 13:24:17	0.091	0.077
306	2013/04/16 13:25:17	0.091	0.077
307	2013/04/16 13:26:17	0.091	0.076
308	2013/04/16 13:27:17	0.092	0.076
309	2013/04/16 13:28:17	0.092	0.076
310	2013/04/16 13:29:17	0.092	0.076
311	2013/04/16 13:30:17	0.092	0.075
312	2013/04/16 13:31:17	0.092	0.075
313	2013/04/16 13:32:17	0.092	0.075
314	2013/04/16 13:33:17	0.093	0.075
315	2013/04/16 13:34:17	0.093	0.075
316	2013/04/16 13:35:17	0.093	0.075
317	2013/04/16 13:36:17	0.093	0.075
318	2013/04/16 13:37:17	0.093	0.076
319	2013/04/16 13:38:17	0.093	0.076
320	2013/04/16 13:39:17	0.093	0.076

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13/04/17 08:16

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909023
Unit Firmware Ver V1.10C

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/17 08:16:05
End 2013/04/17 16:52:24
Sample Period(s) 60
Number of Records 516

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/15 09:51
Peak 0.652
Min 0.023
Average 0.487

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2013/04/17 08:17:05		0.007	0.023	0.023
002	2013/04/17 08:18:05		0.044	0.061	0.061
003	2013/04/17 08:19:05		0.067	0.073	0.073
004	2013/04/17 08:20:05		0.080	0.087	0.087
005	2013/04/17 08:21:05		0.095	0.103	0.103
006	2013/04/17 08:22:05		0.111	0.119	0.119
007	2013/04/17 08:23:05		0.127	0.135	0.135
008	2013/04/17 08:24:05		0.144	0.156	0.156
009	2013/04/17 08:25:05		0.169	0.183	0.183
010	2013/04/17 08:26:05		0.195	0.207	0.207
011	2013/04/17 08:27:05		0.211	0.214	0.213
012	2013/04/17 08:28:05		0.214	0.215	0.214
013	2013/04/17 08:29:05		0.217	0.221	0.221
014	2013/04/17 08:30:05		0.223	0.226	0.226
015	2013/04/17 08:31:05		0.229	0.232	0.232
016	2013/04/17 08:32:05		0.233	0.235	0.235
017	2013/04/17 08:33:05		0.236	0.239	0.238
018	2013/04/17 08:34:05		0.239	0.240	0.240
019	2013/04/17 08:35:05		0.241	0.243	0.243
020	2013/04/17 08:36:05		0.244	0.245	0.244
021	2013/04/17 08:37:05		0.245	0.246	0.246
022	2013/04/17 08:38:05		0.247	0.249	0.248
023	2013/04/17 08:39:05		0.249	0.252	0.252
024	2013/04/17 08:40:05		0.251	0.253	0.253
025	2013/04/17 08:41:05		0.253	0.255	0.255
026	2013/04/17 08:42:05		0.256	0.258	0.258
027	2013/04/17 08:43:05		0.259	0.261	0.261
028	2013/04/17 08:44:05		0.263	0.266	0.266
029	2013/04/17 08:45:05		0.267	0.269	0.268
030	2013/04/17 08:46:05		0.269	0.271	0.271
031	2013/04/17 08:47:05		0.270	0.272	0.272
032	2013/04/17 08:48:05		0.273	0.275	0.275
033	2013/04/17 08:49:05		0.275	0.277	0.277
034	2013/04/17 08:50:05		0.279	0.281	0.281
035	2013/04/17 08:51:05		0.281	0.283	0.282
036	2013/04/17 08:52:05		0.282	0.285	0.284
037	2013/04/17 08:53:05		0.285	0.286	0.286
038	2013/04/17 08:54:05		0.286	0.288	0.287
039	2013/04/17 08:55:05		0.288	0.290	0.290
040	2013/04/17 08:56:05		0.290	0.291	0.291

041	2013/04/17	08:57:05	0.292	0.294	0.294
042	2013/04/17	08:58:05	0.295	0.296	0.296
043	2013/04/17	08:59:05	0.298	0.300	0.300
044	2013/04/17	09:00:05	0.301	0.302	0.302
045	2013/04/17	09:01:05	0.303	0.306	0.306
046	2013/04/17	09:02:05	0.306	0.308	0.307
047	2013/04/17	09:03:05	0.307	0.308	0.307
048	2013/04/17	09:04:05	0.308	0.310	0.310
049	2013/04/17	09:05:05	0.311	0.313	0.313
050	2013/04/17	09:06:05	0.314	0.317	0.317
051	2013/04/17	09:07:05	0.317	0.320	0.320
052	2013/04/17	09:08:05	0.320	0.323	0.323
053	2013/04/17	09:09:05	0.324	0.326	0.326
054	2013/04/17	09:10:05	0.327	0.330	0.329
055	2013/04/17	09:11:05	0.329	0.331	0.331
056	2013/04/17	09:12:05	0.332	0.334	0.334
057	2013/04/17	09:13:05	0.335	0.339	0.338
058	2013/04/17	09:14:05	0.339	0.343	0.343
059	2013/04/17	09:15:05	0.344	0.345	0.345
060	2013/04/17	09:16:05	0.347	0.350	0.350
061	2013/04/17	09:17:05	0.352	0.356	0.356
062	2013/04/17	09:18:05	0.356	0.358	0.358
063	2013/04/17	09:19:05	0.357	0.360	0.358
064	2013/04/17	09:20:05	0.359	0.361	0.360
065	2013/04/17	09:21:05	0.362	0.365	0.365
066	2013/04/17	09:22:05	0.366	0.369	0.368
067	2013/04/17	09:23:05	0.370	0.373	0.372
068	2013/04/17	09:24:05	0.373	0.375	0.374
069	2013/04/17	09:25:05	0.375	0.378	0.378
070	2013/04/17	09:26:05	0.379	0.382	0.381
071	2013/04/17	09:27:05	0.383	0.384	0.384
072	2013/04/17	09:28:05	0.386	0.388	0.388
073	2013/04/17	09:29:05	0.389	0.392	0.390
074	2013/04/17	09:30:05	0.393	0.395	0.395
075	2013/04/17	09:31:05	0.397	0.399	0.399
076	2013/04/17	09:32:05	0.401	0.404	0.404
077	2013/04/17	09:33:05	0.403	0.405	0.404
078	2013/04/17	09:34:05	0.404	0.407	0.407
079	2013/04/17	09:35:05	0.408	0.411	0.410
080	2013/04/17	09:36:05	0.411	0.413	0.413
081	2013/04/17	09:37:05	0.414	0.416	0.416
082	2013/04/17	09:38:05	0.419	0.422	0.422
083	2013/04/17	09:39:05	0.423	0.425	0.425
084	2013/04/17	09:40:05	0.426	0.428	0.427
085	2013/04/17	09:41:05	0.428	0.430	0.430
086	2013/04/17	09:42:05	0.430	0.432	0.431
087	2013/04/17	09:43:05	0.432	0.434	0.433
088	2013/04/17	09:44:05	0.434	0.436	0.435
089	2013/04/17	09:45:05	0.436	0.438	0.436
090	2013/04/17	09:46:05	0.437	0.440	0.437
091	2013/04/17	09:47:05	0.440	0.442	0.440
092	2013/04/17	09:48:05	0.441	0.444	0.444
093	2013/04/17	09:49:05	0.445	0.448	0.446
094	2013/04/17	09:50:05	0.446	0.448	0.447
095	2013/04/17	09:51:05	0.447	0.450	0.450
096	2013/04/17	09:52:05	0.449	0.451	0.451
097	2013/04/17	09:53:05	0.451	0.453	0.453
098	2013/04/17	09:54:05	0.453	0.456	0.456
099	2013/04/17	09:55:05	0.454	0.457	0.456
100	2013/04/17	09:56:05	0.456	0.458	0.458
101	2013/04/17	09:57:05	0.458	0.461	0.461
102	2013/04/17	09:58:05	0.461	0.462	0.462
103	2013/04/17	09:59:05	0.463	0.465	0.464

104	2013/04/17	10:00:05	0.463	0.465	0.465
105	2013/04/17	10:01:05	0.465	0.468	0.465
106	2013/04/17	10:02:05	0.466	0.468	0.467
107	2013/04/17	10:03:05	0.468	0.470	0.469
108	2013/04/17	10:04:05	0.471	0.474	0.474
109	2013/04/17	10:05:05	0.476	0.479	0.479
110	2013/04/17	10:06:05	0.479	0.481	0.480
111	2013/04/17	10:07:05	0.481	0.483	0.482
112	2013/04/17	10:08:05	0.484	0.486	0.486
113	2013/04/17	10:09:05	0.486	0.489	0.489
114	2013/04/17	10:10:05	0.488	0.490	0.490
115	2013/04/17	10:11:05	0.490	0.492	0.492
116	2013/04/17	10:12:05	0.493	0.495	0.494
117	2013/04/17	10:13:05	0.494	0.495	0.493
118	2013/04/17	10:14:05	0.494	0.496	0.496
119	2013/04/17	10:15:05	0.497	0.498	0.498
120	2013/04/17	10:16:05	0.499	0.501	0.501
121	2013/04/17	10:17:05	0.503	0.505	0.505
122	2013/04/17	10:18:05	0.505	0.508	0.508
123	2013/04/17	10:19:05	0.509	0.511	0.511
124	2013/04/17	10:20:05	0.511	0.515	0.514
125	2013/04/17	10:21:05	0.516	0.518	0.517
126	2013/04/17	10:22:05	0.519	0.522	0.521
127	2013/04/17	10:23:05	0.521	0.523	0.521
128	2013/04/17	10:24:05	0.523	0.526	0.525
129	2013/04/17	10:25:05	0.525	0.527	0.527
130	2013/04/17	10:26:05	0.529	0.531	0.530
131	2013/04/17	10:27:05	0.529	0.530	0.530
132	2013/04/17	10:28:05	0.531	0.532	0.532
133	2013/04/17	10:29:05	0.534	0.537	0.536
134	2013/04/17	10:30:05	0.538	0.541	0.541
135	2013/04/17	10:31:05	0.540	0.542	0.541
136	2013/04/17	10:32:05	0.543	0.546	0.546
137	2013/04/17	10:33:05	0.545	0.547	0.547
138	2013/04/17	10:34:05	0.542	0.547	0.539
139	2013/04/17	10:35:05	0.538	0.540	0.536
140	2013/04/17	10:36:05	0.538	0.540	0.540
141	2013/04/17	10:37:05	0.540	0.542	0.541
142	2013/04/17	10:38:05	0.542	0.545	0.544
143	2013/04/17	10:39:05	0.544	0.546	0.546
144	2013/04/17	10:40:05	0.547	0.550	0.549
145	2013/04/17	10:41:05	0.550	0.551	0.551
146	2013/04/17	10:42:05	0.551	0.552	0.551
147	2013/04/17	10:43:05	0.550	0.551	0.551
148	2013/04/17	10:44:05	0.552	0.555	0.553
149	2013/04/17	10:45:05	0.553	0.556	0.555
150	2013/04/17	10:46:05	0.554	0.555	0.555
151	2013/04/17	10:47:05	0.554	0.556	0.555
152	2013/04/17	10:48:05	0.554	0.555	0.555
153	2013/04/17	10:49:05	0.555	0.557	0.556
154	2013/04/17	10:50:05	0.556	0.558	0.557
155	2013/04/17	10:51:05	0.557	0.559	0.558
156	2013/04/17	10:52:05	0.560	0.562	0.561
157	2013/04/17	10:53:05	0.561	0.563	0.562
158	2013/04/17	10:54:05	0.561	0.563	0.562
159	2013/04/17	10:55:05	0.563	0.564	0.563
160	2013/04/17	10:56:05	0.563	0.565	0.564
161	2013/04/17	10:57:05	0.565	0.569	0.569
162	2013/04/17	10:58:05	0.566	0.568	0.563
163	2013/04/17	10:59:05	0.565	0.567	0.565
164	2013/04/17	11:00:05	0.566	0.568	0.565
165	2013/04/17	11:01:05	0.565	0.567	0.566
166	2013/04/17	11:02:05	0.568	0.572	0.571

167	2013/04/17 11:03:05	0.571	0.573	0.572
168	2013/04/17 11:04:05	0.573	0.575	0.575
169	2013/04/17 11:05:05	0.577	0.581	0.580
170	2013/04/17 11:06:05	0.581	0.584	0.584
171	2013/04/17 11:07:05	0.584	0.587	0.585
172	2013/04/17 11:08:05	0.585	0.588	0.586
173	2013/04/17 11:09:05	0.585	0.587	0.586
174	2013/04/17 11:10:05	0.588	0.590	0.590
175	2013/04/17 11:11:05	0.587	0.591	0.587
176	2013/04/17 11:12:05	0.587	0.589	0.586
177	2013/04/17 11:13:05	0.588	0.590	0.590
178	2013/04/17 11:14:05	0.591	0.593	0.592
179	2013/04/17 11:15:05	0.594	0.596	0.596
180	2013/04/17 11:16:05	0.597	0.599	0.597
181	2013/04/17 11:17:05	0.598	0.600	0.600
182	2013/04/17 11:18:05	0.601	0.604	0.602
183	2013/04/17 11:19:05	0.604	0.607	0.606
184	2013/04/17 11:20:05	0.607	0.611	0.609
185	2013/04/17 11:21:05	0.612	0.614	0.614
186	2013/04/17 11:22:05	0.616	0.618	0.618
187	2013/04/17 11:23:05	0.619	0.621	0.620
188	2013/04/17 11:24:05	0.620	0.621	0.620
189	2013/04/17 11:25:05	0.618	0.622	0.622
190	2013/04/17 11:26:05	0.621	0.624	0.622
191	2013/04/17 11:27:05	0.622	0.623	0.621
192	2013/04/17 11:28:05	0.621	0.624	0.623
193	2013/04/17 11:29:05	0.621	0.624	0.624
194	2013/04/17 11:30:05	0.624	0.626	0.625
195	2013/04/17 11:31:05	0.626	0.628	0.626
196	2013/04/17 11:32:05	0.627	0.629	0.627
197	2013/04/17 11:33:05	0.626	0.629	0.627
198	2013/04/17 11:34:05	0.628	0.630	0.630
199	2013/04/17 11:35:05	0.626	0.630	0.624
200	2013/04/17 11:36:05	0.625	0.627	0.627
201	2013/04/17 11:37:05	0.626	0.629	0.626
202	2013/04/17 11:38:05	0.627	0.629	0.626
203	2013/04/17 11:39:05	0.626	0.628	0.627
204	2013/04/17 11:40:05	0.629	0.631	0.631
205	2013/04/17 11:41:05	0.632	0.634	0.633
206	2013/04/17 11:42:05	0.634	0.636	0.635
207	2013/04/17 11:43:05	0.637	0.638	0.638
208	2013/04/17 11:44:05	0.638	0.640	0.638
209	2013/04/17 11:45:05	0.635	0.637	0.635
210	2013/04/17 11:46:05	0.634	0.636	0.635
211	2013/04/17 11:47:05	0.631	0.635	0.629
212	2013/04/17 11:48:05	0.630	0.634	0.630
213	2013/04/17 11:49:05	0.630	0.633	0.631
214	2013/04/17 11:50:05	0.631	0.634	0.632
215	2013/04/17 11:51:05	0.633	0.636	0.635
216	2013/04/17 11:52:05	0.636	0.640	0.640
217	2013/04/17 11:53:05	0.638	0.640	0.638
218	2013/04/17 11:54:05	0.641	0.644	0.642
219	2013/04/17 11:55:05	0.643	0.645	0.645
220	2013/04/17 11:56:05	0.643	0.645	0.643
221	2013/04/17 11:57:05	0.643	0.645	0.642
222	2013/04/17 11:58:05	0.644	0.647	0.642
223	2013/04/17 11:59:05	0.642	0.644	0.643
224	2013/04/17 12:00:05	0.642	0.644	0.644
225	2013/04/17 12:01:05	0.641	0.645	0.642
226	2013/04/17 12:02:05	0.643	0.645	0.644
227	2013/04/17 12:03:05	0.643	0.645	0.641
228	2013/04/17 12:04:05	0.642	0.644	0.643
229	2013/04/17 12:05:05	0.640	0.643	0.640

230	2013/04/17 12:06:05	0.637	0.640	0.637
231	2013/04/17 12:07:05	0.636	0.638	0.636
232	2013/04/17 12:08:05	0.635	0.637	0.635
233	2013/04/17 12:09:05	0.635	0.637	0.637
234	2013/04/17 12:10:05	0.635	0.639	0.639
235	2013/04/17 12:11:05	0.636	0.639	0.637
236	2013/04/17 12:12:05	0.637	0.639	0.639
237	2013/04/17 12:13:05	0.639	0.640	0.639
238	2013/04/17 12:14:05	0.640	0.643	0.642
239	2013/04/17 12:15:05	0.642	0.644	0.641
240	2013/04/17 12:16:05	0.644	0.647	0.646
241	2013/04/17 12:17:05	0.646	0.650	0.648
242	2013/04/17 12:18:05	0.647	0.650	0.648
243	2013/04/17 12:19:05	0.649	0.651	0.651
244	2013/04/17 12:20:05	0.651	0.653	0.652
245	2013/04/17 12:21:05	0.651	0.653	0.650
246	2013/04/17 12:22:05	0.648	0.651	0.647
247	2013/04/17 12:23:05	0.646	0.648	0.646
248	2013/04/17 12:24:05	0.644	0.646	0.644
249	2013/04/17 12:25:05	0.641	0.644	0.639
250	2013/04/17 12:26:05	0.633	0.639	0.632
251	2013/04/17 12:27:05	0.628	0.632	0.625
252	2013/04/17 12:28:05	0.621	0.625	0.617
253	2013/04/17 12:29:05	0.613	0.617	0.610
254	2013/04/17 12:30:05	0.607	0.610	0.605
255	2013/04/17 12:31:05	0.601	0.605	0.600
256	2013/04/17 12:32:05	0.596	0.600	0.594
257	2013/04/17 12:33:05	0.591	0.595	0.591
258	2013/04/17 12:34:05	0.589	0.591	0.589
259	2013/04/17 12:35:05	0.585	0.588	0.583
260	2013/04/17 12:36:05	0.580	0.583	0.578
261	2013/04/17 12:37:05	0.576	0.579	0.576
262	2013/04/17 12:38:05	0.573	0.576	0.572
263	2013/04/17 12:39:05	0.569	0.572	0.568
264	2013/04/17 12:40:05	0.568	0.569	0.567
265	2013/04/17 12:41:05	0.565	0.567	0.565
266	2013/04/17 12:42:05	0.561	0.565	0.561
267	2013/04/17 12:43:05	0.558	0.561	0.557
268	2013/04/17 12:44:05	0.557	0.560	0.556
269	2013/04/17 12:45:05	0.554	0.556	0.553
270	2013/04/17 12:46:05	0.553	0.554	0.553
271	2013/04/17 12:47:05	0.550	0.553	0.548
272	2013/04/17 12:48:05	0.544	0.548	0.542
273	2013/04/17 12:49:05	0.541	0.542	0.539
274	2013/04/17 12:50:05	0.538	0.540	0.538
275	2013/04/17 12:51:05	0.539	0.541	0.541
276	2013/04/17 12:52:05	0.541	0.542	0.540
277	2013/04/17 12:53:05	0.541	0.543	0.543
278	2013/04/17 12:54:05	0.545	0.547	0.546
279	2013/04/17 12:55:05	0.548	0.550	0.550
280	2013/04/17 12:56:05	0.551	0.554	0.553
281	2013/04/17 12:57:05	0.554	0.556	0.556
282	2013/04/17 12:58:05	0.557	0.559	0.559
283	2013/04/17 12:59:05	0.558	0.559	0.559
284	2013/04/17 13:00:05	0.559	0.560	0.560
285	2013/04/17 13:01:05	0.558	0.560	0.559
286	2013/04/17 13:02:05	0.557	0.559	0.555
287	2013/04/17 13:03:05	0.555	0.557	0.555
288	2013/04/17 13:04:05	0.554	0.555	0.554
289	2013/04/17 13:05:05	0.554	0.555	0.555
290	2013/04/17 13:06:05	0.556	0.558	0.558
291	2013/04/17 13:07:05	0.557	0.558	0.556
292	2013/04/17 13:08:05	0.555	0.556	0.555

293	2013/04/17	13:09:05	0.555	0.556	0.556
294	2013/04/17	13:10:05	0.556	0.557	0.556
295	2013/04/17	13:11:05	0.556	0.558	0.556
296	2013/04/17	13:12:05	0.553	0.556	0.551
297	2013/04/17	13:13:05	0.547	0.551	0.545
298	2013/04/17	13:14:05	0.542	0.546	0.540
299	2013/04/17	13:15:05	0.538	0.540	0.539
300	2013/04/17	13:16:05	0.537	0.539	0.536
301	2013/04/17	13:17:05	0.535	0.536	0.535
302	2013/04/17	13:18:05	0.533	0.534	0.533
303	2013/04/17	13:19:05	0.531	0.533	0.531
304	2013/04/17	13:20:05	0.530	0.531	0.530
305	2013/04/17	13:21:05	0.531	0.532	0.532
306	2013/04/17	13:22:05	0.533	0.537	0.537
307	2013/04/17	13:23:05	0.538	0.541	0.541
308	2013/04/17	13:24:05	0.544	0.548	0.547
309	2013/04/17	13:25:05	0.551	0.554	0.554
310	2013/04/17	13:26:05	0.556	0.558	0.557
311	2013/04/17	13:27:05	0.558	0.560	0.560
312	2013/04/17	13:28:05	0.559	0.560	0.560
313	2013/04/17	13:29:05	0.561	0.563	0.563
314	2013/04/17	13:30:05	0.563	0.564	0.563
315	2013/04/17	13:31:05	0.563	0.565	0.563
316	2013/04/17	13:32:05	0.562	0.564	0.561
317	2013/04/17	13:33:05	0.562	0.563	0.563
318	2013/04/17	13:34:05	0.563	0.565	0.565
319	2013/04/17	13:35:05	0.566	0.568	0.568
320	2013/04/17	13:36:05	0.569	0.571	0.570
321	2013/04/17	13:37:05	0.571	0.573	0.573
322	2013/04/17	13:38:05	0.573	0.574	0.572
323	2013/04/17	13:39:05	0.570	0.572	0.571
324	2013/04/17	13:40:05	0.569	0.571	0.569
325	2013/04/17	13:41:05	0.572	0.590	0.590
326	2013/04/17	13:42:05	0.611	0.622	0.605
327	2013/04/17	13:43:05	0.593	0.606	0.582
328	2013/04/17	13:44:05	0.573	0.582	0.561
329	2013/04/17	13:45:05	0.551	0.560	0.546
330	2013/04/17	13:46:05	0.540	0.545	0.535
331	2013/04/17	13:47:05	0.532	0.535	0.532
332	2013/04/17	13:48:05	0.533	0.538	0.538
333	2013/04/17	13:49:05	0.542	0.544	0.542
334	2013/04/17	13:50:05	0.532	0.542	0.523
335	2013/04/17	13:51:05	0.517	0.523	0.515
336	2013/04/17	13:52:05	0.511	0.517	0.504
337	2013/04/17	13:53:05	0.496	0.503	0.489
338	2013/04/17	13:54:05	0.485	0.490	0.481
339	2013/04/17	13:55:05	0.477	0.482	0.475
340	2013/04/17	13:56:05	0.472	0.476	0.467
341	2013/04/17	13:57:05	0.461	0.467	0.457
342	2013/04/17	13:58:05	0.450	0.456	0.445
343	2013/04/17	13:59:05	0.440	0.445	0.436
344	2013/04/17	14:00:05	0.431	0.436	0.426
345	2013/04/17	14:01:05	0.423	0.428	0.421
346	2013/04/17	14:02:05	0.415	0.420	0.414
347	2013/04/17	14:03:05	0.411	0.415	0.408
348	2013/04/17	14:04:05	0.405	0.409	0.402
349	2013/04/17	14:05:05	0.401	0.404	0.400
350	2013/04/17	14:06:05	0.396	0.401	0.395
351	2013/04/17	14:07:05	0.392	0.395	0.392
352	2013/04/17	14:08:05	0.388	0.392	0.387
353	2013/04/17	14:09:05	0.385	0.388	0.385
354	2013/04/17	14:10:05	0.383	0.385	0.384
355	2013/04/17	14:11:05	0.382	0.384	0.381

356	2013/04/17	14:12:05	0.380	0.382	0.379
357	2013/04/17	14:13:05	0.377	0.380	0.378
358	2013/04/17	14:14:05	0.377	0.380	0.376
359	2013/04/17	14:15:05	0.375	0.377	0.375
360	2013/04/17	14:16:05	0.373	0.374	0.372
361	2013/04/17	14:17:05	0.371	0.373	0.371
362	2013/04/17	14:18:05	0.368	0.372	0.367
363	2013/04/17	14:19:05	0.367	0.368	0.367
364	2013/04/17	14:20:05	0.368	0.370	0.367
365	2013/04/17	14:21:05	0.365	0.367	0.366
366	2013/04/17	14:22:05	0.363	0.365	0.364
367	2013/04/17	14:23:05	0.363	0.365	0.362
368	2013/04/17	14:24:05	0.362	0.363	0.363
369	2013/04/17	14:25:05	0.361	0.363	0.361
370	2013/04/17	14:26:05	0.359	0.361	0.358
371	2013/04/17	14:27:05	0.358	0.359	0.358
372	2013/04/17	14:28:05	0.358	0.359	0.359
373	2013/04/17	14:29:05	0.357	0.359	0.358
374	2013/04/17	14:30:05	0.356	0.358	0.357
375	2013/04/17	14:31:05	0.356	0.358	0.356
376	2013/04/17	14:32:05	0.356	0.358	0.356
377	2013/04/17	14:33:05	0.355	0.356	0.356
378	2013/04/17	14:34:05	0.354	0.356	0.354
379	2013/04/17	14:35:05	0.353	0.355	0.354
380	2013/04/17	14:36:05	0.353	0.355	0.354
381	2013/04/17	14:37:05	0.353	0.356	0.353
382	2013/04/17	14:38:05	0.352	0.355	0.351
383	2013/04/17	14:39:05	0.351	0.353	0.352
384	2013/04/17	14:40:05	0.352	0.353	0.351
385	2013/04/17	14:41:05	0.350	0.353	0.349
386	2013/04/17	14:42:05	0.349	0.351	0.351
387	2013/04/17	14:43:05	0.350	0.352	0.351
388	2013/04/17	14:44:05	0.350	0.351	0.351
389	2013/04/17	14:45:05	0.351	0.352	0.352
390	2013/04/17	14:46:05	0.351	0.352	0.351
391	2013/04/17	14:47:05	0.352	0.353	0.353
392	2013/04/17	14:48:05	0.354	0.356	0.355
393	2013/04/17	14:49:05	0.355	0.356	0.356
394	2013/04/17	14:50:05	0.357	0.359	0.358
395	2013/04/17	14:51:05	0.358	0.360	0.360
396	2013/04/17	14:52:05	0.361	0.365	0.365
397	2013/04/17	14:53:05	0.365	0.366	0.366
398	2013/04/17	14:54:05	0.366	0.368	0.368
399	2013/04/17	14:55:05	0.368	0.370	0.369
400	2013/04/17	14:56:05	0.370	0.372	0.372
401	2013/04/17	14:57:05	0.372	0.374	0.373
402	2013/04/17	14:58:05	0.373	0.375	0.375
403	2013/04/17	14:59:05	0.375	0.377	0.376
404	2013/04/17	15:00:05	0.376	0.377	0.376
405	2013/04/17	15:01:05	0.376	0.378	0.378
406	2013/04/17	15:02:05	0.377	0.379	0.377
407	2013/04/17	15:03:05	0.377	0.379	0.379
408	2013/04/17	15:04:05	0.380	0.382	0.382
409	2013/04/17	15:05:05	0.382	0.384	0.384
410	2013/04/17	15:06:05	0.384	0.387	0.386
411	2013/04/17	15:07:05	0.387	0.390	0.390
412	2013/04/17	15:08:05	0.391	0.395	0.395
413	2013/04/17	15:09:05	0.395	0.397	0.396
414	2013/04/17	15:10:05	0.398	0.401	0.401
415	2013/04/17	15:11:05	0.403	0.407	0.407
416	2013/04/17	15:12:05	0.409	0.414	0.414
417	2013/04/17	15:13:05	0.415	0.418	0.418
418	2013/04/17	15:14:05	0.420	0.422	0.422

419	2013/04/17	15:15:05	0.423	0.426	0.425
420	2013/04/17	15:16:05	0.427	0.430	0.429
421	2013/04/17	15:17:05	0.431	0.434	0.434
422	2013/04/17	15:18:05	0.434	0.436	0.435
423	2013/04/17	15:19:05	0.437	0.439	0.439
424	2013/04/17	15:20:05	0.440	0.442	0.442
425	2013/04/17	15:21:05	0.443	0.446	0.445
426	2013/04/17	15:22:05	0.447	0.450	0.450
427	2013/04/17	15:23:05	0.451	0.455	0.455
428	2013/04/17	15:24:05	0.456	0.458	0.458
429	2013/04/17	15:25:05	0.459	0.462	0.462
430	2013/04/17	15:26:05	0.464	0.467	0.467
431	2013/04/17	15:27:05	0.469	0.471	0.471
432	2013/04/17	15:28:05	0.472	0.475	0.475
433	2013/04/17	15:29:05	0.477	0.480	0.480
434	2013/04/17	15:30:05	0.482	0.485	0.484
435	2013/04/17	15:31:05	0.486	0.489	0.488
436	2013/04/17	15:32:05	0.490	0.494	0.492
437	2013/04/17	15:33:05	0.494	0.497	0.497
438	2013/04/17	15:34:05	0.498	0.502	0.501
439	2013/04/17	15:35:05	0.503	0.506	0.506
440	2013/04/17	15:36:05	0.506	0.509	0.509
441	2013/04/17	15:37:05	0.510	0.513	0.513
442	2013/04/17	15:38:05	0.513	0.516	0.516
443	2013/04/17	15:39:05	0.516	0.518	0.518
444	2013/04/17	15:40:05	0.519	0.521	0.520
445	2013/04/17	15:41:05	0.523	0.525	0.525
446	2013/04/17	15:42:05	0.527	0.530	0.530
447	2013/04/17	15:43:05	0.530	0.532	0.532
448	2013/04/17	15:44:05	0.533	0.535	0.535
449	2013/04/17	15:45:05	0.536	0.538	0.538
450	2013/04/17	15:46:05	0.539	0.542	0.541
451	2013/04/17	15:47:05	0.542	0.544	0.544
452	2013/04/17	15:48:05	0.545	0.546	0.546
453	2013/04/17	15:49:05	0.548	0.550	0.550
454	2013/04/17	15:50:05	0.550	0.552	0.552
455	2013/04/17	15:51:05	0.553	0.555	0.554
456	2013/04/17	15:52:05	0.554	0.556	0.554
457	2013/04/17	15:53:05	0.556	0.558	0.557
458	2013/04/17	15:54:05	0.557	0.559	0.559
459	2013/04/17	15:55:05	0.560	0.562	0.562
460	2013/04/17	15:56:05	0.562	0.563	0.563
461	2013/04/17	15:57:05	0.563	0.565	0.565
462	2013/04/17	15:58:05	0.565	0.567	0.566
463	2013/04/17	15:59:05	0.567	0.568	0.568
464	2013/04/17	16:00:05	0.569	0.571	0.571
465	2013/04/17	16:01:05	0.571	0.573	0.573
466	2013/04/17	16:02:05	0.573	0.575	0.575
467	2013/04/17	16:03:05	0.575	0.576	0.576
468	2013/04/17	16:04:05	0.577	0.578	0.578
469	2013/04/17	16:05:05	0.579	0.580	0.580
470	2013/04/17	16:06:05	0.581	0.583	0.583
471	2013/04/17	16:07:05	0.584	0.586	0.586
472	2013/04/17	16:08:05	0.586	0.587	0.587
473	2013/04/17	16:09:05	0.586	0.588	0.587
474	2013/04/17	16:10:05	0.586	0.588	0.587
475	2013/04/17	16:11:05	0.587	0.589	0.589
476	2013/04/17	16:12:05	0.589	0.590	0.589
477	2013/04/17	16:13:05	0.589	0.591	0.590
478	2013/04/17	16:14:05	0.590	0.591	0.591
479	2013/04/17	16:15:05	0.591	0.592	0.592
480	2013/04/17	16:16:05	0.592	0.594	0.593
481	2013/04/17	16:17:05	0.592	0.594	0.592

482	2013/04/17 16:18:05	0.592	0.594	0.593
483	2013/04/17 16:19:05	0.592	0.594	0.592
484	2013/04/17 16:20:05	0.591	0.592	0.590
485	2013/04/17 16:21:05	0.589	0.591	0.587
486	2013/04/17 16:22:05	0.584	0.587	0.583
487	2013/04/17 16:23:05	0.581	0.583	0.580
488	2013/04/17 16:24:05	0.578	0.579	0.578
489	2013/04/17 16:25:05	0.577	0.578	0.577
490	2013/04/17 16:26:05	0.575	0.577	0.575
491	2013/04/17 16:27:05	0.575	0.577	0.575
492	2013/04/17 16:28:05	0.574	0.576	0.574
493	2013/04/17 16:29:05	0.573	0.575	0.573
494	2013/04/17 16:30:05	0.573	0.575	0.575
495	2013/04/17 16:31:05	0.574	0.575	0.575
496	2013/04/17 16:32:05	0.574	0.575	0.574
497	2013/04/17 16:33:05	0.574	0.575	0.575
498	2013/04/17 16:34:05	0.576	0.578	0.578
499	2013/04/17 16:35:05	0.578	0.579	0.577
500	2013/04/17 16:36:05	0.577	0.578	0.577
501	2013/04/17 16:37:05	0.576	0.577	0.575
502	2013/04/17 16:38:05	0.574	0.576	0.574
503	2013/04/17 16:39:05	0.573	0.575	0.573
504	2013/04/17 16:40:05	0.572	0.573	0.569
505	2013/04/17 16:41:05	0.570	0.573	0.569
506	2013/04/17 16:42:05	0.566	0.569	0.566
507	2013/04/17 16:43:05	0.564	0.566	0.564
508	2013/04/17 16:44:05	0.563	0.564	0.563
509	2013/04/17 16:45:05	0.562	0.564	0.563
510	2013/04/17 16:46:05	0.561	0.563	0.559
511	2013/04/17 16:47:05	0.558	0.561	0.558
512	2013/04/17 16:48:05	0.554	0.557	0.554
513	2013/04/17 16:49:05	0.552	0.554	0.553
514	2013/04/17 16:50:05	0.550	0.553	0.549
515	2013/04/17 16:51:05	0.548	0.549	0.547
516	2013/04/17 16:52:05	0.545	0.547	0.544
Peak		0.651	0.653	0.652
Min		0.007	0.023	0.023
Average		0.486	0.489	0.487

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/17 08:17:05	0.000	---
002	2013/04/17 08:18:05	0.000	---
003	2013/04/17 08:19:05	0.000	---
004	2013/04/17 08:20:05	0.001	---
005	2013/04/17 08:21:05	0.001	---
006	2013/04/17 08:22:05	0.001	---
007	2013/04/17 08:23:05	0.001	---
008	2013/04/17 08:24:05	0.002	---
009	2013/04/17 08:25:05	0.002	---
010	2013/04/17 08:26:05	0.002	---
011	2013/04/17 08:27:05	0.003	---
012	2013/04/17 08:28:05	0.003	---
013	2013/04/17 08:29:05	0.004	---
014	2013/04/17 08:30:05	0.004	---
015	2013/04/17 08:31:05	0.005	0.150
016	2013/04/17 08:32:05	0.005	0.164
017	2013/04/17 08:33:05	0.006	0.176
018	2013/04/17 08:34:05	0.006	0.187
019	2013/04/17 08:35:05	0.007	0.198
020	2013/04/17 08:36:05	0.007	0.207

021	2013/04/17 08:37:05	0.008	0.216
022	2013/04/17 08:38:05	0.008	0.223
023	2013/04/17 08:39:05	0.009	0.229
024	2013/04/17 08:40:05	0.009	0.234
025	2013/04/17 08:41:05	0.010	0.237
026	2013/04/17 08:42:05	0.010	0.240
027	2013/04/17 08:43:05	0.011	0.243
028	2013/04/17 08:44:05	0.011	0.246
029	2013/04/17 08:45:05	0.012	0.249
030	2013/04/17 08:46:05	0.013	0.252
031	2013/04/17 08:47:05	0.013	0.254
032	2013/04/17 08:48:05	0.014	0.257
033	2013/04/17 08:49:05	0.014	0.259
034	2013/04/17 08:50:05	0.015	0.262
035	2013/04/17 08:51:05	0.015	0.264
036	2013/04/17 08:52:05	0.016	0.267
037	2013/04/17 08:53:05	0.017	0.269
038	2013/04/17 08:54:05	0.017	0.272
039	2013/04/17 08:55:05	0.018	0.274
040	2013/04/17 08:56:05	0.018	0.277
041	2013/04/17 08:57:05	0.019	0.279
042	2013/04/17 08:58:05	0.020	0.281
043	2013/04/17 08:59:05	0.020	0.284
044	2013/04/17 09:00:05	0.021	0.286
045	2013/04/17 09:01:05	0.022	0.288
046	2013/04/17 09:02:05	0.022	0.291
047	2013/04/17 09:03:05	0.023	0.293
048	2013/04/17 09:04:05	0.023	0.295
049	2013/04/17 09:05:05	0.024	0.297
050	2013/04/17 09:06:05	0.025	0.299
051	2013/04/17 09:07:05	0.025	0.302
052	2013/04/17 09:08:05	0.026	0.304
053	2013/04/17 09:09:05	0.027	0.307
054	2013/04/17 09:10:05	0.028	0.309
055	2013/04/17 09:11:05	0.028	0.312
056	2013/04/17 09:12:05	0.029	0.315
057	2013/04/17 09:13:05	0.030	0.318
058	2013/04/17 09:14:05	0.030	0.320
059	2013/04/17 09:15:05	0.031	0.323
060	2013/04/17 09:16:05	0.032	0.326
061	2013/04/17 09:17:05	0.033	0.329
062	2013/04/17 09:18:05	0.033	0.333
063	2013/04/17 09:19:05	0.034	0.336
064	2013/04/17 09:20:05	0.035	0.339
065	2013/04/17 09:21:05	0.036	0.342
066	2013/04/17 09:22:05	0.036	0.346
067	2013/04/17 09:23:05	0.037	0.349
068	2013/04/17 09:24:05	0.038	0.352
069	2013/04/17 09:25:05	0.039	0.355
070	2013/04/17 09:26:05	0.039	0.359
071	2013/04/17 09:27:05	0.040	0.362
072	2013/04/17 09:28:05	0.041	0.365
073	2013/04/17 09:29:05	0.042	0.368
074	2013/04/17 09:30:05	0.043	0.372
075	2013/04/17 09:31:05	0.043	0.375
076	2013/04/17 09:32:05	0.044	0.378
077	2013/04/17 09:33:05	0.045	0.381
078	2013/04/17 09:34:05	0.046	0.385
079	2013/04/17 09:35:05	0.047	0.388
080	2013/04/17 09:36:05	0.048	0.391
081	2013/04/17 09:37:05	0.049	0.394
082	2013/04/17 09:38:05	0.049	0.398
083	2013/04/17 09:39:05	0.050	0.401

084	2013/04/17 09:40:05	0.051	0.404
085	2013/04/17 09:41:05	0.052	0.408
086	2013/04/17 09:42:05	0.053	0.411
087	2013/04/17 09:43:05	0.054	0.414
088	2013/04/17 09:44:05	0.055	0.417
089	2013/04/17 09:45:05	0.056	0.419
090	2013/04/17 09:46:05	0.057	0.422
091	2013/04/17 09:47:05	0.058	0.424
092	2013/04/17 09:48:05	0.059	0.427
093	2013/04/17 09:49:05	0.059	0.430
094	2013/04/17 09:50:05	0.060	0.432
095	2013/04/17 09:51:05	0.061	0.435
096	2013/04/17 09:52:05	0.062	0.437
097	2013/04/17 09:53:05	0.063	0.439
098	2013/04/17 09:54:05	0.064	0.441
099	2013/04/17 09:55:05	0.065	0.443
100	2013/04/17 09:56:05	0.066	0.445
101	2013/04/17 09:57:05	0.067	0.447
102	2013/04/17 09:58:05	0.068	0.449
103	2013/04/17 09:59:05	0.069	0.451
104	2013/04/17 10:00:05	0.070	0.453
105	2013/04/17 10:01:05	0.071	0.455
106	2013/04/17 10:02:05	0.072	0.456
107	2013/04/17 10:03:05	0.073	0.458
108	2013/04/17 10:04:05	0.074	0.460
109	2013/04/17 10:05:05	0.075	0.462
110	2013/04/17 10:06:05	0.076	0.464
111	2013/04/17 10:07:05	0.077	0.466
112	2013/04/17 10:08:05	0.078	0.468
113	2013/04/17 10:09:05	0.079	0.470
114	2013/04/17 10:10:05	0.080	0.473
115	2013/04/17 10:11:05	0.081	0.475
116	2013/04/17 10:12:05	0.082	0.477
117	2013/04/17 10:13:05	0.083	0.479
118	2013/04/17 10:14:05	0.084	0.481
119	2013/04/17 10:15:05	0.085	0.484
120	2013/04/17 10:16:05	0.086	0.486
121	2013/04/17 10:17:05	0.087	0.489
122	2013/04/17 10:18:05	0.088	0.491
123	2013/04/17 10:19:05	0.089	0.494
124	2013/04/17 10:20:05	0.090	0.496
125	2013/04/17 10:21:05	0.091	0.498
126	2013/04/17 10:22:05	0.092	0.501
127	2013/04/17 10:23:05	0.094	0.503
128	2013/04/17 10:24:05	0.095	0.506
129	2013/04/17 10:25:05	0.096	0.508
130	2013/04/17 10:26:05	0.097	0.511
131	2013/04/17 10:27:05	0.098	0.513
132	2013/04/17 10:28:05	0.099	0.516
133	2013/04/17 10:29:05	0.100	0.518
134	2013/04/17 10:30:05	0.101	0.521
135	2013/04/17 10:31:05	0.102	0.524
136	2013/04/17 10:32:05	0.104	0.527
137	2013/04/17 10:33:05	0.105	0.529
138	2013/04/17 10:34:05	0.106	0.531
139	2013/04/17 10:35:05	0.107	0.533
140	2013/04/17 10:36:05	0.108	0.534
141	2013/04/17 10:37:05	0.109	0.535
142	2013/04/17 10:38:05	0.110	0.537
143	2013/04/17 10:39:05	0.111	0.538
144	2013/04/17 10:40:05	0.113	0.540
145	2013/04/17 10:41:05	0.114	0.541
146	2013/04/17 10:42:05	0.115	0.543

147	2013/04/17 10:43:05	0.116	0.544
148	2013/04/17 10:44:05	0.117	0.545
149	2013/04/17 10:45:05	0.118	0.546
150	2013/04/17 10:46:05	0.120	0.547
151	2013/04/17 10:47:05	0.121	0.548
152	2013/04/17 10:48:05	0.122	0.548
153	2013/04/17 10:49:05	0.123	0.549
154	2013/04/17 10:50:05	0.124	0.551
155	2013/04/17 10:51:05	0.125	0.552
156	2013/04/17 10:52:05	0.126	0.553
157	2013/04/17 10:53:05	0.128	0.554
158	2013/04/17 10:54:05	0.129	0.555
159	2013/04/17 10:55:05	0.130	0.556
160	2013/04/17 10:56:05	0.131	0.557
161	2013/04/17 10:57:05	0.132	0.558
162	2013/04/17 10:58:05	0.134	0.559
163	2013/04/17 10:59:05	0.135	0.560
164	2013/04/17 11:00:05	0.136	0.561
165	2013/04/17 11:01:05	0.137	0.561
166	2013/04/17 11:02:05	0.138	0.562
167	2013/04/17 11:03:05	0.139	0.564
168	2013/04/17 11:04:05	0.141	0.565
169	2013/04/17 11:05:05	0.142	0.566
170	2013/04/17 11:06:05	0.143	0.568
171	2013/04/17 11:07:05	0.144	0.570
172	2013/04/17 11:08:05	0.146	0.571
173	2013/04/17 11:09:05	0.147	0.573
174	2013/04/17 11:10:05	0.148	0.575
175	2013/04/17 11:11:05	0.149	0.576
176	2013/04/17 11:12:05	0.150	0.577
177	2013/04/17 11:13:05	0.152	0.579
178	2013/04/17 11:14:05	0.153	0.581
179	2013/04/17 11:15:05	0.154	0.583
180	2013/04/17 11:16:05	0.155	0.585
181	2013/04/17 11:17:05	0.157	0.587
182	2013/04/17 11:18:05	0.158	0.589
183	2013/04/17 11:19:05	0.159	0.591
184	2013/04/17 11:20:05	0.160	0.593
185	2013/04/17 11:21:05	0.162	0.595
186	2013/04/17 11:22:05	0.163	0.597
187	2013/04/17 11:23:05	0.164	0.600
188	2013/04/17 11:24:05	0.166	0.602
189	2013/04/17 11:25:05	0.167	0.604
190	2013/04/17 11:26:05	0.168	0.606
191	2013/04/17 11:27:05	0.169	0.609
192	2013/04/17 11:28:05	0.171	0.611
193	2013/04/17 11:29:05	0.172	0.613
194	2013/04/17 11:30:05	0.173	0.615
195	2013/04/17 11:31:05	0.175	0.617
196	2013/04/17 11:32:05	0.176	0.619
197	2013/04/17 11:33:05	0.177	0.620
198	2013/04/17 11:34:05	0.179	0.622
199	2013/04/17 11:35:05	0.180	0.623
200	2013/04/17 11:36:05	0.181	0.624
201	2013/04/17 11:37:05	0.182	0.624
202	2013/04/17 11:38:05	0.184	0.625
203	2013/04/17 11:39:05	0.185	0.625
204	2013/04/17 11:40:05	0.186	0.626
205	2013/04/17 11:41:05	0.188	0.626
206	2013/04/17 11:42:05	0.189	0.627
207	2013/04/17 11:43:05	0.190	0.628
208	2013/04/17 11:44:05	0.192	0.629
209	2013/04/17 11:45:05	0.193	0.630

210	2013/04/17 11:46:05	0.194	0.631
211	2013/04/17 11:47:05	0.196	0.631
212	2013/04/17 11:48:05	0.197	0.631
213	2013/04/17 11:49:05	0.198	0.631
214	2013/04/17 11:50:05	0.200	0.632
215	2013/04/17 11:51:05	0.201	0.632
216	2013/04/17 11:52:05	0.202	0.633
217	2013/04/17 11:53:05	0.204	0.634
218	2013/04/17 11:54:05	0.205	0.635
219	2013/04/17 11:55:05	0.206	0.636
220	2013/04/17 11:56:05	0.208	0.636
221	2013/04/17 11:57:05	0.209	0.637
222	2013/04/17 11:58:05	0.210	0.637
223	2013/04/17 11:59:05	0.212	0.637
224	2013/04/17 12:00:05	0.213	0.638
225	2013/04/17 12:01:05	0.214	0.639
226	2013/04/17 12:02:05	0.216	0.640
227	2013/04/17 12:03:05	0.217	0.640
228	2013/04/17 12:04:05	0.218	0.641
229	2013/04/17 12:05:05	0.220	0.642
230	2013/04/17 12:06:05	0.221	0.642
231	2013/04/17 12:07:05	0.222	0.641
232	2013/04/17 12:08:05	0.224	0.641
233	2013/04/17 12:09:05	0.225	0.641
234	2013/04/17 12:10:05	0.226	0.641
235	2013/04/17 12:11:05	0.228	0.640
236	2013/04/17 12:12:05	0.229	0.640
237	2013/04/17 12:13:05	0.230	0.640
238	2013/04/17 12:14:05	0.232	0.640
239	2013/04/17 12:15:05	0.233	0.639
240	2013/04/17 12:16:05	0.234	0.640
241	2013/04/17 12:17:05	0.236	0.640
242	2013/04/17 12:18:05	0.237	0.640
243	2013/04/17 12:19:05	0.238	0.641
244	2013/04/17 12:20:05	0.240	0.642
245	2013/04/17 12:21:05	0.241	0.643
246	2013/04/17 12:22:05	0.242	0.643
247	2013/04/17 12:23:05	0.244	0.644
248	2013/04/17 12:24:05	0.245	0.645
249	2013/04/17 12:25:05	0.246	0.645
250	2013/04/17 12:26:05	0.248	0.644
251	2013/04/17 12:27:05	0.249	0.643
252	2013/04/17 12:28:05	0.250	0.642
253	2013/04/17 12:29:05	0.252	0.640
254	2013/04/17 12:30:05	0.253	0.637
255	2013/04/17 12:31:05	0.254	0.634
256	2013/04/17 12:32:05	0.255	0.631
257	2013/04/17 12:33:05	0.257	0.627
258	2013/04/17 12:34:05	0.258	0.623
259	2013/04/17 12:35:05	0.259	0.618
260	2013/04/17 12:36:05	0.260	0.613
261	2013/04/17 12:37:05	0.261	0.609
262	2013/04/17 12:38:05	0.263	0.604
263	2013/04/17 12:39:05	0.264	0.599
264	2013/04/17 12:40:05	0.265	0.594
265	2013/04/17 12:41:05	0.266	0.589
266	2013/04/17 12:42:05	0.267	0.585
267	2013/04/17 12:43:05	0.268	0.581
268	2013/04/17 12:44:05	0.270	0.577
269	2013/04/17 12:45:05	0.271	0.574
270	2013/04/17 12:46:05	0.272	0.571
271	2013/04/17 12:47:05	0.273	0.568
272	2013/04/17 12:48:05	0.274	0.565

273	2013/04/17 12:49:05	0.275	0.561
274	2013/04/17 12:50:05	0.276	0.558
275	2013/04/17 12:51:05	0.278	0.556
276	2013/04/17 12:52:05	0.279	0.553
277	2013/04/17 12:53:05	0.280	0.551
278	2013/04/17 12:54:05	0.281	0.550
279	2013/04/17 12:55:05	0.282	0.549
280	2013/04/17 12:56:05	0.283	0.548
281	2013/04/17 12:57:05	0.284	0.548
282	2013/04/17 12:58:05	0.286	0.548
283	2013/04/17 12:59:05	0.287	0.548
284	2013/04/17 13:00:05	0.288	0.548
285	2013/04/17 13:01:05	0.289	0.549
286	2013/04/17 13:02:05	0.290	0.549
287	2013/04/17 13:03:05	0.291	0.550
288	2013/04/17 13:04:05	0.293	0.551
289	2013/04/17 13:05:05	0.294	0.552
290	2013/04/17 13:06:05	0.295	0.553
291	2013/04/17 13:07:05	0.296	0.555
292	2013/04/17 13:08:05	0.297	0.555
293	2013/04/17 13:09:05	0.298	0.556
294	2013/04/17 13:10:05	0.300	0.556
295	2013/04/17 13:11:05	0.301	0.557
296	2013/04/17 13:12:05	0.302	0.556
297	2013/04/17 13:13:05	0.303	0.555
298	2013/04/17 13:14:05	0.304	0.554
299	2013/04/17 13:15:05	0.305	0.553
300	2013/04/17 13:16:05	0.306	0.551
301	2013/04/17 13:17:05	0.307	0.550
302	2013/04/17 13:18:05	0.309	0.548
303	2013/04/17 13:19:05	0.310	0.547
304	2013/04/17 13:20:05	0.311	0.545
305	2013/04/17 13:21:05	0.312	0.543
306	2013/04/17 13:22:05	0.313	0.542
307	2013/04/17 13:23:05	0.314	0.541
308	2013/04/17 13:24:05	0.315	0.541
309	2013/04/17 13:25:05	0.316	0.540
310	2013/04/17 13:26:05	0.318	0.541
311	2013/04/17 13:27:05	0.319	0.541
312	2013/04/17 13:28:05	0.320	0.542
313	2013/04/17 13:29:05	0.321	0.544
314	2013/04/17 13:30:05	0.322	0.545
315	2013/04/17 13:31:05	0.323	0.547
316	2013/04/17 13:32:05	0.325	0.549
317	2013/04/17 13:33:05	0.326	0.551
318	2013/04/17 13:34:05	0.327	0.553
319	2013/04/17 13:35:05	0.328	0.556
320	2013/04/17 13:36:05	0.329	0.558
321	2013/04/17 13:37:05	0.331	0.561
322	2013/04/17 13:38:05	0.332	0.563
323	2013/04/17 13:39:05	0.333	0.564
324	2013/04/17 13:40:05	0.334	0.565
325	2013/04/17 13:41:05	0.335	0.567
326	2013/04/17 13:42:05	0.337	0.570
327	2013/04/17 13:43:05	0.338	0.572
328	2013/04/17 13:44:05	0.339	0.572
329	2013/04/17 13:45:05	0.340	0.571
330	2013/04/17 13:46:05	0.341	0.569
331	2013/04/17 13:47:05	0.342	0.567
332	2013/04/17 13:48:05	0.343	0.565
333	2013/04/17 13:49:05	0.345	0.564
334	2013/04/17 13:50:05	0.346	0.561
335	2013/04/17 13:51:05	0.347	0.557

336	2013/04/17 13:52:05	0.348	0.552
337	2013/04/17 13:53:05	0.349	0.547
338	2013/04/17 13:54:05	0.350	0.541
339	2013/04/17 13:55:05	0.351	0.535
340	2013/04/17 13:56:05	0.352	0.526
341	2013/04/17 13:57:05	0.353	0.516
342	2013/04/17 13:58:05	0.354	0.507
343	2013/04/17 13:59:05	0.355	0.499
344	2013/04/17 14:00:05	0.355	0.491
345	2013/04/17 14:01:05	0.356	0.483
346	2013/04/17 14:02:05	0.357	0.476
347	2013/04/17 14:03:05	0.358	0.467
348	2013/04/17 14:04:05	0.359	0.458
349	2013/04/17 14:05:05	0.360	0.449
350	2013/04/17 14:06:05	0.361	0.441
351	2013/04/17 14:07:05	0.361	0.434
352	2013/04/17 14:08:05	0.362	0.427
353	2013/04/17 14:09:05	0.363	0.421
354	2013/04/17 14:10:05	0.364	0.415
355	2013/04/17 14:11:05	0.365	0.409
356	2013/04/17 14:12:05	0.365	0.404
357	2013/04/17 14:13:05	0.366	0.399
358	2013/04/17 14:14:05	0.367	0.395
359	2013/04/17 14:15:05	0.368	0.392
360	2013/04/17 14:16:05	0.368	0.389
361	2013/04/17 14:17:05	0.369	0.386
362	2013/04/17 14:18:05	0.370	0.383
363	2013/04/17 14:19:05	0.371	0.381
364	2013/04/17 14:20:05	0.372	0.378
365	2013/04/17 14:21:05	0.372	0.376
366	2013/04/17 14:22:05	0.373	0.375
367	2013/04/17 14:23:05	0.374	0.373
368	2013/04/17 14:24:05	0.375	0.371
369	2013/04/17 14:25:05	0.375	0.370
370	2013/04/17 14:26:05	0.376	0.368
371	2013/04/17 14:27:05	0.377	0.367
372	2013/04/17 14:28:05	0.378	0.366
373	2013/04/17 14:29:05	0.378	0.365
374	2013/04/17 14:30:05	0.379	0.363
375	2013/04/17 14:31:05	0.380	0.362
376	2013/04/17 14:32:05	0.381	0.361
377	2013/04/17 14:33:05	0.381	0.361
378	2013/04/17 14:34:05	0.382	0.360
379	2013/04/17 14:35:05	0.383	0.359
380	2013/04/17 14:36:05	0.383	0.358
381	2013/04/17 14:37:05	0.384	0.357
382	2013/04/17 14:38:05	0.385	0.357
383	2013/04/17 14:39:05	0.386	0.356
384	2013/04/17 14:40:05	0.386	0.355
385	2013/04/17 14:41:05	0.387	0.355
386	2013/04/17 14:42:05	0.388	0.354
387	2013/04/17 14:43:05	0.389	0.354
388	2013/04/17 14:44:05	0.389	0.353
389	2013/04/17 14:45:05	0.390	0.353
390	2013/04/17 14:46:05	0.391	0.352
391	2013/04/17 14:47:05	0.392	0.352
392	2013/04/17 14:48:05	0.392	0.352
393	2013/04/17 14:49:05	0.393	0.352
394	2013/04/17 14:50:05	0.394	0.353
395	2013/04/17 14:51:05	0.394	0.353
396	2013/04/17 14:52:05	0.395	0.354
397	2013/04/17 14:53:05	0.396	0.355
398	2013/04/17 14:54:05	0.397	0.356

399	2013/04/17 14:55:05	0.398	0.357
400	2013/04/17 14:56:05	0.398	0.359
401	2013/04/17 14:57:05	0.399	0.360
402	2013/04/17 14:58:05	0.400	0.362
403	2013/04/17 14:59:05	0.401	0.363
404	2013/04/17 15:00:05	0.401	0.365
405	2013/04/17 15:01:05	0.402	0.367
406	2013/04/17 15:02:05	0.403	0.368
407	2013/04/17 15:03:05	0.404	0.370
408	2013/04/17 15:04:05	0.405	0.372
409	2013/04/17 15:05:05	0.405	0.373
410	2013/04/17 15:06:05	0.406	0.375
411	2013/04/17 15:07:05	0.407	0.377
412	2013/04/17 15:08:05	0.408	0.379
413	2013/04/17 15:09:05	0.409	0.381
414	2013/04/17 15:10:05	0.410	0.383
415	2013/04/17 15:11:05	0.410	0.385
416	2013/04/17 15:12:05	0.411	0.388
417	2013/04/17 15:13:05	0.412	0.391
418	2013/04/17 15:14:05	0.413	0.394
419	2013/04/17 15:15:05	0.414	0.397
420	2013/04/17 15:16:05	0.415	0.400
421	2013/04/17 15:17:05	0.416	0.404
422	2013/04/17 15:18:05	0.417	0.408
423	2013/04/17 15:19:05	0.417	0.412
424	2013/04/17 15:20:05	0.418	0.416
425	2013/04/17 15:21:05	0.419	0.419
426	2013/04/17 15:22:05	0.420	0.423
427	2013/04/17 15:23:05	0.421	0.427
428	2013/04/17 15:24:05	0.422	0.432
429	2013/04/17 15:25:05	0.423	0.436
430	2013/04/17 15:26:05	0.424	0.440
431	2013/04/17 15:27:05	0.425	0.443
432	2013/04/17 15:28:05	0.426	0.447
433	2013/04/17 15:29:05	0.427	0.451
434	2013/04/17 15:30:05	0.428	0.455
435	2013/04/17 15:31:05	0.429	0.459
436	2013/04/17 15:32:05	0.430	0.463
437	2013/04/17 15:33:05	0.431	0.467
438	2013/04/17 15:34:05	0.432	0.471
439	2013/04/17 15:35:05	0.433	0.475
440	2013/04/17 15:36:05	0.434	0.480
441	2013/04/17 15:37:05	0.435	0.484
442	2013/04/17 15:38:05	0.436	0.488
443	2013/04/17 15:39:05	0.438	0.492
444	2013/04/17 15:40:05	0.439	0.496
445	2013/04/17 15:41:05	0.440	0.500
446	2013/04/17 15:42:05	0.441	0.504
447	2013/04/17 15:43:05	0.442	0.507
448	2013/04/17 15:44:05	0.443	0.511
449	2013/04/17 15:45:05	0.444	0.515
450	2013/04/17 15:46:05	0.445	0.518
451	2013/04/17 15:47:05	0.446	0.522
452	2013/04/17 15:48:05	0.448	0.525
453	2013/04/17 15:49:05	0.449	0.528
454	2013/04/17 15:50:05	0.450	0.531
455	2013/04/17 15:51:05	0.451	0.534
456	2013/04/17 15:52:05	0.452	0.537
457	2013/04/17 15:53:05	0.453	0.540
458	2013/04/17 15:54:05	0.454	0.542
459	2013/04/17 15:55:05	0.456	0.545
460	2013/04/17 15:56:05	0.457	0.548
461	2013/04/17 15:57:05	0.458	0.550

462	2013/04/17 15:58:05	0.459	0.552
463	2013/04/17 15:59:05	0.460	0.555
464	2013/04/17 16:00:05	0.462	0.557
465	2013/04/17 16:01:05	0.463	0.559
466	2013/04/17 16:02:05	0.464	0.561
467	2013/04/17 16:03:05	0.465	0.563
468	2013/04/17 16:04:05	0.466	0.565
469	2013/04/17 16:05:05	0.468	0.567
470	2013/04/17 16:06:05	0.469	0.569
471	2013/04/17 16:07:05	0.470	0.571
472	2013/04/17 16:08:05	0.471	0.573
473	2013/04/17 16:09:05	0.472	0.575
474	2013/04/17 16:10:05	0.474	0.576
475	2013/04/17 16:11:05	0.475	0.578
476	2013/04/17 16:12:05	0.476	0.580
477	2013/04/17 16:13:05	0.477	0.581
478	2013/04/17 16:14:05	0.479	0.583
479	2013/04/17 16:15:05	0.480	0.584
480	2013/04/17 16:16:05	0.481	0.586
481	2013/04/17 16:17:05	0.482	0.587
482	2013/04/17 16:18:05	0.484	0.588
483	2013/04/17 16:19:05	0.485	0.589
484	2013/04/17 16:20:05	0.486	0.589
485	2013/04/17 16:21:05	0.487	0.590
486	2013/04/17 16:22:05	0.488	0.589
487	2013/04/17 16:23:05	0.490	0.589
488	2013/04/17 16:24:05	0.491	0.588
489	2013/04/17 16:25:05	0.492	0.588
490	2013/04/17 16:26:05	0.493	0.587
491	2013/04/17 16:27:05	0.494	0.586
492	2013/04/17 16:28:05	0.496	0.585
493	2013/04/17 16:29:05	0.497	0.584
494	2013/04/17 16:30:05	0.498	0.582
495	2013/04/17 16:31:05	0.499	0.581
496	2013/04/17 16:32:05	0.500	0.580
497	2013/04/17 16:33:05	0.502	0.579
498	2013/04/17 16:34:05	0.503	0.578
499	2013/04/17 16:35:05	0.504	0.577
500	2013/04/17 16:36:05	0.505	0.576
501	2013/04/17 16:37:05	0.506	0.576
502	2013/04/17 16:38:05	0.508	0.575
503	2013/04/17 16:39:05	0.509	0.575
504	2013/04/17 16:40:05	0.510	0.575
505	2013/04/17 16:41:05	0.511	0.574
506	2013/04/17 16:42:05	0.512	0.574
507	2013/04/17 16:43:05	0.514	0.573
508	2013/04/17 16:44:05	0.515	0.572
509	2013/04/17 16:45:05	0.516	0.571
510	2013/04/17 16:46:05	0.517	0.570
511	2013/04/17 16:47:05	0.518	0.569
512	2013/04/17 16:48:05	0.519	0.568
513	2013/04/17 16:49:05	0.521	0.566
514	2013/04/17 16:50:05	0.522	0.564
515	2013/04/17 16:51:05	0.523	0.562
516	2013/04/17 16:52:05	0.524	0.560

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13/04/18 08:15

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Summary

Unit Name MiniRAE 3000

Unit SN 592-909023

Unit Firmware Ver V1.10C

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-------------------------------------------------------------
Running Mode    Hygiene Mode
Measure Type    Avg; Max; Real
Datalog Mode    Continuous
Datalog Type    Manual
Diagnostic Mode No
Stop Reason     Power Down
-------------------------------------------------------------
Site ID 12345678
User ID 12345678
-------------------------------------------------------------
Begin   2013/04/18 08:15:38
End     2013/04/18 17:49:06
Sample Period(s)        60
Number of Records       573
-------------------------------------------------------------
Sensor  VOC(ppm)
Span    100.000
Span 2  N/A
Low Alarm       50.000
High Alarm      100.000
Over Alarm      15000.000
STEL Alarm      25.000
TWA Alarm       10.000
Measurement Gas Isobutylene
Calibration Time        2013/04/15 09:51
Peak    0.368
Min     0.013
Average 0.274

*************************************************************
Datalog
                VOC(ppm)        VOC(ppm)        VOC(ppm)
Index   Date/Time       (Avg)   (Max)   (Real)
001     2013/04/18 08:16:38     0.016   0.022   0.016
002     2013/04/18 08:17:38     0.014   0.016   0.014
003     2013/04/18 08:18:38     0.014   0.015   0.013
004     2013/04/18 08:19:38     0.015   0.018   0.018
005     2013/04/18 08:20:38     0.019   0.021   0.021
006     2013/04/18 08:21:38     0.022   0.025   0.025
007     2013/04/18 08:22:38     0.026   0.029   0.028
008     2013/04/18 08:23:38     0.030   0.034   0.033
009     2013/04/18 08:24:38     0.035   0.038   0.037
010     2013/04/18 08:25:38     0.039   0.043   0.041
011     2013/04/18 08:26:38     0.044   0.048   0.048
012     2013/04/18 08:27:38     0.050   0.054   0.054
013     2013/04/18 08:28:38     0.057   0.060   0.060
014     2013/04/18 08:29:38     0.063   0.066   0.066
015     2013/04/18 08:30:38     0.068   0.072   0.072
016     2013/04/18 08:31:38     0.075   0.078   0.078
017     2013/04/18 08:32:38     0.081   0.083   0.083
018     2013/04/18 08:33:38     0.087   0.092   0.092
019     2013/04/18 08:34:38     0.093   0.096   0.095
020     2013/04/18 08:35:38     0.097   0.100   0.100
021     2013/04/18 08:36:38     0.102   0.105   0.105
022     2013/04/18 08:37:38     0.108   0.112   0.112
023     2013/04/18 08:38:38     0.113   0.118   0.116
024     2013/04/18 08:39:38     0.118   0.121   0.121
025     2013/04/18 08:40:38     0.122   0.125   0.125
026     2013/04/18 08:41:38     0.127   0.130   0.129
027     2013/04/18 08:42:38     0.131   0.134   0.134
028     2013/04/18 08:43:38     0.136   0.138   0.138
029     2013/04/18 08:44:38     0.140   0.142   0.142
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030	2013/04/18	08:45:38	0.143	0.146	0.146
031	2013/04/18	08:46:38	0.147	0.150	0.149
032	2013/04/18	08:47:38	0.150	0.153	0.153
033	2013/04/18	08:48:38	0.154	0.156	0.155
034	2013/04/18	08:49:38	0.156	0.159	0.159
035	2013/04/18	08:50:38	0.161	0.165	0.165
036	2013/04/18	08:51:38	0.164	0.166	0.166
037	2013/04/18	08:52:38	0.168	0.171	0.170
038	2013/04/18	08:53:38	0.170	0.173	0.172
039	2013/04/18	08:54:38	0.174	0.176	0.174
040	2013/04/18	08:55:38	0.176	0.180	0.180
041	2013/04/18	08:56:38	0.180	0.182	0.182
042	2013/04/18	08:57:38	0.183	0.185	0.184
043	2013/04/18	08:58:38	0.184	0.186	0.185
044	2013/04/18	08:59:38	0.186	0.189	0.189
045	2013/04/18	09:00:38	0.190	0.194	0.191
046	2013/04/18	09:01:38	0.192	0.194	0.194
047	2013/04/18	09:02:38	0.194	0.196	0.196
048	2013/04/18	09:03:38	0.198	0.200	0.200
049	2013/04/18	09:04:38	0.201	0.203	0.202
050	2013/04/18	09:05:38	0.202	0.203	0.203
051	2013/04/18	09:06:38	0.204	0.205	0.205
052	2013/04/18	09:07:38	0.205	0.208	0.207
053	2013/04/18	09:08:38	0.207	0.209	0.207
054	2013/04/18	09:09:38	0.209	0.210	0.210
055	2013/04/18	09:10:38	0.210	0.212	0.210
056	2013/04/18	09:11:38	0.211	0.213	0.210
057	2013/04/18	09:12:38	0.212	0.213	0.213
058	2013/04/18	09:13:38	0.211	0.213	0.211
059	2013/04/18	09:14:38	0.213	0.215	0.214
060	2013/04/18	09:15:38	0.214	0.217	0.214
061	2013/04/18	09:16:38	0.218	0.327	0.327
062	2013/04/18	09:17:38	0.241	0.395	0.216
063	2013/04/18	09:18:38	0.216	0.218	0.217
064	2013/04/18	09:19:38	0.218	0.222	0.218
065	2013/04/18	09:20:38	0.219	0.222	0.220
066	2013/04/18	09:21:38	0.222	0.225	0.221
067	2013/04/18	09:22:38	0.221	0.223	0.222
068	2013/04/18	09:23:38	0.221	0.223	0.222
069	2013/04/18	09:24:38	0.223	0.225	0.223
070	2013/04/18	09:25:38	0.223	0.229	0.224
071	2013/04/18	09:26:38	0.223	0.225	0.225
072	2013/04/18	09:27:38	0.224	0.226	0.225
073	2013/04/18	09:28:38	0.227	0.241	0.223
074	2013/04/18	09:29:38	0.224	0.225	0.225
075	2013/04/18	09:30:38	0.225	0.229	0.226
076	2013/04/18	09:31:38	0.225	0.228	0.226
077	2013/04/18	09:32:38	0.225	0.228	0.225
078	2013/04/18	09:33:38	0.226	0.227	0.225
079	2013/04/18	09:34:38	0.225	0.227	0.227
080	2013/04/18	09:35:38	0.226	0.228	0.227
081	2013/04/18	09:36:38	0.226	0.228	0.226
082	2013/04/18	09:37:38	0.226	0.228	0.227
083	2013/04/18	09:38:38	0.226	0.227	0.225
084	2013/04/18	09:39:38	0.225	0.227	0.227
085	2013/04/18	09:40:38	0.227	0.231	0.227
086	2013/04/18	09:41:38	0.227	0.229	0.228
087	2013/04/18	09:42:38	0.227	0.229	0.229
088	2013/04/18	09:43:38	0.228	0.230	0.230
089	2013/04/18	09:44:38	0.231	0.250	0.230
090	2013/04/18	09:45:38	0.229	0.231	0.229
091	2013/04/18	09:46:38	0.230	0.234	0.233
092	2013/04/18	09:47:38	0.231	0.233	0.233

093	2013/04/18	09:48:38	0.232	0.234	0.233
094	2013/04/18	09:49:38	0.234	0.236	0.236
095	2013/04/18	09:50:38	0.236	0.237	0.237
096	2013/04/18	09:51:38	0.236	0.237	0.237
097	2013/04/18	09:52:38	0.237	0.238	0.238
098	2013/04/18	09:53:38	0.239	0.242	0.242
099	2013/04/18	09:54:38	0.240	0.242	0.241
100	2013/04/18	09:55:38	0.242	0.243	0.242
101	2013/04/18	09:56:38	0.242	0.244	0.242
102	2013/04/18	09:57:38	0.243	0.245	0.244
103	2013/04/18	09:58:38	0.244	0.246	0.244
104	2013/04/18	09:59:38	0.244	0.246	0.244
105	2013/04/18	10:00:38	0.245	0.249	0.245
106	2013/04/18	10:01:38	0.246	0.247	0.247
107	2013/04/18	10:02:38	0.247	0.249	0.249
108	2013/04/18	10:03:38	0.247	0.249	0.247
109	2013/04/18	10:04:38	0.247	0.248	0.247
110	2013/04/18	10:05:38	0.248	0.250	0.249
111	2013/04/18	10:06:38	0.248	0.250	0.247
112	2013/04/18	10:07:38	0.248	0.252	0.250
113	2013/04/18	10:08:38	0.247	0.250	0.248
114	2013/04/18	10:09:38	0.248	0.250	0.250
115	2013/04/18	10:10:38	0.248	0.250	0.250
116	2013/04/18	10:11:38	0.249	0.251	0.248
117	2013/04/18	10:12:38	0.248	0.251	0.249
118	2013/04/18	10:13:38	0.247	0.249	0.248
119	2013/04/18	10:14:38	0.249	0.251	0.250
120	2013/04/18	10:15:38	0.250	0.256	0.249
121	2013/04/18	10:16:38	0.249	0.251	0.247
122	2013/04/18	10:17:38	0.249	0.251	0.248
123	2013/04/18	10:18:38	0.250	0.254	0.254
124	2013/04/18	10:19:38	0.251	0.254	0.250
125	2013/04/18	10:20:38	0.248	0.251	0.246
126	2013/04/18	10:21:38	0.247	0.250	0.248
127	2013/04/18	10:22:38	0.248	0.250	0.248
128	2013/04/18	10:23:38	0.248	0.251	0.250
129	2013/04/18	10:24:38	0.249	0.251	0.251
130	2013/04/18	10:25:38	0.250	0.252	0.251
131	2013/04/18	10:26:38	0.249	0.251	0.248
132	2013/04/18	10:27:38	0.249	0.252	0.252
133	2013/04/18	10:28:38	0.252	0.254	0.253
134	2013/04/18	10:29:38	0.254	0.257	0.254
135	2013/04/18	10:30:38	0.251	0.254	0.251
136	2013/04/18	10:31:38	0.253	0.255	0.254
137	2013/04/18	10:32:38	0.254	0.256	0.253
138	2013/04/18	10:33:38	0.254	0.257	0.254
139	2013/04/18	10:34:38	0.254	0.264	0.255
140	2013/04/18	10:35:38	0.254	0.256	0.255
141	2013/04/18	10:36:38	0.255	0.257	0.257
142	2013/04/18	10:37:38	0.257	0.263	0.257
143	2013/04/18	10:38:38	0.255	0.257	0.256
144	2013/04/18	10:39:38	0.256	0.257	0.256
145	2013/04/18	10:40:38	0.257	0.261	0.260
146	2013/04/18	10:41:38	0.260	0.264	0.263
147	2013/04/18	10:42:38	0.262	0.279	0.260
148	2013/04/18	10:43:38	0.259	0.261	0.261
149	2013/04/18	10:44:38	0.262	0.264	0.262
150	2013/04/18	10:45:38	0.265	0.268	0.266
151	2013/04/18	10:46:38	0.264	0.267	0.266
152	2013/04/18	10:47:38	0.264	0.266	0.265
153	2013/04/18	10:48:38	0.268	0.271	0.270
154	2013/04/18	10:49:38	0.267	0.270	0.266
155	2013/04/18	10:50:38	0.267	0.271	0.271

156	2013/04/18	10:51:38	0.270	0.272	0.271
157	2013/04/18	10:52:38	0.273	0.276	0.276
158	2013/04/18	10:53:38	0.273	0.276	0.276
159	2013/04/18	10:54:38	0.276	0.279	0.277
160	2013/04/18	10:55:38	0.274	0.277	0.273
161	2013/04/18	10:56:38	0.274	0.277	0.274
162	2013/04/18	10:57:38	0.273	0.276	0.274
163	2013/04/18	10:58:38	0.273	0.274	0.273
164	2013/04/18	10:59:38	0.273	0.275	0.274
165	2013/04/18	11:00:38	0.272	0.274	0.272
166	2013/04/18	11:01:38	0.271	0.274	0.273
167	2013/04/18	11:02:38	0.271	0.272	0.271
168	2013/04/18	11:03:38	0.270	0.277	0.274
169	2013/04/18	11:04:38	0.269	0.273	0.267
170	2013/04/18	11:05:38	0.268	0.278	0.270
171	2013/04/18	11:06:38	0.270	0.281	0.270
172	2013/04/18	11:07:38	0.269	0.271	0.271
173	2013/04/18	11:08:38	0.270	0.273	0.272
174	2013/04/18	11:09:38	0.269	0.272	0.271
175	2013/04/18	11:10:38	0.273	0.278	0.275
176	2013/04/18	11:11:38	0.278	0.281	0.281
177	2013/04/18	11:12:38	0.281	0.284	0.281
178	2013/04/18	11:13:38	0.282	0.284	0.283
179	2013/04/18	11:14:38	0.284	0.289	0.288
180	2013/04/18	11:15:38	0.287	0.289	0.289
181	2013/04/18	11:16:38	0.290	0.292	0.292
182	2013/04/18	11:17:38	0.293	0.297	0.297
183	2013/04/18	11:18:38	0.294	0.296	0.293
184	2013/04/18	11:19:38	0.294	0.296	0.296
185	2013/04/18	11:20:38	0.296	0.300	0.299
186	2013/04/18	11:21:38	0.297	0.301	0.296
187	2013/04/18	11:22:38	0.298	0.301	0.301
188	2013/04/18	11:23:38	0.301	0.304	0.304
189	2013/04/18	11:24:38	0.304	0.309	0.301
190	2013/04/18	11:25:38	0.300	0.303	0.303
191	2013/04/18	11:26:38	0.303	0.308	0.303
192	2013/04/18	11:27:38	0.304	0.307	0.306
193	2013/04/18	11:28:38	0.304	0.306	0.302
194	2013/04/18	11:29:38	0.304	0.306	0.306
195	2013/04/18	11:30:38	0.304	0.306	0.304
196	2013/04/18	11:31:38	0.305	0.307	0.305
197	2013/04/18	11:32:38	0.306	0.308	0.308
198	2013/04/18	11:33:38	0.308	0.311	0.308
199	2013/04/18	11:34:38	0.308	0.311	0.308
200	2013/04/18	11:35:38	0.308	0.310	0.309
201	2013/04/18	11:36:38	0.317	0.369	0.338
202	2013/04/18	11:37:38	0.325	0.360	0.317
203	2013/04/18	11:38:38	0.317	0.330	0.312
204	2013/04/18	11:39:38	0.316	0.328	0.321
205	2013/04/18	11:40:38	0.317	0.322	0.317
206	2013/04/18	11:41:38	0.318	0.322	0.316
207	2013/04/18	11:42:38	0.316	0.319	0.317
208	2013/04/18	11:43:38	0.320	0.323	0.321
209	2013/04/18	11:44:38	0.324	0.327	0.323
210	2013/04/18	11:45:38	0.322	0.324	0.323
211	2013/04/18	11:46:38	0.324	0.325	0.324
212	2013/04/18	11:47:38	0.324	0.327	0.324
213	2013/04/18	11:48:38	0.323	0.327	0.321
214	2013/04/18	11:49:38	0.327	0.341	0.333
215	2013/04/18	11:50:38	0.322	0.333	0.321
216	2013/04/18	11:51:38	0.321	0.325	0.320
217	2013/04/18	11:52:38	0.318	0.321	0.320
218	2013/04/18	11:53:38	0.317	0.321	0.315

219	2013/04/18	11:54:38	0.317	0.319	0.318
220	2013/04/18	11:55:38	0.317	0.320	0.317
221	2013/04/18	11:56:38	0.318	0.322	0.315
222	2013/04/18	11:57:38	0.314	0.320	0.314
223	2013/04/18	11:58:38	0.314	0.318	0.317
224	2013/04/18	11:59:38	0.316	0.319	0.319
225	2013/04/18	12:00:38	0.320	0.335	0.316
226	2013/04/18	12:01:38	0.316	0.321	0.318
227	2013/04/18	12:02:38	0.317	0.320	0.319
228	2013/04/18	12:03:38	0.321	0.328	0.318
229	2013/04/18	12:04:38	0.317	0.321	0.316
230	2013/04/18	12:05:38	0.318	0.322	0.317
231	2013/04/18	12:06:38	0.319	0.322	0.320
232	2013/04/18	12:07:38	0.331	0.406	0.368
233	2013/04/18	12:08:38	0.340	0.409	0.330
234	2013/04/18	12:09:38	0.323	0.329	0.322
235	2013/04/18	12:10:38	0.319	0.323	0.317
236	2013/04/18	12:11:38	0.319	0.322	0.317
237	2013/04/18	12:12:38	0.319	0.351	0.351
238	2013/04/18	12:13:38	0.332	0.428	0.315
239	2013/04/18	12:14:38	0.317	0.322	0.318
240	2013/04/18	12:15:38	0.317	0.321	0.321
241	2013/04/18	12:16:38	0.319	0.321	0.318
242	2013/04/18	12:17:38	0.334	0.424	0.324
243	2013/04/18	12:18:38	0.324	0.330	0.327
244	2013/04/18	12:19:38	0.328	0.331	0.331
245	2013/04/18	12:20:38	0.330	0.334	0.330
246	2013/04/18	12:21:38	0.326	0.332	0.327
247	2013/04/18	12:22:38	0.330	0.335	0.335
248	2013/04/18	12:23:38	0.336	0.342	0.340
249	2013/04/18	12:24:38	0.343	0.349	0.345
250	2013/04/18	12:25:38	0.348	0.353	0.352
251	2013/04/18	12:26:38	0.351	0.355	0.351
252	2013/04/18	12:27:38	0.354	0.357	0.356
253	2013/04/18	12:28:38	0.358	0.364	0.364
254	2013/04/18	12:29:38	0.363	0.373	0.364
255	2013/04/18	12:30:38	0.361	0.367	0.362
256	2013/04/18	12:31:38	0.361	0.364	0.359
257	2013/04/18	12:32:38	0.362	0.366	0.366
258	2013/04/18	12:33:38	0.364	0.369	0.366
259	2013/04/18	12:34:38	0.364	0.368	0.365
260	2013/04/18	12:35:38	0.365	0.369	0.362
261	2013/04/18	12:36:38	0.364	0.368	0.363
262	2013/04/18	12:37:38	0.364	0.368	0.365
263	2013/04/18	12:38:38	0.363	0.376	0.361
264	2013/04/18	12:39:38	0.354	0.363	0.352
265	2013/04/18	12:40:38	0.350	0.354	0.346
266	2013/04/18	12:41:38	0.346	0.350	0.345
267	2013/04/18	12:42:38	0.341	0.344	0.342
268	2013/04/18	12:43:38	0.342	0.349	0.344
269	2013/04/18	12:44:38	0.338	0.345	0.336
270	2013/04/18	12:45:38	0.334	0.337	0.336
271	2013/04/18	12:46:38	0.332	0.337	0.329
272	2013/04/18	12:47:38	0.326	0.329	0.328
273	2013/04/18	12:48:38	0.337	0.394	0.328
274	2013/04/18	12:49:38	0.324	0.328	0.323
275	2013/04/18	12:50:38	0.319	0.324	0.319
276	2013/04/18	12:51:38	0.317	0.319	0.316
277	2013/04/18	12:52:38	0.316	0.318	0.317
278	2013/04/18	12:53:38	0.314	0.318	0.312
279	2013/04/18	12:54:38	0.314	0.329	0.310
280	2013/04/18	12:55:38	0.310	0.312	0.310
281	2013/04/18	12:56:38	0.309	0.312	0.307

282	2013/04/18	12:57:38	0.307	0.308	0.308
283	2013/04/18	12:58:38	0.306	0.309	0.303
284	2013/04/18	12:59:38	0.305	0.309	0.304
285	2013/04/18	13:00:38	0.302	0.305	0.301
286	2013/04/18	13:01:38	0.301	0.304	0.299
287	2013/04/18	13:02:38	0.298	0.300	0.299
288	2013/04/18	13:03:38	0.299	0.301	0.299
289	2013/04/18	13:04:38	0.298	0.302	0.297
290	2013/04/18	13:05:38	0.295	0.300	0.293
291	2013/04/18	13:06:38	0.292	0.294	0.293
292	2013/04/18	13:07:38	0.294	0.299	0.298
293	2013/04/18	13:08:38	0.294	0.298	0.296
294	2013/04/18	13:09:38	0.295	0.298	0.295
295	2013/04/18	13:10:38	0.293	0.297	0.292
296	2013/04/18	13:11:38	0.293	0.295	0.292
297	2013/04/18	13:12:38	0.293	0.298	0.292
298	2013/04/18	13:13:38	0.295	0.330	0.292
299	2013/04/18	13:14:38	0.295	0.299	0.297
300	2013/04/18	13:15:38	0.295	0.299	0.295
301	2013/04/18	13:16:38	0.295	0.297	0.296
302	2013/04/18	13:17:38	0.299	0.320	0.299
303	2013/04/18	13:18:38	0.301	0.304	0.302
304	2013/04/18	13:19:38	0.304	0.307	0.306
305	2013/04/18	13:20:38	0.301	0.306	0.300
306	2013/04/18	13:21:38	0.302	0.305	0.302
307	2013/04/18	13:22:38	0.303	0.306	0.303
308	2013/04/18	13:23:38	0.305	0.308	0.306
309	2013/04/18	13:24:38	0.305	0.309	0.309
310	2013/04/18	13:25:38	0.307	0.309	0.309
311	2013/04/18	13:26:38	0.310	0.313	0.311
312	2013/04/18	13:27:38	0.311	0.313	0.311
313	2013/04/18	13:28:38	0.310	0.313	0.313
314	2013/04/18	13:29:38	0.312	0.314	0.312
315	2013/04/18	13:30:38	0.312	0.316	0.314
316	2013/04/18	13:31:38	0.314	0.317	0.314
317	2013/04/18	13:32:38	0.314	0.316	0.313
318	2013/04/18	13:33:38	0.315	0.319	0.316
319	2013/04/18	13:34:38	0.315	0.318	0.316
320	2013/04/18	13:35:38	0.315	0.317	0.316
321	2013/04/18	13:36:38	0.316	0.320	0.316
322	2013/04/18	13:37:38	0.327	0.351	0.319
323	2013/04/18	13:38:38	0.318	0.320	0.318
324	2013/04/18	13:39:38	0.319	0.322	0.322
325	2013/04/18	13:40:38	0.318	0.323	0.318
326	2013/04/18	13:41:38	0.317	0.321	0.320
327	2013/04/18	13:42:38	0.318	0.321	0.316
328	2013/04/18	13:43:38	0.317	0.319	0.319
329	2013/04/18	13:44:38	0.318	0.319	0.319
330	2013/04/18	13:45:38	0.318	0.321	0.317
331	2013/04/18	13:46:38	0.315	0.319	0.314
332	2013/04/18	13:47:38	0.314	0.318	0.314
333	2013/04/18	13:48:38	0.315	0.320	0.319
334	2013/04/18	13:49:38	0.316	0.321	0.313
335	2013/04/18	13:50:38	0.313	0.317	0.315
336	2013/04/18	13:51:38	0.315	0.318	0.313
337	2013/04/18	13:52:38	0.311	0.315	0.313
338	2013/04/18	13:53:38	0.315	0.320	0.318
339	2013/04/18	13:54:38	0.316	0.318	0.318
340	2013/04/18	13:55:38	0.316	0.319	0.317
341	2013/04/18	13:56:38	0.316	0.319	0.318
342	2013/04/18	13:57:38	0.314	0.317	0.315
343	2013/04/18	13:58:38	0.316	0.323	0.319
344	2013/04/18	13:59:38	0.317	0.320	0.318

345	2013/04/18	14:00:38	0.312	0.317	0.314
346	2013/04/18	14:01:38	0.312	0.314	0.313
347	2013/04/18	14:02:38	0.313	0.317	0.316
348	2013/04/18	14:03:38	0.313	0.316	0.312
349	2013/04/18	14:04:38	0.312	0.315	0.315
350	2013/04/18	14:05:38	0.310	0.315	0.309
351	2013/04/18	14:06:38	0.308	0.311	0.310
352	2013/04/18	14:07:38	0.308	0.311	0.306
353	2013/04/18	14:08:38	0.305	0.308	0.304
354	2013/04/18	14:09:38	0.304	0.307	0.305
355	2013/04/18	14:10:38	0.304	0.306	0.304
356	2013/04/18	14:11:38	0.302	0.304	0.302
357	2013/04/18	14:12:38	0.301	0.303	0.300
358	2013/04/18	14:13:38	0.300	0.302	0.302
359	2013/04/18	14:14:38	0.302	0.305	0.304
360	2013/04/18	14:15:38	0.301	0.305	0.302
361	2013/04/18	14:16:38	0.302	0.304	0.302
362	2013/04/18	14:17:38	0.302	0.308	0.297
363	2013/04/18	14:18:38	0.299	0.304	0.302
364	2013/04/18	14:19:38	0.302	0.305	0.302
365	2013/04/18	14:20:38	0.302	0.305	0.304
366	2013/04/18	14:21:38	0.302	0.305	0.305
367	2013/04/18	14:22:38	0.303	0.305	0.302
368	2013/04/18	14:23:38	0.305	0.317	0.303
369	2013/04/18	14:24:38	0.301	0.304	0.298
370	2013/04/18	14:25:38	0.299	0.302	0.298
371	2013/04/18	14:26:38	0.295	0.298	0.295
372	2013/04/18	14:27:38	0.293	0.295	0.291
373	2013/04/18	14:28:38	0.291	0.294	0.293
374	2013/04/18	14:29:38	0.294	0.297	0.295
375	2013/04/18	14:30:38	0.290	0.295	0.289
376	2013/04/18	14:31:38	0.288	0.293	0.290
377	2013/04/18	14:32:38	0.289	0.291	0.288
378	2013/04/18	14:33:38	0.289	0.292	0.288
379	2013/04/18	14:34:38	0.287	0.289	0.289
380	2013/04/18	14:35:38	0.288	0.290	0.289
381	2013/04/18	14:36:38	0.291	0.294	0.291
382	2013/04/18	14:37:38	0.288	0.292	0.287
383	2013/04/18	14:38:38	0.288	0.295	0.288
384	2013/04/18	14:39:38	0.287	0.288	0.288
385	2013/04/18	14:40:38	0.289	0.291	0.291
386	2013/04/18	14:41:38	0.292	0.296	0.296
387	2013/04/18	14:42:38	0.294	0.299	0.293
388	2013/04/18	14:43:38	0.291	0.295	0.291
389	2013/04/18	14:44:38	0.289	0.291	0.290
390	2013/04/18	14:45:38	0.295	0.309	0.307
391	2013/04/18	14:46:38	0.299	0.314	0.290
392	2013/04/18	14:47:38	0.287	0.291	0.288
393	2013/04/18	14:48:38	0.290	0.297	0.297
394	2013/04/18	14:49:38	0.291	0.297	0.293
395	2013/04/18	14:50:38	0.292	0.297	0.293
396	2013/04/18	14:51:38	0.292	0.295	0.292
397	2013/04/18	14:52:38	0.292	0.295	0.292
398	2013/04/18	14:53:38	0.290	0.292	0.290
399	2013/04/18	14:54:38	0.288	0.290	0.290
400	2013/04/18	14:55:38	0.288	0.292	0.288
401	2013/04/18	14:56:38	0.288	0.291	0.290
402	2013/04/18	14:57:38	0.288	0.291	0.287
403	2013/04/18	14:58:38	0.287	0.289	0.285
404	2013/04/18	14:59:38	0.287	0.292	0.287
405	2013/04/18	15:00:38	0.288	0.292	0.289
406	2013/04/18	15:01:38	0.289	0.296	0.287
407	2013/04/18	15:02:38	0.287	0.291	0.286

408	2013/04/18	15:03:38	0.286	0.290	0.285
409	2013/04/18	15:04:38	0.286	0.291	0.288
410	2013/04/18	15:05:38	0.286	0.289	0.287
411	2013/04/18	15:06:38	0.286	0.288	0.288
412	2013/04/18	15:07:38	0.287	0.290	0.288
413	2013/04/18	15:08:38	0.287	0.290	0.287
414	2013/04/18	15:09:38	0.289	0.295	0.285
415	2013/04/18	15:10:38	0.287	0.291	0.289
416	2013/04/18	15:11:38	0.287	0.292	0.288
417	2013/04/18	15:12:38	0.289	0.292	0.287
418	2013/04/18	15:13:38	0.287	0.289	0.289
419	2013/04/18	15:14:38	0.291	0.295	0.295
420	2013/04/18	15:15:38	0.294	0.298	0.294
421	2013/04/18	15:16:38	0.295	0.299	0.298
422	2013/04/18	15:17:38	0.294	0.299	0.293
423	2013/04/18	15:18:38	0.295	0.299	0.297
424	2013/04/18	15:19:38	0.295	0.298	0.297
425	2013/04/18	15:20:38	0.298	0.302	0.298
426	2013/04/18	15:21:38	0.303	0.311	0.303
427	2013/04/18	15:22:38	0.307	0.310	0.308
428	2013/04/18	15:23:38	0.309	0.311	0.310
429	2013/04/18	15:24:38	0.312	0.316	0.313
430	2013/04/18	15:25:38	0.316	0.320	0.320
431	2013/04/18	15:26:38	0.319	0.321	0.320
432	2013/04/18	15:27:38	0.324	0.329	0.328
433	2013/04/18	15:28:38	0.323	0.328	0.321
434	2013/04/18	15:29:38	0.327	0.335	0.335
435	2013/04/18	15:30:38	0.326	0.335	0.324
436	2013/04/18	15:31:38	0.327	0.333	0.331
437	2013/04/18	15:32:38	0.330	0.336	0.332
438	2013/04/18	15:33:38	0.332	0.334	0.332
439	2013/04/18	15:34:38	0.333	0.336	0.335
440	2013/04/18	15:35:38	0.336	0.351	0.335
441	2013/04/18	15:36:38	0.335	0.338	0.334
442	2013/04/18	15:37:38	0.334	0.339	0.332
443	2013/04/18	15:38:38	0.331	0.334	0.330
444	2013/04/18	15:39:38	0.330	0.333	0.330
445	2013/04/18	15:40:38	0.328	0.330	0.327
446	2013/04/18	15:41:38	0.324	0.327	0.326
447	2013/04/18	15:42:38	0.323	0.326	0.322
448	2013/04/18	15:43:38	0.321	0.325	0.320
449	2013/04/18	15:44:38	0.319	0.322	0.317
450	2013/04/18	15:45:38	0.318	0.321	0.314
451	2013/04/18	15:46:38	0.317	0.322	0.314
452	2013/04/18	15:47:38	0.313	0.317	0.314
453	2013/04/18	15:48:38	0.312	0.316	0.313
454	2013/04/18	15:49:38	0.312	0.315	0.311
455	2013/04/18	15:50:38	0.311	0.313	0.311
456	2013/04/18	15:51:38	0.311	0.313	0.310
457	2013/04/18	15:52:38	0.311	0.314	0.310
458	2013/04/18	15:53:38	0.309	0.311	0.307
459	2013/04/18	15:54:38	0.309	0.316	0.313
460	2013/04/18	15:55:38	0.306	0.312	0.305
461	2013/04/18	15:56:38	0.306	0.317	0.317
462	2013/04/18	15:57:38	0.310	0.321	0.309
463	2013/04/18	15:58:38	0.309	0.315	0.310
464	2013/04/18	15:59:38	0.311	0.315	0.315
465	2013/04/18	16:00:38	0.315	0.319	0.314
466	2013/04/18	16:01:38	0.314	0.318	0.316
467	2013/04/18	16:02:38	0.317	0.320	0.317
468	2013/04/18	16:03:38	0.317	0.321	0.318
469	2013/04/18	16:04:38	0.319	0.322	0.321
470	2013/04/18	16:05:38	0.320	0.322	0.319

471	2013/04/18	16:06:38	0.322	0.324	0.321
472	2013/04/18	16:07:38	0.320	0.322	0.317
473	2013/04/18	16:08:38	0.318	0.321	0.318
474	2013/04/18	16:09:38	0.317	0.321	0.317
475	2013/04/18	16:10:38	0.317	0.320	0.317
476	2013/04/18	16:11:38	0.317	0.319	0.317
477	2013/04/18	16:12:38	0.316	0.320	0.316
478	2013/04/18	16:13:38	0.317	0.324	0.315
479	2013/04/18	16:14:38	0.316	0.319	0.318
480	2013/04/18	16:15:38	0.318	0.320	0.318
481	2013/04/18	16:16:38	0.318	0.321	0.317
482	2013/04/18	16:17:38	0.318	0.322	0.320
483	2013/04/18	16:18:38	0.319	0.321	0.320
484	2013/04/18	16:19:38	0.320	0.323	0.319
485	2013/04/18	16:20:38	0.321	0.326	0.321
486	2013/04/18	16:21:38	0.326	0.333	0.327
487	2013/04/18	16:22:38	0.325	0.333	0.323
488	2013/04/18	16:23:38	0.324	0.328	0.324
489	2013/04/18	16:24:38	0.324	0.328	0.327
490	2013/04/18	16:25:38	0.324	0.331	0.321
491	2013/04/18	16:26:38	0.322	0.325	0.323
492	2013/04/18	16:27:38	0.324	0.326	0.325
493	2013/04/18	16:28:38	0.323	0.325	0.320
494	2013/04/18	16:29:38	0.322	0.323	0.323
495	2013/04/18	16:30:38	0.320	0.324	0.317
496	2013/04/18	16:31:38	0.315	0.318	0.311
497	2013/04/18	16:32:38	0.311	0.313	0.310
498	2013/04/18	16:33:38	0.308	0.311	0.307
499	2013/04/18	16:34:38	0.305	0.307	0.304
500	2013/04/18	16:35:38	0.302	0.305	0.301
501	2013/04/18	16:36:38	0.299	0.302	0.297
502	2013/04/18	16:37:38	0.296	0.299	0.293
503	2013/04/18	16:38:38	0.291	0.295	0.289
504	2013/04/18	16:39:38	0.287	0.289	0.287
505	2013/04/18	16:40:38	0.282	0.287	0.279
506	2013/04/18	16:41:38	0.279	0.281	0.279
507	2013/04/18	16:42:38	0.276	0.279	0.273
508	2013/04/18	16:43:38	0.272	0.274	0.270
509	2013/04/18	16:44:38	0.268	0.270	0.266
510	2013/04/18	16:45:38	0.265	0.268	0.265
511	2013/04/18	16:46:38	0.261	0.265	0.260
512	2013/04/18	16:47:38	0.258	0.261	0.257
513	2013/04/18	16:48:38	0.255	0.257	0.251
514	2013/04/18	16:49:38	0.253	0.255	0.252
515	2013/04/18	16:50:38	0.252	0.254	0.253
516	2013/04/18	16:51:38	0.252	0.255	0.255
517	2013/04/18	16:52:38	0.249	0.255	0.248
518	2013/04/18	16:53:38	0.249	0.253	0.249
519	2013/04/18	16:54:38	0.252	0.255	0.253
520	2013/04/18	16:55:38	0.254	0.255	0.253
521	2013/04/18	16:56:38	0.257	0.260	0.258
522	2013/04/18	16:57:38	0.259	0.263	0.260
523	2013/04/18	16:58:38	0.262	0.265	0.264
524	2013/04/18	16:59:38	0.266	0.271	0.269
525	2013/04/18	17:00:38	0.271	0.275	0.273
526	2013/04/18	17:01:38	0.271	0.273	0.270
527	2013/04/18	17:02:38	0.273	0.276	0.275
528	2013/04/18	17:03:38	0.276	0.279	0.278
529	2013/04/18	17:04:38	0.278	0.280	0.280
530	2013/04/18	17:05:38	0.281	0.284	0.282
531	2013/04/18	17:06:38	0.284	0.286	0.286
532	2013/04/18	17:07:38	0.286	0.288	0.288
533	2013/04/18	17:08:38	0.287	0.290	0.288

534	2013/04/18 17:09:38	0.288	0.290	0.289
535	2013/04/18 17:10:38	0.290	0.295	0.290
536	2013/04/18 17:11:38	0.290	0.291	0.288
537	2013/04/18 17:12:38	0.291	0.294	0.293
538	2013/04/18 17:13:38	0.289	0.293	0.289
539	2013/04/18 17:14:38	0.289	0.298	0.290
540	2013/04/18 17:15:38	0.287	0.291	0.285
541	2013/04/18 17:16:38	0.283	0.287	0.281
542	2013/04/18 17:17:38	0.280	0.282	0.279
543	2013/04/18 17:18:38	0.279	0.282	0.276
544	2013/04/18 17:19:38	0.273	0.277	0.271
545	2013/04/18 17:20:38	0.271	0.274	0.269
546	2013/04/18 17:21:38	0.267	0.269	0.266
547	2013/04/18 17:22:38	0.265	0.267	0.263
548	2013/04/18 17:23:38	0.263	0.264	0.261
549	2013/04/18 17:24:38	0.258	0.261	0.258
550	2013/04/18 17:25:38	0.256	0.258	0.256
551	2013/04/18 17:26:38	0.252	0.256	0.249
552	2013/04/18 17:27:38	0.248	0.250	0.246
553	2013/04/18 17:28:38	0.245	0.248	0.244
554	2013/04/18 17:29:38	0.244	0.246	0.242
555	2013/04/18 17:30:38	0.240	0.244	0.238
556	2013/04/18 17:31:38	0.237	0.238	0.237
557	2013/04/18 17:32:38	0.236	0.238	0.235
558	2013/04/18 17:33:38	0.233	0.235	0.230
559	2013/04/18 17:34:38	0.229	0.231	0.229
560	2013/04/18 17:35:38	0.227	0.229	0.228
561	2013/04/18 17:36:38	0.226	0.228	0.225
562	2013/04/18 17:37:38	0.224	0.226	0.222
563	2013/04/18 17:38:38	0.221	0.223	0.220
564	2013/04/18 17:39:38	0.219	0.220	0.219
565	2013/04/18 17:40:38	0.217	0.219	0.217
566	2013/04/18 17:41:38	0.216	0.218	0.216
567	2013/04/18 17:42:38	0.215	0.217	0.214
568	2013/04/18 17:43:38	0.215	0.218	0.215
569	2013/04/18 17:44:38	0.212	0.215	0.212
570	2013/04/18 17:45:38	0.210	0.213	0.209
571	2013/04/18 17:46:38	0.210	0.212	0.208
572	2013/04/18 17:47:38	0.207	0.209	0.209
573	2013/04/18 17:48:38	0.206	0.209	0.206
Peak		0.365	0.428	0.368
Min		0.014	0.015	0.013
Average		0.273	0.278	0.274

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/04/18 08:16:38	0.000	---	
002	2013/04/18 08:17:38	0.000	---	
003	2013/04/18 08:18:38	0.000	---	
004	2013/04/18 08:19:38	0.000	---	
005	2013/04/18 08:20:38	0.000	---	
006	2013/04/18 08:21:38	0.000	---	
007	2013/04/18 08:22:38	0.000	---	
008	2013/04/18 08:23:38	0.000	---	
009	2013/04/18 08:24:38	0.000	---	
010	2013/04/18 08:25:38	0.001	---	
011	2013/04/18 08:26:38	0.001	---	
012	2013/04/18 08:27:38	0.001	---	
013	2013/04/18 08:28:38	0.001	---	
014	2013/04/18 08:29:38	0.001	---	
015	2013/04/18 08:30:38	0.001	0.036	

016	2013/04/18	08:31:38	0.001	0.041
017	2013/04/18	08:32:38	0.001	0.045
018	2013/04/18	08:33:38	0.002	0.050
019	2013/04/18	08:34:38	0.002	0.056
020	2013/04/18	08:35:38	0.002	0.061
021	2013/04/18	08:36:38	0.002	0.066
022	2013/04/18	08:37:38	0.003	0.072
023	2013/04/18	08:38:38	0.003	0.077
024	2013/04/18	08:39:38	0.003	0.083
025	2013/04/18	08:40:38	0.003	0.088
026	2013/04/18	08:41:38	0.004	0.094
027	2013/04/18	08:42:38	0.004	0.099
028	2013/04/18	08:43:38	0.004	0.104
029	2013/04/18	08:44:38	0.004	0.109
030	2013/04/18	08:45:38	0.005	0.114
031	2013/04/18	08:46:38	0.005	0.119
032	2013/04/18	08:47:38	0.005	0.124
033	2013/04/18	08:48:38	0.006	0.128
034	2013/04/18	08:49:38	0.006	0.132
035	2013/04/18	08:50:38	0.006	0.137
036	2013/04/18	08:51:38	0.007	0.141
037	2013/04/18	08:52:38	0.007	0.145
038	2013/04/18	08:53:38	0.007	0.148
039	2013/04/18	08:54:38	0.008	0.152
040	2013/04/18	08:55:38	0.008	0.155
041	2013/04/18	08:56:38	0.009	0.159
042	2013/04/18	08:57:38	0.009	0.162
043	2013/04/18	08:58:38	0.009	0.165
044	2013/04/18	08:59:38	0.010	0.169
045	2013/04/18	09:00:38	0.010	0.172
046	2013/04/18	09:01:38	0.010	0.175
047	2013/04/18	09:02:38	0.011	0.177
048	2013/04/18	09:03:38	0.011	0.180
049	2013/04/18	09:04:38	0.012	0.183
050	2013/04/18	09:05:38	0.012	0.186
051	2013/04/18	09:06:38	0.013	0.188
052	2013/04/18	09:07:38	0.013	0.191
053	2013/04/18	09:08:38	0.013	0.193
054	2013/04/18	09:09:38	0.014	0.196
055	2013/04/18	09:10:38	0.014	0.198
056	2013/04/18	09:11:38	0.015	0.200
057	2013/04/18	09:12:38	0.015	0.201
058	2013/04/18	09:13:38	0.016	0.203
059	2013/04/18	09:14:38	0.016	0.205
060	2013/04/18	09:15:38	0.017	0.206
061	2013/04/18	09:16:38	0.017	0.215
062	2013/04/18	09:17:38	0.018	0.217
063	2013/04/18	09:18:38	0.018	0.218
064	2013/04/18	09:19:38	0.019	0.219
065	2013/04/18	09:20:38	0.019	0.220
066	2013/04/18	09:21:38	0.019	0.221
067	2013/04/18	09:22:38	0.020	0.222
068	2013/04/18	09:23:38	0.020	0.223
069	2013/04/18	09:24:38	0.021	0.224
070	2013/04/18	09:25:38	0.021	0.225
071	2013/04/18	09:26:38	0.022	0.226
072	2013/04/18	09:27:38	0.022	0.227
073	2013/04/18	09:28:38	0.023	0.227
074	2013/04/18	09:29:38	0.023	0.228
075	2013/04/18	09:30:38	0.024	0.229
076	2013/04/18	09:31:38	0.024	0.222
077	2013/04/18	09:32:38	0.025	0.223
078	2013/04/18	09:33:38	0.025	0.223

079	2013/04/18	09:34:38	0.026	0.224
080	2013/04/18	09:35:38	0.026	0.224
081	2013/04/18	09:36:38	0.027	0.225
082	2013/04/18	09:37:38	0.027	0.225
083	2013/04/18	09:38:38	0.027	0.225
084	2013/04/18	09:39:38	0.028	0.226
085	2013/04/18	09:40:38	0.028	0.226
086	2013/04/18	09:41:38	0.029	0.226
087	2013/04/18	09:42:38	0.029	0.226
088	2013/04/18	09:43:38	0.030	0.227
089	2013/04/18	09:44:38	0.030	0.227
090	2013/04/18	09:45:38	0.031	0.227
091	2013/04/18	09:46:38	0.031	0.228
092	2013/04/18	09:47:38	0.032	0.228
093	2013/04/18	09:48:38	0.032	0.229
094	2013/04/18	09:49:38	0.033	0.229
095	2013/04/18	09:50:38	0.033	0.230
096	2013/04/18	09:51:38	0.034	0.231
097	2013/04/18	09:52:38	0.034	0.231
098	2013/04/18	09:53:38	0.035	0.233
099	2013/04/18	09:54:38	0.035	0.234
100	2013/04/18	09:55:38	0.036	0.235
101	2013/04/18	09:56:38	0.036	0.235
102	2013/04/18	09:57:38	0.037	0.236
103	2013/04/18	09:58:38	0.037	0.237
104	2013/04/18	09:59:38	0.038	0.238
105	2013/04/18	10:00:38	0.038	0.239
106	2013/04/18	10:01:38	0.039	0.240
107	2013/04/18	10:02:38	0.039	0.241
108	2013/04/18	10:03:38	0.040	0.242
109	2013/04/18	10:04:38	0.040	0.243
110	2013/04/18	10:05:38	0.041	0.244
111	2013/04/18	10:06:38	0.041	0.245
112	2013/04/18	10:07:38	0.042	0.245
113	2013/04/18	10:08:38	0.042	0.246
114	2013/04/18	10:09:38	0.043	0.246
115	2013/04/18	10:10:38	0.043	0.247
116	2013/04/18	10:11:38	0.044	0.247
117	2013/04/18	10:12:38	0.044	0.248
118	2013/04/18	10:13:38	0.045	0.248
119	2013/04/18	10:14:38	0.046	0.248
120	2013/04/18	10:15:38	0.046	0.249
121	2013/04/18	10:16:38	0.047	0.249
122	2013/04/18	10:17:38	0.047	0.248
123	2013/04/18	10:18:38	0.048	0.249
124	2013/04/18	10:19:38	0.048	0.249
125	2013/04/18	10:20:38	0.049	0.249
126	2013/04/18	10:21:38	0.049	0.249
127	2013/04/18	10:22:38	0.050	0.249
128	2013/04/18	10:23:38	0.050	0.249
129	2013/04/18	10:24:38	0.051	0.249
130	2013/04/18	10:25:38	0.051	0.249
131	2013/04/18	10:26:38	0.052	0.249
132	2013/04/18	10:27:38	0.052	0.249
133	2013/04/18	10:28:38	0.053	0.250
134	2013/04/18	10:29:38	0.053	0.250
135	2013/04/18	10:30:38	0.054	0.250
136	2013/04/18	10:31:38	0.054	0.251
137	2013/04/18	10:32:38	0.055	0.251
138	2013/04/18	10:33:38	0.055	0.251
139	2013/04/18	10:34:38	0.056	0.251
140	2013/04/18	10:35:38	0.056	0.252
141	2013/04/18	10:36:38	0.057	0.252

142	2013/04/18 10:37:38	0.058	0.253
143	2013/04/18 10:38:38	0.058	0.253
144	2013/04/18 10:39:38	0.059	0.254
145	2013/04/18 10:40:38	0.059	0.254
146	2013/04/18 10:41:38	0.060	0.255
147	2013/04/18 10:42:38	0.060	0.256
148	2013/04/18 10:43:38	0.061	0.256
149	2013/04/18 10:44:38	0.061	0.257
150	2013/04/18 10:45:38	0.062	0.258
151	2013/04/18 10:46:38	0.062	0.259
152	2013/04/18 10:47:38	0.063	0.260
153	2013/04/18 10:48:38	0.064	0.261
154	2013/04/18 10:49:38	0.064	0.261
155	2013/04/18 10:50:38	0.065	0.262
156	2013/04/18 10:51:38	0.065	0.263
157	2013/04/18 10:52:38	0.066	0.265
158	2013/04/18 10:53:38	0.066	0.266
159	2013/04/18 10:54:38	0.067	0.267
160	2013/04/18 10:55:38	0.068	0.268
161	2013/04/18 10:56:38	0.068	0.269
162	2013/04/18 10:57:38	0.069	0.270
163	2013/04/18 10:58:38	0.069	0.271
164	2013/04/18 10:59:38	0.070	0.271
165	2013/04/18 11:00:38	0.070	0.272
166	2013/04/18 11:01:38	0.071	0.272
167	2013/04/18 11:02:38	0.072	0.273
168	2013/04/18 11:03:38	0.072	0.273
169	2013/04/18 11:04:38	0.073	0.273
170	2013/04/18 11:05:38	0.073	0.273
171	2013/04/18 11:06:38	0.074	0.273
172	2013/04/18 11:07:38	0.074	0.273
173	2013/04/18 11:08:38	0.075	0.272
174	2013/04/18 11:09:38	0.075	0.272
175	2013/04/18 11:10:38	0.076	0.272
176	2013/04/18 11:11:38	0.077	0.273
177	2013/04/18 11:12:38	0.077	0.273
178	2013/04/18 11:13:38	0.078	0.274
179	2013/04/18 11:14:38	0.078	0.275
180	2013/04/18 11:15:38	0.079	0.276
181	2013/04/18 11:16:38	0.080	0.277
182	2013/04/18 11:17:38	0.080	0.279
183	2013/04/18 11:18:38	0.081	0.280
184	2013/04/18 11:19:38	0.081	0.282
185	2013/04/18 11:20:38	0.082	0.284
186	2013/04/18 11:21:38	0.083	0.286
187	2013/04/18 11:22:38	0.083	0.288
188	2013/04/18 11:23:38	0.084	0.290
189	2013/04/18 11:24:38	0.085	0.292
190	2013/04/18 11:25:38	0.085	0.294
191	2013/04/18 11:26:38	0.086	0.295
192	2013/04/18 11:27:38	0.086	0.297
193	2013/04/18 11:28:38	0.087	0.298
194	2013/04/18 11:29:38	0.088	0.299
195	2013/04/18 11:30:38	0.088	0.300
196	2013/04/18 11:31:38	0.089	0.301
197	2013/04/18 11:32:38	0.090	0.302
198	2013/04/18 11:33:38	0.090	0.303
199	2013/04/18 11:34:38	0.091	0.304
200	2013/04/18 11:35:38	0.092	0.304
201	2013/04/18 11:36:38	0.092	0.307
202	2013/04/18 11:37:38	0.093	0.308
203	2013/04/18 11:38:38	0.094	0.309
204	2013/04/18 11:39:38	0.094	0.310

205	2013/04/18 11:40:38	0.095	0.311
206	2013/04/18 11:41:38	0.096	0.312
207	2013/04/18 11:42:38	0.096	0.313
208	2013/04/18 11:43:38	0.097	0.314
209	2013/04/18 11:44:38	0.098	0.315
210	2013/04/18 11:45:38	0.098	0.316
211	2013/04/18 11:46:38	0.099	0.317
212	2013/04/18 11:47:38	0.100	0.319
213	2013/04/18 11:48:38	0.100	0.319
214	2013/04/18 11:49:38	0.101	0.321
215	2013/04/18 11:50:38	0.102	0.322
216	2013/04/18 11:51:38	0.102	0.321
217	2013/04/18 11:52:38	0.103	0.321
218	2013/04/18 11:53:38	0.104	0.321
219	2013/04/18 11:54:38	0.104	0.321
220	2013/04/18 11:55:38	0.105	0.321
221	2013/04/18 11:56:38	0.106	0.321
222	2013/04/18 11:57:38	0.106	0.321
223	2013/04/18 11:58:38	0.107	0.320
224	2013/04/18 11:59:38	0.108	0.320
225	2013/04/18 12:00:38	0.108	0.320
226	2013/04/18 12:01:38	0.109	0.319
227	2013/04/18 12:02:38	0.110	0.319
228	2013/04/18 12:03:38	0.110	0.319
229	2013/04/18 12:04:38	0.111	0.318
230	2013/04/18 12:05:38	0.112	0.317
231	2013/04/18 12:06:38	0.112	0.317
232	2013/04/18 12:07:38	0.113	0.320
233	2013/04/18 12:08:38	0.114	0.321
234	2013/04/18 12:09:38	0.114	0.322
235	2013/04/18 12:10:38	0.115	0.322
236	2013/04/18 12:11:38	0.116	0.322
237	2013/04/18 12:12:38	0.116	0.324
238	2013/04/18 12:13:38	0.117	0.324
239	2013/04/18 12:14:38	0.118	0.324
240	2013/04/18 12:15:38	0.118	0.324
241	2013/04/18 12:16:38	0.119	0.324
242	2013/04/18 12:17:38	0.120	0.325
243	2013/04/18 12:18:38	0.120	0.325
244	2013/04/18 12:19:38	0.121	0.326
245	2013/04/18 12:20:38	0.122	0.327
246	2013/04/18 12:21:38	0.122	0.328
247	2013/04/18 12:22:38	0.123	0.326
248	2013/04/18 12:23:38	0.124	0.326
249	2013/04/18 12:24:38	0.125	0.328
250	2013/04/18 12:25:38	0.125	0.330
251	2013/04/18 12:26:38	0.126	0.332
252	2013/04/18 12:27:38	0.127	0.333
253	2013/04/18 12:28:38	0.128	0.336
254	2013/04/18 12:29:38	0.128	0.339
255	2013/04/18 12:30:38	0.129	0.342
256	2013/04/18 12:31:38	0.130	0.344
257	2013/04/18 12:32:38	0.131	0.347
258	2013/04/18 12:33:38	0.131	0.350
259	2013/04/18 12:34:38	0.132	0.352
260	2013/04/18 12:35:38	0.133	0.354
261	2013/04/18 12:36:38	0.134	0.357
262	2013/04/18 12:37:38	0.134	0.359
263	2013/04/18 12:38:38	0.135	0.360
264	2013/04/18 12:39:38	0.136	0.361
265	2013/04/18 12:40:38	0.137	0.360
266	2013/04/18 12:41:38	0.137	0.360
267	2013/04/18 12:42:38	0.138	0.359

268	2013/04/18 12:43:38	0.139	0.357
269	2013/04/18 12:44:38	0.139	0.356
270	2013/04/18 12:45:38	0.140	0.354
271	2013/04/18 12:46:38	0.141	0.352
272	2013/04/18 12:47:38	0.142	0.349
273	2013/04/18 12:48:38	0.142	0.347
274	2013/04/18 12:49:38	0.143	0.344
275	2013/04/18 12:50:38	0.144	0.341
276	2013/04/18 12:51:38	0.144	0.338
277	2013/04/18 12:52:38	0.145	0.335
278	2013/04/18 12:53:38	0.145	0.332
279	2013/04/18 12:54:38	0.146	0.329
280	2013/04/18 12:55:38	0.147	0.326
281	2013/04/18 12:56:38	0.147	0.324
282	2013/04/18 12:57:38	0.148	0.322
283	2013/04/18 12:58:38	0.149	0.319
284	2013/04/18 12:59:38	0.149	0.317
285	2013/04/18 13:00:38	0.150	0.314
286	2013/04/18 13:01:38	0.151	0.312
287	2013/04/18 13:02:38	0.151	0.310
288	2013/04/18 13:03:38	0.152	0.308
289	2013/04/18 13:04:38	0.152	0.307
290	2013/04/18 13:05:38	0.153	0.305
291	2013/04/18 13:06:38	0.154	0.303
292	2013/04/18 13:07:38	0.154	0.302
293	2013/04/18 13:08:38	0.155	0.301
294	2013/04/18 13:09:38	0.156	0.300
295	2013/04/18 13:10:38	0.156	0.299
296	2013/04/18 13:11:38	0.157	0.298
297	2013/04/18 13:12:38	0.157	0.297
298	2013/04/18 13:13:38	0.158	0.296
299	2013/04/18 13:14:38	0.159	0.296
300	2013/04/18 13:15:38	0.159	0.295
301	2013/04/18 13:16:38	0.160	0.295
302	2013/04/18 13:17:38	0.160	0.295
303	2013/04/18 13:18:38	0.161	0.295
304	2013/04/18 13:19:38	0.162	0.296
305	2013/04/18 13:20:38	0.162	0.296
306	2013/04/18 13:21:38	0.163	0.297
307	2013/04/18 13:22:38	0.164	0.297
308	2013/04/18 13:23:38	0.164	0.298
309	2013/04/18 13:24:38	0.165	0.299
310	2013/04/18 13:25:38	0.166	0.300
311	2013/04/18 13:26:38	0.166	0.301
312	2013/04/18 13:27:38	0.167	0.303
313	2013/04/18 13:28:38	0.167	0.304
314	2013/04/18 13:29:38	0.168	0.305
315	2013/04/18 13:30:38	0.169	0.306
316	2013/04/18 13:31:38	0.169	0.307
317	2013/04/18 13:32:38	0.170	0.308
318	2013/04/18 13:33:38	0.171	0.309
319	2013/04/18 13:34:38	0.171	0.310
320	2013/04/18 13:35:38	0.172	0.311
321	2013/04/18 13:36:38	0.173	0.312
322	2013/04/18 13:37:38	0.173	0.313
323	2013/04/18 13:38:38	0.174	0.314
324	2013/04/18 13:39:38	0.175	0.315
325	2013/04/18 13:40:38	0.175	0.315
326	2013/04/18 13:41:38	0.176	0.316
327	2013/04/18 13:42:38	0.177	0.316
328	2013/04/18 13:43:38	0.177	0.317
329	2013/04/18 13:44:38	0.178	0.317
330	2013/04/18 13:45:38	0.179	0.317

331	2013/04/18 13:46:38	0.179	0.317
332	2013/04/18 13:47:38	0.180	0.317
333	2013/04/18 13:48:38	0.181	0.318
334	2013/04/18 13:49:38	0.181	0.317
335	2013/04/18 13:50:38	0.182	0.317
336	2013/04/18 13:51:38	0.183	0.317
337	2013/04/18 13:52:38	0.183	0.317
338	2013/04/18 13:53:38	0.184	0.317
339	2013/04/18 13:54:38	0.185	0.316
340	2013/04/18 13:55:38	0.185	0.316
341	2013/04/18 13:56:38	0.186	0.316
342	2013/04/18 13:57:38	0.187	0.316
343	2013/04/18 13:58:38	0.187	0.316
344	2013/04/18 13:59:38	0.188	0.316
345	2013/04/18 14:00:38	0.189	0.316
346	2013/04/18 14:01:38	0.189	0.316
347	2013/04/18 14:02:38	0.190	0.316
348	2013/04/18 14:03:38	0.191	0.315
349	2013/04/18 14:04:38	0.191	0.316
350	2013/04/18 14:05:38	0.192	0.315
351	2013/04/18 14:06:38	0.192	0.315
352	2013/04/18 14:07:38	0.193	0.315
353	2013/04/18 14:08:38	0.194	0.314
354	2013/04/18 14:09:38	0.194	0.313
355	2013/04/18 14:10:38	0.195	0.312
356	2013/04/18 14:11:38	0.196	0.311
357	2013/04/18 14:12:38	0.196	0.310
358	2013/04/18 14:13:38	0.197	0.309
359	2013/04/18 14:14:38	0.198	0.308
360	2013/04/18 14:15:38	0.198	0.307
361	2013/04/18 14:16:38	0.199	0.306
362	2013/04/18 14:17:38	0.199	0.305
363	2013/04/18 14:18:38	0.200	0.304
364	2013/04/18 14:19:38	0.201	0.303
365	2013/04/18 14:20:38	0.201	0.303
366	2013/04/18 14:21:38	0.202	0.303
367	2013/04/18 14:22:38	0.203	0.302
368	2013/04/18 14:23:38	0.203	0.302
369	2013/04/18 14:24:38	0.204	0.302
370	2013/04/18 14:25:38	0.204	0.302
371	2013/04/18 14:26:38	0.205	0.301
372	2013/04/18 14:27:38	0.206	0.300
373	2013/04/18 14:28:38	0.206	0.300
374	2013/04/18 14:29:38	0.207	0.299
375	2013/04/18 14:30:38	0.207	0.298
376	2013/04/18 14:31:38	0.208	0.298
377	2013/04/18 14:32:38	0.209	0.297
378	2013/04/18 14:33:38	0.209	0.296
379	2013/04/18 14:34:38	0.210	0.295
380	2013/04/18 14:35:38	0.210	0.294
381	2013/04/18 14:36:38	0.211	0.293
382	2013/04/18 14:37:38	0.212	0.292
383	2013/04/18 14:38:38	0.212	0.291
384	2013/04/18 14:39:38	0.213	0.291
385	2013/04/18 14:40:38	0.213	0.290
386	2013/04/18 14:41:38	0.214	0.290
387	2013/04/18 14:42:38	0.215	0.290
388	2013/04/18 14:43:38	0.215	0.290
389	2013/04/18 14:44:38	0.216	0.290
390	2013/04/18 14:45:38	0.217	0.291
391	2013/04/18 14:46:38	0.217	0.291
392	2013/04/18 14:47:38	0.218	0.291
393	2013/04/18 14:48:38	0.218	0.292

394	2013/04/18 14:49:38	0.219	0.292
395	2013/04/18 14:50:38	0.220	0.292
396	2013/04/18 14:51:38	0.220	0.292
397	2013/04/18 14:52:38	0.221	0.293
398	2013/04/18 14:53:38	0.221	0.293
399	2013/04/18 14:54:38	0.222	0.293
400	2013/04/18 14:55:38	0.223	0.293
401	2013/04/18 14:56:38	0.223	0.292
402	2013/04/18 14:57:38	0.224	0.292
403	2013/04/18 14:58:38	0.224	0.291
404	2013/04/18 14:59:38	0.225	0.291
405	2013/04/18 15:00:38	0.226	0.290
406	2013/04/18 15:01:38	0.226	0.290
407	2013/04/18 15:02:38	0.227	0.290
408	2013/04/18 15:03:38	0.227	0.289
409	2013/04/18 15:04:38	0.228	0.289
410	2013/04/18 15:05:38	0.229	0.288
411	2013/04/18 15:06:38	0.229	0.288
412	2013/04/18 15:07:38	0.230	0.288
413	2013/04/18 15:08:38	0.230	0.287
414	2013/04/18 15:09:38	0.231	0.287
415	2013/04/18 15:10:38	0.232	0.287
416	2013/04/18 15:11:38	0.232	0.287
417	2013/04/18 15:12:38	0.233	0.287
418	2013/04/18 15:13:38	0.233	0.287
419	2013/04/18 15:14:38	0.234	0.288
420	2013/04/18 15:15:38	0.235	0.288
421	2013/04/18 15:16:38	0.235	0.289
422	2013/04/18 15:17:38	0.236	0.289
423	2013/04/18 15:18:38	0.236	0.290
424	2013/04/18 15:19:38	0.237	0.291
425	2013/04/18 15:20:38	0.238	0.292
426	2013/04/18 15:21:38	0.238	0.293
427	2013/04/18 15:22:38	0.239	0.294
428	2013/04/18 15:23:38	0.240	0.295
429	2013/04/18 15:24:38	0.240	0.297
430	2013/04/18 15:25:38	0.241	0.299
431	2013/04/18 15:26:38	0.242	0.301
432	2013/04/18 15:27:38	0.242	0.304
433	2013/04/18 15:28:38	0.243	0.306
434	2013/04/18 15:29:38	0.244	0.309
435	2013/04/18 15:30:38	0.244	0.311
436	2013/04/18 15:31:38	0.245	0.313
437	2013/04/18 15:32:38	0.246	0.316
438	2013/04/18 15:33:38	0.246	0.318
439	2013/04/18 15:34:38	0.247	0.321
440	2013/04/18 15:35:38	0.248	0.323
441	2013/04/18 15:36:38	0.249	0.325
442	2013/04/18 15:37:38	0.249	0.327
443	2013/04/18 15:38:38	0.250	0.328
444	2013/04/18 15:39:38	0.251	0.329
445	2013/04/18 15:40:38	0.251	0.330
446	2013/04/18 15:41:38	0.252	0.330
447	2013/04/18 15:42:38	0.253	0.330
448	2013/04/18 15:43:38	0.253	0.330
449	2013/04/18 15:44:38	0.254	0.328
450	2013/04/18 15:45:38	0.255	0.328
451	2013/04/18 15:46:38	0.255	0.327
452	2013/04/18 15:47:38	0.256	0.325
453	2013/04/18 15:48:38	0.257	0.324
454	2013/04/18 15:49:38	0.257	0.323
455	2013/04/18 15:50:38	0.258	0.321
456	2013/04/18 15:51:38	0.258	0.319

457	2013/04/18 15:52:38	0.259	0.318
458	2013/04/18 15:53:38	0.260	0.316
459	2013/04/18 15:54:38	0.260	0.315
460	2013/04/18 15:55:38	0.261	0.314
461	2013/04/18 15:56:38	0.262	0.313
462	2013/04/18 15:57:38	0.262	0.312
463	2013/04/18 15:58:38	0.263	0.312
464	2013/04/18 15:59:38	0.264	0.312
465	2013/04/18 16:00:38	0.264	0.312
466	2013/04/18 16:01:38	0.265	0.312
467	2013/04/18 16:02:38	0.266	0.312
468	2013/04/18 16:03:38	0.266	0.312
469	2013/04/18 16:04:38	0.267	0.313
470	2013/04/18 16:05:38	0.268	0.313
471	2013/04/18 16:06:38	0.268	0.314
472	2013/04/18 16:07:38	0.269	0.315
473	2013/04/18 16:08:38	0.270	0.315
474	2013/04/18 16:09:38	0.270	0.316
475	2013/04/18 16:10:38	0.271	0.316
476	2013/04/18 16:11:38	0.272	0.316
477	2013/04/18 16:12:38	0.272	0.317
478	2013/04/18 16:13:38	0.273	0.317
479	2013/04/18 16:14:38	0.274	0.317
480	2013/04/18 16:15:38	0.274	0.318
481	2013/04/18 16:16:38	0.275	0.318
482	2013/04/18 16:17:38	0.276	0.318
483	2013/04/18 16:18:38	0.276	0.318
484	2013/04/18 16:19:38	0.277	0.318
485	2013/04/18 16:20:38	0.278	0.318
486	2013/04/18 16:21:38	0.278	0.318
487	2013/04/18 16:22:38	0.279	0.319
488	2013/04/18 16:23:38	0.280	0.319
489	2013/04/18 16:24:38	0.280	0.320
490	2013/04/18 16:25:38	0.281	0.320
491	2013/04/18 16:26:38	0.282	0.321
492	2013/04/18 16:27:38	0.282	0.321
493	2013/04/18 16:28:38	0.283	0.322
494	2013/04/18 16:29:38	0.284	0.322
495	2013/04/18 16:30:38	0.284	0.322
496	2013/04/18 16:31:38	0.285	0.321
497	2013/04/18 16:32:38	0.286	0.321
498	2013/04/18 16:33:38	0.286	0.320
499	2013/04/18 16:34:38	0.287	0.319
500	2013/04/18 16:35:38	0.288	0.318
501	2013/04/18 16:36:38	0.288	0.316
502	2013/04/18 16:37:38	0.289	0.314
503	2013/04/18 16:38:38	0.289	0.311
504	2013/04/18 16:39:38	0.290	0.309
505	2013/04/18 16:40:38	0.291	0.306
506	2013/04/18 16:41:38	0.291	0.303
507	2013/04/18 16:42:38	0.292	0.299
508	2013/04/18 16:43:38	0.292	0.296
509	2013/04/18 16:44:38	0.293	0.292
510	2013/04/18 16:45:38	0.293	0.289
511	2013/04/18 16:46:38	0.294	0.285
512	2013/04/18 16:47:38	0.294	0.282
513	2013/04/18 16:48:38	0.295	0.278
514	2013/04/18 16:49:38	0.295	0.275
515	2013/04/18 16:50:38	0.296	0.271
516	2013/04/18 16:51:38	0.297	0.269
517	2013/04/18 16:52:38	0.297	0.266
518	2013/04/18 16:53:38	0.298	0.263
519	2013/04/18 16:54:38	0.298	0.261

520	2013/04/18 16:55:38	0.299	0.259
521	2013/04/18 16:56:38	0.299	0.258
522	2013/04/18 16:57:38	0.300	0.257
523	2013/04/18 16:58:38	0.300	0.256
524	2013/04/18 16:59:38	0.301	0.256
525	2013/04/18 17:00:38	0.301	0.257
526	2013/04/18 17:01:38	0.302	0.258
527	2013/04/18 17:02:38	0.303	0.259
528	2013/04/18 17:03:38	0.303	0.261
529	2013/04/18 17:04:38	0.304	0.263
530	2013/04/18 17:05:38	0.304	0.264
531	2013/04/18 17:06:38	0.305	0.267
532	2013/04/18 17:07:38	0.305	0.269
533	2013/04/18 17:08:38	0.306	0.272
534	2013/04/18 17:09:38	0.307	0.274
535	2013/04/18 17:10:38	0.307	0.277
536	2013/04/18 17:11:38	0.308	0.279
537	2013/04/18 17:12:38	0.308	0.281
538	2013/04/18 17:13:38	0.309	0.283
539	2013/04/18 17:14:38	0.310	0.284
540	2013/04/18 17:15:38	0.310	0.285
541	2013/04/18 17:16:38	0.311	0.285
542	2013/04/18 17:17:38	0.311	0.286
543	2013/04/18 17:18:38	0.312	0.286
544	2013/04/18 17:19:38	0.313	0.285
545	2013/04/18 17:20:38	0.313	0.284
546	2013/04/18 17:21:38	0.314	0.283
547	2013/04/18 17:22:38	0.314	0.281
548	2013/04/18 17:23:38	0.315	0.279
549	2013/04/18 17:24:38	0.315	0.277
550	2013/04/18 17:25:38	0.316	0.275
551	2013/04/18 17:26:38	0.316	0.272
552	2013/04/18 17:27:38	0.317	0.269
553	2013/04/18 17:28:38	0.317	0.266
554	2013/04/18 17:29:38	0.318	0.263
555	2013/04/18 17:30:38	0.318	0.260
556	2013/04/18 17:31:38	0.319	0.257
557	2013/04/18 17:32:38	0.319	0.254
558	2013/04/18 17:33:38	0.320	0.251
559	2013/04/18 17:34:38	0.320	0.248
560	2013/04/18 17:35:38	0.321	0.245
561	2013/04/18 17:36:38	0.321	0.243
562	2013/04/18 17:37:38	0.322	0.240
563	2013/04/18 17:38:38	0.322	0.237
564	2013/04/18 17:39:38	0.323	0.235
565	2013/04/18 17:40:38	0.323	0.232
566	2013/04/18 17:41:38	0.324	0.230
567	2013/04/18 17:42:38	0.324	0.228
568	2013/04/18 17:43:38	0.324	0.226
569	2013/04/18 17:44:38	0.325	0.224
570	2013/04/18 17:45:38	0.325	0.222
571	2013/04/18 17:46:38	0.326	0.220
572	2013/04/18 17:47:38	0.326	0.218
573	2013/04/18 17:48:38	0.327	0.217

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13/04/19 08:23

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Summary

Unit Name MiniRAE 3000

Unit SN 592-909023

Unit Firmware Ver V1.10C

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/19 08:23:44
End 2013/04/19 10:34:04
Sample Period(s) 60
Number of Records 130

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/15 09:51
Peak 0.285
Min 0.083
Average 0.243

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2013/04/19 08:24:44		0.076	0.083	0.083
002	2013/04/19 08:25:44		0.090	0.096	0.096
003	2013/04/19 08:26:44		0.104	0.112	0.112
004	2013/04/19 08:27:44		0.115	0.122	0.122
005	2013/04/19 08:28:44		0.126	0.131	0.130
006	2013/04/19 08:29:44		0.135	0.139	0.139
007	2013/04/19 08:30:44		0.142	0.144	0.144
008	2013/04/19 08:31:44		0.148	0.155	0.150
009	2013/04/19 08:32:44		0.152	0.156	0.156
010	2013/04/19 08:33:44		0.156	0.158	0.158
011	2013/04/19 08:34:44		0.158	0.161	0.161
012	2013/04/19 08:35:44		0.161	0.162	0.162
013	2013/04/19 08:36:44		0.162	0.164	0.164
014	2013/04/19 08:37:44		0.165	0.171	0.166
015	2013/04/19 08:38:44		0.165	0.167	0.167
016	2013/04/19 08:39:44		0.168	0.171	0.171
017	2013/04/19 08:40:44		0.171	0.176	0.171
018	2013/04/19 08:41:44		0.170	0.177	0.175
019	2013/04/19 08:42:44		0.172	0.175	0.173
020	2013/04/19 08:43:44		0.174	0.177	0.175
021	2013/04/19 08:44:44		0.176	0.178	0.178
022	2013/04/19 08:45:44		0.181	0.188	0.181
023	2013/04/19 08:46:44		0.182	0.184	0.184
024	2013/04/19 08:47:44		0.185	0.187	0.186
025	2013/04/19 08:48:44		0.188	0.191	0.189
026	2013/04/19 08:49:44		0.192	0.199	0.194
027	2013/04/19 08:50:44		0.193	0.200	0.193
028	2013/04/19 08:51:44		0.196	0.201	0.200
029	2013/04/19 08:52:44		0.201	0.204	0.204
030	2013/04/19 08:53:44		0.205	0.209	0.208

031	2013/04/19	08:54:44	0.209	0.212	0.211
032	2013/04/19	08:55:44	0.214	0.220	0.216
033	2013/04/19	08:56:44	0.220	0.231	0.221
034	2013/04/19	08:57:44	0.222	0.227	0.227
035	2013/04/19	08:58:44	0.228	0.241	0.230
036	2013/04/19	08:59:44	0.231	0.233	0.232
037	2013/04/19	09:00:44	0.234	0.236	0.236
038	2013/04/19	09:01:44	0.238	0.240	0.240
039	2013/04/19	09:02:44	0.243	0.246	0.246
040	2013/04/19	09:03:44	0.247	0.250	0.249
041	2013/04/19	09:04:44	0.251	0.255	0.254
042	2013/04/19	09:05:44	0.253	0.261	0.253
043	2013/04/19	09:06:44	0.254	0.257	0.257
044	2013/04/19	09:07:44	0.256	0.259	0.259
045	2013/04/19	09:08:44	0.259	0.261	0.261
046	2013/04/19	09:09:44	0.260	0.266	0.256
047	2013/04/19	09:10:44	0.256	0.258	0.258
048	2013/04/19	09:11:44	0.259	0.262	0.261
049	2013/04/19	09:12:44	0.262	0.265	0.264
050	2013/04/19	09:13:44	0.262	0.265	0.262
051	2013/04/19	09:14:44	0.264	0.266	0.266
052	2013/04/19	09:15:44	0.266	0.267	0.267
053	2013/04/19	09:16:44	0.266	0.268	0.267
054	2013/04/19	09:17:44	0.267	0.269	0.268
055	2013/04/19	09:18:44	0.270	0.274	0.270
056	2013/04/19	09:19:44	0.270	0.275	0.275
057	2013/04/19	09:20:44	0.272	0.274	0.274
058	2013/04/19	09:21:44	0.274	0.275	0.275
059	2013/04/19	09:22:44	0.276	0.279	0.278
060	2013/04/19	09:23:44	0.277	0.281	0.277
061	2013/04/19	09:24:44	0.278	0.282	0.279
062	2013/04/19	09:25:44	0.279	0.280	0.280
063	2013/04/19	09:26:44	0.280	0.281	0.280
064	2013/04/19	09:27:44	0.278	0.279	0.278
065	2013/04/19	09:28:44	0.278	0.279	0.279
066	2013/04/19	09:29:44	0.278	0.279	0.278
067	2013/04/19	09:30:44	0.276	0.278	0.277
068	2013/04/19	09:31:44	0.276	0.278	0.276
069	2013/04/19	09:32:44	0.276	0.277	0.275
070	2013/04/19	09:33:44	0.276	0.278	0.276
071	2013/04/19	09:34:44	0.276	0.278	0.277
072	2013/04/19	09:35:44	0.277	0.278	0.278
073	2013/04/19	09:36:44	0.277	0.278	0.276
074	2013/04/19	09:37:44	0.276	0.278	0.275
075	2013/04/19	09:38:44	0.275	0.281	0.274
076	2013/04/19	09:39:44	0.273	0.274	0.274
077	2013/04/19	09:40:44	0.273	0.275	0.274
078	2013/04/19	09:41:44	0.273	0.275	0.273
079	2013/04/19	09:42:44	0.273	0.281	0.277
080	2013/04/19	09:43:44	0.271	0.276	0.270
081	2013/04/19	09:44:44	0.270	0.272	0.270
082	2013/04/19	09:45:44	0.270	0.294	0.285
083	2013/04/19	09:46:44	0.269	0.276	0.270
084	2013/04/19	09:47:44	0.269	0.296	0.268
085	2013/04/19	09:48:44	0.268	0.270	0.266
086	2013/04/19	09:49:44	0.266	0.267	0.267
087	2013/04/19	09:50:44	0.266	0.268	0.266
088	2013/04/19	09:51:44	0.265	0.269	0.268
089	2013/04/19	09:52:44	0.264	0.266	0.264
090	2013/04/19	09:53:44	0.265	0.283	0.264
091	2013/04/19	09:54:44	0.263	0.264	0.264
092	2013/04/19	09:55:44	0.263	0.267	0.262
093	2013/04/19	09:56:44	0.262	0.264	0.263

094	2013/04/19 09:57:44	0.264	0.272	0.263
095	2013/04/19 09:58:44	0.263	0.267	0.264
096	2013/04/19 09:59:44	0.267	0.271	0.270
097	2013/04/19 10:00:44	0.267	0.270	0.264
098	2013/04/19 10:01:44	0.263	0.267	0.264
099	2013/04/19 10:02:44	0.265	0.272	0.264
100	2013/04/19 10:03:44	0.264	0.266	0.265
101	2013/04/19 10:04:44	0.265	0.268	0.264
102	2013/04/19 10:05:44	0.264	0.266	0.266
103	2013/04/19 10:06:44	0.266	0.270	0.270
104	2013/04/19 10:07:44	0.266	0.272	0.266
105	2013/04/19 10:08:44	0.265	0.268	0.266
106	2013/04/19 10:09:44	0.266	0.269	0.267
107	2013/04/19 10:10:44	0.267	0.271	0.269
108	2013/04/19 10:11:44	0.267	0.272	0.267
109	2013/04/19 10:12:44	0.268	0.271	0.268
110	2013/04/19 10:13:44	0.270	0.275	0.269
111	2013/04/19 10:14:44	0.270	0.272	0.270
112	2013/04/19 10:15:44	0.271	0.273	0.272
113	2013/04/19 10:16:44	0.274	0.289	0.282
114	2013/04/19 10:17:44	0.276	0.283	0.277
115	2013/04/19 10:18:44	0.274	0.278	0.277
116	2013/04/19 10:19:44	0.275	0.278	0.275
117	2013/04/19 10:20:44	0.276	0.280	0.279
118	2013/04/19 10:21:44	0.279	0.283	0.281
119	2013/04/19 10:22:44	0.283	0.308	0.281
120	2013/04/19 10:23:44	0.281	0.282	0.282
121	2013/04/19 10:24:44	0.282	0.283	0.283
122	2013/04/19 10:25:44	0.282	0.284	0.283
123	2013/04/19 10:26:44	0.282	0.283	0.282
124	2013/04/19 10:27:44	0.282	0.283	0.283
125	2013/04/19 10:28:44	0.281	0.283	0.282
126	2013/04/19 10:29:44	0.282	0.283	0.282
127	2013/04/19 10:30:44	0.282	0.283	0.281
128	2013/04/19 10:31:44	0.282	0.293	0.279
129	2013/04/19 10:32:44	0.279	0.281	0.280
130	2013/04/19 10:33:44	0.278	0.280	0.277
Peak		0.283	0.308	0.285
Min		0.076	0.083	0.083
Average		0.242	0.246	0.243

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/19 08:24:44	0.000	---
002	2013/04/19 08:25:44	0.000	---
003	2013/04/19 08:26:44	0.001	---
004	2013/04/19 08:27:44	0.001	---
005	2013/04/19 08:28:44	0.001	---
006	2013/04/19 08:29:44	0.001	---
007	2013/04/19 08:30:44	0.002	---
008	2013/04/19 08:31:44	0.002	---
009	2013/04/19 08:32:44	0.002	---
010	2013/04/19 08:33:44	0.003	---
011	2013/04/19 08:34:44	0.003	---
012	2013/04/19 08:35:44	0.003	---
013	2013/04/19 08:36:44	0.004	---
014	2013/04/19 08:37:44	0.004	---
015	2013/04/19 08:38:44	0.004	0.141
016	2013/04/19 08:39:44	0.005	0.147
017	2013/04/19 08:40:44	0.005	0.152
018	2013/04/19 08:41:44	0.005	0.156

019	2013/04/19	08:42:44	0.006	0.159
020	2013/04/19	08:43:44	0.006	0.162
021	2013/04/19	08:44:44	0.007	0.165
022	2013/04/19	08:45:44	0.007	0.167
023	2013/04/19	08:46:44	0.007	0.169
024	2013/04/19	08:47:44	0.008	0.171
025	2013/04/19	08:48:44	0.008	0.174
026	2013/04/19	08:49:44	0.009	0.176
027	2013/04/19	08:50:44	0.009	0.178
028	2013/04/19	08:51:44	0.009	0.180
029	2013/04/19	08:52:44	0.010	0.183
030	2013/04/19	08:53:44	0.010	0.185
031	2013/04/19	08:54:44	0.011	0.188
032	2013/04/19	08:55:44	0.011	0.191
033	2013/04/19	08:56:44	0.012	0.194
034	2013/04/19	08:57:44	0.012	0.198
035	2013/04/19	08:58:44	0.012	0.201
036	2013/04/19	08:59:44	0.013	0.205
037	2013/04/19	09:00:44	0.013	0.209
038	2013/04/19	09:01:44	0.014	0.212
039	2013/04/19	09:02:44	0.014	0.216
040	2013/04/19	09:03:44	0.015	0.220
041	2013/04/19	09:04:44	0.016	0.224
042	2013/04/19	09:05:44	0.016	0.228
043	2013/04/19	09:06:44	0.017	0.232
044	2013/04/19	09:07:44	0.017	0.236
045	2013/04/19	09:08:44	0.018	0.239
046	2013/04/19	09:09:44	0.018	0.242
047	2013/04/19	09:10:44	0.019	0.245
048	2013/04/19	09:11:44	0.019	0.248
049	2013/04/19	09:12:44	0.020	0.250
050	2013/04/19	09:13:44	0.020	0.253
051	2013/04/19	09:14:44	0.021	0.255
052	2013/04/19	09:15:44	0.021	0.257
053	2013/04/19	09:16:44	0.022	0.259
054	2013/04/19	09:17:44	0.023	0.260
055	2013/04/19	09:18:44	0.023	0.262
056	2013/04/19	09:19:44	0.024	0.263
057	2013/04/19	09:20:44	0.024	0.264
058	2013/04/19	09:21:44	0.025	0.266
059	2013/04/19	09:22:44	0.025	0.267
060	2013/04/19	09:23:44	0.026	0.268
061	2013/04/19	09:24:44	0.027	0.269
062	2013/04/19	09:25:44	0.027	0.271
063	2013/04/19	09:26:44	0.028	0.272
064	2013/04/19	09:27:44	0.028	0.273
065	2013/04/19	09:28:44	0.029	0.274
066	2013/04/19	09:29:44	0.030	0.275
067	2013/04/19	09:30:44	0.030	0.276
068	2013/04/19	09:31:44	0.031	0.276
069	2013/04/19	09:32:44	0.031	0.277
070	2013/04/19	09:33:44	0.032	0.277
071	2013/04/19	09:34:44	0.032	0.277
072	2013/04/19	09:35:44	0.033	0.278
073	2013/04/19	09:36:44	0.034	0.278
074	2013/04/19	09:37:44	0.034	0.277
075	2013/04/19	09:38:44	0.035	0.277
076	2013/04/19	09:39:44	0.035	0.277
077	2013/04/19	09:40:44	0.036	0.276
078	2013/04/19	09:41:44	0.036	0.276
079	2013/04/19	09:42:44	0.037	0.276
080	2013/04/19	09:43:44	0.038	0.275
081	2013/04/19	09:44:44	0.038	0.275

082	2013/04/19 09:45:44	0.039	0.275
083	2013/04/19 09:46:44	0.039	0.275
084	2013/04/19 09:47:44	0.040	0.274
085	2013/04/19 09:48:44	0.040	0.274
086	2013/04/19 09:49:44	0.041	0.273
087	2013/04/19 09:50:44	0.041	0.272
088	2013/04/19 09:51:44	0.042	0.272
089	2013/04/19 09:52:44	0.043	0.271
090	2013/04/19 09:53:44	0.043	0.270
091	2013/04/19 09:54:44	0.044	0.270
092	2013/04/19 09:55:44	0.044	0.269
093	2013/04/19 09:56:44	0.045	0.268
094	2013/04/19 09:57:44	0.045	0.267
095	2013/04/19 09:58:44	0.046	0.267
096	2013/04/19 09:59:44	0.046	0.267
097	2013/04/19 10:00:44	0.047	0.266
098	2013/04/19 10:01:44	0.048	0.265
099	2013/04/19 10:02:44	0.048	0.265
100	2013/04/19 10:03:44	0.049	0.265
101	2013/04/19 10:04:44	0.049	0.265
102	2013/04/19 10:05:44	0.050	0.265
103	2013/04/19 10:06:44	0.050	0.265
104	2013/04/19 10:07:44	0.051	0.265
105	2013/04/19 10:08:44	0.051	0.265
106	2013/04/19 10:09:44	0.052	0.265
107	2013/04/19 10:10:44	0.053	0.266
108	2013/04/19 10:11:44	0.053	0.266
109	2013/04/19 10:12:44	0.054	0.266
110	2013/04/19 10:13:44	0.054	0.267
111	2013/04/19 10:14:44	0.055	0.267
112	2013/04/19 10:15:44	0.055	0.267
113	2013/04/19 10:16:44	0.056	0.268
114	2013/04/19 10:17:44	0.057	0.269
115	2013/04/19 10:18:44	0.057	0.270
116	2013/04/19 10:19:44	0.058	0.271
117	2013/04/19 10:20:44	0.058	0.272
118	2013/04/19 10:21:44	0.059	0.272
119	2013/04/19 10:22:44	0.059	0.273
120	2013/04/19 10:23:44	0.060	0.274
121	2013/04/19 10:24:44	0.061	0.275
122	2013/04/19 10:25:44	0.061	0.276
123	2013/04/19 10:26:44	0.062	0.277
124	2013/04/19 10:27:44	0.062	0.278
125	2013/04/19 10:28:44	0.063	0.279
126	2013/04/19 10:29:44	0.064	0.280
127	2013/04/19 10:30:44	0.064	0.281
128	2013/04/19 10:31:44	0.065	0.280
129	2013/04/19 10:32:44	0.065	0.281
130	2013/04/19 10:33:44	0.066	0.281

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13/04/22 08:17

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Summary

Unit Name MiniRAE 3000

Unit SN 592-909023

Unit Firmware Ver V1.10C

Running Mode Hygiene Mode

Measure Type Avg; Max; Real

Datalog Mode Continuous

Datalog Type Manual

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/22 08:17:53
End 2013/04/22 17:35:48
Sample Period(s) 60
Number of Records 557

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/22 08:17
Peak 0.597
Min 0.026
Average 0.387

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2013/04/22 08:18:53	0.028	0.052	0.026	
002	2013/04/22 08:19:53	0.032	0.041	0.041	
003	2013/04/22 08:20:53	0.049	0.063	0.063	
004	2013/04/22 08:21:53	0.071	0.079	0.079	
005	2013/04/22 08:22:53	0.083	0.100	0.100	
006	2013/04/22 08:23:53	0.104	0.107	0.106	
007	2013/04/22 08:24:53	0.114	0.119	0.119	
008	2013/04/22 08:25:53	0.120	0.123	0.122	
009	2013/04/22 08:26:53	0.128	0.135	0.132	
010	2013/04/22 08:27:53	0.136	0.142	0.141	
011	2013/04/22 08:28:53	0.143	0.145	0.143	
012	2013/04/22 08:29:53	0.146	0.150	0.150	
013	2013/04/22 08:30:53	0.151	0.155	0.152	
014	2013/04/22 08:31:53	0.153	0.156	0.156	
015	2013/04/22 08:32:53	0.150	0.158	0.156	
016	2013/04/22 08:33:53	0.160	0.166	0.160	
017	2013/04/22 08:34:53	0.162	0.167	0.166	
018	2013/04/22 08:35:53	0.167	0.172	0.168	
019	2013/04/22 08:36:53	0.170	0.179	0.179	
020	2013/04/22 08:37:53	0.177	0.180	0.176	
021	2013/04/22 08:38:53	0.178	0.186	0.182	
022	2013/04/22 08:39:53	0.179	0.182	0.180	
023	2013/04/22 08:40:53	0.170	0.181	0.179	
024	2013/04/22 08:41:53	0.182	0.189	0.189	
025	2013/04/22 08:42:53	0.188	0.193	0.192	
026	2013/04/22 08:43:53	0.190	0.196	0.196	
027	2013/04/22 08:44:53	0.193	0.198	0.198	
028	2013/04/22 08:45:53	0.197	0.203	0.197	
029	2013/04/22 08:46:53	0.204	0.208	0.204	
030	2013/04/22 08:47:53	0.203	0.208	0.204	
031	2013/04/22 08:48:53	0.202	0.207	0.206	
032	2013/04/22 08:49:53	0.201	0.211	0.200	
033	2013/04/22 08:50:53	0.205	0.219	0.210	
034	2013/04/22 08:51:53	0.202	0.215	0.211	
035	2013/04/22 08:52:53	0.213	0.223	0.188	

036	2013/04/22	08:53:53	0.206	0.218	0.215
037	2013/04/22	08:54:53	0.218	0.225	0.220
038	2013/04/22	08:55:53	0.220	0.226	0.221
039	2013/04/22	08:56:53	0.224	0.234	0.228
040	2013/04/22	08:57:53	0.227	0.232	0.227
041	2013/04/22	08:58:53	0.223	0.232	0.232
042	2013/04/22	08:59:53	0.227	0.232	0.231
043	2013/04/22	09:00:53	0.236	0.242	0.237
044	2013/04/22	09:01:53	0.237	0.241	0.239
045	2013/04/22	09:02:53	0.238	0.245	0.240
046	2013/04/22	09:03:53	0.218	0.244	0.243
047	2013/04/22	09:04:53	0.243	0.249	0.245
048	2013/04/22	09:05:53	0.246	0.253	0.248
049	2013/04/22	09:06:53	0.249	0.258	0.258
050	2013/04/22	09:07:53	0.253	0.259	0.254
051	2013/04/22	09:08:53	0.248	0.258	0.252
052	2013/04/22	09:09:53	0.256	0.263	0.258
053	2013/04/22	09:10:53	0.256	0.262	0.247
054	2013/04/22	09:11:53	0.257	0.267	0.260
055	2013/04/22	09:12:53	0.264	0.271	0.271
056	2013/04/22	09:13:53	0.261	0.273	0.229
057	2013/04/22	09:14:53	0.267	0.275	0.275
058	2013/04/22	09:15:53	0.272	0.278	0.269
059	2013/04/22	09:16:53	0.293	0.327	0.311
060	2013/04/22	09:17:53	0.291	0.318	0.284
061	2013/04/22	09:18:53	0.289	0.294	0.290
062	2013/04/22	09:19:53	0.285	0.295	0.279
063	2013/04/22	09:20:53	0.281	0.293	0.271
064	2013/04/22	09:21:53	0.286	0.293	0.291
065	2013/04/22	09:22:53	0.289	0.294	0.290
066	2013/04/22	09:23:53	0.289	0.296	0.291
067	2013/04/22	09:24:53	0.292	0.299	0.297
068	2013/04/22	09:25:53	0.292	0.297	0.294
069	2013/04/22	09:26:53	0.298	0.308	0.300
070	2013/04/22	09:27:53	0.299	0.304	0.295
071	2013/04/22	09:28:53	0.294	0.307	0.306
072	2013/04/22	09:29:53	0.270	0.304	0.292
073	2013/04/22	09:30:53	0.285	0.303	0.303
074	2013/04/22	09:31:53	0.303	0.315	0.313
075	2013/04/22	09:32:53	0.307	0.312	0.312
076	2013/04/22	09:33:53	0.313	0.323	0.320
077	2013/04/22	09:34:53	0.317	0.324	0.316
078	2013/04/22	09:35:53	0.314	0.325	0.313
079	2013/04/22	09:36:53	0.318	0.326	0.323
080	2013/04/22	09:37:53	0.315	0.325	0.315
081	2013/04/22	09:38:53	0.316	0.319	0.316
082	2013/04/22	09:39:53	0.316	0.324	0.319
083	2013/04/22	09:40:53	0.321	0.329	0.328
084	2013/04/22	09:41:53	0.319	0.326	0.320
085	2013/04/22	09:42:53	0.322	0.334	0.334
086	2013/04/22	09:43:53	0.324	0.334	0.324
087	2013/04/22	09:44:53	0.322	0.328	0.318
088	2013/04/22	09:45:53	0.327	0.336	0.316
089	2013/04/22	09:46:53	0.327	0.337	0.327
090	2013/04/22	09:47:53	0.310	0.334	0.281
091	2013/04/22	09:48:53	0.312	0.330	0.328
092	2013/04/22	09:49:53	0.329	0.337	0.335
093	2013/04/22	09:50:53	0.325	0.339	0.329
094	2013/04/22	09:51:53	0.327	0.332	0.329
095	2013/04/22	09:52:53	0.331	0.338	0.330
096	2013/04/22	09:53:53	0.335	0.345	0.338
097	2013/04/22	09:54:53	0.329	0.343	0.335
098	2013/04/22	09:55:53	0.337	0.340	0.338

099	2013/04/22	09:56:53	0.342	0.353	0.347
100	2013/04/22	09:57:53	0.345	0.353	0.353
101	2013/04/22	09:58:53	0.347	0.352	0.344
102	2013/04/22	09:59:53	0.343	0.345	0.345
103	2013/04/22	10:00:53	0.335	0.350	0.350
104	2013/04/22	10:01:53	0.340	0.353	0.323
105	2013/04/22	10:02:53	0.343	0.365	0.363
106	2013/04/22	10:03:53	0.357	0.361	0.358
107	2013/04/22	10:04:53	0.359	0.369	0.361
108	2013/04/22	10:05:53	0.355	0.367	0.358
109	2013/04/22	10:06:53	0.352	0.363	0.296
110	2013/04/22	10:07:53	0.334	0.362	0.316
111	2013/04/22	10:08:53	0.358	0.369	0.365
112	2013/04/22	10:09:53	0.374	0.383	0.373
113	2013/04/22	10:10:53	0.374	0.386	0.386
114	2013/04/22	10:11:53	0.374	0.388	0.378
115	2013/04/22	10:12:53	0.384	0.395	0.388
116	2013/04/22	10:13:53	0.387	0.397	0.384
117	2013/04/22	10:14:53	0.382	0.393	0.335
118	2013/04/22	10:15:53	0.375	0.393	0.388
119	2013/04/22	10:16:53	0.366	0.397	0.388
120	2013/04/22	10:17:53	0.393	0.405	0.402
121	2013/04/22	10:18:53	0.390	0.403	0.383
122	2013/04/22	10:19:53	0.366	0.397	0.391
123	2013/04/22	10:20:53	0.383	0.396	0.395
124	2013/04/22	10:21:53	0.400	0.407	0.401
125	2013/04/22	10:22:53	0.402	0.409	0.403
126	2013/04/22	10:23:53	0.382	0.402	0.395
127	2013/04/22	10:24:53	0.408	0.414	0.412
128	2013/04/22	10:25:53	0.400	0.412	0.370
129	2013/04/22	10:26:53	0.387	0.408	0.355
130	2013/04/22	10:27:53	0.400	0.409	0.402
131	2013/04/22	10:28:53	0.410	0.423	0.407
132	2013/04/22	10:29:53	0.405	0.411	0.406
133	2013/04/22	10:30:53	0.406	0.413	0.404
134	2013/04/22	10:31:53	0.405	0.413	0.406
135	2013/04/22	10:32:53	0.404	0.413	0.407
136	2013/04/22	10:33:53	0.399	0.415	0.406
137	2013/04/22	10:34:53	0.404	0.411	0.404
138	2013/04/22	10:35:53	0.384	0.416	0.329
139	2013/04/22	10:36:53	0.385	0.407	0.406
140	2013/04/22	10:37:53	0.402	0.424	0.404
141	2013/04/22	10:38:53	0.411	0.423	0.413
142	2013/04/22	10:39:53	0.413	0.417	0.411
143	2013/04/22	10:40:53	0.390	0.426	0.399
144	2013/04/22	10:41:53	0.410	0.416	0.414
145	2013/04/22	10:42:53	0.406	0.417	0.409
146	2013/04/22	10:43:53	0.411	0.424	0.406
147	2013/04/22	10:44:53	0.405	0.421	0.416
148	2013/04/22	10:45:53	0.419	0.434	0.412
149	2013/04/22	10:46:53	0.403	0.420	0.417
150	2013/04/22	10:47:53	0.409	0.422	0.356
151	2013/04/22	10:48:53	0.407	0.423	0.418
152	2013/04/22	10:49:53	0.418	0.430	0.419
153	2013/04/22	10:50:53	0.410	0.423	0.393
154	2013/04/22	10:51:53	0.412	0.426	0.416
155	2013/04/22	10:52:53	0.371	0.428	0.366
156	2013/04/22	10:53:53	0.401	0.422	0.416
157	2013/04/22	10:54:53	0.401	0.419	0.395
158	2013/04/22	10:55:53	0.390	0.420	0.420
159	2013/04/22	10:56:53	0.390	0.423	0.407
160	2013/04/22	10:57:53	0.420	0.438	0.438
161	2013/04/22	10:58:53	0.421	0.438	0.423

162	2013/04/22	10:59:53	0.422	0.435	0.410
163	2013/04/22	11:00:53	0.417	0.425	0.417
164	2013/04/22	11:01:53	0.413	0.428	0.413
165	2013/04/22	11:02:53	0.409	0.421	0.416
166	2013/04/22	11:03:53	0.409	0.423	0.324
167	2013/04/22	11:04:53	0.382	0.409	0.409
168	2013/04/22	11:05:53	0.404	0.414	0.400
169	2013/04/22	11:06:53	0.407	0.416	0.404
170	2013/04/22	11:07:53	0.398	0.415	0.401
171	2013/04/22	11:08:53	0.392	0.413	0.408
172	2013/04/22	11:09:53	0.405	0.414	0.406
173	2013/04/22	11:10:53	0.403	0.414	0.409
174	2013/04/22	11:11:53	0.386	0.410	0.395
175	2013/04/22	11:12:53	0.382	0.400	0.395
176	2013/04/22	11:13:53	0.391	0.402	0.321
177	2013/04/22	11:14:53	0.357	0.390	0.359
178	2013/04/22	11:15:53	0.389	0.409	0.409
179	2013/04/22	11:16:53	0.392	0.408	0.391
180	2013/04/22	11:17:53	0.393	0.399	0.386
181	2013/04/22	11:18:53	0.393	0.398	0.395
182	2013/04/22	11:19:53	0.396	0.405	0.394
183	2013/04/22	11:20:53	0.397	0.408	0.383
184	2013/04/22	11:21:53	0.378	0.397	0.389
185	2013/04/22	11:22:53	0.390	0.397	0.395
186	2013/04/22	11:23:53	0.394	0.400	0.400
187	2013/04/22	11:24:53	0.395	0.401	0.397
188	2013/04/22	11:25:53	0.387	0.405	0.361
189	2013/04/22	11:26:53	0.389	0.402	0.391
190	2013/04/22	11:27:53	0.394	0.404	0.404
191	2013/04/22	11:28:53	0.395	0.407	0.386
192	2013/04/22	11:29:53	0.373	0.393	0.389
193	2013/04/22	11:30:53	0.386	0.393	0.393
194	2013/04/22	11:31:53	0.383	0.394	0.385
195	2013/04/22	11:32:53	0.379	0.396	0.365
196	2013/04/22	11:33:53	0.390	0.410	0.404
197	2013/04/22	11:34:53	0.387	0.406	0.391
198	2013/04/22	11:35:53	0.380	0.393	0.392
199	2013/04/22	11:36:53	0.381	0.408	0.403
200	2013/04/22	11:37:53	0.405	0.412	0.404
201	2013/04/22	11:38:53	0.389	0.405	0.382
202	2013/04/22	11:39:53	0.391	0.399	0.397
203	2013/04/22	11:40:53	0.398	0.407	0.399
204	2013/04/22	11:41:53	0.399	0.411	0.397
205	2013/04/22	11:42:53	0.379	0.399	0.343
206	2013/04/22	11:43:53	0.365	0.403	0.367
207	2013/04/22	11:44:53	0.386	0.412	0.337
208	2013/04/22	11:45:53	0.389	0.409	0.398
209	2013/04/22	11:46:53	0.404	0.415	0.398
210	2013/04/22	11:47:53	0.406	0.417	0.401
211	2013/04/22	11:48:53	0.401	0.409	0.401
212	2013/04/22	11:49:53	0.393	0.401	0.390
213	2013/04/22	11:50:53	0.394	0.404	0.396
214	2013/04/22	11:51:53	0.400	0.410	0.390
215	2013/04/22	11:52:53	0.389	0.395	0.393
216	2013/04/22	11:53:53	0.396	0.407	0.399
217	2013/04/22	11:54:53	0.387	0.400	0.386
218	2013/04/22	11:55:53	0.359	0.402	0.380
219	2013/04/22	11:56:53	0.385	0.391	0.388
220	2013/04/22	11:57:53	0.390	0.398	0.390
221	2013/04/22	11:58:53	0.391	0.401	0.377
222	2013/04/22	11:59:53	0.358	0.396	0.374
223	2013/04/22	12:00:53	0.390	0.405	0.396
224	2013/04/22	12:01:53	0.386	0.395	0.388

225	2013/04/22	12:02:53	0.374	0.399	0.393
226	2013/04/22	12:03:53	0.386	0.402	0.386
227	2013/04/22	12:04:53	0.385	0.402	0.394
228	2013/04/22	12:05:53	0.387	0.405	0.387
229	2013/04/22	12:06:53	0.348	0.401	0.380
230	2013/04/22	12:07:53	0.374	0.401	0.366
231	2013/04/22	12:08:53	0.360	0.393	0.391
232	2013/04/22	12:09:53	0.397	0.411	0.381
233	2013/04/22	12:10:53	0.361	0.385	0.318
234	2013/04/22	12:11:53	0.362	0.401	0.398
235	2013/04/22	12:12:53	0.393	0.411	0.402
236	2013/04/22	12:13:53	0.383	0.400	0.399
237	2013/04/22	12:14:53	0.395	0.404	0.400
238	2013/04/22	12:15:53	0.383	0.406	0.354
239	2013/04/22	12:16:53	0.373	0.404	0.389
240	2013/04/22	12:17:53	0.397	0.408	0.407
241	2013/04/22	12:18:53	0.392	0.408	0.385
242	2013/04/22	12:19:53	0.394	0.404	0.403
243	2013/04/22	12:20:53	0.377	0.407	0.389
244	2013/04/22	12:21:53	0.399	0.410	0.400
245	2013/04/22	12:22:53	0.389	0.400	0.306
246	2013/04/22	12:23:53	0.363	0.399	0.393
247	2013/04/22	12:24:53	0.384	0.406	0.403
248	2013/04/22	12:25:53	0.401	0.412	0.399
249	2013/04/22	12:26:53	0.397	0.401	0.399
250	2013/04/22	12:27:53	0.397	0.409	0.399
251	2013/04/22	12:28:53	0.390	0.404	0.369
252	2013/04/22	12:29:53	0.393	0.399	0.397
253	2013/04/22	12:30:53	0.376	0.407	0.403
254	2013/04/22	12:31:53	0.396	0.407	0.399
255	2013/04/22	12:32:53	0.345	0.396	0.376
256	2013/04/22	12:33:53	0.388	0.406	0.382
257	2013/04/22	12:34:53	0.345	0.390	0.382
258	2013/04/22	12:35:53	0.372	0.409	0.381
259	2013/04/22	12:36:53	0.399	0.413	0.413
260	2013/04/22	12:37:53	0.413	0.422	0.416
261	2013/04/22	12:38:53	0.398	0.416	0.409
262	2013/04/22	12:39:53	0.352	0.408	0.391
263	2013/04/22	12:40:53	0.359	0.409	0.355
264	2013/04/22	12:41:53	0.376	0.405	0.380
265	2013/04/22	12:42:53	0.406	0.422	0.391
266	2013/04/22	12:43:53	0.381	0.410	0.409
267	2013/04/22	12:44:53	0.396	0.408	0.406
268	2013/04/22	12:45:53	0.412	0.422	0.412
269	2013/04/22	12:46:53	0.381	0.412	0.407
270	2013/04/22	12:47:53	0.403	0.408	0.407
271	2013/04/22	12:48:53	0.408	0.422	0.409
272	2013/04/22	12:49:53	0.401	0.413	0.413
273	2013/04/22	12:50:53	0.414	0.420	0.414
274	2013/04/22	12:51:53	0.417	0.428	0.419
275	2013/04/22	12:52:53	0.400	0.424	0.402
276	2013/04/22	12:53:53	0.428	0.447	0.429
277	2013/04/22	12:54:53	0.413	0.435	0.424
278	2013/04/22	12:55:53	0.427	0.434	0.433
279	2013/04/22	12:56:53	0.439	0.450	0.433
280	2013/04/22	12:57:53	0.432	0.436	0.428
281	2013/04/22	12:58:53	0.432	0.447	0.433
282	2013/04/22	12:59:53	0.426	0.439	0.426
283	2013/04/22	13:00:53	0.413	0.438	0.409
284	2013/04/22	13:01:53	0.423	0.444	0.425
285	2013/04/22	13:02:53	0.428	0.452	0.405
286	2013/04/22	13:03:53	0.411	0.445	0.445
287	2013/04/22	13:04:53	0.445	0.457	0.439

288	2013/04/22	13:05:53	0.456	0.465	0.463
289	2013/04/22	13:06:53	0.450	0.461	0.449
290	2013/04/22	13:07:53	0.438	0.454	0.440
291	2013/04/22	13:08:53	0.441	0.460	0.404
292	2013/04/22	13:09:53	0.405	0.444	0.363
293	2013/04/22	13:10:53	0.434	0.455	0.434
294	2013/04/22	13:11:53	0.434	0.447	0.440
295	2013/04/22	13:12:53	0.436	0.443	0.442
296	2013/04/22	13:13:53	0.442	0.454	0.453
297	2013/04/22	13:14:53	0.442	0.456	0.442
298	2013/04/22	13:15:53	0.438	0.444	0.438
299	2013/04/22	13:16:53	0.427	0.455	0.433
300	2013/04/22	13:17:53	0.431	0.454	0.454
301	2013/04/22	13:18:53	0.430	0.460	0.426
302	2013/04/22	13:19:53	0.428	0.439	0.402
303	2013/04/22	13:20:53	0.391	0.440	0.434
304	2013/04/22	13:21:53	0.438	0.452	0.443
305	2013/04/22	13:22:53	0.442	0.446	0.441
306	2013/04/22	13:23:53	0.443	0.455	0.437
307	2013/04/22	13:24:53	0.415	0.447	0.425
308	2013/04/22	13:25:53	0.404	0.443	0.432
309	2013/04/22	13:26:53	0.386	0.444	0.414
310	2013/04/22	13:27:53	0.437	0.452	0.445
311	2013/04/22	13:28:53	0.443	0.446	0.444
312	2013/04/22	13:29:53	0.444	0.452	0.444
313	2013/04/22	13:30:53	0.437	0.444	0.415
314	2013/04/22	13:31:53	0.417	0.439	0.414
315	2013/04/22	13:32:53	0.412	0.435	0.435
316	2013/04/22	13:33:53	0.435	0.445	0.428
317	2013/04/22	13:34:53	0.436	0.449	0.438
318	2013/04/22	13:35:53	0.427	0.454	0.424
319	2013/04/22	13:36:53	0.421	0.444	0.436
320	2013/04/22	13:37:53	0.437	0.448	0.434
321	2013/04/22	13:38:53	0.429	0.439	0.420
322	2013/04/22	13:39:53	0.417	0.439	0.368
323	2013/04/22	13:40:53	0.387	0.424	0.424
324	2013/04/22	13:41:53	0.419	0.432	0.380
325	2013/04/22	13:42:53	0.412	0.421	0.411
326	2013/04/22	13:43:53	0.402	0.423	0.422
327	2013/04/22	13:44:53	0.406	0.419	0.394
328	2013/04/22	13:45:53	0.400	0.410	0.404
329	2013/04/22	13:46:53	0.400	0.407	0.396
330	2013/04/22	13:47:53	0.395	0.398	0.395
331	2013/04/22	13:48:53	0.356	0.395	0.395
332	2013/04/22	13:49:53	0.393	0.399	0.398
333	2013/04/22	13:50:53	0.394	0.407	0.391
334	2013/04/22	13:51:53	0.370	0.394	0.258
335	2013/04/22	13:52:53	0.351	0.395	0.395
336	2013/04/22	13:53:53	0.398	0.411	0.401
337	2013/04/22	13:54:53	0.402	0.416	0.397
338	2013/04/22	13:55:53	0.394	0.403	0.392
339	2013/04/22	13:56:53	0.394	0.406	0.381
340	2013/04/22	13:57:53	0.391	0.411	0.394
341	2013/04/22	13:58:53	0.365	0.398	0.387
342	2013/04/22	13:59:53	0.395	0.407	0.398
343	2013/04/22	14:00:53	0.394	0.408	0.369
344	2013/04/22	14:01:53	0.383	0.419	0.415
345	2013/04/22	14:02:53	0.418	0.430	0.407
346	2013/04/22	14:03:53	0.417	0.434	0.429
347	2013/04/22	14:04:53	0.425	0.439	0.420
348	2013/04/22	14:05:53	0.418	0.429	0.425
349	2013/04/22	14:06:53	0.419	0.427	0.412
350	2013/04/22	14:07:53	0.421	0.428	0.417

351	2013/04/22	14:08:53	0.415	0.424	0.393
352	2013/04/22	14:09:53	0.380	0.426	0.426
353	2013/04/22	14:10:53	0.413	0.438	0.438
354	2013/04/22	14:11:53	0.427	0.440	0.431
355	2013/04/22	14:12:53	0.430	0.434	0.434
356	2013/04/22	14:13:53	0.430	0.437	0.416
357	2013/04/22	14:14:53	0.436	0.451	0.406
358	2013/04/22	14:15:53	0.410	0.442	0.439
359	2013/04/22	14:16:53	0.440	0.454	0.439
360	2013/04/22	14:17:53	0.442	0.453	0.446
361	2013/04/22	14:18:53	0.438	0.446	0.424
362	2013/04/22	14:19:53	0.429	0.434	0.433
363	2013/04/22	14:20:53	0.425	0.437	0.394
364	2013/04/22	14:21:53	0.402	0.433	0.414
365	2013/04/22	14:22:53	0.413	0.439	0.433
366	2013/04/22	14:23:53	0.427	0.443	0.443
367	2013/04/22	14:24:53	0.449	0.457	0.452
368	2013/04/22	14:25:53	0.445	0.461	0.450
369	2013/04/22	14:26:53	0.446	0.455	0.448
370	2013/04/22	14:27:53	0.450	0.463	0.456
371	2013/04/22	14:28:53	0.447	0.463	0.455
372	2013/04/22	14:29:53	0.448	0.460	0.459
373	2013/04/22	14:30:53	0.445	0.463	0.444
374	2013/04/22	14:31:53	0.431	0.461	0.442
375	2013/04/22	14:32:53	0.428	0.453	0.422
376	2013/04/22	14:33:53	0.440	0.454	0.454
377	2013/04/22	14:34:53	0.446	0.470	0.459
378	2013/04/22	14:35:53	0.456	0.478	0.390
379	2013/04/22	14:36:53	0.429	0.460	0.459
380	2013/04/22	14:37:53	0.462	0.473	0.469
381	2013/04/22	14:38:53	0.481	0.493	0.481
382	2013/04/22	14:39:53	0.450	0.498	0.428
383	2013/04/22	14:40:53	0.478	0.503	0.496
384	2013/04/22	14:41:53	0.515	0.526	0.521
385	2013/04/22	14:42:53	0.496	0.528	0.519
386	2013/04/22	14:43:53	0.514	0.523	0.502
387	2013/04/22	14:44:53	0.499	0.518	0.512
388	2013/04/22	14:45:53	0.499	0.517	0.511
389	2013/04/22	14:46:53	0.514	0.534	0.533
390	2013/04/22	14:47:53	0.512	0.540	0.481
391	2013/04/22	14:48:53	0.501	0.526	0.494
392	2013/04/22	14:49:53	0.494	0.523	0.470
393	2013/04/22	14:50:53	0.475	0.511	0.442
394	2013/04/22	14:51:53	0.472	0.510	0.370
395	2013/04/22	14:52:53	0.448	0.503	0.487
396	2013/04/22	14:53:53	0.485	0.506	0.503
397	2013/04/22	14:54:53	0.471	0.509	0.488
398	2013/04/22	14:55:53	0.474	0.506	0.494
399	2013/04/22	14:56:53	0.409	0.495	0.446
400	2013/04/22	14:57:53	0.483	0.501	0.490
401	2013/04/22	14:58:53	0.487	0.511	0.482
402	2013/04/22	14:59:53	0.470	0.507	0.490
403	2013/04/22	15:00:53	0.466	0.501	0.340
404	2013/04/22	15:01:53	0.399	0.454	0.356
405	2013/04/22	15:02:53	0.341	0.398	0.344
406	2013/04/22	15:03:53	0.446	0.484	0.465
407	2013/04/22	15:04:53	0.442	0.493	0.493
408	2013/04/22	15:05:53	0.480	0.500	0.490
409	2013/04/22	15:06:53	0.469	0.492	0.482
410	2013/04/22	15:07:53	0.497	0.505	0.495
411	2013/04/22	15:08:53	0.465	0.494	0.471
412	2013/04/22	15:09:53	0.470	0.484	0.470
413	2013/04/22	15:10:53	0.465	0.481	0.468

414	2013/04/22	15:11:53	0.436	0.480	0.417
415	2013/04/22	15:12:53	0.433	0.473	0.461
416	2013/04/22	15:13:53	0.480	0.499	0.496
417	2013/04/22	15:14:53	0.496	0.514	0.512
418	2013/04/22	15:15:53	0.507	0.518	0.510
419	2013/04/22	15:16:53	0.512	0.523	0.508
420	2013/04/22	15:17:53	0.524	0.543	0.541
421	2013/04/22	15:18:53	0.534	0.544	0.523
422	2013/04/22	15:19:53	0.519	0.536	0.503
423	2013/04/22	15:20:53	0.505	0.532	0.501
424	2013/04/22	15:21:53	0.528	0.550	0.541
425	2013/04/22	15:22:53	0.506	0.552	0.520
426	2013/04/22	15:23:53	0.554	0.568	0.562
427	2013/04/22	15:24:53	0.554	0.566	0.565
428	2013/04/22	15:25:53	0.549	0.577	0.525
429	2013/04/22	15:26:53	0.513	0.576	0.549
430	2013/04/22	15:27:53	0.576	0.595	0.582
431	2013/04/22	15:28:53	0.563	0.587	0.516
432	2013/04/22	15:29:53	0.554	0.576	0.560
433	2013/04/22	15:30:53	0.566	0.586	0.573
434	2013/04/22	15:31:53	0.541	0.583	0.566
435	2013/04/22	15:32:53	0.572	0.594	0.594
436	2013/04/22	15:33:53	0.586	0.601	0.569
437	2013/04/22	15:34:53	0.571	0.588	0.588
438	2013/04/22	15:35:53	0.588	0.599	0.597
439	2013/04/22	15:36:53	0.592	0.597	0.592
440	2013/04/22	15:37:53	0.561	0.592	0.549
441	2013/04/22	15:38:53	0.568	0.580	0.566
442	2013/04/22	15:39:53	0.542	0.564	0.480
443	2013/04/22	15:40:53	0.494	0.542	0.497
444	2013/04/22	15:41:53	0.498	0.524	0.517
445	2013/04/22	15:42:53	0.515	0.535	0.532
446	2013/04/22	15:43:53	0.541	0.557	0.547
447	2013/04/22	15:44:53	0.515	0.549	0.536
448	2013/04/22	15:45:53	0.519	0.542	0.521
449	2013/04/22	15:46:53	0.523	0.530	0.525
450	2013/04/22	15:47:53	0.497	0.528	0.489
451	2013/04/22	15:48:53	0.491	0.525	0.525
452	2013/04/22	15:49:53	0.521	0.530	0.524
453	2013/04/22	15:50:53	0.519	0.525	0.522
454	2013/04/22	15:51:53	0.509	0.525	0.506
455	2013/04/22	15:52:53	0.494	0.511	0.485
456	2013/04/22	15:53:53	0.478	0.495	0.475
457	2013/04/22	15:54:53	0.474	0.481	0.467
458	2013/04/22	15:55:53	0.473	0.485	0.484
459	2013/04/22	15:56:53	0.472	0.485	0.480
460	2013/04/22	15:57:53	0.460	0.481	0.455
461	2013/04/22	15:58:53	0.442	0.476	0.476
462	2013/04/22	15:59:53	0.469	0.482	0.466
463	2013/04/22	16:00:53	0.471	0.484	0.458
464	2013/04/22	16:01:53	0.469	0.478	0.472
465	2013/04/22	16:02:53	0.468	0.479	0.468
466	2013/04/22	16:03:53	0.461	0.473	0.451
467	2013/04/22	16:04:53	0.460	0.470	0.448
468	2013/04/22	16:05:53	0.449	0.461	0.453
469	2013/04/22	16:06:53	0.449	0.456	0.445
470	2013/04/22	16:07:53	0.443	0.450	0.442
471	2013/04/22	16:08:53	0.441	0.453	0.444
472	2013/04/22	16:09:53	0.441	0.445	0.441
473	2013/04/22	16:10:53	0.443	0.453	0.452
474	2013/04/22	16:11:53	0.430	0.451	0.428
475	2013/04/22	16:12:53	0.423	0.447	0.446
476	2013/04/22	16:13:53	0.407	0.450	0.420

477	2013/04/22	16:14:53	0.405	0.443	0.441
478	2013/04/22	16:15:53	0.435	0.452	0.442
479	2013/04/22	16:16:53	0.442	0.453	0.443
480	2013/04/22	16:17:53	0.444	0.455	0.451
481	2013/04/22	16:18:53	0.420	0.450	0.438
482	2013/04/22	16:19:53	0.426	0.450	0.427
483	2013/04/22	16:20:53	0.416	0.442	0.433
484	2013/04/22	16:21:53	0.425	0.438	0.394
485	2013/04/22	16:22:53	0.412	0.434	0.423
486	2013/04/22	16:23:53	0.414	0.427	0.427
487	2013/04/22	16:24:53	0.400	0.427	0.417
488	2013/04/22	16:25:53	0.398	0.420	0.416
489	2013/04/22	16:26:53	0.425	0.431	0.418
490	2013/04/22	16:27:53	0.418	0.429	0.412
491	2013/04/22	16:28:53	0.412	0.426	0.423
492	2013/04/22	16:29:53	0.418	0.425	0.416
493	2013/04/22	16:30:53	0.416	0.432	0.403
494	2013/04/22	16:31:53	0.405	0.417	0.416
495	2013/04/22	16:32:53	0.404	0.414	0.400
496	2013/04/22	16:33:53	0.398	0.421	0.394
497	2013/04/22	16:34:53	0.411	0.424	0.409
498	2013/04/22	16:35:53	0.413	0.429	0.423
499	2013/04/22	16:36:53	0.413	0.429	0.410
500	2013/04/22	16:37:53	0.421	0.431	0.426
501	2013/04/22	16:38:53	0.410	0.426	0.397
502	2013/04/22	16:39:53	0.393	0.425	0.425
503	2013/04/22	16:40:53	0.371	0.425	0.405
504	2013/04/22	16:41:53	0.413	0.430	0.426
505	2013/04/22	16:42:53	0.410	0.427	0.391
506	2013/04/22	16:43:53	0.406	0.420	0.344
507	2013/04/22	16:44:53	0.393	0.410	0.401
508	2013/04/22	16:45:53	0.407	0.422	0.396
509	2013/04/22	16:46:53	0.410	0.415	0.407
510	2013/04/22	16:47:53	0.405	0.408	0.404
511	2013/04/22	16:48:53	0.403	0.409	0.391
512	2013/04/22	16:49:53	0.396	0.411	0.398
513	2013/04/22	16:50:53	0.402	0.409	0.403
514	2013/04/22	16:51:53	0.400	0.414	0.363
515	2013/04/22	16:52:53	0.399	0.410	0.405
516	2013/04/22	16:53:53	0.406	0.417	0.401
517	2013/04/22	16:54:53	0.391	0.408	0.393
518	2013/04/22	16:55:53	0.388	0.406	0.391
519	2013/04/22	16:56:53	0.398	0.407	0.398
520	2013/04/22	16:57:53	0.393	0.397	0.391
521	2013/04/22	16:58:53	0.384	0.400	0.383
522	2013/04/22	16:59:53	0.385	0.399	0.391
523	2013/04/22	17:00:53	0.362	0.399	0.387
524	2013/04/22	17:01:53	0.399	0.405	0.397
525	2013/04/22	17:02:53	0.390	0.400	0.382
526	2013/04/22	17:03:53	0.383	0.391	0.381
527	2013/04/22	17:04:53	0.370	0.385	0.373
528	2013/04/22	17:05:53	0.374	0.389	0.389
529	2013/04/22	17:06:53	0.378	0.390	0.348
530	2013/04/22	17:07:53	0.358	0.381	0.381
531	2013/04/22	17:08:53	0.375	0.389	0.378
532	2013/04/22	17:09:53	0.369	0.383	0.362
533	2013/04/22	17:10:53	0.372	0.380	0.377
534	2013/04/22	17:11:53	0.374	0.381	0.372
535	2013/04/22	17:12:53	0.370	0.375	0.369
536	2013/04/22	17:13:53	0.369	0.380	0.379
537	2013/04/22	17:14:53	0.371	0.378	0.371
538	2013/04/22	17:15:53	0.364	0.373	0.363
539	2013/04/22	17:16:53	0.364	0.369	0.369

540	2013/04/22 17:17:53	0.356	0.371	0.344
541	2013/04/22 17:18:53	0.358	0.368	0.368
542	2013/04/22 17:19:53	0.361	0.374	0.369
543	2013/04/22 17:20:53	0.366	0.375	0.365
544	2013/04/22 17:21:53	0.371	0.378	0.355
545	2013/04/22 17:22:53	0.371	0.383	0.367
546	2013/04/22 17:23:53	0.355	0.380	0.360
547	2013/04/22 17:24:53	0.370	0.376	0.370
548	2013/04/22 17:25:53	0.368	0.380	0.370
549	2013/04/22 17:26:53	0.366	0.372	0.340
550	2013/04/22 17:27:53	0.332	0.356	0.356
551	2013/04/22 17:28:53	0.356	0.362	0.356
552	2013/04/22 17:29:53	0.361	0.368	0.368
553	2013/04/22 17:30:53	0.363	0.372	0.353
554	2013/04/22 17:31:53	0.359	0.371	0.356
555	2013/04/22 17:32:53	0.361	0.370	0.359
556	2013/04/22 17:33:53	0.352	0.360	0.351
557	2013/04/22 17:34:53	0.331	0.351	0.330
Peak		0.592	0.601	0.597
Min		0.028	0.041	0.026
Average		0.386	0.402	0.387

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/22 08:18:53	0.000	---
002	2013/04/22 08:19:53	0.000	---
003	2013/04/22 08:20:53	0.000	---
004	2013/04/22 08:21:53	0.000	---
005	2013/04/22 08:22:53	0.001	---
006	2013/04/22 08:23:53	0.001	---
007	2013/04/22 08:24:53	0.001	---
008	2013/04/22 08:25:53	0.001	---
009	2013/04/22 08:26:53	0.002	---
010	2013/04/22 08:27:53	0.002	---
011	2013/04/22 08:28:53	0.002	---
012	2013/04/22 08:29:53	0.003	---
013	2013/04/22 08:30:53	0.003	---
014	2013/04/22 08:31:53	0.003	---
015	2013/04/22 08:32:53	0.004	0.112
016	2013/04/22 08:33:53	0.004	0.121
017	2013/04/22 08:34:53	0.004	0.130
018	2013/04/22 08:35:53	0.005	0.137
019	2013/04/22 08:36:53	0.005	0.143
020	2013/04/22 08:37:53	0.005	0.148
021	2013/04/22 08:38:53	0.006	0.153
022	2013/04/22 08:39:53	0.006	0.158
023	2013/04/22 08:40:53	0.006	0.161
024	2013/04/22 08:41:53	0.007	0.165
025	2013/04/22 08:42:53	0.007	0.169
026	2013/04/22 08:43:53	0.008	0.172
027	2013/04/22 08:44:53	0.008	0.175
028	2013/04/22 08:45:53	0.008	0.178
029	2013/04/22 08:46:53	0.009	0.181
030	2013/04/22 08:47:53	0.009	0.185
031	2013/04/22 08:48:53	0.010	0.188
032	2013/04/22 08:49:53	0.010	0.190
033	2013/04/22 08:50:53	0.011	0.193
034	2013/04/22 08:51:53	0.011	0.195
035	2013/04/22 08:52:53	0.011	0.196
036	2013/04/22 08:53:53	0.012	0.198
037	2013/04/22 08:54:53	0.012	0.201

038	2013/04/22	08:55:53	0.013	0.203
039	2013/04/22	08:56:53	0.013	0.206
040	2013/04/22	08:57:53	0.014	0.208
041	2013/04/22	08:58:53	0.014	0.211
042	2013/04/22	08:59:53	0.015	0.213
043	2013/04/22	09:00:53	0.015	0.216
044	2013/04/22	09:01:53	0.016	0.218
045	2013/04/22	09:02:53	0.016	0.220
046	2013/04/22	09:03:53	0.017	0.223
047	2013/04/22	09:04:53	0.017	0.226
048	2013/04/22	09:05:53	0.018	0.228
049	2013/04/22	09:06:53	0.018	0.231
050	2013/04/22	09:07:53	0.019	0.236
051	2013/04/22	09:08:53	0.019	0.238
052	2013/04/22	09:09:53	0.020	0.241
053	2013/04/22	09:10:53	0.020	0.243
054	2013/04/22	09:11:53	0.021	0.245
055	2013/04/22	09:12:53	0.021	0.248
056	2013/04/22	09:13:53	0.022	0.247
057	2013/04/22	09:14:53	0.023	0.250
058	2013/04/22	09:15:53	0.023	0.253
059	2013/04/22	09:16:53	0.024	0.257
060	2013/04/22	09:17:53	0.024	0.260
061	2013/04/22	09:18:53	0.025	0.263
062	2013/04/22	09:19:53	0.025	0.266
063	2013/04/22	09:20:53	0.026	0.267
064	2013/04/22	09:21:53	0.027	0.269
065	2013/04/22	09:22:53	0.027	0.272
066	2013/04/22	09:23:53	0.028	0.274
067	2013/04/22	09:24:53	0.028	0.277
068	2013/04/22	09:25:53	0.029	0.280
069	2013/04/22	09:26:53	0.030	0.283
070	2013/04/22	09:27:53	0.030	0.284
071	2013/04/22	09:28:53	0.031	0.290
072	2013/04/22	09:29:53	0.032	0.291
073	2013/04/22	09:30:53	0.032	0.293
074	2013/04/22	09:31:53	0.033	0.293
075	2013/04/22	09:32:53	0.034	0.295
076	2013/04/22	09:33:53	0.034	0.297
077	2013/04/22	09:34:53	0.035	0.299
078	2013/04/22	09:35:53	0.035	0.302
079	2013/04/22	09:36:53	0.036	0.304
080	2013/04/22	09:37:53	0.037	0.306
081	2013/04/22	09:38:53	0.037	0.308
082	2013/04/22	09:39:53	0.038	0.309
083	2013/04/22	09:40:53	0.039	0.311
084	2013/04/22	09:41:53	0.039	0.313
085	2013/04/22	09:42:53	0.040	0.315
086	2013/04/22	09:43:53	0.041	0.317
087	2013/04/22	09:44:53	0.042	0.318
088	2013/04/22	09:45:53	0.042	0.319
089	2013/04/22	09:46:53	0.043	0.320
090	2013/04/22	09:47:53	0.043	0.318
091	2013/04/22	09:48:53	0.044	0.319
092	2013/04/22	09:49:53	0.045	0.320
093	2013/04/22	09:50:53	0.046	0.321
094	2013/04/22	09:51:53	0.046	0.321
095	2013/04/22	09:52:53	0.047	0.322
096	2013/04/22	09:53:53	0.048	0.324
097	2013/04/22	09:54:53	0.048	0.325
098	2013/04/22	09:55:53	0.049	0.325
099	2013/04/22	09:56:53	0.050	0.327
100	2013/04/22	09:57:53	0.050	0.329

101	2013/04/22	09:58:53	0.051	0.330
102	2013/04/22	09:59:53	0.052	0.332
103	2013/04/22	10:00:53	0.053	0.334
104	2013/04/22	10:01:53	0.053	0.334
105	2013/04/22	10:02:53	0.054	0.339
106	2013/04/22	10:03:53	0.055	0.341
107	2013/04/22	10:04:53	0.056	0.343
108	2013/04/22	10:05:53	0.056	0.345
109	2013/04/22	10:06:53	0.057	0.343
110	2013/04/22	10:07:53	0.058	0.342
111	2013/04/22	10:08:53	0.058	0.343
112	2013/04/22	10:09:53	0.059	0.346
113	2013/04/22	10:10:53	0.060	0.349
114	2013/04/22	10:11:53	0.061	0.351
115	2013/04/22	10:12:53	0.062	0.354
116	2013/04/22	10:13:53	0.062	0.356
117	2013/04/22	10:14:53	0.063	0.356
118	2013/04/22	10:15:53	0.064	0.358
119	2013/04/22	10:16:53	0.065	0.362
120	2013/04/22	10:17:53	0.065	0.365
121	2013/04/22	10:18:53	0.066	0.367
122	2013/04/22	10:19:53	0.067	0.369
123	2013/04/22	10:20:53	0.068	0.371
124	2013/04/22	10:21:53	0.069	0.378
125	2013/04/22	10:22:53	0.070	0.384
126	2013/04/22	10:23:53	0.070	0.386
127	2013/04/22	10:24:53	0.071	0.389
128	2013/04/22	10:25:53	0.072	0.388
129	2013/04/22	10:26:53	0.073	0.386
130	2013/04/22	10:27:53	0.074	0.387
131	2013/04/22	10:28:53	0.074	0.388
132	2013/04/22	10:29:53	0.075	0.393
133	2013/04/22	10:30:53	0.076	0.394
134	2013/04/22	10:31:53	0.077	0.395
135	2013/04/22	10:32:53	0.078	0.396
136	2013/04/22	10:33:53	0.079	0.397
137	2013/04/22	10:34:53	0.080	0.398
138	2013/04/22	10:35:53	0.080	0.394
139	2013/04/22	10:36:53	0.081	0.394
140	2013/04/22	10:37:53	0.082	0.394
141	2013/04/22	10:38:53	0.083	0.395
142	2013/04/22	10:39:53	0.084	0.395
143	2013/04/22	10:40:53	0.084	0.397
144	2013/04/22	10:41:53	0.085	0.401
145	2013/04/22	10:42:53	0.086	0.402
146	2013/04/22	10:43:53	0.087	0.402
147	2013/04/22	10:44:53	0.088	0.402
148	2013/04/22	10:45:53	0.089	0.403
149	2013/04/22	10:46:53	0.090	0.404
150	2013/04/22	10:47:53	0.090	0.400
151	2013/04/22	10:48:53	0.091	0.401
152	2013/04/22	10:49:53	0.092	0.402
153	2013/04/22	10:50:53	0.093	0.406
154	2013/04/22	10:51:53	0.094	0.407
155	2013/04/22	10:52:53	0.095	0.404
156	2013/04/22	10:53:53	0.095	0.405
157	2013/04/22	10:54:53	0.096	0.403
158	2013/04/22	10:55:53	0.097	0.405
159	2013/04/22	10:56:53	0.098	0.404
160	2013/04/22	10:57:53	0.099	0.406
161	2013/04/22	10:58:53	0.100	0.407
162	2013/04/22	10:59:53	0.101	0.407
163	2013/04/22	11:00:53	0.101	0.407

164	2013/04/22	11:01:53	0.102	0.407
165	2013/04/22	11:02:53	0.103	0.411
166	2013/04/22	11:03:53	0.104	0.405
167	2013/04/22	11:04:53	0.105	0.404
168	2013/04/22	11:05:53	0.106	0.405
169	2013/04/22	11:06:53	0.106	0.404
170	2013/04/22	11:07:53	0.107	0.406
171	2013/04/22	11:08:53	0.108	0.406
172	2013/04/22	11:09:53	0.109	0.406
173	2013/04/22	11:10:53	0.110	0.406
174	2013/04/22	11:11:53	0.111	0.405
175	2013/04/22	11:12:53	0.111	0.402
176	2013/04/22	11:13:53	0.112	0.395
177	2013/04/22	11:14:53	0.113	0.392
178	2013/04/22	11:15:53	0.114	0.391
179	2013/04/22	11:16:53	0.114	0.390
180	2013/04/22	11:17:53	0.115	0.388
181	2013/04/22	11:18:53	0.116	0.393
182	2013/04/22	11:19:53	0.117	0.392
183	2013/04/22	11:20:53	0.118	0.390
184	2013/04/22	11:21:53	0.119	0.389
185	2013/04/22	11:22:53	0.119	0.389
186	2013/04/22	11:23:53	0.120	0.388
187	2013/04/22	11:24:53	0.121	0.388
188	2013/04/22	11:25:53	0.122	0.385
189	2013/04/22	11:26:53	0.123	0.384
190	2013/04/22	11:27:53	0.123	0.385
191	2013/04/22	11:28:53	0.124	0.389
192	2013/04/22	11:29:53	0.125	0.391
193	2013/04/22	11:30:53	0.126	0.390
194	2013/04/22	11:31:53	0.127	0.390
195	2013/04/22	11:32:53	0.127	0.388
196	2013/04/22	11:33:53	0.128	0.389
197	2013/04/22	11:34:53	0.129	0.389
198	2013/04/22	11:35:53	0.130	0.389
199	2013/04/22	11:36:53	0.131	0.390
200	2013/04/22	11:37:53	0.132	0.391
201	2013/04/22	11:38:53	0.132	0.390
202	2013/04/22	11:39:53	0.133	0.390
203	2013/04/22	11:40:53	0.134	0.392
204	2013/04/22	11:41:53	0.135	0.393
205	2013/04/22	11:42:53	0.136	0.389
206	2013/04/22	11:43:53	0.136	0.387
207	2013/04/22	11:44:53	0.137	0.384
208	2013/04/22	11:45:53	0.138	0.384
209	2013/04/22	11:46:53	0.139	0.385
210	2013/04/22	11:47:53	0.140	0.388
211	2013/04/22	11:48:53	0.140	0.387
212	2013/04/22	11:49:53	0.141	0.387
213	2013/04/22	11:50:53	0.142	0.388
214	2013/04/22	11:51:53	0.143	0.387
215	2013/04/22	11:52:53	0.144	0.386
216	2013/04/22	11:53:53	0.144	0.387
217	2013/04/22	11:54:53	0.145	0.386
218	2013/04/22	11:55:53	0.146	0.385
219	2013/04/22	11:56:53	0.147	0.384
220	2013/04/22	11:57:53	0.148	0.388
221	2013/04/22	11:58:53	0.148	0.388
222	2013/04/22	11:59:53	0.149	0.391
223	2013/04/22	12:00:53	0.150	0.391
224	2013/04/22	12:01:53	0.151	0.390
225	2013/04/22	12:02:53	0.152	0.389
226	2013/04/22	12:03:53	0.153	0.388

227	2013/04/22	12:04:53	0.153	0.389
228	2013/04/22	12:05:53	0.154	0.388
229	2013/04/22	12:06:53	0.155	0.387
230	2013/04/22	12:07:53	0.156	0.386
231	2013/04/22	12:08:53	0.157	0.385
232	2013/04/22	12:09:53	0.157	0.385
233	2013/04/22	12:10:53	0.158	0.381
234	2013/04/22	12:11:53	0.159	0.381
235	2013/04/22	12:12:53	0.160	0.382
236	2013/04/22	12:13:53	0.160	0.384
237	2013/04/22	12:14:53	0.161	0.385
238	2013/04/22	12:15:53	0.162	0.382
239	2013/04/22	12:16:53	0.163	0.383
240	2013/04/22	12:17:53	0.164	0.383
241	2013/04/22	12:18:53	0.165	0.383
242	2013/04/22	12:19:53	0.165	0.384
243	2013/04/22	12:20:53	0.166	0.384
244	2013/04/22	12:21:53	0.167	0.385
245	2013/04/22	12:22:53	0.168	0.381
246	2013/04/22	12:23:53	0.168	0.382
247	2013/04/22	12:24:53	0.169	0.383
248	2013/04/22	12:25:53	0.170	0.388
249	2013/04/22	12:26:53	0.171	0.389
250	2013/04/22	12:27:53	0.172	0.388
251	2013/04/22	12:28:53	0.173	0.386
252	2013/04/22	12:29:53	0.173	0.386
253	2013/04/22	12:30:53	0.174	0.389
254	2013/04/22	12:31:53	0.175	0.390
255	2013/04/22	12:32:53	0.176	0.388
256	2013/04/22	12:33:53	0.177	0.388
257	2013/04/22	12:34:53	0.177	0.386
258	2013/04/22	12:35:53	0.178	0.386
259	2013/04/22	12:36:53	0.179	0.387
260	2013/04/22	12:37:53	0.180	0.394
261	2013/04/22	12:38:53	0.181	0.395
262	2013/04/22	12:39:53	0.182	0.394
263	2013/04/22	12:40:53	0.182	0.391
264	2013/04/22	12:41:53	0.183	0.390
265	2013/04/22	12:42:53	0.184	0.390
266	2013/04/22	12:43:53	0.185	0.392
267	2013/04/22	12:44:53	0.186	0.393
268	2013/04/22	12:45:53	0.187	0.393
269	2013/04/22	12:46:53	0.187	0.394
270	2013/04/22	12:47:53	0.188	0.396
271	2013/04/22	12:48:53	0.189	0.398
272	2013/04/22	12:49:53	0.190	0.400
273	2013/04/22	12:50:53	0.191	0.402
274	2013/04/22	12:51:53	0.192	0.403
275	2013/04/22	12:52:53	0.192	0.402
276	2013/04/22	12:53:53	0.193	0.403
277	2013/04/22	12:54:53	0.194	0.405
278	2013/04/22	12:55:53	0.195	0.410
279	2013/04/22	12:56:53	0.196	0.414
280	2013/04/22	12:57:53	0.197	0.416
281	2013/04/22	12:58:53	0.198	0.418
282	2013/04/22	12:59:53	0.199	0.419
283	2013/04/22	13:00:53	0.200	0.419
284	2013/04/22	13:01:53	0.200	0.420
285	2013/04/22	13:02:53	0.201	0.420
286	2013/04/22	13:03:53	0.202	0.423
287	2013/04/22	13:04:53	0.203	0.424
288	2013/04/22	13:05:53	0.204	0.428
289	2013/04/22	13:06:53	0.205	0.430

290	2013/04/22	13:07:53	0.206	0.432
291	2013/04/22	13:08:53	0.207	0.430
292	2013/04/22	13:09:53	0.208	0.426
293	2013/04/22	13:10:53	0.208	0.426
294	2013/04/22	13:11:53	0.209	0.427
295	2013/04/22	13:12:53	0.210	0.428
296	2013/04/22	13:13:53	0.211	0.429
297	2013/04/22	13:14:53	0.212	0.430
298	2013/04/22	13:15:53	0.213	0.432
299	2013/04/22	13:16:53	0.214	0.433
300	2013/04/22	13:17:53	0.215	0.436
301	2013/04/22	13:18:53	0.216	0.435
302	2013/04/22	13:19:53	0.217	0.432
303	2013/04/22	13:20:53	0.218	0.430
304	2013/04/22	13:21:53	0.219	0.430
305	2013/04/22	13:22:53	0.219	0.430
306	2013/04/22	13:23:53	0.220	0.432
307	2013/04/22	13:24:53	0.221	0.436
308	2013/04/22	13:25:53	0.222	0.436
309	2013/04/22	13:26:53	0.223	0.434
310	2013/04/22	13:27:53	0.224	0.435
311	2013/04/22	13:28:53	0.225	0.434
312	2013/04/22	13:29:53	0.226	0.434
313	2013/04/22	13:30:53	0.227	0.433
314	2013/04/22	13:31:53	0.227	0.431
315	2013/04/22	13:32:53	0.228	0.430
316	2013/04/22	13:33:53	0.229	0.430
317	2013/04/22	13:34:53	0.230	0.433
318	2013/04/22	13:35:53	0.231	0.432
319	2013/04/22	13:36:53	0.232	0.431
320	2013/04/22	13:37:53	0.233	0.431
321	2013/04/22	13:38:53	0.234	0.430
322	2013/04/22	13:39:53	0.235	0.426
323	2013/04/22	13:40:53	0.235	0.426
324	2013/04/22	13:41:53	0.236	0.423
325	2013/04/22	13:42:53	0.237	0.421
326	2013/04/22	13:43:53	0.238	0.420
327	2013/04/22	13:44:53	0.239	0.416
328	2013/04/22	13:45:53	0.240	0.415
329	2013/04/22	13:46:53	0.240	0.414
330	2013/04/22	13:47:53	0.241	0.412
331	2013/04/22	13:48:53	0.242	0.409
332	2013/04/22	13:49:53	0.243	0.407
333	2013/04/22	13:50:53	0.244	0.405
334	2013/04/22	13:51:53	0.244	0.393
335	2013/04/22	13:52:53	0.245	0.390
336	2013/04/22	13:53:53	0.246	0.389
337	2013/04/22	13:54:53	0.247	0.391
338	2013/04/22	13:55:53	0.248	0.389
339	2013/04/22	13:56:53	0.248	0.389
340	2013/04/22	13:57:53	0.249	0.388
341	2013/04/22	13:58:53	0.250	0.385
342	2013/04/22	13:59:53	0.251	0.385
343	2013/04/22	14:00:53	0.252	0.383
344	2013/04/22	14:01:53	0.252	0.384
345	2013/04/22	14:02:53	0.253	0.385
346	2013/04/22	14:03:53	0.254	0.387
347	2013/04/22	14:04:53	0.255	0.389
348	2013/04/22	14:05:53	0.256	0.391
349	2013/04/22	14:06:53	0.257	0.401
350	2013/04/22	14:07:53	0.258	0.403
351	2013/04/22	14:08:53	0.258	0.402
352	2013/04/22	14:09:53	0.259	0.404

353	2013/04/22	14:10:53	0.260	0.407
354	2013/04/22	14:11:53	0.261	0.411
355	2013/04/22	14:12:53	0.262	0.413
356	2013/04/22	14:13:53	0.263	0.415
357	2013/04/22	14:14:53	0.264	0.416
358	2013/04/22	14:15:53	0.265	0.421
359	2013/04/22	14:16:53	0.266	0.422
360	2013/04/22	14:17:53	0.267	0.425
361	2013/04/22	14:18:53	0.267	0.424
362	2013/04/22	14:19:53	0.268	0.425
363	2013/04/22	14:20:53	0.269	0.423
364	2013/04/22	14:21:53	0.270	0.423
365	2013/04/22	14:22:53	0.271	0.424
366	2013/04/22	14:23:53	0.272	0.428
367	2013/04/22	14:24:53	0.273	0.429
368	2013/04/22	14:25:53	0.274	0.430
369	2013/04/22	14:26:53	0.275	0.431
370	2013/04/22	14:27:53	0.276	0.433
371	2013/04/22	14:28:53	0.277	0.435
372	2013/04/22	14:29:53	0.278	0.439
373	2013/04/22	14:30:53	0.278	0.439
374	2013/04/22	14:31:53	0.279	0.440
375	2013/04/22	14:32:53	0.280	0.438
376	2013/04/22	14:33:53	0.281	0.440
377	2013/04/22	14:34:53	0.282	0.442
378	2013/04/22	14:35:53	0.283	0.441
379	2013/04/22	14:36:53	0.284	0.444
380	2013/04/22	14:37:53	0.285	0.447
381	2013/04/22	14:38:53	0.286	0.449
382	2013/04/22	14:39:53	0.287	0.448
383	2013/04/22	14:40:53	0.288	0.451
384	2013/04/22	14:41:53	0.289	0.456
385	2013/04/22	14:42:53	0.290	0.460
386	2013/04/22	14:43:53	0.291	0.463
387	2013/04/22	14:44:53	0.292	0.467
388	2013/04/22	14:45:53	0.293	0.471
389	2013/04/22	14:46:53	0.294	0.477
390	2013/04/22	14:47:53	0.295	0.481
391	2013/04/22	14:48:53	0.296	0.484
392	2013/04/22	14:49:53	0.297	0.484
393	2013/04/22	14:50:53	0.298	0.488
394	2013/04/22	14:51:53	0.299	0.482
395	2013/04/22	14:52:53	0.300	0.483
396	2013/04/22	14:53:53	0.301	0.485
397	2013/04/22	14:54:53	0.302	0.489
398	2013/04/22	14:55:53	0.303	0.488
399	2013/04/22	14:56:53	0.304	0.483
400	2013/04/22	14:57:53	0.305	0.482
401	2013/04/22	14:58:53	0.306	0.480
402	2013/04/22	14:59:53	0.307	0.479
403	2013/04/22	15:00:53	0.308	0.467
404	2013/04/22	15:01:53	0.309	0.456
405	2013/04/22	15:02:53	0.309	0.446
406	2013/04/22	15:03:53	0.310	0.444
407	2013/04/22	15:04:53	0.311	0.446
408	2013/04/22	15:05:53	0.312	0.449
409	2013/04/22	15:06:53	0.313	0.457
410	2013/04/22	15:07:53	0.314	0.457
411	2013/04/22	15:08:53	0.315	0.455
412	2013/04/22	15:09:53	0.316	0.454
413	2013/04/22	15:10:53	0.317	0.452
414	2013/04/22	15:11:53	0.318	0.450
415	2013/04/22	15:12:53	0.319	0.448

416	2013/04/22	15:13:53	0.320	0.449
417	2013/04/22	15:14:53	0.321	0.451
418	2013/04/22	15:15:53	0.322	0.462
419	2013/04/22	15:16:53	0.323	0.472
420	2013/04/22	15:17:53	0.324	0.485
421	2013/04/22	15:18:53	0.325	0.489
422	2013/04/22	15:19:53	0.327	0.490
423	2013/04/22	15:20:53	0.328	0.491
424	2013/04/22	15:21:53	0.329	0.494
425	2013/04/22	15:22:53	0.330	0.496
426	2013/04/22	15:23:53	0.331	0.502
427	2013/04/22	15:24:53	0.332	0.509
428	2013/04/22	15:25:53	0.333	0.512
429	2013/04/22	15:26:53	0.334	0.521
430	2013/04/22	15:27:53	0.336	0.529
431	2013/04/22	15:28:53	0.337	0.531
432	2013/04/22	15:29:53	0.338	0.534
433	2013/04/22	15:30:53	0.339	0.538
434	2013/04/22	15:31:53	0.340	0.542
435	2013/04/22	15:32:53	0.341	0.545
436	2013/04/22	15:33:53	0.343	0.548
437	2013/04/22	15:34:53	0.344	0.554
438	2013/04/22	15:35:53	0.345	0.560
439	2013/04/22	15:36:53	0.346	0.564
440	2013/04/22	15:37:53	0.347	0.566
441	2013/04/22	15:38:53	0.349	0.566
442	2013/04/22	15:39:53	0.350	0.560
443	2013/04/22	15:40:53	0.351	0.559
444	2013/04/22	15:41:53	0.352	0.556
445	2013/04/22	15:42:53	0.353	0.553
446	2013/04/22	15:43:53	0.354	0.555
447	2013/04/22	15:44:53	0.355	0.554
448	2013/04/22	15:45:53	0.356	0.550
449	2013/04/22	15:46:53	0.357	0.547
450	2013/04/22	15:47:53	0.358	0.540
451	2013/04/22	15:48:53	0.359	0.537
452	2013/04/22	15:49:53	0.361	0.533
453	2013/04/22	15:50:53	0.362	0.528
454	2013/04/22	15:51:53	0.363	0.522
455	2013/04/22	15:52:53	0.364	0.518
456	2013/04/22	15:53:53	0.365	0.512
457	2013/04/22	15:54:53	0.366	0.511
458	2013/04/22	15:55:53	0.367	0.510
459	2013/04/22	15:56:53	0.368	0.508
460	2013/04/22	15:57:53	0.369	0.503
461	2013/04/22	15:58:53	0.370	0.498
462	2013/04/22	15:59:53	0.371	0.493
463	2013/04/22	16:00:53	0.372	0.489
464	2013/04/22	16:01:53	0.372	0.486
465	2013/04/22	16:02:53	0.373	0.484
466	2013/04/22	16:03:53	0.374	0.479
467	2013/04/22	16:04:53	0.375	0.474
468	2013/04/22	16:05:53	0.376	0.470
469	2013/04/22	16:06:53	0.377	0.466
470	2013/04/22	16:07:53	0.378	0.463
471	2013/04/22	16:08:53	0.379	0.461
472	2013/04/22	16:09:53	0.380	0.459
473	2013/04/22	16:10:53	0.381	0.457
474	2013/04/22	16:11:53	0.382	0.453
475	2013/04/22	16:12:53	0.383	0.453
476	2013/04/22	16:13:53	0.384	0.449
477	2013/04/22	16:14:53	0.385	0.447
478	2013/04/22	16:15:53	0.385	0.446

479	2013/04/22	16:16:53	0.386	0.444
480	2013/04/22	16:17:53	0.387	0.443
481	2013/04/22	16:18:53	0.388	0.442
482	2013/04/22	16:19:53	0.389	0.441
483	2013/04/22	16:20:53	0.390	0.440
484	2013/04/22	16:21:53	0.391	0.436
485	2013/04/22	16:22:53	0.392	0.435
486	2013/04/22	16:23:53	0.393	0.434
487	2013/04/22	16:24:53	0.393	0.432
488	2013/04/22	16:25:53	0.394	0.430
489	2013/04/22	16:26:53	0.395	0.429
490	2013/04/22	16:27:53	0.396	0.427
491	2013/04/22	16:28:53	0.397	0.427
492	2013/04/22	16:29:53	0.398	0.425
493	2013/04/22	16:30:53	0.399	0.423
494	2013/04/22	16:31:53	0.400	0.421
495	2013/04/22	16:32:53	0.400	0.418
496	2013/04/22	16:33:53	0.401	0.415
497	2013/04/22	16:34:53	0.402	0.413
498	2013/04/22	16:35:53	0.403	0.413
499	2013/04/22	16:36:53	0.404	0.414
500	2013/04/22	16:37:53	0.405	0.414
501	2013/04/22	16:38:53	0.405	0.412
502	2013/04/22	16:39:53	0.406	0.413
503	2013/04/22	16:40:53	0.407	0.412
504	2013/04/22	16:41:53	0.408	0.412
505	2013/04/22	16:42:53	0.409	0.411
506	2013/04/22	16:43:53	0.410	0.406
507	2013/04/22	16:44:53	0.410	0.405
508	2013/04/22	16:45:53	0.411	0.404
509	2013/04/22	16:46:53	0.412	0.404
510	2013/04/22	16:47:53	0.413	0.404
511	2013/04/22	16:48:53	0.414	0.404
512	2013/04/22	16:49:53	0.415	0.403
513	2013/04/22	16:50:53	0.415	0.402
514	2013/04/22	16:51:53	0.416	0.398
515	2013/04/22	16:52:53	0.417	0.397
516	2013/04/22	16:53:53	0.418	0.397
517	2013/04/22	16:54:53	0.419	0.395
518	2013/04/22	16:55:53	0.420	0.394
519	2013/04/22	16:56:53	0.420	0.392
520	2013/04/22	16:57:53	0.421	0.392
521	2013/04/22	16:58:53	0.422	0.395
522	2013/04/22	16:59:53	0.423	0.394
523	2013/04/22	17:00:53	0.424	0.394
524	2013/04/22	17:01:53	0.424	0.393
525	2013/04/22	17:02:53	0.425	0.392
526	2013/04/22	17:03:53	0.426	0.391
527	2013/04/22	17:04:53	0.427	0.389
528	2013/04/22	17:05:53	0.428	0.388
529	2013/04/22	17:06:53	0.428	0.387
530	2013/04/22	17:07:53	0.429	0.386
531	2013/04/22	17:08:53	0.430	0.384
532	2013/04/22	17:09:53	0.431	0.382
533	2013/04/22	17:10:53	0.431	0.381
534	2013/04/22	17:11:53	0.432	0.379
535	2013/04/22	17:12:53	0.433	0.378
536	2013/04/22	17:13:53	0.434	0.378
537	2013/04/22	17:14:53	0.435	0.376
538	2013/04/22	17:15:53	0.435	0.375
539	2013/04/22	17:16:53	0.436	0.373
540	2013/04/22	17:17:53	0.437	0.370
541	2013/04/22	17:18:53	0.438	0.370

542	2013/04/22 17:19:53	0.438	0.369
543	2013/04/22 17:20:53	0.439	0.368
544	2013/04/22 17:21:53	0.440	0.368
545	2013/04/22 17:22:53	0.441	0.367
546	2013/04/22 17:23:53	0.441	0.366
547	2013/04/22 17:24:53	0.442	0.367
548	2013/04/22 17:25:53	0.443	0.366
549	2013/04/22 17:26:53	0.444	0.364
550	2013/04/22 17:27:53	0.444	0.363
551	2013/04/22 17:28:53	0.445	0.362
552	2013/04/22 17:29:53	0.446	0.361
553	2013/04/22 17:30:53	0.447	0.361
554	2013/04/22 17:31:53	0.447	0.360
555	2013/04/22 17:32:53	0.448	0.361
556	2013/04/22 17:33:53	0.449	0.360
557	2013/04/22 17:34:53	0.449	0.357

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13/04/23 07:56

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-909023
Unit Firmware Ver	V1.10C

Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Manual
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2013/04/23 07:56:37
End	2013/04/23 08:39:02
Sample Period(s)	60
Number of Records	42

Sensor	VOC(ppm)
Span	100.000
Span 2	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2013/04/22 08:17
Peak	0.353
Min	0.024
Average	0.256

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/23 07:57:37	0.014	0.024	0.024
002	2013/04/23 07:58:37	0.040	0.056	0.056
003	2013/04/23 07:59:37	0.073	0.090	0.090
004	2013/04/23 08:00:37	0.102	0.114	0.112
005	2013/04/23 08:01:37	0.120	0.126	0.126

006	2013/04/23 08:02:37	0.134	0.143	0.143
007	2013/04/23 08:03:37	0.151	0.159	0.159
008	2013/04/23 08:04:37	0.165	0.172	0.170
009	2013/04/23 08:05:37	0.177	0.185	0.185
010	2013/04/23 08:06:37	0.190	0.199	0.199
011	2013/04/23 08:07:37	0.198	0.206	0.202
012	2013/04/23 08:08:37	0.211	0.220	0.218
013	2013/04/23 08:09:37	0.212	0.225	0.182
014	2013/04/23 08:10:37	0.227	0.237	0.237
015	2013/04/23 08:11:37	0.235	0.242	0.242
016	2013/04/23 08:12:37	0.247	0.255	0.253
017	2013/04/23 08:13:37	0.256	0.262	0.262
018	2013/04/23 08:14:37	0.264	0.270	0.270
019	2013/04/23 08:15:37	0.270	0.273	0.268
020	2013/04/23 08:16:37	0.274	0.286	0.280
021	2013/04/23 08:17:37	0.282	0.288	0.288
022	2013/04/23 08:18:37	0.283	0.297	0.262
023	2013/04/23 08:19:37	0.281	0.297	0.295
024	2013/04/23 08:20:37	0.301	0.306	0.302
025	2013/04/23 08:21:37	0.296	0.306	0.295
026	2013/04/23 08:22:37	0.306	0.313	0.296
027	2013/04/23 08:23:37	0.311	0.318	0.317
028	2013/04/23 08:24:37	0.317	0.321	0.319
029	2013/04/23 08:25:37	0.319	0.324	0.318
030	2013/04/23 08:26:37	0.293	0.319	0.311
031	2013/04/23 08:27:37	0.321	0.334	0.331
032	2013/04/23 08:28:37	0.332	0.334	0.334
033	2013/04/23 08:29:37	0.329	0.336	0.332
034	2013/04/23 08:30:37	0.335	0.343	0.326
035	2013/04/23 08:31:37	0.336	0.345	0.339
036	2013/04/23 08:32:37	0.334	0.344	0.342
037	2013/04/23 08:33:37	0.342	0.349	0.344
038	2013/04/23 08:34:37	0.347	0.350	0.347
039	2013/04/23 08:35:37	0.330	0.348	0.342
040	2013/04/23 08:36:37	0.348	0.357	0.348
041	2013/04/23 08:37:37	0.327	0.351	0.349
042	2013/04/23 08:38:37	0.347	0.357	0.353
Peak		0.348	0.357	0.353
Min		0.014	0.024	0.024
Average		0.252	0.261	0.256

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/23 07:57:37	0.000	---
002	2013/04/23 07:58:37	0.000	---
003	2013/04/23 07:59:37	0.000	---
004	2013/04/23 08:00:37	0.001	---
005	2013/04/23 08:01:37	0.001	---
006	2013/04/23 08:02:37	0.001	---
007	2013/04/23 08:03:37	0.001	---
008	2013/04/23 08:04:37	0.002	---
009	2013/04/23 08:05:37	0.002	---
010	2013/04/23 08:06:37	0.003	---
011	2013/04/23 08:07:37	0.003	---
012	2013/04/23 08:08:37	0.004	---
013	2013/04/23 08:09:37	0.004	---
014	2013/04/23 08:10:37	0.004	---
015	2013/04/23 08:11:37	0.005	0.156
016	2013/04/23 08:12:37	0.005	0.172
017	2013/04/23 08:13:37	0.006	0.185
018	2013/04/23 08:14:37	0.007	0.197

019	2013/04/23	08:15:37	0.007	0.208
020	2013/04/23	08:16:37	0.008	0.218
021	2013/04/23	08:17:37	0.008	0.228
022	2013/04/23	08:18:37	0.009	0.235
023	2013/04/23	08:19:37	0.009	0.243
024	2013/04/23	08:20:37	0.010	0.251
025	2013/04/23	08:21:37	0.011	0.257
026	2013/04/23	08:22:37	0.011	0.263
027	2013/04/23	08:23:37	0.012	0.270
028	2013/04/23	08:24:37	0.013	0.279
029	2013/04/23	08:25:37	0.013	0.284
030	2013/04/23	08:26:37	0.014	0.289
031	2013/04/23	08:27:37	0.015	0.294
032	2013/04/23	08:28:37	0.015	0.299
033	2013/04/23	08:29:37	0.016	0.303
034	2013/04/23	08:30:37	0.017	0.307
035	2013/04/23	08:31:37	0.017	0.311
036	2013/04/23	08:32:37	0.018	0.315
037	2013/04/23	08:33:37	0.019	0.320
038	2013/04/23	08:34:37	0.020	0.324
039	2013/04/23	08:35:37	0.020	0.326
040	2013/04/23	08:36:37	0.021	0.330
041	2013/04/23	08:37:37	0.022	0.333
042	2013/04/23	08:38:37	0.022	0.336

TrakPro Version 4.61 ASCII Data File

Model:	DustTrak DRX
Model Number:	8533
Serial Number:	8533121311
Test ID:	1
Test Abbreviation:	MANUAL_001
Start Date:	9/11/2014
Start Time:	9:52:19
Duration (dd:hh:mm:ss):	0:00:27:00
Log Interval (mm:ss):	1:00
Number of points:	27
Notes:	ERROR: FLOW,

Statistics	Channel:	TOTAL
	Units:	mg/m^3
	Average:	0.026
	Minimum:	0.004
	Time of Minimum:	10:12:19
	Date of Minimum:	9/11/2014
	Maximum:	0.108
	Time of Maximum:	10:17:19
	Date of Maximum:	9/11/2014

Calibration	Sensor:	AEROSOL
	Cal. date	2/7/2014

Date	Time	TOTAL
MM/dd/yyyy	hh:mm:ss	mg/m^3
9/11/2014	9:53:19	0.106
9/11/2014	9:54:19	0.017
9/11/2014	9:55:19	0.017
9/11/2014	9:56:19	0.016
9/11/2014	9:57:19	0.043
9/11/2014	9:58:19	0.011
9/11/2014	9:59:19	0.014
9/11/2014	10:00:19	0.036
9/11/2014	10:01:19	0.012
9/11/2014	10:02:19	0.012
9/11/2014	10:03:19	0.025
9/11/2014	10:04:19	0.053
9/11/2014	10:05:19	0.021
9/11/2014	10:06:19	0.008
9/11/2014	10:07:19	0.091
9/11/2014	10:08:19	0.027
9/11/2014	10:09:19	0.017
9/11/2014	10:10:19	0.009

9/11/2014	10:11:19	0.005
9/11/2014	10:12:19	0.004
9/11/2014	10:13:19	0.013
9/11/2014	10:14:19	0.008
9/11/2014	10:15:19	0.005
9/11/2014	10:16:19	0.009
9/11/2014	10:17:19	0.108
9/11/2014	10:18:19	0.006
9/11/2014	10:19:19	0.009

TrakPro Version 4.61 ASCII Data File

Model:	DustTrak DRX
Model Number:	8533
Serial Number:	8533121311
Test ID:	2
Test Abbreviation:	MANUAL_002
Start Date:	9/12/2014
Start Time:	9:01:06
Duration (dd:hh:mm:ss):	0:07:24:00
Log Interval (mm:ss):	1:00
Number of points:	444
Notes:	

Statistics	Channel:	TOTAL
	Units:	mg/m^3
	Average:	0.006
	Minimum:	0
	Time of Minimum:	9:04:06
	Date of Minimum:	9/12/2014
	Maximum:	0.117
	Time of Maximum:	13:02:06
	Date of Maximum:	9/12/2014

Calibration	Sensor:	AEROSOL
	Cal. date	2/7/2014

Date	Time	TOTAL
MM/dd/yyyy	hh:mm:ss	mg/m^3
9/12/2014	9:02:06	0.063
9/12/2014	9:03:06	0.003
9/12/2014	9:04:06	0
9/12/2014	9:05:06	0
9/12/2014	9:06:06	0
9/12/2014	9:07:06	0
9/12/2014	9:08:06	0
9/12/2014	9:09:06	0.039
9/12/2014	9:10:06	0.007
9/12/2014	9:11:06	0.002
9/12/2014	9:12:06	0.001
9/12/2014	9:13:06	0.002
9/12/2014	9:14:06	0.004
9/12/2014	9:15:06	0.002
9/12/2014	9:16:06	0.001
9/12/2014	9:17:06	0.007
9/12/2014	9:18:06	0.008
9/12/2014	9:19:06	0.004

9/12/2014	9:20:06	0.004
9/12/2014	9:21:06	0.002
9/12/2014	9:22:06	0.002
9/12/2014	9:23:06	0
9/12/2014	9:24:06	0
9/12/2014	9:25:06	0
9/12/2014	9:26:06	0.005
9/12/2014	9:27:06	0.01
9/12/2014	9:28:06	0.007
9/12/2014	9:29:06	0
9/12/2014	9:30:06	0
9/12/2014	9:31:06	0.002
9/12/2014	9:32:06	0.006
9/12/2014	9:33:06	0.001
9/12/2014	9:34:06	0
9/12/2014	9:35:06	0
9/12/2014	9:36:06	0
9/12/2014	9:37:06	0.001
9/12/2014	9:38:06	0.001
9/12/2014	9:39:06	0.001
9/12/2014	9:40:06	0.003
9/12/2014	9:41:06	0.005
9/12/2014	9:42:06	0.059
9/12/2014	9:43:06	0.001
9/12/2014	9:44:06	0.001
9/12/2014	9:45:06	0
9/12/2014	9:46:06	0
9/12/2014	9:47:06	0
9/12/2014	9:48:06	0
9/12/2014	9:49:06	0.001
9/12/2014	9:50:06	0.004
9/12/2014	9:51:06	0.002
9/12/2014	9:52:06	0.001
9/12/2014	9:53:06	0.007
9/12/2014	9:54:06	0
9/12/2014	9:55:06	0.006
9/12/2014	9:56:06	0
9/12/2014	9:57:06	0
9/12/2014	9:58:06	0.002
9/12/2014	9:59:06	0.006
9/12/2014	10:00:06	0.005
9/12/2014	10:01:06	0.001
9/12/2014	10:02:06	0.009
9/12/2014	10:03:06	0.001
9/12/2014	10:04:06	0.001
9/12/2014	10:05:06	0.002
9/12/2014	10:06:06	0.008

9/12/2014	10:07:06	0.005
9/12/2014	10:08:06	0.001
9/12/2014	10:09:06	0.002
9/12/2014	10:10:06	0.003
9/12/2014	10:11:06	0.001
9/12/2014	10:12:06	0
9/12/2014	10:13:06	0.001
9/12/2014	10:14:06	0
9/12/2014	10:15:06	0
9/12/2014	10:16:06	0
9/12/2014	10:17:06	0
9/12/2014	10:18:06	0.01
9/12/2014	10:19:06	0.01
9/12/2014	10:20:06	0.006
9/12/2014	10:21:06	0.001
9/12/2014	10:22:06	0.003
9/12/2014	10:23:06	0.005
9/12/2014	10:24:06	0.011
9/12/2014	10:25:06	0.014
9/12/2014	10:26:06	0.012
9/12/2014	10:27:06	0.003
9/12/2014	10:28:06	0.012
9/12/2014	10:29:06	0.027
9/12/2014	10:30:06	0.042
9/12/2014	10:31:06	0.023
9/12/2014	10:32:06	0.005
9/12/2014	10:33:06	0.002
9/12/2014	10:34:06	0.017
9/12/2014	10:35:06	0.009
9/12/2014	10:36:06	0.003
9/12/2014	10:37:06	0.009
9/12/2014	10:38:06	0.006
9/12/2014	10:39:06	0.002
9/12/2014	10:40:06	0.012
9/12/2014	10:41:06	0.009
9/12/2014	10:42:06	0.004
9/12/2014	10:43:06	0.002
9/12/2014	10:44:06	0.002
9/12/2014	10:45:06	0
9/12/2014	10:46:06	0
9/12/2014	10:47:06	0
9/12/2014	10:48:06	0
9/12/2014	10:49:06	0
9/12/2014	10:50:06	0.001
9/12/2014	10:51:06	0
9/12/2014	10:52:06	0
9/12/2014	10:53:06	0

9/12/2014	10:54:06	0
9/12/2014	10:55:06	0.006
9/12/2014	10:56:06	0.006
9/12/2014	10:57:06	0.005
9/12/2014	10:58:06	0.004
9/12/2014	10:59:06	0.021
9/12/2014	11:00:06	0.013
9/12/2014	11:01:06	0.005
9/12/2014	11:02:06	0.002
9/12/2014	11:03:06	0.006
9/12/2014	11:04:06	0.007
9/12/2014	11:05:06	0.022
9/12/2014	11:06:06	0.008
9/12/2014	11:07:06	0.002
9/12/2014	11:08:06	0.002
9/12/2014	11:09:06	0.003
9/12/2014	11:10:06	0.01
9/12/2014	11:11:06	0.007
9/12/2014	11:12:06	0.008
9/12/2014	11:13:06	0.008
9/12/2014	11:14:06	0.007
9/12/2014	11:15:06	0.002
9/12/2014	11:16:06	0.003
9/12/2014	11:17:06	0.004
9/12/2014	11:18:06	0.004
9/12/2014	11:19:06	0.004
9/12/2014	11:20:06	0.003
9/12/2014	11:21:06	0.004
9/12/2014	11:22:06	0.003
9/12/2014	11:23:06	0.005
9/12/2014	11:24:06	0.002
9/12/2014	11:25:06	0.008
9/12/2014	11:26:06	0.094
9/12/2014	11:27:06	0.03
9/12/2014	11:28:06	0.023
9/12/2014	11:29:06	0.009
9/12/2014	11:30:06	0.005
9/12/2014	11:31:06	0.005
9/12/2014	11:32:06	0.05
9/12/2014	11:33:06	0.014
9/12/2014	11:34:06	0.002
9/12/2014	11:35:06	0.001
9/12/2014	11:36:06	0.001
9/12/2014	11:37:06	0.014
9/12/2014	11:38:06	0.015
9/12/2014	11:39:06	0.055
9/12/2014	11:40:06	0.013

9/12/2014	11:41:06	0.013
9/12/2014	11:42:06	0.029
9/12/2014	11:43:06	0.003
9/12/2014	11:44:06	0.001
9/12/2014	11:45:06	0.001
9/12/2014	11:46:06	0.017
9/12/2014	11:47:06	0.002
9/12/2014	11:48:06	0.002
9/12/2014	11:49:06	0.001
9/12/2014	11:50:06	0.001
9/12/2014	11:51:06	0.001
9/12/2014	11:52:06	0.002
9/12/2014	11:53:06	0.004
9/12/2014	11:54:06	0.011
9/12/2014	11:55:06	0.005
9/12/2014	11:56:06	0.001
9/12/2014	11:57:06	0.001
9/12/2014	11:58:06	0.001
9/12/2014	11:59:06	0.002
9/12/2014	12:00:06	0.001
9/12/2014	12:01:06	0.002
9/12/2014	12:02:06	0.002
9/12/2014	12:03:06	0.002
9/12/2014	12:04:06	0.004
9/12/2014	12:05:06	0.003
9/12/2014	12:06:06	0.003
9/12/2014	12:07:06	0.003
9/12/2014	12:08:06	0.002
9/12/2014	12:09:06	0.003
9/12/2014	12:10:06	0.002
9/12/2014	12:11:06	0.002
9/12/2014	12:12:06	0.002
9/12/2014	12:13:06	0.002
9/12/2014	12:14:06	0.003
9/12/2014	12:15:06	0.002
9/12/2014	12:16:06	0.002
9/12/2014	12:17:06	0.003
9/12/2014	12:18:06	0.003
9/12/2014	12:19:06	0.003
9/12/2014	12:20:06	0.005
9/12/2014	12:21:06	0.003
9/12/2014	12:22:06	0.003
9/12/2014	12:23:06	0.002
9/12/2014	12:24:06	0.002
9/12/2014	12:25:06	0.003
9/12/2014	12:26:06	0.003
9/12/2014	12:27:06	0.003

9/12/2014	12:28:06	0.002
9/12/2014	12:29:06	0.003
9/12/2014	12:30:06	0.035
9/12/2014	12:31:06	0.009
9/12/2014	12:32:06	0.01
9/12/2014	12:33:06	0.014
9/12/2014	12:34:06	0.001
9/12/2014	12:35:06	0.05
9/12/2014	12:36:06	0.008
9/12/2014	12:37:06	0.029
9/12/2014	12:38:06	0.011
9/12/2014	12:39:06	0.028
9/12/2014	12:40:06	0.011
9/12/2014	12:41:06	0.005
9/12/2014	12:42:06	0
9/12/2014	12:43:06	0
9/12/2014	12:44:06	0
9/12/2014	12:45:06	0
9/12/2014	12:46:06	0
9/12/2014	12:47:06	0
9/12/2014	12:48:06	0
9/12/2014	12:49:06	0
9/12/2014	12:50:06	0
9/12/2014	12:51:06	0
9/12/2014	12:52:06	0
9/12/2014	12:53:06	0
9/12/2014	12:54:06	0
9/12/2014	12:55:06	0.033
9/12/2014	12:56:06	0.045
9/12/2014	12:57:06	0.003
9/12/2014	12:58:06	0.028
9/12/2014	12:59:06	0
9/12/2014	13:00:06	0.006
9/12/2014	13:01:06	0.013
9/12/2014	13:02:06	0.117
9/12/2014	13:03:06	0.008
9/12/2014	13:04:06	0.002
9/12/2014	13:05:06	0.018
9/12/2014	13:06:06	0.007
9/12/2014	13:07:06	0.006
9/12/2014	13:08:06	0.021
9/12/2014	13:09:06	0.056
9/12/2014	13:10:06	0.043
9/12/2014	13:11:06	0.017
9/12/2014	13:12:06	0
9/12/2014	13:13:06	0
9/12/2014	13:14:06	0.015

9/12/2014	13:15:06	0.007
9/12/2014	13:16:06	0.006
9/12/2014	13:17:06	0.049
9/12/2014	13:18:06	0.018
9/12/2014	13:19:06	0
9/12/2014	13:20:06	0
9/12/2014	13:21:06	0.114
9/12/2014	13:22:06	0.007
9/12/2014	13:23:06	0.007
9/12/2014	13:24:06	0.031
9/12/2014	13:25:06	0.008
9/12/2014	13:26:06	0.005
9/12/2014	13:27:06	0
9/12/2014	13:28:06	0.002
9/12/2014	13:29:06	0
9/12/2014	13:30:06	0.001
9/12/2014	13:31:06	0
9/12/2014	13:32:06	0.001
9/12/2014	13:33:06	0.001
9/12/2014	13:34:06	0.002
9/12/2014	13:35:06	0.003
9/12/2014	13:36:06	0.001
9/12/2014	13:37:06	0.001
9/12/2014	13:38:06	0
9/12/2014	13:39:06	0.002
9/12/2014	13:40:06	0.002
9/12/2014	13:41:06	0
9/12/2014	13:42:06	0
9/12/2014	13:43:06	0
9/12/2014	13:44:06	0
9/12/2014	13:45:06	0
9/12/2014	13:46:06	0
9/12/2014	13:47:06	0.001
9/12/2014	13:48:06	0
9/12/2014	13:49:06	0
9/12/2014	13:50:06	0
9/12/2014	13:51:06	0
9/12/2014	13:52:06	0
9/12/2014	13:53:06	0
9/12/2014	13:54:06	0
9/12/2014	13:55:06	0.013
9/12/2014	13:56:06	0.007
9/12/2014	13:57:06	0
9/12/2014	13:58:06	0
9/12/2014	13:59:06	0
9/12/2014	14:00:06	0
9/12/2014	14:01:06	0

9/12/2014	14:02:06	0
9/12/2014	14:03:06	0
9/12/2014	14:04:06	0.001
9/12/2014	14:05:06	0
9/12/2014	14:06:06	0
9/12/2014	14:07:06	0
9/12/2014	14:08:06	0.001
9/12/2014	14:09:06	0.003
9/12/2014	14:10:06	0.003
9/12/2014	14:11:06	0.002
9/12/2014	14:12:06	0
9/12/2014	14:13:06	0
9/12/2014	14:14:06	0.001
9/12/2014	14:15:06	0
9/12/2014	14:16:06	0
9/12/2014	14:17:06	0
9/12/2014	14:18:06	0
9/12/2014	14:19:06	0
9/12/2014	14:20:06	0
9/12/2014	14:21:06	0
9/12/2014	14:22:06	0
9/12/2014	14:23:06	0
9/12/2014	14:24:06	0
9/12/2014	14:25:06	0
9/12/2014	14:26:06	0
9/12/2014	14:27:06	0.001
9/12/2014	14:28:06	0.005
9/12/2014	14:29:06	0.003
9/12/2014	14:30:06	0.008
9/12/2014	14:31:06	0.008
9/12/2014	14:32:06	0
9/12/2014	14:33:06	0.01
9/12/2014	14:34:06	0.001
9/12/2014	14:35:06	0
9/12/2014	14:36:06	0
9/12/2014	14:37:06	0.001
9/12/2014	14:38:06	0.003
9/12/2014	14:39:06	0.003
9/12/2014	14:40:06	0.001
9/12/2014	14:41:06	0.001
9/12/2014	14:42:06	0
9/12/2014	14:43:06	0
9/12/2014	14:44:06	0.001
9/12/2014	14:45:06	0
9/12/2014	14:46:06	0
9/12/2014	14:47:06	0
9/12/2014	14:48:06	0

9/12/2014	14:49:06	0
9/12/2014	14:50:06	0
9/12/2014	14:51:06	0
9/12/2014	14:52:06	0
9/12/2014	14:53:06	0
9/12/2014	14:54:06	0
9/12/2014	14:55:06	0
9/12/2014	14:56:06	0
9/12/2014	14:57:06	0
9/12/2014	14:58:06	0
9/12/2014	14:59:06	0
9/12/2014	15:00:06	0
9/12/2014	15:01:06	0.001
9/12/2014	15:02:06	0.001
9/12/2014	15:03:06	0.005
9/12/2014	15:04:06	0.001
9/12/2014	15:05:06	0.001
9/12/2014	15:06:06	0
9/12/2014	15:07:06	0.001
9/12/2014	15:08:06	0
9/12/2014	15:09:06	0
9/12/2014	15:10:06	0
9/12/2014	15:11:06	0
9/12/2014	15:12:06	0
9/12/2014	15:13:06	0.004
9/12/2014	15:14:06	0.029
9/12/2014	15:15:06	0.001
9/12/2014	15:16:06	0.001
9/12/2014	15:17:06	0.001
9/12/2014	15:18:06	0
9/12/2014	15:19:06	0
9/12/2014	15:20:06	0
9/12/2014	15:21:06	0
9/12/2014	15:22:06	0
9/12/2014	15:23:06	0.002
9/12/2014	15:24:06	0.009
9/12/2014	15:25:06	0.002
9/12/2014	15:26:06	0.001
9/12/2014	15:27:06	0.002
9/12/2014	15:28:06	0.002
9/12/2014	15:29:06	0.003
9/12/2014	15:30:06	0.001
9/12/2014	15:31:06	0
9/12/2014	15:32:06	0
9/12/2014	15:33:06	0
9/12/2014	15:34:06	0
9/12/2014	15:35:06	0.001

9/12/2014	15:36:06	0
9/12/2014	15:37:06	0.021
9/12/2014	15:38:06	0
9/12/2014	15:39:06	0
9/12/2014	15:40:06	0
9/12/2014	15:41:06	0
9/12/2014	15:42:06	0.002
9/12/2014	15:43:06	0.001
9/12/2014	15:44:06	0
9/12/2014	15:45:06	0
9/12/2014	15:46:06	0
9/12/2014	15:47:06	0
9/12/2014	15:48:06	0.01
9/12/2014	15:49:06	0.007
9/12/2014	15:50:06	0.008
9/12/2014	15:51:06	0.021
9/12/2014	15:52:06	0.004
9/12/2014	15:53:06	0.002
9/12/2014	15:54:06	0.012
9/12/2014	15:55:06	0.001
9/12/2014	15:56:06	0.001
9/12/2014	15:57:06	0.001
9/12/2014	15:58:06	0.002
9/12/2014	15:59:06	0.002
9/12/2014	16:00:06	0.001
9/12/2014	16:01:06	0.001
9/12/2014	16:02:06	0.001
9/12/2014	16:03:06	0
9/12/2014	16:04:06	0.005
9/12/2014	16:05:06	0.002
9/12/2014	16:06:06	0.001
9/12/2014	16:07:06	0.001
9/12/2014	16:08:06	0.001
9/12/2014	16:09:06	0.001
9/12/2014	16:10:06	0.001
9/12/2014	16:11:06	0.001
9/12/2014	16:12:06	0.001
9/12/2014	16:13:06	0.002
9/12/2014	16:14:06	0.002
9/12/2014	16:15:06	0.002
9/12/2014	16:16:06	0.003
9/12/2014	16:17:06	0.02
9/12/2014	16:18:06	0.002
9/12/2014	16:19:06	0.002
9/12/2014	16:20:06	0.002
9/12/2014	16:21:06	0.001
9/12/2014	16:22:06	0.001

9/12/2014	16:23:06	0.001
9/12/2014	16:24:06	0.001
9/12/2014	16:25:06	0.001

14/09/12 08:51

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-912978
Unit Firmware Ver	V1.20A
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2014/09/12 08:51:19
End	2014/09/12 16:27:51
Sample Period(s)	60
Number of Records	456
Sensor	VOC(ppm)
Span	100.000
Span 2	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2014/09/09 09:46
Peak	1.345
Min	0.000
Average	0.008

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2014/09/12 08:52:19	0.000	0.000	0.000
002	2014/09/12 08:53:19	0.000	0.000	0.000
003	2014/09/12 08:54:19	0.000	0.000	0.000
004	2014/09/12 08:55:19	0.000	0.000	0.000
005	2014/09/12 08:56:19	0.000	0.000	0.000
006	2014/09/12 08:57:19	0.000	0.000	0.000
007	2014/09/12 08:58:19	0.000	0.000	0.000
008	2014/09/12 08:59:19	0.000	0.000	0.000
009	2014/09/12 09:00:19	0.000	0.000	0.000
010	2014/09/12 09:01:19	0.000	0.000	0.000
011	2014/09/12 09:02:19	0.000	0.000	0.000
012	2014/09/12 09:03:19	0.000	0.000	0.000
013	2014/09/12 09:04:19	0.002	0.018	0.000
014	2014/09/12 09:05:19	0.000	0.000	0.000
015	2014/09/12 09:06:19	0.000	0.000	0.000
016	2014/09/12 09:07:19	0.000	0.000	0.000
017	2014/09/12 09:08:19	0.000	0.000	0.000
018	2014/09/12 09:09:19	0.000	0.000	0.000
019	2014/09/12 09:10:19	0.000	0.007	0.007
020	2014/09/12 09:11:19	0.001	0.010	0.000
021	2014/09/12 09:12:19	0.000	0.000	0.000

022	2014/09/12	09:13:19	0.000	0.000	0.000
023	2014/09/12	09:14:19	0.000	0.000	0.000
024	2014/09/12	09:15:19	0.000	0.008	0.008
025	2014/09/12	09:16:19	0.000	0.008	0.000
026	2014/09/12	09:17:19	0.000	0.000	0.000
027	2014/09/12	09:18:19	0.000	0.000	0.000
028	2014/09/12	09:19:19	0.000	0.000	0.000
029	2014/09/12	09:20:19	0.000	0.000	0.000
030	2014/09/12	09:21:19	0.000	0.000	0.000
031	2014/09/12	09:22:19	0.000	0.000	0.000
032	2014/09/12	09:23:19	0.000	0.000	0.000
033	2014/09/12	09:24:19	0.000	0.000	0.000
034	2014/09/12	09:25:19	0.000	0.000	0.000
035	2014/09/12	09:26:19	0.000	0.000	0.000
036	2014/09/12	09:27:19	0.000	0.000	0.000
037	2014/09/12	09:28:19	0.000	0.000	0.000
038	2014/09/12	09:29:19	0.000	0.000	0.000
039	2014/09/12	09:30:19	0.001	0.022	0.000
040	2014/09/12	09:31:19	0.000	0.000	0.000
041	2014/09/12	09:32:19	0.000	0.000	0.000
042	2014/09/12	09:33:19	0.000	0.000	0.000
043	2014/09/12	09:34:19	0.000	0.000	0.000
044	2014/09/12	09:35:19	0.000	0.000	0.000
045	2014/09/12	09:36:19	0.000	0.000	0.000
046	2014/09/12	09:37:19	0.000	0.000	0.000
047	2014/09/12	09:38:19	0.000	0.000	0.000
048	2014/09/12	09:39:19	0.000	0.000	0.000
049	2014/09/12	09:40:19	0.000	0.000	0.000
050	2014/09/12	09:41:19	0.000	0.000	0.000
051	2014/09/12	09:42:19	0.024	0.275	0.000
052	2014/09/12	09:43:19	0.020	0.189	0.000
053	2014/09/12	09:44:19	0.001	0.018	0.000
054	2014/09/12	09:45:19	0.000	0.000	0.000
055	2014/09/12	09:46:19	0.000	0.000	0.000
056	2014/09/12	09:47:19	0.000	0.000	0.000
057	2014/09/12	09:48:19	0.000	0.000	0.000
058	2014/09/12	09:49:19	0.000	0.000	0.000
059	2014/09/12	09:50:19	0.000	0.000	0.000
060	2014/09/12	09:51:19	0.000	0.000	0.000
061	2014/09/12	09:52:19	0.000	0.000	0.000
062	2014/09/12	09:53:19	0.000	0.000	0.000
063	2014/09/12	09:54:19	0.000	0.000	0.000
064	2014/09/12	09:55:19	0.000	0.000	0.000
065	2014/09/12	09:56:19	0.003	0.041	0.000
066	2014/09/12	09:57:19	0.001	0.024	0.000
067	2014/09/12	09:58:19	0.000	0.000	0.000
068	2014/09/12	09:59:19	0.000	0.000	0.000
069	2014/09/12	10:00:19	0.000	0.000	0.000
070	2014/09/12	10:01:19	0.000	0.000	0.000
071	2014/09/12	10:02:19	0.000	0.000	0.000
072	2014/09/12	10:03:19	0.000	0.000	0.000
073	2014/09/12	10:04:19	0.000	0.000	0.000
074	2014/09/12	10:05:19	0.000	0.000	0.000
075	2014/09/12	10:06:19	0.000	0.000	0.000
076	2014/09/12	10:07:19	0.000	0.000	0.000
077	2014/09/12	10:08:19	0.000	0.000	0.000
078	2014/09/12	10:09:19	0.000	0.000	0.000
079	2014/09/12	10:10:19	0.000	0.000	0.000
080	2014/09/12	10:11:19	0.002	0.034	0.000
081	2014/09/12	10:12:19	0.000	0.000	0.000
082	2014/09/12	10:13:19	0.000	0.000	0.000
083	2014/09/12	10:14:19	0.000	0.000	0.000
084	2014/09/12	10:15:19	0.000	0.000	0.000

085	2014/09/12	10:16:19	0.000	0.000	0.000
086	2014/09/12	10:17:19	0.000	0.000	0.000
087	2014/09/12	10:18:19	0.000	0.000	0.000
088	2014/09/12	10:19:19	0.000	0.000	0.000
089	2014/09/12	10:20:19	0.000	0.000	0.000
090	2014/09/12	10:21:19	0.001	0.028	0.000
091	2014/09/12	10:22:19	0.000	0.000	0.000
092	2014/09/12	10:23:19	0.000	0.000	0.000
093	2014/09/12	10:24:19	0.000	0.000	0.000
094	2014/09/12	10:25:19	0.000	0.000	0.000
095	2014/09/12	10:26:19	0.000	0.000	0.000
096	2014/09/12	10:27:19	0.000	0.000	0.000
097	2014/09/12	10:28:19	0.000	0.000	0.000
098	2014/09/12	10:29:19	0.000	0.000	0.000
099	2014/09/12	10:30:19	0.000	0.000	0.000
100	2014/09/12	10:31:19	0.000	0.000	0.000
101	2014/09/12	10:32:19	0.000	0.000	0.000
102	2014/09/12	10:33:19	0.000	0.000	0.000
103	2014/09/12	10:34:19	0.000	0.000	0.000
104	2014/09/12	10:35:19	0.000	0.000	0.000
105	2014/09/12	10:36:19	0.000	0.000	0.000
106	2014/09/12	10:37:19	0.000	0.000	0.000
107	2014/09/12	10:38:19	0.000	0.000	0.000
108	2014/09/12	10:39:19	0.000	0.000	0.000
109	2014/09/12	10:40:19	0.000	0.000	0.000
110	2014/09/12	10:41:19	0.000	0.000	0.000
111	2014/09/12	10:42:19	0.000	0.000	0.000
112	2014/09/12	10:43:19	0.000	0.000	0.000
113	2014/09/12	10:44:19	0.000	0.000	0.000
114	2014/09/12	10:45:19	0.000	0.000	0.000
115	2014/09/12	10:46:19	0.000	0.000	0.000
116	2014/09/12	10:47:19	0.000	0.000	0.000
117	2014/09/12	10:48:19	0.000	0.000	0.000
118	2014/09/12	10:49:19	0.000	0.000	0.000
119	2014/09/12	10:50:19	0.000	0.000	0.000
120	2014/09/12	10:51:19	0.000	0.000	0.000
121	2014/09/12	10:52:19	0.000	0.000	0.000
122	2014/09/12	10:53:19	0.000	0.000	0.000
123	2014/09/12	10:54:19	0.000	0.000	0.000
124	2014/09/12	10:55:19	0.000	0.000	0.000
125	2014/09/12	10:56:19	0.000	0.000	0.000
126	2014/09/12	10:57:19	0.000	0.000	0.000
127	2014/09/12	10:58:19	0.000	0.000	0.000
128	2014/09/12	10:59:19	0.023	0.217	0.209
129	2014/09/12	11:00:19	0.079	0.230	0.000
130	2014/09/12	11:01:19	0.000	0.000	0.000
131	2014/09/12	11:02:19	0.000	0.000	0.000
132	2014/09/12	11:03:19	0.000	0.000	0.000
133	2014/09/12	11:04:19	0.000	0.000	0.000
134	2014/09/12	11:05:19	0.006	0.090	0.000
135	2014/09/12	11:06:19	0.000	0.000	0.000
136	2014/09/12	11:07:19	0.000	0.000	0.000
137	2014/09/12	11:08:19	0.004	0.037	0.000
138	2014/09/12	11:09:19	0.000	0.000	0.000
139	2014/09/12	11:10:19	0.003	0.048	0.000
140	2014/09/12	11:11:19	0.000	0.000	0.000
141	2014/09/12	11:12:19	0.003	0.044	0.000
142	2014/09/12	11:13:19	0.003	0.025	0.000
143	2014/09/12	11:14:19	0.002	0.028	0.000
144	2014/09/12	11:15:19	0.001	0.015	0.000
145	2014/09/12	11:16:19	0.000	0.000	0.000
146	2014/09/12	11:17:19	0.000	0.000	0.000
147	2014/09/12	11:18:19	0.000	0.000	0.000

148	2014/09/12	11:19:19	0.000	0.000	0.000
149	2014/09/12	11:20:19	0.000	0.000	0.000
150	2014/09/12	11:21:19	0.000	0.000	0.000
151	2014/09/12	11:22:19	0.000	0.000	0.000
152	2014/09/12	11:23:19	0.000	0.000	0.000
153	2014/09/12	11:24:19	0.000	0.000	0.000
154	2014/09/12	11:25:19	0.000	0.000	0.000
155	2014/09/12	11:26:19	0.000	0.000	0.000
156	2014/09/12	11:27:19	0.000	0.000	0.000
157	2014/09/12	11:28:19	0.000	0.000	0.000
158	2014/09/12	11:29:19	0.000	0.003	0.003
159	2014/09/12	11:30:19	0.015	0.169	0.013
160	2014/09/12	11:31:19	0.001	0.024	0.000
161	2014/09/12	11:32:19	0.000	0.000	0.000
162	2014/09/12	11:33:19	0.000	0.000	0.000
163	2014/09/12	11:34:19	0.010	0.152	0.000
164	2014/09/12	11:35:19	0.000	0.000	0.000
165	2014/09/12	11:36:19	0.000	0.000	0.000
166	2014/09/12	11:37:19	0.000	0.000	0.000
167	2014/09/12	11:38:19	0.000	0.000	0.000
168	2014/09/12	11:39:19	0.000	0.000	0.000
169	2014/09/12	11:40:19	0.004	0.070	0.000
170	2014/09/12	11:41:19	0.006	0.065	0.000
171	2014/09/12	11:42:19	0.018	0.170	0.000
172	2014/09/12	11:43:19	0.004	0.061	0.061
173	2014/09/12	11:44:19	0.000	0.009	0.000
174	2014/09/12	11:45:19	0.000	0.000	0.000
175	2014/09/12	11:46:19	0.000	0.000	0.000
176	2014/09/12	11:47:19	0.001	0.025	0.000
177	2014/09/12	11:48:19	0.000	0.000	0.000
178	2014/09/12	11:49:19	0.000	0.000	0.000
179	2014/09/12	11:50:19	0.000	0.000	0.000
180	2014/09/12	11:51:19	0.000	0.000	0.000
181	2014/09/12	11:52:19	0.000	0.000	0.000
182	2014/09/12	11:53:19	0.000	0.000	0.000
183	2014/09/12	11:54:19	0.000	0.000	0.000
184	2014/09/12	11:55:19	0.000	0.000	0.000
185	2014/09/12	11:56:19	0.110	0.886	0.000
186	2014/09/12	11:57:19	0.000	0.000	0.000
187	2014/09/12	11:58:19	0.000	0.000	0.000
188	2014/09/12	11:59:19	0.000	0.000	0.000
189	2014/09/12	12:00:19	0.000	0.000	0.000
190	2014/09/12	12:01:19	0.000	0.000	0.000
191	2014/09/12	12:02:19	0.000	0.000	0.000
192	2014/09/12	12:03:19	0.000	0.000	0.000
193	2014/09/12	12:04:19	0.000	0.000	0.000
194	2014/09/12	12:05:19	0.000	0.000	0.000
195	2014/09/12	12:06:19	0.000	0.000	0.000
196	2014/09/12	12:07:19	0.000	0.000	0.000
197	2014/09/12	12:08:19	0.000	0.000	0.000
198	2014/09/12	12:09:19	0.000	0.000	0.000
199	2014/09/12	12:10:19	0.000	0.000	0.000
200	2014/09/12	12:11:19	0.000	0.000	0.000
201	2014/09/12	12:12:19	0.000	0.000	0.000
202	2014/09/12	12:13:19	0.000	0.000	0.000
203	2014/09/12	12:14:19	0.000	0.000	0.000
204	2014/09/12	12:15:19	0.000	0.000	0.000
205	2014/09/12	12:16:19	0.000	0.000	0.000
206	2014/09/12	12:17:19	0.000	0.000	0.000
207	2014/09/12	12:18:19	0.000	0.000	0.000
208	2014/09/12	12:19:19	0.000	0.000	0.000
209	2014/09/12	12:20:19	0.000	0.000	0.000
210	2014/09/12	12:21:19	0.000	0.000	0.000

211	2014/09/12	12:22:19	0.000	0.000	0.000
212	2014/09/12	12:23:19	0.000	0.000	0.000
213	2014/09/12	12:24:19	0.000	0.000	0.000
214	2014/09/12	12:25:19	0.000	0.000	0.000
215	2014/09/12	12:26:19	0.000	0.000	0.000
216	2014/09/12	12:27:19	0.000	0.000	0.000
217	2014/09/12	12:28:19	0.000	0.000	0.000
218	2014/09/12	12:29:19	0.000	0.000	0.000
219	2014/09/12	12:30:19	0.000	0.000	0.000
220	2014/09/12	12:31:19	0.000	0.004	0.000
221	2014/09/12	12:32:19	0.000	0.000	0.000
222	2014/09/12	12:33:19	0.000	0.000	0.000
223	2014/09/12	12:34:19	0.124	1.468	0.030
224	2014/09/12	12:35:19	0.007	0.107	0.000
225	2014/09/12	12:36:19	0.101	0.773	0.550
226	2014/09/12	12:37:19	0.012	0.400	0.000
227	2014/09/12	12:38:19	0.245	1.291	0.000
228	2014/09/12	12:39:19	0.056	0.677	0.677
229	2014/09/12	12:40:19	0.244	1.032	0.169
230	2014/09/12	12:41:19	0.164	1.172	0.082
231	2014/09/12	12:42:19	0.089	0.537	0.000
232	2014/09/12	12:43:19	0.002	0.035	0.000
233	2014/09/12	12:44:19	0.000	0.000	0.000
234	2014/09/12	12:45:19	0.000	0.000	0.000
235	2014/09/12	12:46:19	0.000	0.000	0.000
236	2014/09/12	12:47:19	0.000	0.000	0.000
237	2014/09/12	12:48:19	0.000	0.000	0.000
238	2014/09/12	12:49:19	0.000	0.000	0.000
239	2014/09/12	12:50:19	0.000	0.000	0.000
240	2014/09/12	12:51:19	0.000	0.000	0.000
241	2014/09/12	12:52:19	0.000	0.000	0.000
242	2014/09/12	12:53:19	0.000	0.000	0.000
243	2014/09/12	12:54:19	0.000	0.000	0.000
244	2014/09/12	12:55:19	0.000	0.000	0.000
245	2014/09/12	12:56:19	0.000	0.000	0.000
246	2014/09/12	12:57:19	0.170	0.518	0.128
247	2014/09/12	12:58:19	0.011	0.135	0.012
248	2014/09/12	12:59:19	0.125	0.602	0.000
249	2014/09/12	13:00:19	0.000	0.013	0.000
250	2014/09/12	13:01:19	0.000	0.000	0.000
251	2014/09/12	13:02:19	0.175	0.857	0.000
252	2014/09/12	13:03:19	0.111	0.705	0.000
253	2014/09/12	13:04:19	0.007	0.069	0.013
254	2014/09/12	13:05:19	0.034	0.280	0.000
255	2014/09/12	13:06:19	0.061	0.486	0.002
256	2014/09/12	13:07:19	0.000	0.002	0.000
257	2014/09/12	13:08:19	0.030	0.216	0.005
258	2014/09/12	13:09:19	0.000	0.009	0.000
259	2014/09/12	13:10:19	0.175	1.490	0.000
260	2014/09/12	13:11:19	0.072	0.381	0.000
261	2014/09/12	13:12:19	0.211	0.970	0.000
262	2014/09/12	13:13:19	0.000	0.000	0.000
263	2014/09/12	13:14:19	0.000	0.000	0.000
264	2014/09/12	13:15:19	0.018	0.273	0.000
265	2014/09/12	13:16:19	0.000	0.000	0.000
266	2014/09/12	13:17:19	0.009	0.089	0.000
267	2014/09/12	13:18:19	0.095	0.615	0.018
268	2014/09/12	13:19:19	0.179	0.837	0.000
269	2014/09/12	13:20:19	0.000	0.000	0.000
270	2014/09/12	13:21:19	0.000	0.000	0.000
271	2014/09/12	13:22:19	0.146	1.482	1.345
272	2014/09/12	13:23:19	0.101	1.281	0.000
273	2014/09/12	13:24:19	0.003	0.044	0.000

274	2014/09/12	13:25:19	0.208	0.870	0.026
275	2014/09/12	13:26:19	0.037	0.391	0.085
276	2014/09/12	13:27:19	0.134	1.075	0.000
277	2014/09/12	13:28:19	0.000	0.000	0.000
278	2014/09/12	13:29:19	0.000	0.000	0.000
279	2014/09/12	13:30:19	0.000	0.000	0.000
280	2014/09/12	13:31:19	0.000	0.000	0.000
281	2014/09/12	13:32:19	0.000	0.000	0.000
282	2014/09/12	13:33:19	0.000	0.000	0.000
283	2014/09/12	13:34:19	0.000	0.000	0.000
284	2014/09/12	13:35:19	0.000	0.000	0.000
285	2014/09/12	13:36:19	0.000	0.000	0.000
286	2014/09/12	13:37:19	0.000	0.000	0.000
287	2014/09/12	13:38:19	0.000	0.000	0.000
288	2014/09/12	13:39:19	0.000	0.000	0.000
289	2014/09/12	13:40:19	0.000	0.000	0.000
290	2014/09/12	13:41:19	0.000	0.000	0.000
291	2014/09/12	13:42:19	0.000	0.000	0.000
292	2014/09/12	13:43:19	0.000	0.000	0.000
293	2014/09/12	13:44:19	0.000	0.000	0.000
294	2014/09/12	13:45:19	0.000	0.000	0.000
295	2014/09/12	13:46:19	0.000	0.000	0.000
296	2014/09/12	13:47:19	0.000	0.000	0.000
297	2014/09/12	13:48:19	0.000	0.000	0.000
298	2014/09/12	13:49:19	0.000	0.000	0.000
299	2014/09/12	13:50:19	0.000	0.000	0.000
300	2014/09/12	13:51:19	0.000	0.000	0.000
301	2014/09/12	13:52:19	0.000	0.000	0.000
302	2014/09/12	13:53:19	0.000	0.000	0.000
303	2014/09/12	13:54:19	0.000	0.000	0.000
304	2014/09/12	13:55:19	0.000	0.000	0.000
305	2014/09/12	13:56:19	0.000	0.000	0.000
306	2014/09/12	13:57:19	2.101	16.335	0.000
307	2014/09/12	13:58:19	0.011	0.155	0.000
308	2014/09/12	13:59:19	0.002	0.029	0.000
309	2014/09/12	14:00:19	0.000	0.000	0.000
310	2014/09/12	14:01:19	0.000	0.000	0.000
311	2014/09/12	14:02:19	0.000	0.000	0.000
312	2014/09/12	14:03:19	0.000	0.000	0.000
313	2014/09/12	14:04:19	0.000	0.000	0.000
314	2014/09/12	14:05:19	0.000	0.000	0.000
315	2014/09/12	14:06:19	0.000	0.000	0.000
316	2014/09/12	14:07:19	0.000	0.000	0.000
317	2014/09/12	14:08:19	0.000	0.000	0.000
318	2014/09/12	14:09:19	0.000	0.000	0.000
319	2014/09/12	14:10:19	0.000	0.000	0.000
320	2014/09/12	14:11:19	0.000	0.000	0.000
321	2014/09/12	14:12:19	0.000	0.000	0.000
322	2014/09/12	14:13:19	0.000	0.000	0.000
323	2014/09/12	14:14:19	0.000	0.000	0.000
324	2014/09/12	14:15:19	0.000	0.000	0.000
325	2014/09/12	14:16:19	0.000	0.000	0.000
326	2014/09/12	14:17:19	0.000	0.000	0.000
327	2014/09/12	14:18:19	0.000	0.000	0.000
328	2014/09/12	14:19:19	0.000	0.000	0.000
329	2014/09/12	14:20:19	0.000	0.000	0.000
330	2014/09/12	14:21:19	0.000	0.000	0.000
331	2014/09/12	14:22:19	0.000	0.000	0.000
332	2014/09/12	14:23:19	0.000	0.000	0.000
333	2014/09/12	14:24:19	0.000	0.000	0.000
334	2014/09/12	14:25:19	0.000	0.000	0.000
335	2014/09/12	14:26:19	0.000	0.000	0.000
336	2014/09/12	14:27:19	0.000	0.000	0.000

337	2014/09/12	14:28:19	0.000	0.000	0.000
338	2014/09/12	14:29:19	0.000	0.000	0.000
339	2014/09/12	14:30:19	0.000	0.000	0.000
340	2014/09/12	14:31:19	0.000	0.000	0.000
341	2014/09/12	14:32:19	0.000	0.000	0.000
342	2014/09/12	14:33:19	0.000	0.000	0.000
343	2014/09/12	14:34:19	0.000	0.000	0.000
344	2014/09/12	14:35:19	0.000	0.000	0.000
345	2014/09/12	14:36:19	0.000	0.000	0.000
346	2014/09/12	14:37:19	0.000	0.000	0.000
347	2014/09/12	14:38:19	0.000	0.000	0.000
348	2014/09/12	14:39:19	0.000	0.000	0.000
349	2014/09/12	14:40:19	0.000	0.000	0.000
350	2014/09/12	14:41:19	0.000	0.000	0.000
351	2014/09/12	14:42:19	0.000	0.000	0.000
352	2014/09/12	14:43:19	0.000	0.000	0.000
353	2014/09/12	14:44:19	0.000	0.000	0.000
354	2014/09/12	14:45:19	0.000	0.000	0.000
355	2014/09/12	14:46:19	0.000	0.000	0.000
356	2014/09/12	14:47:19	0.000	0.000	0.000
357	2014/09/12	14:48:19	0.000	0.000	0.000
358	2014/09/12	14:49:19	0.000	0.000	0.000
359	2014/09/12	14:50:19	0.000	0.000	0.000
360	2014/09/12	14:51:19	0.000	0.000	0.000
361	2014/09/12	14:52:19	0.000	0.000	0.000
362	2014/09/12	14:53:19	0.000	0.000	0.000
363	2014/09/12	14:54:19	0.000	0.000	0.000
364	2014/09/12	14:55:19	0.000	0.000	0.000
365	2014/09/12	14:56:19	0.000	0.000	0.000
366	2014/09/12	14:57:19	0.000	0.000	0.000
367	2014/09/12	14:58:19	0.000	0.000	0.000
368	2014/09/12	14:59:19	0.000	0.000	0.000
369	2014/09/12	15:00:19	0.000	0.000	0.000
370	2014/09/12	15:01:19	0.000	0.000	0.000
371	2014/09/12	15:02:19	0.000	0.000	0.000
372	2014/09/12	15:03:19	0.000	0.000	0.000
373	2014/09/12	15:04:19	0.000	0.000	0.000
374	2014/09/12	15:05:19	0.000	0.000	0.000
375	2014/09/12	15:06:19	0.000	0.000	0.000
376	2014/09/12	15:07:19	0.000	0.000	0.000
377	2014/09/12	15:08:19	0.000	0.000	0.000
378	2014/09/12	15:09:19	0.000	0.000	0.000
379	2014/09/12	15:10:19	0.000	0.000	0.000
380	2014/09/12	15:11:19	0.000	0.000	0.000
381	2014/09/12	15:12:19	0.000	0.000	0.000
382	2014/09/12	15:13:19	0.000	0.000	0.000
383	2014/09/12	15:14:19	0.000	0.000	0.000
384	2014/09/12	15:15:19	0.001	0.015	0.000
385	2014/09/12	15:16:19	0.000	0.000	0.000
386	2014/09/12	15:17:19	0.000	0.000	0.000
387	2014/09/12	15:18:19	0.000	0.000	0.000
388	2014/09/12	15:19:19	0.000	0.000	0.000
389	2014/09/12	15:20:19	0.000	0.000	0.000
390	2014/09/12	15:21:19	0.000	0.000	0.000
391	2014/09/12	15:22:19	0.000	0.000	0.000
392	2014/09/12	15:23:19	0.000	0.000	0.000
393	2014/09/12	15:24:19	0.000	0.000	0.000
394	2014/09/12	15:25:19	0.000	0.000	0.000
395	2014/09/12	15:26:19	0.000	0.000	0.000
396	2014/09/12	15:27:19	0.000	0.000	0.000
397	2014/09/12	15:28:19	0.000	0.000	0.000
398	2014/09/12	15:29:19	0.000	0.000	0.000
399	2014/09/12	15:30:19	0.000	0.000	0.000

400	2014/09/12	15:31:19	0.000	0.000	0.000
401	2014/09/12	15:32:19	0.000	0.000	0.000
402	2014/09/12	15:33:19	0.000	0.000	0.000
403	2014/09/12	15:34:19	0.000	0.000	0.000
404	2014/09/12	15:35:19	0.000	0.000	0.000
405	2014/09/12	15:36:19	0.000	0.000	0.000
406	2014/09/12	15:37:19	0.000	0.000	0.000
407	2014/09/12	15:38:19	0.000	0.000	0.000
408	2014/09/12	15:39:19	0.000	0.000	0.000
409	2014/09/12	15:40:19	0.000	0.000	0.000
410	2014/09/12	15:41:19	0.000	0.000	0.000
411	2014/09/12	15:42:19	0.000	0.000	0.000
412	2014/09/12	15:43:19	0.000	0.000	0.000
413	2014/09/12	15:44:19	0.000	0.000	0.000
414	2014/09/12	15:45:19	0.000	0.000	0.000
415	2014/09/12	15:46:19	0.000	0.000	0.000
416	2014/09/12	15:47:19	0.000	0.000	0.000
417	2014/09/12	15:48:19	0.000	0.000	0.000
418	2014/09/12	15:49:19	0.000	0.000	0.000
419	2014/09/12	15:50:19	0.000	0.002	0.000
420	2014/09/12	15:51:19	0.000	0.000	0.000
421	2014/09/12	15:52:19	0.000	0.000	0.000
422	2014/09/12	15:53:19	0.000	0.000	0.000
423	2014/09/12	15:54:19	0.000	0.000	0.000
424	2014/09/12	15:55:19	0.000	0.000	0.000
425	2014/09/12	15:56:19	0.000	0.000	0.000
426	2014/09/12	15:57:19	0.000	0.000	0.000
427	2014/09/12	15:58:19	0.000	0.000	0.000
428	2014/09/12	15:59:19	0.000	0.000	0.000
429	2014/09/12	16:00:19	0.000	0.000	0.000
430	2014/09/12	16:01:19	0.000	0.000	0.000
431	2014/09/12	16:02:19	0.000	0.000	0.000
432	2014/09/12	16:03:19	0.000	0.000	0.000
433	2014/09/12	16:04:19	0.000	0.000	0.000
434	2014/09/12	16:05:19	0.000	0.000	0.000
435	2014/09/12	16:06:19	0.000	0.000	0.000
436	2014/09/12	16:07:19	0.000	0.000	0.000
437	2014/09/12	16:08:19	0.000	0.000	0.000
438	2014/09/12	16:09:19	0.000	0.000	0.000
439	2014/09/12	16:10:19	0.000	0.000	0.000
440	2014/09/12	16:11:19	0.000	0.000	0.000
441	2014/09/12	16:12:19	0.000	0.000	0.000
442	2014/09/12	16:13:19	0.000	0.000	0.000
443	2014/09/12	16:14:19	0.000	0.000	0.000
444	2014/09/12	16:15:19	0.000	0.000	0.000
445	2014/09/12	16:16:19	0.000	0.000	0.000
446	2014/09/12	16:17:19	0.000	0.000	0.000
447	2014/09/12	16:18:19	0.000	0.000	0.000
448	2014/09/12	16:19:19	0.000	0.000	0.000
449	2014/09/12	16:20:19	0.000	0.000	0.000
450	2014/09/12	16:21:19	0.004	0.067	0.000
451	2014/09/12	16:22:19	0.000	0.000	0.000
452	2014/09/12	16:23:19	0.000	0.000	0.000
453	2014/09/12	16:24:19	0.000	0.000	0.000
454	2014/09/12	16:25:19	0.000	0.000	0.000
455	2014/09/12	16:26:19	0.000	0.000	0.000
456	2014/09/12	16:27:19	0.000	0.000	0.000
Peak			2.101	16.335	1.345
Min			0.000	0.000	0.000
Average			0.012	0.090	0.008

****

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2014/09/12 08:52:19	0.000	---
002	2014/09/12 08:53:19	0.000	---
003	2014/09/12 08:54:19	0.000	---
004	2014/09/12 08:55:19	0.000	---
005	2014/09/12 08:56:19	0.000	---
006	2014/09/12 08:57:19	0.000	---
007	2014/09/12 08:58:19	0.000	---
008	2014/09/12 08:59:19	0.000	---
009	2014/09/12 09:00:19	0.000	---
010	2014/09/12 09:01:19	0.000	---
011	2014/09/12 09:02:19	0.000	---
012	2014/09/12 09:03:19	0.000	---
013	2014/09/12 09:04:19	0.000	---
014	2014/09/12 09:05:19	0.000	---
015	2014/09/12 09:06:19	0.000	0.000
016	2014/09/12 09:07:19	0.000	0.000
017	2014/09/12 09:08:19	0.000	0.000
018	2014/09/12 09:09:19	0.000	0.000
019	2014/09/12 09:10:19	0.000	0.000
020	2014/09/12 09:11:19	0.000	0.000
021	2014/09/12 09:12:19	0.000	0.000
022	2014/09/12 09:13:19	0.000	0.000
023	2014/09/12 09:14:19	0.000	0.000
024	2014/09/12 09:15:19	0.000	0.001
025	2014/09/12 09:16:19	0.000	0.001
026	2014/09/12 09:17:19	0.000	0.001
027	2014/09/12 09:18:19	0.000	0.001
028	2014/09/12 09:19:19	0.000	0.001
029	2014/09/12 09:20:19	0.000	0.001
030	2014/09/12 09:21:19	0.000	0.001
031	2014/09/12 09:22:19	0.000	0.001
032	2014/09/12 09:23:19	0.000	0.001
033	2014/09/12 09:24:19	0.000	0.001
034	2014/09/12 09:25:19	0.000	0.001
035	2014/09/12 09:26:19	0.000	0.001
036	2014/09/12 09:27:19	0.000	0.001
037	2014/09/12 09:28:19	0.000	0.001
038	2014/09/12 09:29:19	0.000	0.001
039	2014/09/12 09:30:19	0.000	0.000
040	2014/09/12 09:31:19	0.000	0.000
041	2014/09/12 09:32:19	0.000	0.000
042	2014/09/12 09:33:19	0.000	0.000
043	2014/09/12 09:34:19	0.000	0.000
044	2014/09/12 09:35:19	0.000	0.000
045	2014/09/12 09:36:19	0.000	0.000
046	2014/09/12 09:37:19	0.000	0.000
047	2014/09/12 09:38:19	0.000	0.000
048	2014/09/12 09:39:19	0.000	0.000
049	2014/09/12 09:40:19	0.000	0.000
050	2014/09/12 09:41:19	0.000	0.000
051	2014/09/12 09:42:19	0.000	0.000
052	2014/09/12 09:43:19	0.000	0.000
053	2014/09/12 09:44:19	0.000	0.000
054	2014/09/12 09:45:19	0.000	0.000
055	2014/09/12 09:46:19	0.000	0.000
056	2014/09/12 09:47:19	0.000	0.000
057	2014/09/12 09:48:19	0.000	0.000
058	2014/09/12 09:49:19	0.000	0.000
059	2014/09/12 09:50:19	0.000	0.000
060	2014/09/12 09:51:19	0.000	0.000
061	2014/09/12 09:52:19	0.000	0.000

062	2014/09/12	09:53:19	0.000	0.000
063	2014/09/12	09:54:19	0.000	0.000
064	2014/09/12	09:55:19	0.000	0.000
065	2014/09/12	09:56:19	0.000	0.000
066	2014/09/12	09:57:19	0.000	0.000
067	2014/09/12	09:58:19	0.000	0.000
068	2014/09/12	09:59:19	0.000	0.000
069	2014/09/12	10:00:19	0.000	0.000
070	2014/09/12	10:01:19	0.000	0.000
071	2014/09/12	10:02:19	0.000	0.000
072	2014/09/12	10:03:19	0.000	0.000
073	2014/09/12	10:04:19	0.000	0.000
074	2014/09/12	10:05:19	0.000	0.000
075	2014/09/12	10:06:19	0.000	0.000
076	2014/09/12	10:07:19	0.000	0.000
077	2014/09/12	10:08:19	0.000	0.000
078	2014/09/12	10:09:19	0.000	0.000
079	2014/09/12	10:10:19	0.000	0.000
080	2014/09/12	10:11:19	0.000	0.000
081	2014/09/12	10:12:19	0.000	0.000
082	2014/09/12	10:13:19	0.000	0.000
083	2014/09/12	10:14:19	0.000	0.000
084	2014/09/12	10:15:19	0.000	0.000
085	2014/09/12	10:16:19	0.000	0.000
086	2014/09/12	10:17:19	0.000	0.000
087	2014/09/12	10:18:19	0.000	0.000
088	2014/09/12	10:19:19	0.000	0.000
089	2014/09/12	10:20:19	0.000	0.000
090	2014/09/12	10:21:19	0.000	0.000
091	2014/09/12	10:22:19	0.000	0.000
092	2014/09/12	10:23:19	0.000	0.000
093	2014/09/12	10:24:19	0.000	0.000
094	2014/09/12	10:25:19	0.000	0.000
095	2014/09/12	10:26:19	0.000	0.000
096	2014/09/12	10:27:19	0.000	0.000
097	2014/09/12	10:28:19	0.000	0.000
098	2014/09/12	10:29:19	0.000	0.000
099	2014/09/12	10:30:19	0.000	0.000
100	2014/09/12	10:31:19	0.000	0.000
101	2014/09/12	10:32:19	0.000	0.000
102	2014/09/12	10:33:19	0.000	0.000
103	2014/09/12	10:34:19	0.000	0.000
104	2014/09/12	10:35:19	0.000	0.000
105	2014/09/12	10:36:19	0.000	0.000
106	2014/09/12	10:37:19	0.000	0.000
107	2014/09/12	10:38:19	0.000	0.000
108	2014/09/12	10:39:19	0.000	0.000
109	2014/09/12	10:40:19	0.000	0.000
110	2014/09/12	10:41:19	0.000	0.000
111	2014/09/12	10:42:19	0.000	0.000
112	2014/09/12	10:43:19	0.000	0.000
113	2014/09/12	10:44:19	0.000	0.000
114	2014/09/12	10:45:19	0.000	0.000
115	2014/09/12	10:46:19	0.000	0.000
116	2014/09/12	10:47:19	0.000	0.000
117	2014/09/12	10:48:19	0.000	0.000
118	2014/09/12	10:49:19	0.000	0.000
119	2014/09/12	10:50:19	0.000	0.000
120	2014/09/12	10:51:19	0.000	0.000
121	2014/09/12	10:52:19	0.000	0.000
122	2014/09/12	10:53:19	0.000	0.000
123	2014/09/12	10:54:19	0.000	0.000
124	2014/09/12	10:55:19	0.000	0.000

125	2014/09/12	10:56:19	0.000	0.000
126	2014/09/12	10:57:19	0.000	0.000
127	2014/09/12	10:58:19	0.000	0.000
128	2014/09/12	10:59:19	0.000	0.014
129	2014/09/12	11:00:19	0.000	0.014
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132	2014/09/12	11:03:19	0.000	0.014
133	2014/09/12	11:04:19	0.000	0.014
134	2014/09/12	11:05:19	0.000	0.014
135	2014/09/12	11:06:19	0.000	0.014
136	2014/09/12	11:07:19	0.000	0.014
137	2014/09/12	11:08:19	0.000	0.014
138	2014/09/12	11:09:19	0.000	0.014
139	2014/09/12	11:10:19	0.000	0.014
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141	2014/09/12	11:12:19	0.000	0.014
142	2014/09/12	11:13:19	0.000	0.014
143	2014/09/12	11:14:19	0.000	0.000
144	2014/09/12	11:15:19	0.000	0.000
145	2014/09/12	11:16:19	0.000	0.000
146	2014/09/12	11:17:19	0.000	0.000
147	2014/09/12	11:18:19	0.000	0.000
148	2014/09/12	11:19:19	0.000	0.000
149	2014/09/12	11:20:19	0.000	0.000
150	2014/09/12	11:21:19	0.000	0.000
151	2014/09/12	11:22:19	0.000	0.000
152	2014/09/12	11:23:19	0.000	0.000
153	2014/09/12	11:24:19	0.000	0.000
154	2014/09/12	11:25:19	0.000	0.000
155	2014/09/12	11:26:19	0.000	0.000
156	2014/09/12	11:27:19	0.000	0.000
157	2014/09/12	11:28:19	0.000	0.000
158	2014/09/12	11:29:19	0.000	0.000
159	2014/09/12	11:30:19	0.001	0.001
160	2014/09/12	11:31:19	0.001	0.001
161	2014/09/12	11:32:19	0.001	0.001
162	2014/09/12	11:33:19	0.001	0.001
163	2014/09/12	11:34:19	0.001	0.001
164	2014/09/12	11:35:19	0.001	0.001
165	2014/09/12	11:36:19	0.001	0.001
166	2014/09/12	11:37:19	0.001	0.001
167	2014/09/12	11:38:19	0.001	0.001
168	2014/09/12	11:39:19	0.001	0.001
169	2014/09/12	11:40:19	0.001	0.001
170	2014/09/12	11:41:19	0.001	0.001
171	2014/09/12	11:42:19	0.001	0.001
172	2014/09/12	11:43:19	0.001	0.005
173	2014/09/12	11:44:19	0.001	0.005
174	2014/09/12	11:45:19	0.001	0.004
175	2014/09/12	11:46:19	0.001	0.004
176	2014/09/12	11:47:19	0.001	0.004
177	2014/09/12	11:48:19	0.001	0.004
178	2014/09/12	11:49:19	0.001	0.004
179	2014/09/12	11:50:19	0.001	0.004
180	2014/09/12	11:51:19	0.001	0.004
181	2014/09/12	11:52:19	0.001	0.004
182	2014/09/12	11:53:19	0.001	0.004
183	2014/09/12	11:54:19	0.001	0.004
184	2014/09/12	11:55:19	0.001	0.004
185	2014/09/12	11:56:19	0.001	0.004
186	2014/09/12	11:57:19	0.001	0.004
187	2014/09/12	11:58:19	0.001	0.000

188	2014/09/12 11:59:19	0.001	0.000
189	2014/09/12 12:00:19	0.001	0.000
190	2014/09/12 12:01:19	0.001	0.000
191	2014/09/12 12:02:19	0.001	0.000
192	2014/09/12 12:03:19	0.001	0.000
193	2014/09/12 12:04:19	0.001	0.000
194	2014/09/12 12:05:19	0.001	0.000
195	2014/09/12 12:06:19	0.001	0.000
196	2014/09/12 12:07:19	0.001	0.000
197	2014/09/12 12:08:19	0.001	0.000
198	2014/09/12 12:09:19	0.001	0.000
199	2014/09/12 12:10:19	0.001	0.000
200	2014/09/12 12:11:19	0.001	0.000
201	2014/09/12 12:12:19	0.001	0.000
202	2014/09/12 12:13:19	0.001	0.000
203	2014/09/12 12:14:19	0.001	0.000
204	2014/09/12 12:15:19	0.001	0.000
205	2014/09/12 12:16:19	0.001	0.000
206	2014/09/12 12:17:19	0.001	0.000
207	2014/09/12 12:18:19	0.001	0.000
208	2014/09/12 12:19:19	0.001	0.000
209	2014/09/12 12:20:19	0.001	0.000
210	2014/09/12 12:21:19	0.001	0.000
211	2014/09/12 12:22:19	0.001	0.000
212	2014/09/12 12:23:19	0.001	0.000
213	2014/09/12 12:24:19	0.001	0.000
214	2014/09/12 12:25:19	0.001	0.000
215	2014/09/12 12:26:19	0.001	0.000
216	2014/09/12 12:27:19	0.001	0.000
217	2014/09/12 12:28:19	0.001	0.000
218	2014/09/12 12:29:19	0.001	0.000
219	2014/09/12 12:30:19	0.001	0.000
220	2014/09/12 12:31:19	0.001	0.000
221	2014/09/12 12:32:19	0.001	0.000
222	2014/09/12 12:33:19	0.001	0.000
223	2014/09/12 12:34:19	0.001	0.002
224	2014/09/12 12:35:19	0.001	0.002
225	2014/09/12 12:36:19	0.002	0.039
226	2014/09/12 12:37:19	0.002	0.039
227	2014/09/12 12:38:19	0.002	0.039
228	2014/09/12 12:39:19	0.003	0.084
229	2014/09/12 12:40:19	0.004	0.095
230	2014/09/12 12:41:19	0.004	0.101
231	2014/09/12 12:42:19	0.004	0.101
232	2014/09/12 12:43:19	0.004	0.101
233	2014/09/12 12:44:19	0.004	0.101
234	2014/09/12 12:45:19	0.004	0.101
235	2014/09/12 12:46:19	0.004	0.101
236	2014/09/12 12:47:19	0.004	0.101
237	2014/09/12 12:48:19	0.004	0.101
238	2014/09/12 12:49:19	0.004	0.099
239	2014/09/12 12:50:19	0.004	0.099
240	2014/09/12 12:51:19	0.004	0.062
241	2014/09/12 12:52:19	0.004	0.062
242	2014/09/12 12:53:19	0.004	0.062
243	2014/09/12 12:54:19	0.004	0.017
244	2014/09/12 12:55:19	0.004	0.005
245	2014/09/12 12:56:19	0.004	0.000
246	2014/09/12 12:57:19	0.004	0.009
247	2014/09/12 12:58:19	0.004	0.009
248	2014/09/12 12:59:19	0.004	0.009
249	2014/09/12 13:00:19	0.004	0.009
250	2014/09/12 13:01:19	0.004	0.009

251	2014/09/12 13:02:19	0.004	0.009
252	2014/09/12 13:03:19	0.004	0.009
253	2014/09/12 13:04:19	0.004	0.010
254	2014/09/12 13:05:19	0.004	0.010
255	2014/09/12 13:06:19	0.004	0.010
256	2014/09/12 13:07:19	0.004	0.010
257	2014/09/12 13:08:19	0.004	0.011
258	2014/09/12 13:09:19	0.004	0.011
259	2014/09/12 13:10:19	0.004	0.011
260	2014/09/12 13:11:19	0.004	0.011
261	2014/09/12 13:12:19	0.004	0.002
262	2014/09/12 13:13:19	0.004	0.001
263	2014/09/12 13:14:19	0.004	0.001
264	2014/09/12 13:15:19	0.004	0.001
265	2014/09/12 13:16:19	0.004	0.001
266	2014/09/12 13:17:19	0.004	0.001
267	2014/09/12 13:18:19	0.004	0.003
268	2014/09/12 13:19:19	0.004	0.002
269	2014/09/12 13:20:19	0.004	0.002
270	2014/09/12 13:21:19	0.004	0.002
271	2014/09/12 13:22:19	0.007	0.091
272	2014/09/12 13:23:19	0.007	0.091
273	2014/09/12 13:24:19	0.007	0.091
274	2014/09/12 13:25:19	0.007	0.093
275	2014/09/12 13:26:19	0.007	0.098
276	2014/09/12 13:27:19	0.007	0.098
277	2014/09/12 13:28:19	0.007	0.098
278	2014/09/12 13:29:19	0.007	0.098
279	2014/09/12 13:30:19	0.007	0.098
280	2014/09/12 13:31:19	0.007	0.098
281	2014/09/12 13:32:19	0.007	0.098
282	2014/09/12 13:33:19	0.007	0.097
283	2014/09/12 13:34:19	0.007	0.097
284	2014/09/12 13:35:19	0.007	0.097
285	2014/09/12 13:36:19	0.007	0.097
286	2014/09/12 13:37:19	0.007	0.007
287	2014/09/12 13:38:19	0.007	0.007
288	2014/09/12 13:39:19	0.007	0.007
289	2014/09/12 13:40:19	0.007	0.006
290	2014/09/12 13:41:19	0.007	0.000
291	2014/09/12 13:42:19	0.007	0.000
292	2014/09/12 13:43:19	0.007	0.000
293	2014/09/12 13:44:19	0.007	0.000
294	2014/09/12 13:45:19	0.007	0.000
295	2014/09/12 13:46:19	0.007	0.000
296	2014/09/12 13:47:19	0.007	0.000
297	2014/09/12 13:48:19	0.007	0.000
298	2014/09/12 13:49:19	0.007	0.000
299	2014/09/12 13:50:19	0.007	0.000
300	2014/09/12 13:51:19	0.007	0.000
301	2014/09/12 13:52:19	0.007	0.000
302	2014/09/12 13:53:19	0.007	0.000
303	2014/09/12 13:54:19	0.007	0.000
304	2014/09/12 13:55:19	0.007	0.000
305	2014/09/12 13:56:19	0.007	0.000
306	2014/09/12 13:57:19	0.007	0.000
307	2014/09/12 13:58:19	0.007	0.000
308	2014/09/12 13:59:19	0.007	0.000
309	2014/09/12 14:00:19	0.007	0.000
310	2014/09/12 14:01:19	0.007	0.000
311	2014/09/12 14:02:19	0.007	0.000
312	2014/09/12 14:03:19	0.007	0.000
313	2014/09/12 14:04:19	0.007	0.000

314	2014/09/12 14:05:19	0.007	0.000
315	2014/09/12 14:06:19	0.007	0.000
316	2014/09/12 14:07:19	0.007	0.000
317	2014/09/12 14:08:19	0.007	0.000
318	2014/09/12 14:09:19	0.007	0.000
319	2014/09/12 14:10:19	0.007	0.000
320	2014/09/12 14:11:19	0.007	0.000
321	2014/09/12 14:12:19	0.007	0.000
322	2014/09/12 14:13:19	0.007	0.000
323	2014/09/12 14:14:19	0.007	0.000
324	2014/09/12 14:15:19	0.007	0.000
325	2014/09/12 14:16:19	0.007	0.000
326	2014/09/12 14:17:19	0.007	0.000
327	2014/09/12 14:18:19	0.007	0.000
328	2014/09/12 14:19:19	0.007	0.000
329	2014/09/12 14:20:19	0.007	0.000
330	2014/09/12 14:21:19	0.007	0.000
331	2014/09/12 14:22:19	0.007	0.000
332	2014/09/12 14:23:19	0.007	0.000
333	2014/09/12 14:24:19	0.007	0.000
334	2014/09/12 14:25:19	0.007	0.000
335	2014/09/12 14:26:19	0.007	0.000
336	2014/09/12 14:27:19	0.007	0.000
337	2014/09/12 14:28:19	0.007	0.000
338	2014/09/12 14:29:19	0.007	0.000
339	2014/09/12 14:30:19	0.007	0.000
340	2014/09/12 14:31:19	0.007	0.000
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351	2014/09/12 14:42:19	0.007	0.000
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353	2014/09/12 14:44:19	0.007	0.000
354	2014/09/12 14:45:19	0.007	0.000
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431	2014/09/12 16:02:19	0.007	0.000
432	2014/09/12 16:03:19	0.007	0.000
433	2014/09/12 16:04:19	0.007	0.000
434	2014/09/12 16:05:19	0.007	0.000
435	2014/09/12 16:06:19	0.007	0.000
436	2014/09/12 16:07:19	0.007	0.000
437	2014/09/12 16:08:19	0.007	0.000
438	2014/09/12 16:09:19	0.007	0.000
439	2014/09/12 16:10:19	0.007	0.000

440	2014/09/12 16:11:19	0.007	0.000
441	2014/09/12 16:12:19	0.007	0.000
442	2014/09/12 16:13:19	0.007	0.000
443	2014/09/12 16:14:19	0.007	0.000
444	2014/09/12 16:15:19	0.007	0.000
445	2014/09/12 16:16:19	0.007	0.000
446	2014/09/12 16:17:19	0.007	0.000
447	2014/09/12 16:18:19	0.007	0.000
448	2014/09/12 16:19:19	0.007	0.000
449	2014/09/12 16:20:19	0.007	0.000
450	2014/09/12 16:21:19	0.007	0.000
451	2014/09/12 16:22:19	0.007	0.000
452	2014/09/12 16:23:19	0.007	0.000
453	2014/09/12 16:24:19	0.007	0.000
454	2014/09/12 16:25:19	0.007	0.000
455	2014/09/12 16:26:19	0.007	0.000
456	2014/09/12 16:27:19	0.007	0.000

TrakPro Version 4.41 ASCII Data File

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"Test ID:,001"
"Test Abbreviation:,"
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"Start Time:,14:06:10"
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"Log Interval (mm:ss):,15:00"
"Number of points:,8"
"Notes:,"

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",Minimum:,0.005"
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",Date of Minimum:,04/03/2013"
",Maximum:,0.008"
",Time of Maximum:,15:36:10"
",Date of Maximum:,04/03/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,03/20/2013"

"Date,Time,Aerosol"
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"04/03/2013,15:21:10,0.005"
"04/03/2013,15:36:10,0.008"
"04/03/2013,15:51:10,0.007"
"04/03/2013,16:06:10,0.008"

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"Serial Number:,85203023"
"Test ID:,002"
"Test Abbreviation:,"
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"Start Time:,07:41:17"
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"Notes:,"

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",Average:,0.015"
",Minimum:,0.012"
",Time of Minimum:,15:11:17"
",Date of Minimum:,04/04/2013"
",Maximum:,0.019"
",Time of Maximum:,08:56:17"
",Date of Maximum:,04/04/2013"

"Calibration,Sensor:,Aerosol"

",Cal. date,03/20/2013"

"Date,Time,Aerosol"
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"04/04/2013,09:11:17,0.015"
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"04/04/2013,09:41:17,0.013"
"04/04/2013,09:56:17,0.013"
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"04/04/2013,10:26:17,0.015"
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"04/04/2013,11:41:17,0.015"
"04/04/2013,11:56:17,0.015"
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"04/04/2013,12:41:17,0.019"
"04/04/2013,12:56:17,0.018"
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"Serial Number:,85203023"
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"Test Abbreviation:,"
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"Notes:,"

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",Maximum:,0.051"
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"Calibration,Sensor:,Aerosol"

",Cal. date,03/20/2013"

"Date,Time,Aerosol"
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"04/05/2013,08:36:22,0.044"
"04/05/2013,08:51:22,0.041"
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"04/05/2013,09:21:22,0.030"
"04/05/2013,09:36:22,0.023"
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"04/05/2013,10:21:22,0.031"
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"04/05/2013,10:51:22,0.022"
"04/05/2013,11:06:22,0.026"
"04/05/2013,11:21:22,0.028"
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14/09/11 09:42

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-912978
Unit Firmware Ver V1.20A

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2014/09/11 09:42:53
End 2014/09/11 15:49:56
Sample Period(s) 60
Number of Records 367

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2014/09/09 09:46
Peak 0.569
Min 0.000
Average 0.002

****

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2014/09/11 09:43:53	0.005	0.069	0.000
002	2014/09/11 09:44:53	0.000	0.000	0.000
003	2014/09/11 09:45:53	0.000	0.000	0.000
004	2014/09/11 09:46:53	0.000	0.000	0.000
005	2014/09/11 09:47:53	0.000	0.000	0.000
006	2014/09/11 09:48:53	0.000	0.000	0.000
007	2014/09/11 09:49:53	0.000	0.000	0.000
008	2014/09/11 09:50:53	0.000	0.000	0.000
009	2014/09/11 09:51:53	0.000	0.000	0.000
010	2014/09/11 09:52:53	0.000	0.000	0.000
011	2014/09/11 09:53:53	0.000	0.000	0.000
012	2014/09/11 09:54:53	0.000	0.000	0.000
013	2014/09/11 09:55:53	0.000	0.000	0.000
014	2014/09/11 09:56:53	0.000	0.000	0.000
015	2014/09/11 09:57:53	0.000	0.000	0.000
016	2014/09/11 09:58:53	0.000	0.000	0.000
017	2014/09/11 09:59:53	0.000	0.000	0.000
018	2014/09/11 10:00:53	0.000	0.000	0.000
019	2014/09/11 10:01:53	0.000	0.000	0.000
020	2014/09/11 10:02:53	0.000	0.000	0.000
021	2014/09/11 10:03:53	0.000	0.000	0.000

022	2014/09/11 10:04:53	0.000	0.000	0.000
023	2014/09/11 10:05:53	0.000	0.000	0.000
024	2014/09/11 10:06:53	0.000	0.000	0.000
025	2014/09/11 10:07:53	0.000	0.000	0.000
026	2014/09/11 10:08:53	0.000	0.000	0.000
027	2014/09/11 10:09:53	0.000	0.000	0.000
028	2014/09/11 10:10:53	0.000	0.000	0.000
029	2014/09/11 10:11:53	0.000	0.000	0.000
030	2014/09/11 10:12:53	0.000	0.000	0.000
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032	2014/09/11 10:14:53	0.000	0.000	0.000
033	2014/09/11 10:15:53	0.000	0.000	0.000
034	2014/09/11 10:16:53	0.000	0.000	0.000
035	2014/09/11 10:17:53	0.000	0.000	0.000
036	2014/09/11 10:18:53	0.000	0.000	0.000
037	2014/09/11 10:19:53	0.000	0.000	0.000
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039	2014/09/11 10:21:53	0.000	0.000	0.000
040	2014/09/11 10:22:53	0.000	0.000	0.000
041	2014/09/11 10:23:53	0.000	0.000	0.000
042	2014/09/11 10:24:53	0.000	0.000	0.000
043	2014/09/11 10:25:53	0.000	0.000	0.000
044	2014/09/11 10:26:53	0.000	0.000	0.000
045	2014/09/11 10:27:53	0.000	0.000	0.000
046	2014/09/11 10:28:53	0.000	0.000	0.000
047	2014/09/11 10:29:53	0.000	0.000	0.000
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049	2014/09/11 10:31:53	0.000	0.000	0.000
050	2014/09/11 10:32:53	0.000	0.000	0.000
051	2014/09/11 10:33:53	0.000	0.000	0.000
052	2014/09/11 10:34:53	0.000	0.000	0.000
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055	2014/09/11 10:37:53	0.000	0.000	0.000
056	2014/09/11 10:38:53	0.000	0.000	0.000
057	2014/09/11 10:39:53	0.000	0.000	0.000
058	2014/09/11 10:40:53	0.000	0.000	0.000
059	2014/09/11 10:41:53	0.000	0.000	0.000
060	2014/09/11 10:42:53	0.000	0.000	0.000
061	2014/09/11 10:43:53	0.000	0.000	0.000
062	2014/09/11 10:44:53	0.000	0.000	0.000
063	2014/09/11 10:45:53	0.000	0.000	0.000
064	2014/09/11 10:46:53	0.000	0.000	0.000
065	2014/09/11 10:47:53	0.000	0.000	0.000
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073	2014/09/11 10:55:53	0.000	0.000	0.000
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075	2014/09/11 10:57:53	0.000	0.000	0.000
076	2014/09/11 10:58:53	0.000	0.000	0.000
077	2014/09/11 10:59:53	0.000	0.000	0.000
078	2014/09/11 11:00:53	0.000	0.000	0.000
079	2014/09/11 11:01:53	0.000	0.000	0.000
080	2014/09/11 11:02:53	0.000	0.000	0.000
081	2014/09/11 11:03:53	0.000	0.000	0.000
082	2014/09/11 11:04:53	0.000	0.000	0.000
083	2014/09/11 11:05:53	0.000	0.000	0.000
084	2014/09/11 11:06:53	0.000	0.000	0.000

085	2014/09/11 11:07:53	0.000	0.000	0.000
086	2014/09/11 11:08:53	0.000	0.000	0.000
087	2014/09/11 11:09:53	0.000	0.000	0.000
088	2014/09/11 11:10:53	0.000	0.000	0.000
089	2014/09/11 11:11:53	0.000	0.000	0.000
090	2014/09/11 11:12:53	0.000	0.005	0.000
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093	2014/09/11 11:15:53	0.000	0.000	0.000
094	2014/09/11 11:16:53	0.000	0.000	0.000
095	2014/09/11 11:17:53	0.000	0.000	0.000
096	2014/09/11 11:18:53	0.000	0.000	0.000
097	2014/09/11 11:19:53	0.000	0.000	0.000
098	2014/09/11 11:20:53	0.000	0.000	0.000
099	2014/09/11 11:21:53	0.000	0.000	0.000
100	2014/09/11 11:22:53	0.000	0.000	0.000
101	2014/09/11 11:23:53	0.000	0.000	0.000
102	2014/09/11 11:24:53	0.000	0.000	0.000
103	2014/09/11 11:25:53	0.000	0.000	0.000
104	2014/09/11 11:26:53	0.000	0.000	0.000
105	2014/09/11 11:27:53	0.000	0.000	0.000
106	2014/09/11 11:28:53	0.000	0.000	0.000
107	2014/09/11 11:29:53	0.000	0.000	0.000
108	2014/09/11 11:30:53	0.000	0.000	0.000
109	2014/09/11 11:31:53	0.000	0.000	0.000
110	2014/09/11 11:32:53	0.000	0.000	0.000
111	2014/09/11 11:33:53	0.000	0.000	0.000
112	2014/09/11 11:34:53	0.000	0.000	0.000
113	2014/09/11 11:35:53	0.000	0.000	0.000
114	2014/09/11 11:36:53	0.000	0.000	0.000
115	2014/09/11 11:37:53	0.000	0.000	0.000
116	2014/09/11 11:38:53	0.000	0.000	0.000
117	2014/09/11 11:39:53	0.000	0.000	0.000
118	2014/09/11 11:40:53	0.000	0.000	0.000
119	2014/09/11 11:41:53	0.000	0.000	0.000
120	2014/09/11 11:42:53	0.000	0.000	0.000
121	2014/09/11 11:43:53	0.000	0.000	0.000
122	2014/09/11 11:44:53	0.000	0.000	0.000
123	2014/09/11 11:45:53	0.000	0.000	0.000
124	2014/09/11 11:46:53	0.000	0.000	0.000
125	2014/09/11 11:47:53	0.000	0.000	0.000
126	2014/09/11 11:48:53	0.000	0.000	0.000
127	2014/09/11 11:49:53	0.000	0.000	0.000
128	2014/09/11 11:50:53	0.000	0.000	0.000
129	2014/09/11 11:51:53	0.000	0.000	0.000
130	2014/09/11 11:52:53	0.000	0.000	0.000
131	2014/09/11 11:53:53	0.000	0.000	0.000
132	2014/09/11 11:54:53	0.000	0.000	0.000
133	2014/09/11 11:55:53	0.000	0.000	0.000
134	2014/09/11 11:56:53	0.000	0.000	0.000
135	2014/09/11 11:57:53	0.000	0.000	0.000
136	2014/09/11 11:58:53	0.000	0.000	0.000
137	2014/09/11 11:59:53	0.000	0.000	0.000
138	2014/09/11 12:00:53	0.000	0.000	0.000
139	2014/09/11 12:01:53	0.000	0.000	0.000
140	2014/09/11 12:02:53	0.000	0.000	0.000
141	2014/09/11 12:03:53	0.000	0.000	0.000
142	2014/09/11 12:04:53	0.000	0.000	0.000
143	2014/09/11 12:05:53	0.000	0.000	0.000
144	2014/09/11 12:06:53	0.000	0.000	0.000
145	2014/09/11 12:07:53	0.000	0.000	0.000
146	2014/09/11 12:08:53	0.000	0.000	0.000
147	2014/09/11 12:09:53	0.000	0.000	0.000

148	2014/09/11	12:10:53	0.000	0.000	0.000
149	2014/09/11	12:11:53	0.000	0.000	0.000
150	2014/09/11	12:12:53	0.000	0.000	0.000
151	2014/09/11	12:13:53	0.000	0.000	0.000
152	2014/09/11	12:14:53	0.000	0.000	0.000
153	2014/09/11	12:15:53	0.000	0.000	0.000
154	2014/09/11	12:16:53	0.000	0.000	0.000
155	2014/09/11	12:17:53	0.000	0.000	0.000
156	2014/09/11	12:18:53	0.000	0.000	0.000
157	2014/09/11	12:19:53	0.000	0.000	0.000
158	2014/09/11	12:20:53	0.000	0.000	0.000
159	2014/09/11	12:21:53	0.000	0.000	0.000
160	2014/09/11	12:22:53	0.000	0.000	0.000
161	2014/09/11	12:23:53	0.000	0.000	0.000
162	2014/09/11	12:24:53	0.000	0.000	0.000
163	2014/09/11	12:25:53	0.000	0.000	0.000
164	2014/09/11	12:26:53	0.000	0.000	0.000
165	2014/09/11	12:27:53	0.000	0.000	0.000
166	2014/09/11	12:28:53	0.000	0.000	0.000
167	2014/09/11	12:29:53	0.000	0.000	0.000
168	2014/09/11	12:30:53	0.000	0.000	0.000
169	2014/09/11	12:31:53	0.000	0.000	0.000
170	2014/09/11	12:32:53	0.000	0.000	0.000
171	2014/09/11	12:33:53	0.000	0.000	0.000
172	2014/09/11	12:34:53	0.000	0.000	0.000
173	2014/09/11	12:35:53	0.000	0.000	0.000
174	2014/09/11	12:36:53	0.000	0.000	0.000
175	2014/09/11	12:37:53	0.000	0.000	0.000
176	2014/09/11	12:38:53	0.000	0.000	0.000
177	2014/09/11	12:39:53	0.000	0.000	0.000
178	2014/09/11	12:40:53	0.000	0.000	0.000
179	2014/09/11	12:41:53	0.000	0.000	0.000
180	2014/09/11	12:42:53	0.000	0.000	0.000
181	2014/09/11	12:43:53	0.000	0.000	0.000
182	2014/09/11	12:44:53	0.000	0.000	0.000
183	2014/09/11	12:45:53	0.000	0.000	0.000
184	2014/09/11	12:46:53	0.000	0.000	0.000
185	2014/09/11	12:47:53	0.000	0.000	0.000
186	2014/09/11	12:48:53	0.000	0.000	0.000
187	2014/09/11	12:49:53	0.000	0.000	0.000
188	2014/09/11	12:50:53	0.000	0.000	0.000
189	2014/09/11	12:51:53	0.000	0.000	0.000
190	2014/09/11	12:52:53	0.000	0.000	0.000
191	2014/09/11	12:53:53	0.000	0.000	0.000
192	2014/09/11	12:54:53	0.000	0.000	0.000
193	2014/09/11	12:55:53	0.000	0.000	0.000
194	2014/09/11	12:56:53	0.000	0.000	0.000
195	2014/09/11	12:57:53	0.000	0.000	0.000
196	2014/09/11	12:58:53	0.000	0.000	0.000
197	2014/09/11	12:59:53	0.000	0.000	0.000
198	2014/09/11	13:00:53	0.000	0.000	0.000
199	2014/09/11	13:01:53	0.000	0.000	0.000
200	2014/09/11	13:02:53	0.000	0.000	0.000
201	2014/09/11	13:03:53	0.000	0.000	0.000
202	2014/09/11	13:04:53	0.000	0.000	0.000
203	2014/09/11	13:05:53	0.000	0.000	0.000
204	2014/09/11	13:06:53	0.000	0.000	0.000
205	2014/09/11	13:07:53	0.000	0.000	0.000
206	2014/09/11	13:08:53	0.000	0.000	0.000
207	2014/09/11	13:09:53	0.000	0.000	0.000
208	2014/09/11	13:10:53	0.000	0.000	0.000
209	2014/09/11	13:11:53	0.000	0.000	0.000
210	2014/09/11	13:12:53	0.000	0.000	0.000

211	2014/09/11 13:13:53	0.000	0.000	0.000
212	2014/09/11 13:14:53	0.000	0.000	0.000
213	2014/09/11 13:15:53	0.000	0.000	0.000
214	2014/09/11 13:16:53	0.000	0.000	0.000
215	2014/09/11 13:17:53	0.000	0.000	0.000
216	2014/09/11 13:18:53	0.000	0.000	0.000
217	2014/09/11 13:19:53	0.000	0.000	0.000
218	2014/09/11 13:20:53	0.000	0.000	0.000
219	2014/09/11 13:21:53	0.000	0.000	0.000
220	2014/09/11 13:22:53	0.000	0.000	0.000
221	2014/09/11 13:23:53	0.000	0.000	0.000
222	2014/09/11 13:24:53	0.000	0.000	0.000
223	2014/09/11 13:25:53	0.000	0.000	0.000
224	2014/09/11 13:26:53	0.000	0.000	0.000
225	2014/09/11 13:27:53	0.000	0.000	0.000
226	2014/09/11 13:28:53	0.000	0.000	0.000
227	2014/09/11 13:29:53	0.000	0.000	0.000
228	2014/09/11 13:30:53	0.000	0.000	0.000
229	2014/09/11 13:31:53	0.000	0.000	0.000
230	2014/09/11 13:32:53	0.000	0.000	0.000
231	2014/09/11 13:33:53	0.000	0.000	0.000
232	2014/09/11 13:34:53	0.000	0.000	0.000
233	2014/09/11 13:35:53	0.000	0.000	0.000
234	2014/09/11 13:36:53	0.000	0.000	0.000
235	2014/09/11 13:37:53	0.000	0.000	0.000
236	2014/09/11 13:38:53	0.000	0.000	0.000
237	2014/09/11 13:39:53	0.000	0.000	0.000
238	2014/09/11 13:40:53	0.000	0.000	0.000
239	2014/09/11 13:41:53	0.000	0.000	0.000
240	2014/09/11 13:42:53	0.025	0.569	0.569
241	2014/09/11 13:43:53	0.056	0.561	0.143
242	2014/09/11 13:44:53	0.007	0.143	0.000
243	2014/09/11 13:45:53	0.000	0.000	0.000
244	2014/09/11 13:46:53	0.000	0.000	0.000
245	2014/09/11 13:47:53	0.000	0.000	0.000
246	2014/09/11 13:48:53	0.000	0.000	0.000
247	2014/09/11 13:49:53	0.000	0.000	0.000
248	2014/09/11 13:50:53	0.000	0.000	0.000
249	2014/09/11 13:51:53	0.000	0.000	0.000
250	2014/09/11 13:52:53	0.000	0.000	0.000
251	2014/09/11 13:53:53	0.000	0.000	0.000
252	2014/09/11 13:54:53	0.000	0.000	0.000
253	2014/09/11 13:55:53	0.000	0.000	0.000
254	2014/09/11 13:56:53	0.000	0.000	0.000
255	2014/09/11 13:57:53	0.000	0.000	0.000
256	2014/09/11 13:58:53	0.000	0.000	0.000
257	2014/09/11 13:59:53	0.000	0.000	0.000
258	2014/09/11 14:00:53	0.000	0.000	0.000
259	2014/09/11 14:01:53	0.000	0.000	0.000
260	2014/09/11 14:02:53	0.000	0.000	0.000
261	2014/09/11 14:03:53	0.000	0.000	0.000
262	2014/09/11 14:04:53	0.000	0.000	0.000
263	2014/09/11 14:05:53	0.000	0.000	0.000
264	2014/09/11 14:06:53	0.000	0.000	0.000
265	2014/09/11 14:07:53	0.000	0.000	0.000
266	2014/09/11 14:08:53	0.000	0.000	0.000
267	2014/09/11 14:09:53	0.000	0.000	0.000
268	2014/09/11 14:10:53	0.000	0.000	0.000
269	2014/09/11 14:11:53	0.000	0.000	0.000
270	2014/09/11 14:12:53	0.000	0.000	0.000
271	2014/09/11 14:13:53	0.000	0.000	0.000
272	2014/09/11 14:14:53	0.000	0.000	0.000
273	2014/09/11 14:15:53	0.000	0.000	0.000

274	2014/09/11	14:16:53	0.000	0.000	0.000
275	2014/09/11	14:17:53	0.000	0.000	0.000
276	2014/09/11	14:18:53	0.000	0.000	0.000
277	2014/09/11	14:19:53	0.000	0.000	0.000
278	2014/09/11	14:20:53	0.001	0.019	0.000
279	2014/09/11	14:21:53	0.000	0.000	0.000
280	2014/09/11	14:22:53	0.000	0.000	0.000
281	2014/09/11	14:23:53	0.000	0.000	0.000
282	2014/09/11	14:24:53	0.000	0.000	0.000
283	2014/09/11	14:25:53	0.000	0.000	0.000
284	2014/09/11	14:26:53	0.000	0.000	0.000
285	2014/09/11	14:27:53	0.000	0.000	0.000
286	2014/09/11	14:28:53	0.000	0.000	0.000
287	2014/09/11	14:29:53	0.000	0.000	0.000
288	2014/09/11	14:30:53	0.000	0.000	0.000
289	2014/09/11	14:31:53	0.000	0.000	0.000
290	2014/09/11	14:32:53	0.000	0.000	0.000
291	2014/09/11	14:33:53	0.000	0.000	0.000
292	2014/09/11	14:34:53	0.000	0.000	0.000
293	2014/09/11	14:35:53	0.000	0.000	0.000
294	2014/09/11	14:36:53	0.000	0.000	0.000
295	2014/09/11	14:37:53	0.000	0.000	0.000
296	2014/09/11	14:38:53	0.000	0.005	0.000
297	2014/09/11	14:39:53	0.000	0.000	0.000
298	2014/09/11	14:40:53	0.000	0.000	0.000
299	2014/09/11	14:41:53	0.000	0.000	0.000
300	2014/09/11	14:42:53	0.000	0.012	0.000
301	2014/09/11	14:43:53	0.000	0.000	0.000
302	2014/09/11	14:44:53	0.000	0.000	0.000
303	2014/09/11	14:45:53	0.000	0.000	0.000
304	2014/09/11	14:46:53	0.000	0.000	0.000
305	2014/09/11	14:47:53	0.000	0.000	0.000
306	2014/09/11	14:48:53	0.000	0.000	0.000
307	2014/09/11	14:49:53	0.000	0.000	0.000
308	2014/09/11	14:50:53	0.000	0.000	0.000
309	2014/09/11	14:51:53	0.000	0.000	0.000
310	2014/09/11	14:52:53	0.000	0.000	0.000
311	2014/09/11	14:53:53	0.000	0.000	0.000
312	2014/09/11	14:54:53	0.000	0.000	0.000
313	2014/09/11	14:55:53	0.000	0.000	0.000
314	2014/09/11	14:56:53	0.000	0.010	0.000
315	2014/09/11	14:57:53	0.000	0.008	0.000
316	2014/09/11	14:58:53	0.000	0.000	0.000
317	2014/09/11	14:59:53	0.000	0.000	0.000
318	2014/09/11	15:00:53	0.000	0.000	0.000
319	2014/09/11	15:01:53	0.000	0.000	0.000
320	2014/09/11	15:02:53	0.000	0.000	0.000
321	2014/09/11	15:03:53	0.000	0.000	0.000
322	2014/09/11	15:04:53	0.000	0.006	0.000
323	2014/09/11	15:05:53	0.000	0.012	0.000
324	2014/09/11	15:06:53	0.000	0.000	0.000
325	2014/09/11	15:07:53	0.000	0.000	0.000
326	2014/09/11	15:08:53	0.000	0.000	0.000
327	2014/09/11	15:09:53	0.000	0.000	0.000
328	2014/09/11	15:10:53	0.000	0.000	0.000
329	2014/09/11	15:11:53	0.006	0.096	0.000
330	2014/09/11	15:12:53	0.000	0.000	0.000
331	2014/09/11	15:13:53	0.000	0.000	0.000
332	2014/09/11	15:14:53	0.000	0.000	0.000
333	2014/09/11	15:15:53	0.000	0.000	0.000
334	2014/09/11	15:16:53	0.000	0.000	0.000
335	2014/09/11	15:17:53	0.000	0.000	0.000
336	2014/09/11	15:18:53	0.000	0.000	0.000

337	2014/09/11 15:19:53	0.000	0.000	0.000
338	2014/09/11 15:20:53	0.000	0.000	0.000
339	2014/09/11 15:21:53	0.000	0.000	0.000
340	2014/09/11 15:22:53	0.000	0.000	0.000
341	2014/09/11 15:23:53	0.000	0.000	0.000
342	2014/09/11 15:24:53	0.000	0.000	0.000
343	2014/09/11 15:25:53	0.000	0.000	0.000
344	2014/09/11 15:26:53	0.000	0.000	0.000
345	2014/09/11 15:27:53	0.000	0.000	0.000
346	2014/09/11 15:28:53	0.000	0.000	0.000
347	2014/09/11 15:29:53	0.000	0.000	0.000
348	2014/09/11 15:30:53	0.000	0.000	0.000
349	2014/09/11 15:31:53	0.000	0.000	0.000
350	2014/09/11 15:32:53	0.000	0.000	0.000
351	2014/09/11 15:33:53	0.000	0.000	0.000
352	2014/09/11 15:34:53	0.000	0.000	0.000
353	2014/09/11 15:35:53	0.000	0.000	0.000
354	2014/09/11 15:36:53	0.000	0.000	0.000
355	2014/09/11 15:37:53	0.053	0.437	0.000
356	2014/09/11 15:38:53	0.000	0.000	0.000
357	2014/09/11 15:39:53	0.000	0.000	0.000
358	2014/09/11 15:40:53	0.000	0.000	0.000
359	2014/09/11 15:41:53	0.000	0.000	0.000
360	2014/09/11 15:42:53	0.000	0.000	0.000
361	2014/09/11 15:43:53	0.000	0.000	0.000
362	2014/09/11 15:44:53	0.000	0.000	0.000
363	2014/09/11 15:45:53	0.000	0.000	0.000
364	2014/09/11 15:46:53	0.000	0.000	0.000
365	2014/09/11 15:47:53	0.000	0.000	0.000
366	2014/09/11 15:48:53	0.000	0.000	0.000
367	2014/09/11 15:49:53	0.000	0.000	0.000
Peak		0.056	0.569	0.569
Min		0.000	0.000	0.000
Average		0.000	0.005	0.002

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2014/09/11 09:43:53	0.000	---
002	2014/09/11 09:44:53	0.000	---
003	2014/09/11 09:45:53	0.000	---
004	2014/09/11 09:46:53	0.000	---
005	2014/09/11 09:47:53	0.000	---
006	2014/09/11 09:48:53	0.000	---
007	2014/09/11 09:49:53	0.000	---
008	2014/09/11 09:50:53	0.000	---
009	2014/09/11 09:51:53	0.000	---
010	2014/09/11 09:52:53	0.000	---
011	2014/09/11 09:53:53	0.000	---
012	2014/09/11 09:54:53	0.000	---
013	2014/09/11 09:55:53	0.000	---
014	2014/09/11 09:56:53	0.000	---
015	2014/09/11 09:57:53	0.000	0.000
016	2014/09/11 09:58:53	0.000	0.000
017	2014/09/11 09:59:53	0.000	0.000
018	2014/09/11 10:00:53	0.000	0.000
019	2014/09/11 10:01:53	0.000	0.000
020	2014/09/11 10:02:53	0.000	0.000
021	2014/09/11 10:03:53	0.000	0.000
022	2014/09/11 10:04:53	0.000	0.000
023	2014/09/11 10:05:53	0.000	0.000
024	2014/09/11 10:06:53	0.000	0.000

025	2014/09/11	10:07:53	0.000 0.000
026	2014/09/11	10:08:53	0.000 0.000
027	2014/09/11	10:09:53	0.000 0.000
028	2014/09/11	10:10:53	0.000 0.000
029	2014/09/11	10:11:53	0.000 0.000
030	2014/09/11	10:12:53	0.000 0.000
031	2014/09/11	10:13:53	0.000 0.000
032	2014/09/11	10:14:53	0.000 0.000
033	2014/09/11	10:15:53	0.000 0.000
034	2014/09/11	10:16:53	0.000 0.000
035	2014/09/11	10:17:53	0.000 0.000
036	2014/09/11	10:18:53	0.000 0.000
037	2014/09/11	10:19:53	0.000 0.000
038	2014/09/11	10:20:53	0.000 0.000
039	2014/09/11	10:21:53	0.000 0.000
040	2014/09/11	10:22:53	0.000 0.000
041	2014/09/11	10:23:53	0.000 0.000
042	2014/09/11	10:24:53	0.000 0.000
043	2014/09/11	10:25:53	0.000 0.000
044	2014/09/11	10:26:53	0.000 0.000
045	2014/09/11	10:27:53	0.000 0.000
046	2014/09/11	10:28:53	0.000 0.000
047	2014/09/11	10:29:53	0.000 0.000
048	2014/09/11	10:30:53	0.000 0.000
049	2014/09/11	10:31:53	0.000 0.000
050	2014/09/11	10:32:53	0.000 0.000
051	2014/09/11	10:33:53	0.000 0.000
052	2014/09/11	10:34:53	0.000 0.000
053	2014/09/11	10:35:53	0.000 0.000
054	2014/09/11	10:36:53	0.000 0.000
055	2014/09/11	10:37:53	0.000 0.000
056	2014/09/11	10:38:53	0.000 0.000
057	2014/09/11	10:39:53	0.000 0.000
058	2014/09/11	10:40:53	0.000 0.000
059	2014/09/11	10:41:53	0.000 0.000
060	2014/09/11	10:42:53	0.000 0.000
061	2014/09/11	10:43:53	0.000 0.000
062	2014/09/11	10:44:53	0.000 0.000
063	2014/09/11	10:45:53	0.000 0.000
064	2014/09/11	10:46:53	0.000 0.000
065	2014/09/11	10:47:53	0.000 0.000
066	2014/09/11	10:48:53	0.000 0.000
067	2014/09/11	10:49:53	0.000 0.000
068	2014/09/11	10:50:53	0.000 0.000
069	2014/09/11	10:51:53	0.000 0.000
070	2014/09/11	10:52:53	0.000 0.000
071	2014/09/11	10:53:53	0.000 0.000
072	2014/09/11	10:54:53	0.000 0.000
073	2014/09/11	10:55:53	0.000 0.000
074	2014/09/11	10:56:53	0.000 0.000
075	2014/09/11	10:57:53	0.000 0.000
076	2014/09/11	10:58:53	0.000 0.000
077	2014/09/11	10:59:53	0.000 0.000
078	2014/09/11	11:00:53	0.000 0.000
079	2014/09/11	11:01:53	0.000 0.000
080	2014/09/11	11:02:53	0.000 0.000
081	2014/09/11	11:03:53	0.000 0.000
082	2014/09/11	11:04:53	0.000 0.000
083	2014/09/11	11:05:53	0.000 0.000
084	2014/09/11	11:06:53	0.000 0.000
085	2014/09/11	11:07:53	0.000 0.000
086	2014/09/11	11:08:53	0.000 0.000
087	2014/09/11	11:09:53	0.000 0.000

088	2014/09/11	11:10:53	0.000 0.000
089	2014/09/11	11:11:53	0.000 0.000
090	2014/09/11	11:12:53	0.000 0.000
091	2014/09/11	11:13:53	0.000 0.000
092	2014/09/11	11:14:53	0.000 0.000
093	2014/09/11	11:15:53	0.000 0.000
094	2014/09/11	11:16:53	0.000 0.000
095	2014/09/11	11:17:53	0.000 0.000
096	2014/09/11	11:18:53	0.000 0.000
097	2014/09/11	11:19:53	0.000 0.000
098	2014/09/11	11:20:53	0.000 0.000
099	2014/09/11	11:21:53	0.000 0.000
100	2014/09/11	11:22:53	0.000 0.000
101	2014/09/11	11:23:53	0.000 0.000
102	2014/09/11	11:24:53	0.000 0.000
103	2014/09/11	11:25:53	0.000 0.000
104	2014/09/11	11:26:53	0.000 0.000
105	2014/09/11	11:27:53	0.000 0.000
106	2014/09/11	11:28:53	0.000 0.000
107	2014/09/11	11:29:53	0.000 0.000
108	2014/09/11	11:30:53	0.000 0.000
109	2014/09/11	11:31:53	0.000 0.000
110	2014/09/11	11:32:53	0.000 0.000
111	2014/09/11	11:33:53	0.000 0.000
112	2014/09/11	11:34:53	0.000 0.000
113	2014/09/11	11:35:53	0.000 0.000
114	2014/09/11	11:36:53	0.000 0.000
115	2014/09/11	11:37:53	0.000 0.000
116	2014/09/11	11:38:53	0.000 0.000
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120	2014/09/11	11:42:53	0.000 0.000
121	2014/09/11	11:43:53	0.000 0.000
122	2014/09/11	11:44:53	0.000 0.000
123	2014/09/11	11:45:53	0.000 0.000
124	2014/09/11	11:46:53	0.000 0.000
125	2014/09/11	11:47:53	0.000 0.000
126	2014/09/11	11:48:53	0.000 0.000
127	2014/09/11	11:49:53	0.000 0.000
128	2014/09/11	11:50:53	0.000 0.000
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131	2014/09/11	11:53:53	0.000 0.000
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133	2014/09/11	11:55:53	0.000 0.000
134	2014/09/11	11:56:53	0.000 0.000
135	2014/09/11	11:57:53	0.000 0.000
136	2014/09/11	11:58:53	0.000 0.000
137	2014/09/11	11:59:53	0.000 0.000
138	2014/09/11	12:00:53	0.000 0.000
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146	2014/09/11	12:08:53	0.000 0.000
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148	2014/09/11	12:10:53	0.000 0.000
149	2014/09/11	12:11:53	0.000 0.000
150	2014/09/11	12:12:53	0.000 0.000

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153	2014/09/11	12:15:53	0.000 0.000
154	2014/09/11	12:16:53	0.000 0.000
155	2014/09/11	12:17:53	0.000 0.000
156	2014/09/11	12:18:53	0.000 0.000
157	2014/09/11	12:19:53	0.000 0.000
158	2014/09/11	12:20:53	0.000 0.000
159	2014/09/11	12:21:53	0.000 0.000
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173	2014/09/11	12:35:53	0.000 0.000
174	2014/09/11	12:36:53	0.000 0.000
175	2014/09/11	12:37:53	0.000 0.000
176	2014/09/11	12:38:53	0.000 0.000
177	2014/09/11	12:39:53	0.000 0.000
178	2014/09/11	12:40:53	0.000 0.000
179	2014/09/11	12:41:53	0.000 0.000
180	2014/09/11	12:42:53	0.000 0.000
181	2014/09/11	12:43:53	0.000 0.000
182	2014/09/11	12:44:53	0.000 0.000
183	2014/09/11	12:45:53	0.000 0.000
184	2014/09/11	12:46:53	0.000 0.000
185	2014/09/11	12:47:53	0.000 0.000
186	2014/09/11	12:48:53	0.000 0.000
187	2014/09/11	12:49:53	0.000 0.000
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189	2014/09/11	12:51:53	0.000 0.000
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191	2014/09/11	12:53:53	0.000 0.000
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195	2014/09/11	12:57:53	0.000 0.000
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200	2014/09/11	13:02:53	0.000 0.000
201	2014/09/11	13:03:53	0.000 0.000
202	2014/09/11	13:04:53	0.000 0.000
203	2014/09/11	13:05:53	0.000 0.000
204	2014/09/11	13:06:53	0.000 0.000
205	2014/09/11	13:07:53	0.000 0.000
206	2014/09/11	13:08:53	0.000 0.000
207	2014/09/11	13:09:53	0.000 0.000
208	2014/09/11	13:10:53	0.000 0.000
209	2014/09/11	13:11:53	0.000 0.000
210	2014/09/11	13:12:53	0.000 0.000
211	2014/09/11	13:13:53	0.000 0.000
212	2014/09/11	13:14:53	0.000 0.000
213	2014/09/11	13:15:53	0.000 0.000

214	2014/09/11 13:16:53	0.000	0.000
215	2014/09/11 13:17:53	0.000	0.000
216	2014/09/11 13:18:53	0.000	0.000
217	2014/09/11 13:19:53	0.000	0.000
218	2014/09/11 13:20:53	0.000	0.000
219	2014/09/11 13:21:53	0.000	0.000
220	2014/09/11 13:22:53	0.000	0.000
221	2014/09/11 13:23:53	0.000	0.000
222	2014/09/11 13:24:53	0.000	0.000
223	2014/09/11 13:25:53	0.000	0.000
224	2014/09/11 13:26:53	0.000	0.000
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226	2014/09/11 13:28:53	0.000	0.000
227	2014/09/11 13:29:53	0.000	0.000
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229	2014/09/11 13:31:53	0.000	0.000
230	2014/09/11 13:32:53	0.000	0.000
231	2014/09/11 13:33:53	0.000	0.000
232	2014/09/11 13:34:53	0.000	0.000
233	2014/09/11 13:35:53	0.000	0.000
234	2014/09/11 13:36:53	0.000	0.000
235	2014/09/11 13:37:53	0.000	0.000
236	2014/09/11 13:38:53	0.000	0.000
237	2014/09/11 13:39:53	0.000	0.000
238	2014/09/11 13:40:53	0.000	0.000
239	2014/09/11 13:41:53	0.000	0.000
240	2014/09/11 13:42:53	0.001	0.038
241	2014/09/11 13:43:53	0.001	0.047
242	2014/09/11 13:44:53	0.001	0.047
243	2014/09/11 13:45:53	0.001	0.047
244	2014/09/11 13:46:53	0.001	0.047
245	2014/09/11 13:47:53	0.001	0.047
246	2014/09/11 13:48:53	0.001	0.047
247	2014/09/11 13:49:53	0.001	0.047
248	2014/09/11 13:50:53	0.001	0.047
249	2014/09/11 13:51:53	0.001	0.047
250	2014/09/11 13:52:53	0.001	0.047
251	2014/09/11 13:53:53	0.001	0.047
252	2014/09/11 13:54:53	0.001	0.047
253	2014/09/11 13:55:53	0.001	0.047
254	2014/09/11 13:56:53	0.001	0.047
255	2014/09/11 13:57:53	0.001	0.010
256	2014/09/11 13:58:53	0.001	0.000
257	2014/09/11 13:59:53	0.001	0.000
258	2014/09/11 14:00:53	0.001	0.000
259	2014/09/11 14:01:53	0.001	0.000
260	2014/09/11 14:02:53	0.001	0.000
261	2014/09/11 14:03:53	0.001	0.000
262	2014/09/11 14:04:53	0.001	0.000
263	2014/09/11 14:05:53	0.001	0.000
264	2014/09/11 14:06:53	0.001	0.000
265	2014/09/11 14:07:53	0.001	0.000
266	2014/09/11 14:08:53	0.001	0.000
267	2014/09/11 14:09:53	0.001	0.000
268	2014/09/11 14:10:53	0.001	0.000
269	2014/09/11 14:11:53	0.001	0.000
270	2014/09/11 14:12:53	0.001	0.000
271	2014/09/11 14:13:53	0.001	0.000
272	2014/09/11 14:14:53	0.001	0.000
273	2014/09/11 14:15:53	0.001	0.000
274	2014/09/11 14:16:53	0.001	0.000
275	2014/09/11 14:17:53	0.001	0.000
276	2014/09/11 14:18:53	0.001	0.000

277	2014/09/11	14:19:53	0.001	0.000
278	2014/09/11	14:20:53	0.001	0.000
279	2014/09/11	14:21:53	0.001	0.000
280	2014/09/11	14:22:53	0.001	0.000
281	2014/09/11	14:23:53	0.001	0.000
282	2014/09/11	14:24:53	0.001	0.000
283	2014/09/11	14:25:53	0.001	0.000
284	2014/09/11	14:26:53	0.001	0.000
285	2014/09/11	14:27:53	0.001	0.000
286	2014/09/11	14:28:53	0.001	0.000
287	2014/09/11	14:29:53	0.001	0.000
288	2014/09/11	14:30:53	0.001	0.000
289	2014/09/11	14:31:53	0.001	0.000
290	2014/09/11	14:32:53	0.001	0.000
291	2014/09/11	14:33:53	0.001	0.000
292	2014/09/11	14:34:53	0.001	0.000
293	2014/09/11	14:35:53	0.001	0.000
294	2014/09/11	14:36:53	0.001	0.000
295	2014/09/11	14:37:53	0.001	0.000
296	2014/09/11	14:38:53	0.001	0.000
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304	2014/09/11	14:46:53	0.001	0.000
305	2014/09/11	14:47:53	0.001	0.000
306	2014/09/11	14:48:53	0.001	0.000
307	2014/09/11	14:49:53	0.001	0.000
308	2014/09/11	14:50:53	0.001	0.000
309	2014/09/11	14:51:53	0.001	0.000
310	2014/09/11	14:52:53	0.001	0.000
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314	2014/09/11	14:56:53	0.001	0.000
315	2014/09/11	14:57:53	0.001	0.000
316	2014/09/11	14:58:53	0.001	0.000
317	2014/09/11	14:59:53	0.001	0.000
318	2014/09/11	15:00:53	0.001	0.000
319	2014/09/11	15:01:53	0.001	0.000
320	2014/09/11	15:02:53	0.001	0.000
321	2014/09/11	15:03:53	0.001	0.000
322	2014/09/11	15:04:53	0.001	0.000
323	2014/09/11	15:05:53	0.001	0.000
324	2014/09/11	15:06:53	0.001	0.000
325	2014/09/11	15:07:53	0.001	0.000
326	2014/09/11	15:08:53	0.001	0.000
327	2014/09/11	15:09:53	0.001	0.000
328	2014/09/11	15:10:53	0.001	0.000
329	2014/09/11	15:11:53	0.001	0.000
330	2014/09/11	15:12:53	0.001	0.000
331	2014/09/11	15:13:53	0.001	0.000
332	2014/09/11	15:14:53	0.001	0.000
333	2014/09/11	15:15:53	0.001	0.000
334	2014/09/11	15:16:53	0.001	0.000
335	2014/09/11	15:17:53	0.001	0.000
336	2014/09/11	15:18:53	0.001	0.000
337	2014/09/11	15:19:53	0.001	0.000
338	2014/09/11	15:20:53	0.001	0.000
339	2014/09/11	15:21:53	0.001	0.000

340	2014/09/11 15:22:53	0.001	0.000
341	2014/09/11 15:23:53	0.001	0.000
342	2014/09/11 15:24:53	0.001	0.000
343	2014/09/11 15:25:53	0.001	0.000
344	2014/09/11 15:26:53	0.001	0.000
345	2014/09/11 15:27:53	0.001	0.000
346	2014/09/11 15:28:53	0.001	0.000
347	2014/09/11 15:29:53	0.001	0.000
348	2014/09/11 15:30:53	0.001	0.000
349	2014/09/11 15:31:53	0.001	0.000
350	2014/09/11 15:32:53	0.001	0.000
351	2014/09/11 15:33:53	0.001	0.000
352	2014/09/11 15:34:53	0.001	0.000
353	2014/09/11 15:35:53	0.001	0.000
354	2014/09/11 15:36:53	0.001	0.000
355	2014/09/11 15:37:53	0.001	0.000
356	2014/09/11 15:38:53	0.001	0.000
357	2014/09/11 15:39:53	0.001	0.000
358	2014/09/11 15:40:53	0.001	0.000
359	2014/09/11 15:41:53	0.001	0.000
360	2014/09/11 15:42:53	0.001	0.000
361	2014/09/11 15:43:53	0.001	0.000
362	2014/09/11 15:44:53	0.001	0.000
363	2014/09/11 15:45:53	0.001	0.000
364	2014/09/11 15:46:53	0.001	0.000
365	2014/09/11 15:47:53	0.001	0.000
366	2014/09/11 15:48:53	0.001	0.000
367	2014/09/11 15:49:53	0.001	0.000

TrakPro Version 4.51 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121503
Test ID: 001
Test Abbreviation: TEST 1_001
Start Date: 04/15/2013
Start Time: 11:54:30
Duration (dd:hh:mm:ss): 0:04:30:00
Log Interval (mm:ss): 01:00
Number of points: 270
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.014
 Minimum: 0.010
 Time of Minimum: 11:56:30
 Date of Minimum: 04/15/2013
 Maximum: 0.031
 Time of Maximum: 12:25:30
 Date of Maximum: 04/15/2013

Calibration Sensor: AEROSOL
 Cal. date 03/06/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/15/2013 11:55:30 0.014
04/15/2013 11:56:30 0.010
04/15/2013 11:57:30 0.013
04/15/2013 11:58:30 0.012
04/15/2013 11:59:30 0.012
04/15/2013 12:00:30 0.012
04/15/2013 12:01:30 0.012
04/15/2013 12:02:30 0.012
04/15/2013 12:03:30 0.013
04/15/2013 12:04:30 0.014
04/15/2013 12:05:30 0.013
04/15/2013 12:06:30 0.012
04/15/2013 12:07:30 0.011
04/15/2013 12:08:30 0.013
04/15/2013 12:09:30 0.013
04/15/2013 12:10:30 0.014
04/15/2013 12:11:30 0.013
04/15/2013 12:12:30 0.012
04/15/2013 12:13:30 0.011
04/15/2013 12:14:30 0.012
04/15/2013 12:15:30 0.013
04/15/2013 12:16:30 0.018
04/15/2013 12:17:30 0.016
04/15/2013 12:18:30 0.015
04/15/2013 12:19:30 0.014
04/15/2013 12:20:30 0.012
04/15/2013 12:21:30 0.012
04/15/2013 12:22:30 0.012
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04/15/2013 12:24:30 0.013
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04/15/2013 12:26:30 0.013
04/15/2013 12:27:30 0.012
04/15/2013 12:28:30 0.029

04/15/2013 12:29:30 0.016
04/15/2013 12:30:30 0.013
04/15/2013 12:31:30 0.012
04/15/2013 12:32:30 0.013
04/15/2013 12:33:30 0.014
04/15/2013 12:34:30 0.013
04/15/2013 12:35:30 0.017
04/15/2013 12:36:30 0.019
04/15/2013 12:37:30 0.012
04/15/2013 12:38:30 0.015
04/15/2013 12:39:30 0.013
04/15/2013 12:40:30 0.012
04/15/2013 12:41:30 0.011
04/15/2013 12:42:30 0.016
04/15/2013 12:43:30 0.024
04/15/2013 12:44:30 0.013
04/15/2013 12:45:30 0.013
04/15/2013 12:46:30 0.014
04/15/2013 12:47:30 0.013
04/15/2013 12:48:30 0.013
04/15/2013 12:49:30 0.012
04/15/2013 12:50:30 0.015
04/15/2013 12:51:30 0.013
04/15/2013 12:52:30 0.013
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04/15/2013 12:57:30 0.025
04/15/2013 12:58:30 0.020
04/15/2013 12:59:30 0.021
04/15/2013 13:00:30 0.014
04/15/2013 13:01:30 0.012
04/15/2013 13:02:30 0.013
04/15/2013 13:03:30 0.012
04/15/2013 13:04:30 0.013
04/15/2013 13:05:30 0.014
04/15/2013 13:06:30 0.014
04/15/2013 13:07:30 0.015
04/15/2013 13:08:30 0.015
04/15/2013 13:09:30 0.014
04/15/2013 13:10:30 0.012
04/15/2013 13:11:30 0.011
04/15/2013 13:12:30 0.011
04/15/2013 13:13:30 0.011
04/15/2013 13:14:30 0.011
04/15/2013 13:15:30 0.012
04/15/2013 13:16:30 0.014
04/15/2013 13:17:30 0.011
04/15/2013 13:18:30 0.011
04/15/2013 13:19:30 0.011
04/15/2013 13:20:30 0.017
04/15/2013 13:21:30 0.018
04/15/2013 13:22:30 0.013
04/15/2013 13:23:30 0.013
04/15/2013 13:24:30 0.013
04/15/2013 13:25:30 0.015
04/15/2013 13:26:30 0.013
04/15/2013 13:27:30 0.012
04/15/2013 13:28:30 0.015
04/15/2013 13:29:30 0.012
04/15/2013 13:30:30 0.012
04/15/2013 13:31:30 0.012

04/15/2013 13:32:30 0.011
04/15/2013 13:33:30 0.011
04/15/2013 13:34:30 0.010
04/15/2013 13:35:30 0.011
04/15/2013 13:36:30 0.013
04/15/2013 13:37:30 0.012
04/15/2013 13:38:30 0.014
04/15/2013 13:39:30 0.013
04/15/2013 13:40:30 0.013
04/15/2013 13:41:30 0.013
04/15/2013 13:42:30 0.014
04/15/2013 13:43:30 0.015
04/15/2013 13:44:30 0.014
04/15/2013 13:45:30 0.013
04/15/2013 13:46:30 0.014
04/15/2013 13:47:30 0.012
04/15/2013 13:48:30 0.011
04/15/2013 13:49:30 0.012
04/15/2013 13:50:30 0.013
04/15/2013 13:51:30 0.011
04/15/2013 13:52:30 0.012
04/15/2013 13:53:30 0.013
04/15/2013 13:54:30 0.014
04/15/2013 13:55:30 0.020
04/15/2013 13:56:30 0.014
04/15/2013 13:57:30 0.014
04/15/2013 13:58:30 0.013
04/15/2013 13:59:30 0.013
04/15/2013 14:00:30 0.016
04/15/2013 14:01:30 0.013
04/15/2013 14:02:30 0.014
04/15/2013 14:03:30 0.013
04/15/2013 14:04:30 0.013
04/15/2013 14:05:30 0.013
04/15/2013 14:06:30 0.012
04/15/2013 14:07:30 0.013
04/15/2013 14:08:30 0.013
04/15/2013 14:09:30 0.014
04/15/2013 14:10:30 0.015
04/15/2013 14:11:30 0.014
04/15/2013 14:12:30 0.014
04/15/2013 14:13:30 0.014
04/15/2013 14:14:30 0.014
04/15/2013 14:15:30 0.014
04/15/2013 14:16:30 0.014
04/15/2013 14:17:30 0.014
04/15/2013 14:18:30 0.013
04/15/2013 14:19:30 0.013
04/15/2013 14:20:30 0.013
04/15/2013 14:21:30 0.013
04/15/2013 14:22:30 0.013
04/15/2013 14:23:30 0.015
04/15/2013 14:24:30 0.013
04/15/2013 14:25:30 0.013
04/15/2013 14:26:30 0.012
04/15/2013 14:27:30 0.012
04/15/2013 14:28:30 0.012
04/15/2013 14:29:30 0.012
04/15/2013 14:30:30 0.013
04/15/2013 14:31:30 0.013
04/15/2013 14:32:30 0.013
04/15/2013 14:33:30 0.013
04/15/2013 14:34:30 0.013

04/15/2013 14:35:30 0.013
04/15/2013 14:36:30 0.014
04/15/2013 14:37:30 0.014
04/15/2013 14:38:30 0.013
04/15/2013 14:39:30 0.013
04/15/2013 14:40:30 0.013
04/15/2013 14:41:30 0.014
04/15/2013 14:42:30 0.014
04/15/2013 14:43:30 0.016
04/15/2013 14:44:30 0.014
04/15/2013 14:45:30 0.016
04/15/2013 14:46:30 0.015
04/15/2013 14:47:30 0.015
04/15/2013 14:48:30 0.014
04/15/2013 14:49:30 0.016
04/15/2013 14:50:30 0.015
04/15/2013 14:51:30 0.015
04/15/2013 14:52:30 0.014
04/15/2013 14:53:30 0.015
04/15/2013 14:54:30 0.014
04/15/2013 14:55:30 0.014
04/15/2013 14:56:30 0.013
04/15/2013 14:57:30 0.013
04/15/2013 14:58:30 0.013
04/15/2013 14:59:30 0.014
04/15/2013 15:00:30 0.014
04/15/2013 15:01:30 0.015
04/15/2013 15:02:30 0.015
04/15/2013 15:03:30 0.014
04/15/2013 15:04:30 0.013
04/15/2013 15:05:30 0.013
04/15/2013 15:06:30 0.013
04/15/2013 15:07:30 0.013
04/15/2013 15:08:30 0.014
04/15/2013 15:09:30 0.014
04/15/2013 15:10:30 0.014
04/15/2013 15:11:30 0.014
04/15/2013 15:12:30 0.014
04/15/2013 15:13:30 0.014
04/15/2013 15:14:30 0.013
04/15/2013 15:15:30 0.014
04/15/2013 15:16:30 0.014
04/15/2013 15:17:30 0.013
04/15/2013 15:18:30 0.013
04/15/2013 15:19:30 0.013
04/15/2013 15:20:30 0.013
04/15/2013 15:21:30 0.023
04/15/2013 15:22:30 0.013
04/15/2013 15:23:30 0.014
04/15/2013 15:24:30 0.016
04/15/2013 15:25:30 0.013
04/15/2013 15:26:30 0.013
04/15/2013 15:27:30 0.013
04/15/2013 15:28:30 0.012
04/15/2013 15:29:30 0.013
04/15/2013 15:30:30 0.013
04/15/2013 15:31:30 0.013
04/15/2013 15:32:30 0.013
04/15/2013 15:33:30 0.012
04/15/2013 15:34:30 0.012
04/15/2013 15:35:30 0.013
04/15/2013 15:36:30 0.012
04/15/2013 15:37:30 0.013

04/15/2013 15:38:30 0.012
04/15/2013 15:39:30 0.012
04/15/2013 15:40:30 0.012
04/15/2013 15:41:30 0.012
04/15/2013 15:42:30 0.012
04/15/2013 15:43:30 0.012
04/15/2013 15:44:30 0.013
04/15/2013 15:45:30 0.013
04/15/2013 15:46:30 0.012
04/15/2013 15:47:30 0.013
04/15/2013 15:48:30 0.012
04/15/2013 15:49:30 0.013
04/15/2013 15:50:30 0.013
04/15/2013 15:51:30 0.014
04/15/2013 15:52:30 0.012
04/15/2013 15:53:30 0.011
04/15/2013 15:54:30 0.012
04/15/2013 15:55:30 0.012
04/15/2013 15:56:30 0.012
04/15/2013 15:57:30 0.019
04/15/2013 15:58:30 0.012
04/15/2013 15:59:30 0.013
04/15/2013 16:00:30 0.020
04/15/2013 16:01:30 0.012
04/15/2013 16:02:30 0.012
04/15/2013 16:03:30 0.012
04/15/2013 16:04:30 0.012
04/15/2013 16:05:30 0.015
04/15/2013 16:06:30 0.012
04/15/2013 16:07:30 0.013
04/15/2013 16:08:30 0.014
04/15/2013 16:09:30 0.012
04/15/2013 16:10:30 0.012
04/15/2013 16:11:30 0.012
04/15/2013 16:12:30 0.013
04/15/2013 16:13:30 0.012
04/15/2013 16:14:30 0.015
04/15/2013 16:15:30 0.012
04/15/2013 16:16:30 0.012
04/15/2013 16:17:30 0.017
04/15/2013 16:18:30 0.013
04/15/2013 16:19:30 0.013
04/15/2013 16:20:30 0.013
04/15/2013 16:21:30 0.012
04/15/2013 16:22:30 0.012
04/15/2013 16:23:30 0.013
04/15/2013 16:24:30 0.012

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121503
Test ID: 002
Test Abbreviation: TEST 1_002
Start Date: 04/16/2013
Start Time: 08:25:39
Duration (dd:hh:mm:ss): 0:00:16:00
Log Interval (mm:ss): 01:00
Number of points: 16
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.024

```
 Minimum: 0.023
 Time of Minimum: 08:27:39
 Date of Minimum: 04/16/2013
 Maximum: 0.028
 Time of Maximum: 08:32:39
 Date of Maximum: 04/16/2013

Calibration Sensor: AEROSOL
 Cal. date 03/06/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/16/2013 08:26:39 0.026
04/16/2013 08:27:39 0.023
04/16/2013 08:28:39 0.023
04/16/2013 08:29:39 0.024
04/16/2013 08:30:39 0.023
04/16/2013 08:31:39 0.023
04/16/2013 08:32:39 0.028
04/16/2013 08:33:39 0.023
04/16/2013 08:34:39 0.027
04/16/2013 08:35:39 0.023
04/16/2013 08:36:39 0.023
04/16/2013 08:37:39 0.024
04/16/2013 08:38:39 0.025
04/16/2013 08:39:39 0.024
04/16/2013 08:40:39 0.023
04/16/2013 08:41:39 0.023

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121503
Test ID: 003
Test Abbreviation: TEST 1_003
Start Date: 04/16/2013
Start Time: 08:50:08
Duration (dd:hh:mm:ss): 0:04:43:00
Log Interval (mm:ss): 01:00
Number of points: 283
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.028
 Minimum: 0.022
 Time of Minimum: 09:00:08
 Date of Minimum: 04/16/2013
 Maximum: 0.114
 Time of Maximum: 10:38:08
 Date of Maximum: 04/16/2013

Calibration Sensor: AEROSOL
 Cal. date 03/06/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/16/2013 08:51:08 0.026
04/16/2013 08:52:08 0.025
04/16/2013 08:53:08 0.026
04/16/2013 08:54:08 0.028
04/16/2013 08:55:08 0.024
04/16/2013 08:56:08 0.023
04/16/2013 08:57:08 0.024
```

04/16/2013 08:58:08 0.026
04/16/2013 08:59:08 0.025
04/16/2013 09:00:08 0.022
04/16/2013 09:01:08 0.024
04/16/2013 09:02:08 0.024
04/16/2013 09:03:08 0.024
04/16/2013 09:04:08 0.024
04/16/2013 09:05:08 0.024
04/16/2013 09:06:08 0.024
04/16/2013 09:07:08 0.025
04/16/2013 09:08:08 0.024
04/16/2013 09:09:08 0.023
04/16/2013 09:10:08 0.022
04/16/2013 09:11:08 0.023
04/16/2013 09:12:08 0.023
04/16/2013 09:13:08 0.022
04/16/2013 09:14:08 0.022
04/16/2013 09:15:08 0.022
04/16/2013 09:16:08 0.023
04/16/2013 09:17:08 0.023
04/16/2013 09:18:08 0.024
04/16/2013 09:19:08 0.043
04/16/2013 09:20:08 0.026
04/16/2013 09:21:08 0.025
04/16/2013 09:22:08 0.026
04/16/2013 09:23:08 0.026
04/16/2013 09:24:08 0.023
04/16/2013 09:25:08 0.024
04/16/2013 09:26:08 0.024
04/16/2013 09:27:08 0.028
04/16/2013 09:28:08 0.023
04/16/2013 09:29:08 0.023
04/16/2013 09:30:08 0.023
04/16/2013 09:31:08 0.024
04/16/2013 09:32:08 0.024
04/16/2013 09:33:08 0.024
04/16/2013 09:34:08 0.025
04/16/2013 09:35:08 0.025
04/16/2013 09:36:08 0.025
04/16/2013 09:37:08 0.025
04/16/2013 09:38:08 0.027
04/16/2013 09:39:08 0.025
04/16/2013 09:40:08 0.029
04/16/2013 09:41:08 0.028
04/16/2013 09:42:08 0.028
04/16/2013 09:43:08 0.032
04/16/2013 09:44:08 0.027
04/16/2013 09:45:08 0.026
04/16/2013 09:46:08 0.025
04/16/2013 09:47:08 0.024
04/16/2013 09:48:08 0.031
04/16/2013 09:49:08 0.023
04/16/2013 09:50:08 0.023
04/16/2013 09:51:08 0.026
04/16/2013 09:52:08 0.028
04/16/2013 09:53:08 0.026
04/16/2013 09:54:08 0.028
04/16/2013 09:55:08 0.025
04/16/2013 09:56:08 0.025
04/16/2013 09:57:08 0.025
04/16/2013 09:58:08 0.025
04/16/2013 09:59:08 0.024
04/16/2013 10:00:08 0.027

04/16/2013 10:01:08 0.026
04/16/2013 10:02:08 0.024
04/16/2013 10:03:08 0.025
04/16/2013 10:04:08 0.026
04/16/2013 10:05:08 0.040
04/16/2013 10:06:08 0.031
04/16/2013 10:07:08 0.025
04/16/2013 10:08:08 0.025
04/16/2013 10:09:08 0.024
04/16/2013 10:10:08 0.026
04/16/2013 10:11:08 0.028
04/16/2013 10:12:08 0.026
04/16/2013 10:13:08 0.022
04/16/2013 10:14:08 0.023
04/16/2013 10:15:08 0.023
04/16/2013 10:16:08 0.023
04/16/2013 10:17:08 0.024
04/16/2013 10:18:08 0.023
04/16/2013 10:19:08 0.026
04/16/2013 10:20:08 0.042
04/16/2013 10:21:08 0.026
04/16/2013 10:22:08 0.025
04/16/2013 10:23:08 0.025
04/16/2013 10:24:08 0.032
04/16/2013 10:25:08 0.036
04/16/2013 10:26:08 0.023
04/16/2013 10:27:08 0.023
04/16/2013 10:28:08 0.023
04/16/2013 10:29:08 0.025
04/16/2013 10:30:08 0.027
04/16/2013 10:31:08 0.030
04/16/2013 10:32:08 0.028
04/16/2013 10:33:08 0.036
04/16/2013 10:34:08 0.027
04/16/2013 10:35:08 0.027
04/16/2013 10:36:08 0.028
04/16/2013 10:37:08 0.039
04/16/2013 10:38:08 0.114
04/16/2013 10:39:08 0.029
04/16/2013 10:40:08 0.047
04/16/2013 10:41:08 0.037
04/16/2013 10:42:08 0.033
04/16/2013 10:43:08 0.027
04/16/2013 10:44:08 0.036
04/16/2013 10:45:08 0.026
04/16/2013 10:46:08 0.024
04/16/2013 10:47:08 0.024
04/16/2013 10:48:08 0.025
04/16/2013 10:49:08 0.024
04/16/2013 10:50:08 0.033
04/16/2013 10:51:08 0.032
04/16/2013 10:52:08 0.028
04/16/2013 10:53:08 0.023
04/16/2013 10:54:08 0.024
04/16/2013 10:55:08 0.037
04/16/2013 10:56:08 0.041
04/16/2013 10:57:08 0.024
04/16/2013 10:58:08 0.027
04/16/2013 10:59:08 0.024
04/16/2013 11:00:08 0.024
04/16/2013 11:01:08 0.035
04/16/2013 11:02:08 0.028
04/16/2013 11:03:08 0.024

04/16/2013 11:04:08 0.025
04/16/2013 11:05:08 0.026
04/16/2013 11:06:08 0.023
04/16/2013 11:07:08 0.024
04/16/2013 11:08:08 0.026
04/16/2013 11:09:08 0.024
04/16/2013 11:10:08 0.024
04/16/2013 11:11:08 0.025
04/16/2013 11:12:08 0.023
04/16/2013 11:13:08 0.031
04/16/2013 11:14:08 0.031
04/16/2013 11:15:08 0.029
04/16/2013 11:16:08 0.064
04/16/2013 11:17:08 0.032
04/16/2013 11:18:08 0.031
04/16/2013 11:19:08 0.026
04/16/2013 11:20:08 0.024
04/16/2013 11:21:08 0.023
04/16/2013 11:22:08 0.023
04/16/2013 11:23:08 0.023
04/16/2013 11:24:08 0.023
04/16/2013 11:25:08 0.025
04/16/2013 11:26:08 0.024
04/16/2013 11:27:08 0.023
04/16/2013 11:28:08 0.023
04/16/2013 11:29:08 0.023
04/16/2013 11:30:08 0.026
04/16/2013 11:31:08 0.022
04/16/2013 11:32:08 0.023
04/16/2013 11:33:08 0.022
04/16/2013 11:34:08 0.022
04/16/2013 11:35:08 0.022
04/16/2013 11:36:08 0.022
04/16/2013 11:37:08 0.023
04/16/2013 11:38:08 0.022
04/16/2013 11:39:08 0.022
04/16/2013 11:40:08 0.023
04/16/2013 11:41:08 0.023
04/16/2013 11:42:08 0.023
04/16/2013 11:43:08 0.026
04/16/2013 11:44:08 0.024
04/16/2013 11:45:08 0.022
04/16/2013 11:46:08 0.023
04/16/2013 11:47:08 0.023
04/16/2013 11:48:08 0.023
04/16/2013 11:49:08 0.026
04/16/2013 11:50:08 0.023
04/16/2013 11:51:08 0.024
04/16/2013 11:52:08 0.024
04/16/2013 11:53:08 0.024
04/16/2013 11:54:08 0.028
04/16/2013 11:55:08 0.024
04/16/2013 11:56:08 0.025
04/16/2013 11:57:08 0.024
04/16/2013 11:58:08 0.025
04/16/2013 11:59:08 0.024
04/16/2013 12:00:08 0.024
04/16/2013 12:01:08 0.025
04/16/2013 12:02:08 0.025
04/16/2013 12:03:08 0.024
04/16/2013 12:04:08 0.024
04/16/2013 12:05:08 0.024
04/16/2013 12:06:08 0.026

04/16/2013 12:07:08 0.024
04/16/2013 12:08:08 0.051
04/16/2013 12:09:08 0.036
04/16/2013 12:10:08 0.025
04/16/2013 12:11:08 0.023
04/16/2013 12:12:08 0.024
04/16/2013 12:13:08 0.023
04/16/2013 12:14:08 0.024
04/16/2013 12:15:08 0.023
04/16/2013 12:16:08 0.025
04/16/2013 12:17:08 0.023
04/16/2013 12:18:08 0.022
04/16/2013 12:19:08 0.025
04/16/2013 12:20:08 0.025
04/16/2013 12:21:08 0.024
04/16/2013 12:22:08 0.024
04/16/2013 12:23:08 0.024
04/16/2013 12:24:08 0.024
04/16/2013 12:25:08 0.024
04/16/2013 12:26:08 0.027
04/16/2013 12:27:08 0.029
04/16/2013 12:28:08 0.025
04/16/2013 12:29:08 0.025
04/16/2013 12:30:08 0.026
04/16/2013 12:31:08 0.025
04/16/2013 12:32:08 0.026
04/16/2013 12:33:08 0.026
04/16/2013 12:34:08 0.025
04/16/2013 12:35:08 0.026
04/16/2013 12:36:08 0.026
04/16/2013 12:37:08 0.027
04/16/2013 12:38:08 0.027
04/16/2013 12:39:08 0.030
04/16/2013 12:40:08 0.029
04/16/2013 12:41:08 0.027
04/16/2013 12:42:08 0.027
04/16/2013 12:43:08 0.028
04/16/2013 12:44:08 0.028
04/16/2013 12:45:08 0.034
04/16/2013 12:46:08 0.039
04/16/2013 12:47:08 0.034
04/16/2013 12:48:08 0.031
04/16/2013 12:49:08 0.084
04/16/2013 12:50:08 0.029
04/16/2013 12:51:08 0.034
04/16/2013 12:52:08 0.031
04/16/2013 12:53:08 0.034
04/16/2013 12:54:08 0.035
04/16/2013 12:55:08 0.031
04/16/2013 12:56:08 0.032
04/16/2013 12:57:08 0.031
04/16/2013 12:58:08 0.032
04/16/2013 12:59:08 0.034
04/16/2013 13:00:08 0.030
04/16/2013 13:01:08 0.029
04/16/2013 13:02:08 0.032
04/16/2013 13:03:08 0.030
04/16/2013 13:04:08 0.030
04/16/2013 13:05:08 0.030
04/16/2013 13:06:08 0.048
04/16/2013 13:07:08 0.047
04/16/2013 13:08:08 0.030
04/16/2013 13:09:08 0.031

04/16/2013 13:10:08 0.033
04/16/2013 13:11:08 0.033
04/16/2013 13:12:08 0.035
04/16/2013 13:13:08 0.034
04/16/2013 13:14:08 0.031
04/16/2013 13:15:08 0.029
04/16/2013 13:16:08 0.031
04/16/2013 13:17:08 0.029
04/16/2013 13:18:08 0.030
04/16/2013 13:19:08 0.030
04/16/2013 13:20:08 0.027
04/16/2013 13:21:08 0.028
04/16/2013 13:22:08 0.029
04/16/2013 13:23:08 0.031
04/16/2013 13:24:08 0.027
04/16/2013 13:25:08 0.028
04/16/2013 13:26:08 0.028
04/16/2013 13:27:08 0.027
04/16/2013 13:28:08 0.028
04/16/2013 13:29:08 0.027
04/16/2013 13:30:08 0.027
04/16/2013 13:31:08 0.032
04/16/2013 13:32:08 0.027
04/16/2013 13:33:08 0.027

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121503
Test ID: 004
Test Abbreviation: TEST 1_004
Start Date: 04/17/2013
Start Time: 08:20:48
Duration (dd:hh:mm:ss): 0:08:33:00
Log Interval (mm:ss): 01:00
Number of points: 513
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.011
 Minimum: 0.003
 Time of Minimum: 10:29:48
 Date of Minimum: 04/17/2013
 Maximum: 0.332
 Time of Maximum: 08:28:48
 Date of Maximum: 04/17/2013

Calibration Sensor: AEROSOL
 Cal. date 03/06/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/17/2013 08:21:48 0.121
04/17/2013 08:22:48 0.040
04/17/2013 08:23:48 0.118
04/17/2013 08:24:48 0.102
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Model: DustTrak II

Model Number: 8530
Serial Number: 8530121503
Test ID: 005
Test Abbreviation: TEST 1_005
Start Date: 04/18/2013
Start Time: 08:09:41
Duration (dd:hh:mm:ss): 0:09:41:00
Log Interval (mm:ss): 01:00
Number of points: 581
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.020
 Minimum: 0.005
 Time of Minimum: 08:10:41
 Date of Minimum: 04/18/2013
 Maximum: 0.235
 Time of Maximum: 13:38:41
 Date of Maximum: 04/18/2013

Calibration Sensor: AEROSOL
 Cal. date 03/06/2013

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
04/18/2013	08:10:41	0.005
04/18/2013	08:11:41	0.006
04/18/2013	08:12:41	0.007
04/18/2013	08:13:41	0.006
04/18/2013	08:14:41	0.024
04/18/2013	08:15:41	0.006
04/18/2013	08:16:41	0.007
04/18/2013	08:17:41	0.006
04/18/2013	08:18:41	0.005
04/18/2013	08:19:41	0.005
04/18/2013	08:20:41	0.006
04/18/2013	08:21:41	0.008
04/18/2013	08:22:41	0.005
04/18/2013	08:23:41	0.006
04/18/2013	08:24:41	0.006
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04/18/2013 17:26:41 0.030
04/18/2013 17:27:41 0.034
04/18/2013 17:28:41 0.020
04/18/2013 17:29:41 0.032
04/18/2013 17:30:41 0.038
04/18/2013 17:31:41 0.023
04/18/2013 17:32:41 0.021
04/18/2013 17:33:41 0.020
04/18/2013 17:34:41 0.023
04/18/2013 17:35:41 0.023
04/18/2013 17:36:41 0.019
04/18/2013 17:37:41 0.023
04/18/2013 17:38:41 0.024
04/18/2013 17:39:41 0.039
04/18/2013 17:40:41 0.021
04/18/2013 17:41:41 0.020
04/18/2013 17:42:41 0.022
04/18/2013 17:43:41 0.020
04/18/2013 17:44:41 0.020
04/18/2013 17:45:41 0.019
04/18/2013 17:46:41 0.024
04/18/2013 17:47:41 0.019
04/18/2013 17:48:41 0.020
04/18/2013 17:49:41 0.021
04/18/2013 17:50:41 0.023

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121503
Test ID: 006
Test Abbreviation: TEST 1_006
Start Date: 04/19/2013
Start Time: 08:27:59
Duration (dd:hh:mm:ss): 0:02:01:00
Log Interval (mm:ss): 01:00
Number of points: 121
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.030
 Minimum: 0.018
 Time of Minimum: 09:29:59
 Date of Minimum: 04/19/2013
 Maximum: 0.111
 Time of Maximum: 09:07:59
 Date of Maximum: 04/19/2013

Calibration Sensor: AEROSOL
 Cal. date 03/06/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/19/2013 08:28:59 0.028
04/19/2013 08:29:59 0.022
04/19/2013 08:30:59 0.022
04/19/2013 08:31:59 0.023
04/19/2013 08:32:59 0.038
04/19/2013 08:33:59 0.024
04/19/2013 08:34:59 0.026
04/19/2013 08:35:59 0.062
04/19/2013 08:36:59 0.040
04/19/2013 08:37:59 0.048
04/19/2013 08:38:59 0.038
04/19/2013 08:39:59 0.023
04/19/2013 08:40:59 0.028
04/19/2013 08:41:59 0.032
04/19/2013 08:42:59 0.026
04/19/2013 08:43:59 0.026
04/19/2013 08:44:59 0.031
04/19/2013 08:45:59 0.027
04/19/2013 08:46:59 0.032
04/19/2013 08:47:59 0.047
04/19/2013 08:48:59 0.038
04/19/2013 08:49:59 0.033
04/19/2013 08:50:59 0.031
04/19/2013 08:51:59 0.030
04/19/2013 08:52:59 0.027
04/19/2013 08:53:59 0.029
04/19/2013 08:54:59 0.021
04/19/2013 08:55:59 0.027
04/19/2013 08:56:59 0.034
04/19/2013 08:57:59 0.044
04/19/2013 08:58:59 0.031
04/19/2013 08:59:59 0.023
04/19/2013 09:00:59 0.036
04/19/2013 09:01:59 0.041
04/19/2013 09:02:59 0.025
04/19/2013 09:03:59 0.024
04/19/2013 09:04:59 0.021
04/19/2013 09:05:59 0.027
04/19/2013 09:06:59 0.024
04/19/2013 09:07:59 0.111
04/19/2013 09:08:59 0.098
04/19/2013 09:09:59 0.068
04/19/2013 09:10:59 0.037
04/19/2013 09:11:59 0.057
04/19/2013 09:12:59 0.036
04/19/2013 09:13:59 0.020
04/19/2013 09:14:59 0.020
04/19/2013 09:15:59 0.029
04/19/2013 09:16:59 0.021
04/19/2013 09:17:59 0.020
04/19/2013 09:18:59 0.029
04/19/2013 09:19:59 0.020
04/19/2013 09:20:59 0.020
04/19/2013 09:21:59 0.026
04/19/2013 09:22:59 0.048
04/19/2013 09:23:59 0.031
04/19/2013 09:24:59 0.020
04/19/2013 09:25:59 0.020

04/19/2013 09:26:59 0.019
04/19/2013 09:27:59 0.019
04/19/2013 09:28:59 0.019
04/19/2013 09:29:59 0.018
04/19/2013 09:30:59 0.022
04/19/2013 09:31:59 0.022
04/19/2013 09:32:59 0.018
04/19/2013 09:33:59 0.019
04/19/2013 09:34:59 0.024
04/19/2013 09:35:59 0.027
04/19/2013 09:36:59 0.029
04/19/2013 09:37:59 0.022
04/19/2013 09:38:59 0.026
04/19/2013 09:39:59 0.028
04/19/2013 09:40:59 0.024
04/19/2013 09:41:59 0.022
04/19/2013 09:42:59 0.024
04/19/2013 09:43:59 0.027
04/19/2013 09:44:59 0.023
04/19/2013 09:45:59 0.027
04/19/2013 09:46:59 0.028
04/19/2013 09:47:59 0.028
04/19/2013 09:48:59 0.027
04/19/2013 09:49:59 0.022
04/19/2013 09:50:59 0.041
04/19/2013 09:51:59 0.026
04/19/2013 09:52:59 0.028
04/19/2013 09:53:59 0.025
04/19/2013 09:54:59 0.020
04/19/2013 09:55:59 0.027
04/19/2013 09:56:59 0.028
04/19/2013 09:57:59 0.030
04/19/2013 09:58:59 0.021
04/19/2013 09:59:59 0.028
04/19/2013 10:00:59 0.040
04/19/2013 10:01:59 0.039
04/19/2013 10:02:59 0.025
04/19/2013 10:03:59 0.021
04/19/2013 10:04:59 0.022
04/19/2013 10:05:59 0.029
04/19/2013 10:06:59 0.023
04/19/2013 10:07:59 0.023
04/19/2013 10:08:59 0.023
04/19/2013 10:09:59 0.024
04/19/2013 10:10:59 0.038
04/19/2013 10:11:59 0.028
04/19/2013 10:12:59 0.034
04/19/2013 10:13:59 0.025
04/19/2013 10:14:59 0.084
04/19/2013 10:15:59 0.027
04/19/2013 10:16:59 0.026
04/19/2013 10:17:59 0.026
04/19/2013 10:18:59 0.030
04/19/2013 10:19:59 0.027
04/19/2013 10:20:59 0.025
04/19/2013 10:21:59 0.040
04/19/2013 10:22:59 0.026
04/19/2013 10:23:59 0.025
04/19/2013 10:24:59 0.023
04/19/2013 10:25:59 0.059
04/19/2013 10:26:59 0.026
04/19/2013 10:27:59 0.028
04/19/2013 10:28:59 0.023

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121503
Test ID: 007
Test Abbreviation: TEST 1_007
Start Date: 04/22/2013
Start Time: 08:18:22
Duration (dd:hh:mm:ss): 0:09:11:00
Log Interval (mm:ss): 01:00
Number of points: 551
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.030
 Minimum: 0.014
 Time of Minimum: 08:20:22
 Date of Minimum: 04/22/2013
 Maximum: 1.200
 Time of Maximum: 15:02:22
 Date of Maximum: 04/22/2013

Calibration Sensor: AEROSOL
 Cal. date 03/06/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/22/2013 08:19:22 0.015
04/22/2013 08:20:22 0.014
04/22/2013 08:21:22 0.014
04/22/2013 08:22:22 0.019
04/22/2013 08:23:22 0.015
04/22/2013 08:24:22 0.015
04/22/2013 08:25:22 0.014
04/22/2013 08:26:22 0.014
04/22/2013 08:27:22 0.014
04/22/2013 08:28:22 0.014
04/22/2013 08:29:22 0.014
04/22/2013 08:30:22 0.015
04/22/2013 08:31:22 0.015
04/22/2013 08:32:22 0.015
04/22/2013 08:33:22 0.015
04/22/2013 08:34:22 0.019
04/22/2013 08:35:22 0.021
04/22/2013 08:36:22 0.016
04/22/2013 08:37:22 0.015
04/22/2013 08:38:22 0.022
04/22/2013 08:39:22 0.018
04/22/2013 08:40:22 0.016
04/22/2013 08:41:22 0.016
04/22/2013 08:42:22 0.015
04/22/2013 08:43:22 0.016
04/22/2013 08:44:22 0.018
04/22/2013 08:45:22 0.018
04/22/2013 08:46:22 0.018
04/22/2013 08:47:22 0.017
04/22/2013 08:48:22 0.017
04/22/2013 08:49:22 0.017
04/22/2013 08:50:22 0.016
04/22/2013 08:51:22 0.015
04/22/2013 08:52:22 0.015
04/22/2013 08:53:22 0.015

04/22/2013 08:54:22 0.016
04/22/2013 08:55:22 0.017
04/22/2013 08:56:22 0.017
04/22/2013 08:57:22 0.016
04/22/2013 08:58:22 0.016
04/22/2013 08:59:22 0.017
04/22/2013 09:00:22 0.016
04/22/2013 09:01:22 0.015
04/22/2013 09:02:22 0.015
04/22/2013 09:03:22 0.015
04/22/2013 09:04:22 0.015
04/22/2013 09:05:22 0.017
04/22/2013 09:06:22 0.017
04/22/2013 09:07:22 0.017
04/22/2013 09:08:22 0.016
04/22/2013 09:09:22 0.016
04/22/2013 09:10:22 0.016
04/22/2013 09:11:22 0.015
04/22/2013 09:12:22 0.016
04/22/2013 09:13:22 0.015
04/22/2013 09:14:22 0.015
04/22/2013 09:15:22 0.015
04/22/2013 09:16:22 0.016
04/22/2013 09:17:22 0.016
04/22/2013 09:18:22 0.017
04/22/2013 09:19:22 0.017
04/22/2013 09:20:22 0.017
04/22/2013 09:21:22 0.017
04/22/2013 09:22:22 0.016
04/22/2013 09:23:22 0.015
04/22/2013 09:24:22 0.015
04/22/2013 09:25:22 0.015
04/22/2013 09:26:22 0.015
04/22/2013 09:27:22 0.016
04/22/2013 09:28:22 0.016
04/22/2013 09:29:22 0.017
04/22/2013 09:30:22 0.017
04/22/2013 09:31:22 0.017
04/22/2013 09:32:22 0.017
04/22/2013 09:33:22 0.017
04/22/2013 09:34:22 0.021
04/22/2013 09:35:22 0.017
04/22/2013 09:36:22 0.016
04/22/2013 09:37:22 0.016
04/22/2013 09:38:22 0.016
04/22/2013 09:39:22 0.016
04/22/2013 09:40:22 0.016
04/22/2013 09:41:22 0.017
04/22/2013 09:42:22 0.017
04/22/2013 09:43:22 0.017
04/22/2013 09:44:22 0.017
04/22/2013 09:45:22 0.018
04/22/2013 09:46:22 0.018
04/22/2013 09:47:22 0.018
04/22/2013 09:48:22 0.018
04/22/2013 09:49:22 0.018
04/22/2013 09:50:22 0.018
04/22/2013 09:51:22 0.019
04/22/2013 09:52:22 0.017
04/22/2013 09:53:22 0.017
04/22/2013 09:54:22 0.017
04/22/2013 09:55:22 0.016
04/22/2013 09:56:22 0.016

04/22/2013 09:57:22 0.017
04/22/2013 09:58:22 0.017
04/22/2013 09:59:22 0.017
04/22/2013 10:00:22 0.018
04/22/2013 10:01:22 0.018
04/22/2013 10:02:22 0.018
04/22/2013 10:03:22 0.019
04/22/2013 10:04:22 0.019
04/22/2013 10:05:22 0.018
04/22/2013 10:06:22 0.018
04/22/2013 10:07:22 0.018
04/22/2013 10:08:22 0.017
04/22/2013 10:09:22 0.017
04/22/2013 10:10:22 0.017
04/22/2013 10:11:22 0.016
04/22/2013 10:12:22 0.016
04/22/2013 10:13:22 0.017
04/22/2013 10:14:22 0.017
04/22/2013 10:15:22 0.017
04/22/2013 10:16:22 0.018
04/22/2013 10:17:22 0.018
04/22/2013 10:18:22 0.019
04/22/2013 10:19:22 0.018
04/22/2013 10:20:22 0.019
04/22/2013 10:21:22 0.018
04/22/2013 10:22:22 0.018
04/22/2013 10:23:22 0.018
04/22/2013 10:24:22 0.017
04/22/2013 10:25:22 0.017
04/22/2013 10:26:22 0.017
04/22/2013 10:27:22 0.016
04/22/2013 10:28:22 0.017
04/22/2013 10:29:22 0.017
04/22/2013 10:30:22 0.017
04/22/2013 10:31:22 0.018
04/22/2013 10:32:22 0.018
04/22/2013 10:33:22 0.019
04/22/2013 10:34:22 0.019
04/22/2013 10:35:22 0.019
04/22/2013 10:36:22 0.019
04/22/2013 10:37:22 0.019
04/22/2013 10:38:22 0.018
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04/22/2013 10:42:22 0.018
04/22/2013 10:43:22 0.017
04/22/2013 10:44:22 0.017
04/22/2013 10:45:22 0.017
04/22/2013 10:46:22 0.017
04/22/2013 10:47:22 0.017
04/22/2013 10:48:22 0.017
04/22/2013 10:49:22 0.017
04/22/2013 10:50:22 0.018
04/22/2013 10:51:22 0.019
04/22/2013 10:52:22 0.019
04/22/2013 10:53:22 0.019
04/22/2013 10:54:22 0.019
04/22/2013 10:55:22 0.019
04/22/2013 10:56:22 0.020
04/22/2013 10:57:22 0.020
04/22/2013 10:58:22 0.019
04/22/2013 10:59:22 0.020

04/22/2013 11:00:22 0.020
04/22/2013 11:01:22 0.018
04/22/2013 11:02:22 0.019
04/22/2013 11:03:22 0.019
04/22/2013 11:04:22 0.018
04/22/2013 11:05:22 0.019
04/22/2013 11:06:22 0.019
04/22/2013 11:07:22 0.018
04/22/2013 11:08:22 0.018
04/22/2013 11:09:22 0.018
04/22/2013 11:10:22 0.018
04/22/2013 11:11:22 0.019
04/22/2013 11:12:22 0.017
04/22/2013 11:13:22 0.019
04/22/2013 11:14:22 0.018
04/22/2013 11:15:22 0.023
04/22/2013 11:16:22 0.018
04/22/2013 11:17:22 0.024
04/22/2013 11:18:22 0.019
04/22/2013 11:19:22 0.019
04/22/2013 11:20:22 0.018
04/22/2013 11:21:22 0.018
04/22/2013 11:22:22 0.020
04/22/2013 11:23:22 0.018
04/22/2013 11:24:22 0.018
04/22/2013 11:25:22 0.020
04/22/2013 11:26:22 0.020
04/22/2013 11:27:22 0.020
04/22/2013 11:28:22 0.019
04/22/2013 11:29:22 0.022
04/22/2013 11:30:22 0.019
04/22/2013 11:31:22 0.018
04/22/2013 11:32:22 0.020
04/22/2013 11:33:22 0.020
04/22/2013 11:34:22 0.019
04/22/2013 11:35:22 0.019
04/22/2013 11:36:22 0.020
04/22/2013 11:37:22 0.019
04/22/2013 11:38:22 0.019
04/22/2013 11:39:22 0.020
04/22/2013 11:40:22 0.021
04/22/2013 11:41:22 0.020
04/22/2013 11:42:22 0.019
04/22/2013 11:43:22 0.019
04/22/2013 11:44:22 0.019
04/22/2013 11:45:22 0.020
04/22/2013 11:46:22 0.019
04/22/2013 11:47:22 0.018
04/22/2013 11:48:22 0.020
04/22/2013 11:49:22 0.019
04/22/2013 11:50:22 0.019
04/22/2013 11:51:22 0.019
04/22/2013 11:52:22 0.018
04/22/2013 11:53:22 0.019
04/22/2013 11:54:22 0.018
04/22/2013 11:55:22 0.019
04/22/2013 11:56:22 0.018
04/22/2013 11:57:22 0.018
04/22/2013 11:58:22 0.018
04/22/2013 11:59:22 0.018
04/22/2013 12:00:22 0.018
04/22/2013 12:01:22 0.018
04/22/2013 12:02:22 0.018

04/22/2013 12:03:22 0.027
04/22/2013 12:04:22 0.017
04/22/2013 12:05:22 0.017
04/22/2013 12:06:22 0.017
04/22/2013 12:07:22 0.017
04/22/2013 12:08:22 0.017
04/22/2013 12:09:22 0.017
04/22/2013 12:10:22 0.018
04/22/2013 12:11:22 0.016
04/22/2013 12:12:22 0.017
04/22/2013 12:13:22 0.016
04/22/2013 12:14:22 0.021
04/22/2013 12:15:22 0.017
04/22/2013 12:16:22 0.016
04/22/2013 12:17:22 0.017
04/22/2013 12:18:22 0.016
04/22/2013 12:19:22 0.016
04/22/2013 12:20:22 0.016
04/22/2013 12:21:22 0.017
04/22/2013 12:22:22 0.017
04/22/2013 12:23:22 0.017
04/22/2013 12:24:22 0.017
04/22/2013 12:25:22 0.016
04/22/2013 12:26:22 0.019
04/22/2013 12:27:22 0.016
04/22/2013 12:28:22 0.016
04/22/2013 12:29:22 0.017
04/22/2013 12:30:22 0.017
04/22/2013 12:31:22 0.016
04/22/2013 12:32:22 0.016
04/22/2013 12:33:22 0.016
04/22/2013 12:34:22 0.016
04/22/2013 12:35:22 0.016
04/22/2013 12:36:22 0.016
04/22/2013 12:37:22 0.016
04/22/2013 12:38:22 0.017
04/22/2013 12:39:22 0.017
04/22/2013 12:40:22 0.017
04/22/2013 12:41:22 0.017
04/22/2013 12:42:22 0.017
04/22/2013 12:43:22 0.017
04/22/2013 12:44:22 0.017
04/22/2013 12:45:22 0.017
04/22/2013 12:46:22 0.016
04/22/2013 12:47:22 0.016
04/22/2013 12:48:22 0.017
04/22/2013 12:49:22 0.017
04/22/2013 12:50:22 0.017
04/22/2013 12:51:22 0.017
04/22/2013 12:52:22 0.017
04/22/2013 12:53:22 0.019
04/22/2013 12:54:22 0.018
04/22/2013 12:55:22 0.017
04/22/2013 12:56:22 0.020
04/22/2013 12:57:22 0.018
04/22/2013 12:58:22 0.017
04/22/2013 12:59:22 0.016
04/22/2013 13:00:22 0.016
04/22/2013 13:01:22 0.016
04/22/2013 13:02:22 0.021
04/22/2013 13:03:22 0.016
04/22/2013 13:04:22 0.017
04/22/2013 13:05:22 0.017

04/22/2013 13:06:22 0.015
04/22/2013 13:07:22 0.016
04/22/2013 13:08:22 0.016
04/22/2013 13:09:22 0.016
04/22/2013 13:10:22 0.015
04/22/2013 13:11:22 0.016
04/22/2013 13:12:22 0.017
04/22/2013 13:13:22 0.016
04/22/2013 13:14:22 0.016
04/22/2013 13:15:22 0.016
04/22/2013 13:16:22 0.016
04/22/2013 13:17:22 0.016
04/22/2013 13:18:22 0.016
04/22/2013 13:19:22 0.016
04/22/2013 13:20:22 0.018
04/22/2013 13:21:22 0.018
04/22/2013 13:22:22 0.017
04/22/2013 13:23:22 0.017
04/22/2013 13:24:22 0.019
04/22/2013 13:25:22 0.017
04/22/2013 13:26:22 0.016
04/22/2013 13:27:22 0.016
04/22/2013 13:28:22 0.016
04/22/2013 13:29:22 0.016
04/22/2013 13:30:22 0.016
04/22/2013 13:31:22 0.017
04/22/2013 13:32:22 0.017
04/22/2013 13:33:22 0.016
04/22/2013 13:34:22 0.018
04/22/2013 13:35:22 0.019
04/22/2013 13:36:22 0.017
04/22/2013 13:37:22 0.017
04/22/2013 13:38:22 0.017
04/22/2013 13:39:22 0.017
04/22/2013 13:40:22 0.019
04/22/2013 13:41:22 0.021
04/22/2013 13:42:22 0.087
04/22/2013 13:43:22 0.025
04/22/2013 13:44:22 0.057
04/22/2013 13:45:22 0.024
04/22/2013 13:46:22 0.018
04/22/2013 13:47:22 0.019
04/22/2013 13:48:22 0.018
04/22/2013 13:49:22 0.017
04/22/2013 13:50:22 0.017
04/22/2013 13:51:22 0.018
04/22/2013 13:52:22 0.021
04/22/2013 13:53:22 0.017
04/22/2013 13:54:22 0.017
04/22/2013 13:55:22 0.019
04/22/2013 13:56:22 0.017
04/22/2013 13:57:22 0.017
04/22/2013 13:58:22 0.016
04/22/2013 13:59:22 0.016
04/22/2013 14:00:22 0.016
04/22/2013 14:01:22 0.019
04/22/2013 14:02:22 0.019
04/22/2013 14:03:22 0.017
04/22/2013 14:04:22 0.016
04/22/2013 14:05:22 0.017
04/22/2013 14:06:22 0.024
04/22/2013 14:07:22 0.017
04/22/2013 14:08:22 0.022

04/22/2013 14:09:22 0.016
04/22/2013 14:10:22 0.016
04/22/2013 14:11:22 0.017
04/22/2013 14:12:22 0.016
04/22/2013 14:13:22 0.017
04/22/2013 14:14:22 0.017
04/22/2013 14:15:22 0.016
04/22/2013 14:16:22 0.015
04/22/2013 14:17:22 0.015
04/22/2013 14:18:22 0.015
04/22/2013 14:19:22 0.016
04/22/2013 14:20:22 0.015
04/22/2013 14:21:22 0.016
04/22/2013 14:22:22 0.015
04/22/2013 14:23:22 0.015
04/22/2013 14:24:22 0.016
04/22/2013 14:25:22 0.016
04/22/2013 14:26:22 0.015
04/22/2013 14:27:22 0.016
04/22/2013 14:28:22 0.016
04/22/2013 14:29:22 0.019
04/22/2013 14:30:22 0.015
04/22/2013 14:31:22 0.015
04/22/2013 14:32:22 0.016
04/22/2013 14:33:22 0.017
04/22/2013 14:34:22 0.016
04/22/2013 14:35:22 0.016
04/22/2013 14:36:22 0.017
04/22/2013 14:37:22 0.017
04/22/2013 14:38:22 0.026
04/22/2013 14:39:22 0.026
04/22/2013 14:40:22 0.017
04/22/2013 14:41:22 0.017
04/22/2013 14:42:22 0.018
04/22/2013 14:43:22 0.018
04/22/2013 14:44:22 0.019
04/22/2013 14:45:22 0.019
04/22/2013 14:46:22 0.020
04/22/2013 14:47:22 0.022
04/22/2013 14:48:22 0.020
04/22/2013 14:49:22 0.019
04/22/2013 14:50:22 0.019
04/22/2013 14:51:22 0.019
04/22/2013 14:52:22 0.021
04/22/2013 14:53:22 0.021
04/22/2013 14:54:22 0.039
04/22/2013 14:55:22 0.096
04/22/2013 14:56:22 0.076
04/22/2013 14:57:22 0.043
04/22/2013 14:58:22 0.020
04/22/2013 14:59:22 0.089
04/22/2013 15:00:22 0.024
04/22/2013 15:01:22 0.059
04/22/2013 15:02:22 1.200
04/22/2013 15:03:22 0.483
04/22/2013 15:04:22 0.138
04/22/2013 15:05:22 0.400
04/22/2013 15:06:22 0.187
04/22/2013 15:07:22 0.127
04/22/2013 15:08:22 0.033
04/22/2013 15:09:22 0.201
04/22/2013 15:10:22 0.117
04/22/2013 15:11:22 0.322

04/22/2013 15:12:22 0.185
04/22/2013 15:13:22 0.029
04/22/2013 15:14:22 0.033
04/22/2013 15:15:22 0.049
04/22/2013 15:16:22 0.096
04/22/2013 15:17:22 0.025
04/22/2013 15:18:22 0.073
04/22/2013 15:19:22 0.054
04/22/2013 15:20:22 0.027
04/22/2013 15:21:22 0.046
04/22/2013 15:22:22 0.055
04/22/2013 15:23:22 0.039
04/22/2013 15:24:22 0.054
04/22/2013 15:25:22 0.107
04/22/2013 15:26:22 0.029
04/22/2013 15:27:22 0.035
04/22/2013 15:28:22 0.038
04/22/2013 15:29:22 0.035
04/22/2013 15:30:22 0.039
04/22/2013 15:31:22 0.035
04/22/2013 15:32:22 0.054
04/22/2013 15:33:22 0.051
04/22/2013 15:34:22 0.033
04/22/2013 15:35:22 0.070
04/22/2013 15:36:22 0.067
04/22/2013 15:37:22 0.057
04/22/2013 15:38:22 0.101
04/22/2013 15:39:22 0.040
04/22/2013 15:40:22 0.062
04/22/2013 15:41:22 0.044
04/22/2013 15:42:22 0.063
04/22/2013 15:43:22 0.055
04/22/2013 15:44:22 0.020
04/22/2013 15:45:22 0.127
04/22/2013 15:46:22 0.042
04/22/2013 15:47:22 0.049
04/22/2013 15:48:22 0.036
04/22/2013 15:49:22 0.031
04/22/2013 15:50:22 0.033
04/22/2013 15:51:22 0.030
04/22/2013 15:52:22 0.031
04/22/2013 15:53:22 0.028
04/22/2013 15:54:22 0.046
04/22/2013 15:55:22 0.024
04/22/2013 15:56:22 0.042
04/22/2013 15:57:22 0.048
04/22/2013 15:58:22 0.043
04/22/2013 15:59:22 0.078
04/22/2013 16:00:22 0.045
04/22/2013 16:01:22 0.051
04/22/2013 16:02:22 0.058
04/22/2013 16:03:22 0.067
04/22/2013 16:04:22 0.038
04/22/2013 16:05:22 0.033
04/22/2013 16:06:22 0.032
04/22/2013 16:07:22 0.026
04/22/2013 16:08:22 0.025
04/22/2013 16:09:22 0.024
04/22/2013 16:10:22 0.017
04/22/2013 16:11:22 0.032
04/22/2013 16:12:22 0.211
04/22/2013 16:13:22 0.040
04/22/2013 16:14:22 0.042

04/22/2013 16:15:22 0.028
04/22/2013 16:16:22 0.059
04/22/2013 16:17:22 0.067
04/22/2013 16:18:22 0.039
04/22/2013 16:19:22 0.034
04/22/2013 16:20:22 0.046
04/22/2013 16:21:22 0.075
04/22/2013 16:22:22 0.033
04/22/2013 16:23:22 0.067
04/22/2013 16:24:22 0.052
04/22/2013 16:25:22 0.069
04/22/2013 16:26:22 0.049
04/22/2013 16:27:22 0.022
04/22/2013 16:28:22 0.023
04/22/2013 16:29:22 0.114
04/22/2013 16:30:22 0.036
04/22/2013 16:31:22 0.032
04/22/2013 16:32:22 0.090
04/22/2013 16:33:22 0.039
04/22/2013 16:34:22 0.018
04/22/2013 16:35:22 0.017
04/22/2013 16:36:22 0.017
04/22/2013 16:37:22 0.018
04/22/2013 16:38:22 0.020
04/22/2013 16:39:22 0.019
04/22/2013 16:40:22 0.018
04/22/2013 16:41:22 0.018
04/22/2013 16:42:22 0.018
04/22/2013 16:43:22 0.058
04/22/2013 16:44:22 0.058
04/22/2013 16:45:22 0.019
04/22/2013 16:46:22 0.022
04/22/2013 16:47:22 0.031
04/22/2013 16:48:22 0.027
04/22/2013 16:49:22 0.021
04/22/2013 16:50:22 0.021
04/22/2013 16:51:22 0.032
04/22/2013 16:52:22 0.027
04/22/2013 16:53:22 0.027
04/22/2013 16:54:22 0.063
04/22/2013 16:55:22 0.069
04/22/2013 16:56:22 0.028
04/22/2013 16:57:22 0.061
04/22/2013 16:58:22 0.028
04/22/2013 16:59:22 0.030
04/22/2013 17:00:22 0.032
04/22/2013 17:01:22 0.061
04/22/2013 17:02:22 0.129
04/22/2013 17:03:22 0.078
04/22/2013 17:04:22 0.056
04/22/2013 17:05:22 0.022
04/22/2013 17:06:22 0.029
04/22/2013 17:07:22 0.017
04/22/2013 17:08:22 0.017
04/22/2013 17:09:22 0.017
04/22/2013 17:10:22 0.018
04/22/2013 17:11:22 0.019
04/22/2013 17:12:22 0.034
04/22/2013 17:13:22 0.030
04/22/2013 17:14:22 0.025
04/22/2013 17:15:22 0.035
04/22/2013 17:16:22 0.023
04/22/2013 17:17:22 0.028

04/22/2013 17:18:22 0.104
04/22/2013 17:19:22 0.035
04/22/2013 17:20:22 0.024
04/22/2013 17:21:22 0.027
04/22/2013 17:22:22 0.021
04/22/2013 17:23:22 0.023
04/22/2013 17:24:22 0.028
04/22/2013 17:25:22 0.017
04/22/2013 17:26:22 0.017
04/22/2013 17:27:22 0.020
04/22/2013 17:28:22 0.018
04/22/2013 17:29:22 0.022

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121503
Test ID: 008
Test Abbreviation: TEST 1_008
Start Date: 04/23/2013
Start Time: 08:00:31
Duration (dd:hh:mm:ss): 0:00:40:00
Log Interval (mm:ss): 01:00
Number of points: 40
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.017
 Minimum: 0.015
 Time of Minimum: 08:06:31
 Date of Minimum: 04/23/2013
 Maximum: 0.030
 Time of Maximum: 08:01:31
 Date of Maximum: 04/23/2013

Calibration Sensor: AEROSOL
 Cal. date 03/06/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/23/2013 08:01:31 0.030
04/23/2013 08:02:31 0.017
04/23/2013 08:03:31 0.016
04/23/2013 08:04:31 0.016
04/23/2013 08:05:31 0.016
04/23/2013 08:06:31 0.015
04/23/2013 08:07:31 0.015
04/23/2013 08:08:31 0.015
04/23/2013 08:09:31 0.015
04/23/2013 08:10:31 0.015
04/23/2013 08:11:31 0.015
04/23/2013 08:12:31 0.016
04/23/2013 08:13:31 0.016
04/23/2013 08:14:31 0.017
04/23/2013 08:15:31 0.020
04/23/2013 08:16:31 0.020
04/23/2013 08:17:31 0.017
04/23/2013 08:18:31 0.016
04/23/2013 08:19:31 0.016
04/23/2013 08:20:31 0.015
04/23/2013 08:21:31 0.015
04/23/2013 08:22:31 0.015
04/23/2013 08:23:31 0.015

```
04/23/2013 08:24:31 0.016
04/23/2013 08:25:31 0.016
04/23/2013 08:26:31 0.016
04/23/2013 08:27:31 0.017
04/23/2013 08:28:31 0.022
04/23/2013 08:29:31 0.024
04/23/2013 08:30:31 0.017
04/23/2013 08:31:31 0.017
04/23/2013 08:32:31 0.016
04/23/2013 08:33:31 0.016
04/23/2013 08:34:31 0.015
04/23/2013 08:35:31 0.015
04/23/2013 08:36:31 0.015
04/23/2013 08:37:31 0.016
04/23/2013 08:38:31 0.016
04/23/2013 08:39:31 0.017
04/23/2013 08:40:31 0.017
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 009399

User ID: 00000001 Site ID: 00000004

Data Points: 34 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 04/01/2013 09:38

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/2/2013 8:46	0		0		0	
2	4/2/2013 9:01	0		0		0	
3	4/2/2013 9:16	0		0		0	
4	4/2/2013 9:31	0		0		0	
5	4/2/2013 9:46	0		0		0	
6	4/2/2013 10:01	0		0		0	
7	4/2/2013 10:16	0		0		0	
8	4/2/2013 10:31	0		0		0	
9	4/2/2013 10:46	0		0		0	
10	4/2/2013 11:01	0		0		0	
11	4/2/2013 11:16	0		0		0	
12	4/2/2013 11:31	0		0		0	
13	4/2/2013 11:46	0		0		0	
14	4/2/2013 12:01	0		0		0	
15	4/2/2013 12:16	0		0		0	
16	4/2/2013 12:31	0		0		0	
17	4/2/2013 12:46	0		0		0	
18	4/2/2013 13:01	0		0		0	
19	4/2/2013 13:16	0		0		0	
20	4/2/2013 13:31	0		0		0	
21	4/2/2013 13:46	0		0		0	
22	4/2/2013 14:01	0		0		0	
23	4/2/2013 14:16	0		0		0	
24	4/2/2013 14:31	0		0		0	
25	4/2/2013 14:46	0		0		0	
26	4/2/2013 15:01	0		0		0	
27	4/2/2013 15:16	0		0		0	
28	4/2/2013 15:31	0		0		0.4	
29	4/2/2013 15:46	0		0		0.5	
30	4/2/2013 16:01	0		0		0	
31	4/2/2013 16:16	0		0		0	
32	4/2/2013 16:31	0		0		0	
33	4/2/2013 16:46	0		0		0	
34	4/2/2013 17:01	0		0		0.2	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 009399

User ID: 00000001 Site ID: 00000005

Data Points: 11 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 04/01/2013 09:38

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/3/2013	8:32	0		0		0	
2	4/3/2013	8:47	0		0		0	
3	4/3/2013	9:02	0		0		0	
4	4/3/2013	9:17	0		0		0	
5	4/3/2013	9:32	0		0		0	
6	4/3/2013	9:47	0		0		0	
7	4/3/2013	10:02	0		0		0	
8	4/3/2013	10:17	0		0		0	
9	4/3/2013	10:32	0		0		0	
10	4/3/2013	10:47	0		0		0	
11	4/3/2013	11:02	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 009399

User ID: 00000001 Site ID: 00000007

Data Points: 33 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 04/01/2013 09:38

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/4/2013 7:54	0		0		0	
2	4/4/2013 8:09	0		0		0	
3	4/4/2013 8:24	0		0		0	
4	4/4/2013 8:39	0		0		0	
5	4/4/2013 8:54	0		0		0	
6	4/4/2013 9:09	0		0		0	
7	4/4/2013 9:24	0		0		0	
8	4/4/2013 9:39	0		0		0	
9	4/4/2013 9:54	0		0		0	
10	4/4/2013 10:09	0		0		0	
11	4/4/2013 10:24	0		0		0	
12	4/4/2013 10:39	0		0		0	
13	4/4/2013 10:54	0		0		0	
14	4/4/2013 11:09	0		0		0	
15	4/4/2013 11:24	0		0		0	
16	4/4/2013 11:39	0		0		0	
17	4/4/2013 11:54	0		0		0	
18	4/4/2013 12:09	0		0		0	
19	4/4/2013 12:24	0		0		0	
20	4/4/2013 12:39	0		0		0	
21	4/4/2013 12:54	0		0		0	
22	4/4/2013 13:09	0		0		0	
23	4/4/2013 13:24	0		0		0	
24	4/4/2013 13:39	0		0		0	
25	4/4/2013 13:54	0		0		0	
26	4/4/2013 14:09	0		0		0	
27	4/4/2013 14:24	0		0		0	
28	4/4/2013 14:39	0		0		0	
29	4/4/2013 14:54	0		0		0	
30	4/4/2013 15:09	0		0		0	
31	4/4/2013 15:24	0		0		0	
32	4/4/2013 15:39	0		0		0.1	
33	4/4/2013 15:54	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 009399

User ID: 00000001 Site ID: 00000008

Data Points: 26 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 04/01/2013 09:38

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/5/2013 7:49	0		0		0	
2	4/5/2013 8:04	0		0		0	
3	4/5/2013 8:19	0		0		0	
4	4/5/2013 8:34	0		0		0	
5	4/5/2013 8:49	0		0		0	
6	4/5/2013 9:04	0		0		0	
7	4/5/2013 9:19	0		0		0	
8	4/5/2013 9:34	0		0		0	
9	4/5/2013 9:49	0		0		0	
10	4/5/2013 10:04	0		0		0	
11	4/5/2013 10:19	0		0		0	
12	4/5/2013 10:34	0		0		0	
13	4/5/2013 10:49	0		0		0	
14	4/5/2013 11:04	0		0		0	
15	4/5/2013 11:19	0		0		0	
16	4/5/2013 11:34	0		0		0	
17	4/5/2013 11:49	0		0		0	
18	4/5/2013 12:04	0		0		0	
19	4/5/2013 12:19	0		0		0	
20	4/5/2013 12:34	0		0		0	
21	4/5/2013 12:49	0		0		0	
22	4/5/2013 13:04	0		0		0	
23	4/5/2013 13:19	0		0		0	
24	4/5/2013 13:34	0		0		0	
25	4/5/2013 13:49	0		0		0	
26	4/5/2013 14:04	0		0		0	

13/04/15 11:51

Summary

Unit Name	MiniRAE 3000
Unit SN	592-909735
Unit Firmware Ver	V1.20
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Manual
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2013/04/15 11:51:51
End	2013/04/15 16:25:12
Sample Period(s)	60
Number of Records	273
Sensor	VOC(ppm)
Span	100.000
Span 2	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2013/04/15 09:53
Peak	0.085
Min	0.000
Average	0.009

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/15 11:52:51	0.078	0.086	0.075
002	2013/04/15 11:53:51	0.073	0.078	0.074
003	2013/04/15 11:54:51	0.072	0.075	0.075
004	2013/04/15 11:55:51	0.075	0.077	0.075
005	2013/04/15 11:56:51	0.078	0.081	0.081
006	2013/04/15 11:57:51	0.081	0.083	0.082
007	2013/04/15 11:58:51	0.083	0.085	0.085
008	2013/04/15 11:59:51	0.082	0.085	0.081
009	2013/04/15 12:00:51	0.081	0.084	0.080
010	2013/04/15 12:01:51	0.080	0.082	0.079
011	2013/04/15 12:02:51	0.076	0.079	0.073
012	2013/04/15 12:03:51	0.074	0.077	0.071
013	2013/04/15 12:04:51	0.070	0.075	0.069
014	2013/04/15 12:05:51	0.070	0.073	0.071
015	2013/04/15 12:06:51	0.068	0.072	0.068
016	2013/04/15 12:07:51	0.065	0.068	0.066
017	2013/04/15 12:08:51	0.063	0.065	0.063
018	2013/04/15 12:09:51	0.059	0.063	0.056
019	2013/04/15 12:10:51	0.054	0.057	0.054
020	2013/04/15 12:11:51	0.051	0.053	0.048
021	2013/04/15 12:12:51	0.046	0.048	0.044

022	2013/04/15	12:13:51	0.042	0.044	0.042
023	2013/04/15	12:14:51	0.038	0.042	0.037
024	2013/04/15	12:15:51	0.034	0.037	0.034
025	2013/04/15	12:16:51	0.038	0.065	0.029
026	2013/04/15	12:17:51	0.029	0.044	0.024
027	2013/04/15	12:18:51	0.035	0.056	0.026
028	2013/04/15	12:19:51	0.023	0.035	0.035
029	2013/04/15	12:20:51	0.025	0.040	0.022
030	2013/04/15	12:21:51	0.019	0.024	0.019
031	2013/04/15	12:22:51	0.021	0.041	0.018
032	2013/04/15	12:23:51	0.016	0.020	0.015
033	2013/04/15	12:24:51	0.012	0.014	0.012
034	2013/04/15	12:25:51	0.012	0.025	0.007
035	2013/04/15	12:26:51	0.006	0.012	0.005
036	2013/04/15	12:27:51	0.007	0.018	0.018
037	2013/04/15	12:28:51	0.010	0.023	0.005
038	2013/04/15	12:29:51	0.004	0.014	0.014
039	2013/04/15	12:30:51	0.005	0.024	0.000
040	2013/04/15	12:31:51	0.000	0.008	0.008
041	2013/04/15	12:32:51	0.005	0.028	0.003
042	2013/04/15	12:33:51	0.000	0.002	0.000
043	2013/04/15	12:34:51	0.000	0.003	0.000
044	2013/04/15	12:35:51	0.000	0.009	0.009
045	2013/04/15	12:36:51	0.002	0.015	0.000
046	2013/04/15	12:37:51	0.000	0.000	0.000
047	2013/04/15	12:38:51	0.002	0.027	0.000
048	2013/04/15	12:39:51	0.003	0.025	0.000
049	2013/04/15	12:40:51	0.000	0.000	0.000
050	2013/04/15	12:41:51	0.000	0.001	0.000
051	2013/04/15	12:42:51	0.002	0.026	0.000
052	2013/04/15	12:43:51	0.006	0.031	0.002
053	2013/04/15	12:44:51	0.000	0.013	0.000
054	2013/04/15	12:45:51	0.000	0.004	0.000
055	2013/04/15	12:46:51	0.000	0.008	0.001
056	2013/04/15	12:47:51	0.000	0.000	0.000
057	2013/04/15	12:48:51	0.001	0.014	0.000
058	2013/04/15	12:49:51	0.000	0.000	0.000
059	2013/04/15	12:50:51	0.001	0.013	0.000
060	2013/04/15	12:51:51	0.003	0.029	0.009
061	2013/04/15	12:52:51	0.002	0.012	0.000
062	2013/04/15	12:53:51	0.000	0.005	0.000
063	2013/04/15	12:54:51	0.000	0.000	0.000
064	2013/04/15	12:55:51	0.000	0.000	0.000
065	2013/04/15	12:56:51	0.000	0.000	0.000
066	2013/04/15	12:57:51	0.000	0.014	0.000
067	2013/04/15	12:58:51	0.002	0.016	0.004
068	2013/04/15	12:59:51	0.001	0.013	0.000
069	2013/04/15	13:00:51	0.004	0.041	0.000
070	2013/04/15	13:01:51	0.000	0.008	0.000
071	2013/04/15	13:02:51	0.000	0.000	0.000
072	2013/04/15	13:03:51	0.000	0.000	0.000
073	2013/04/15	13:04:51	0.004	0.050	0.009
074	2013/04/15	13:05:51	0.000	0.007	0.000
075	2013/04/15	13:06:51	0.000	0.004	0.000
076	2013/04/15	13:07:51	0.000	0.000	0.000
077	2013/04/15	13:08:51	0.000	0.011	0.000
078	2013/04/15	13:09:51	0.000	0.004	0.000
079	2013/04/15	13:10:51	0.000	0.000	0.000
080	2013/04/15	13:11:51	0.000	0.000	0.000
081	2013/04/15	13:12:51	0.000	0.009	0.000
082	2013/04/15	13:13:51	0.000	0.008	0.000
083	2013/04/15	13:14:51	0.000	0.002	0.000
084	2013/04/15	13:15:51	0.000	0.001	0.000

085	2013/04/15	13:16:51	0.003	0.019	0.000
086	2013/04/15	13:17:51	0.000	0.000	0.000
087	2013/04/15	13:18:51	0.000	0.000	0.000
088	2013/04/15	13:19:51	0.000	0.000	0.000
089	2013/04/15	13:20:51	0.001	0.013	0.013
090	2013/04/15	13:21:51	0.004	0.022	0.000
091	2013/04/15	13:22:51	0.000	0.001	0.000
092	2013/04/15	13:23:51	0.001	0.013	0.000
093	2013/04/15	13:24:51	0.000	0.000	0.000
094	2013/04/15	13:25:51	0.002	0.032	0.000
095	2013/04/15	13:26:51	0.001	0.017	0.000
096	2013/04/15	13:27:51	0.000	0.000	0.000
097	2013/04/15	13:28:51	0.002	0.012	0.000
098	2013/04/15	13:29:51	0.000	0.000	0.000
099	2013/04/15	13:30:51	0.000	0.000	0.000
100	2013/04/15	13:31:51	0.003	0.020	0.000
101	2013/04/15	13:32:51	0.000	0.005	0.000
102	2013/04/15	13:33:51	0.000	0.000	0.000
103	2013/04/15	13:34:51	0.000	0.003	0.001
104	2013/04/15	13:35:51	0.000	0.001	0.000
105	2013/04/15	13:36:51	0.000	0.006	0.000
106	2013/04/15	13:37:51	0.000	0.001	0.001
107	2013/04/15	13:38:51	0.000	0.012	0.000
108	2013/04/15	13:39:51	0.000	0.000	0.000
109	2013/04/15	13:40:51	0.001	0.005	0.000
110	2013/04/15	13:41:51	0.005	0.014	0.003
111	2013/04/15	13:42:51	0.005	0.015	0.002
112	2013/04/15	13:43:51	0.002	0.005	0.002
113	2013/04/15	13:44:51	0.007	0.049	0.002
114	2013/04/15	13:45:51	0.004	0.023	0.005
115	2013/04/15	13:46:51	0.007	0.018	0.004
116	2013/04/15	13:47:51	0.006	0.012	0.005
117	2013/04/15	13:48:51	0.006	0.009	0.008
118	2013/04/15	13:49:51	0.013	0.101	0.033
119	2013/04/15	13:50:51	0.005	0.013	0.007
120	2013/04/15	13:51:51	0.008	0.026	0.022
121	2013/04/15	13:52:51	0.011	0.020	0.010
122	2013/04/15	13:53:51	0.011	0.022	0.015
123	2013/04/15	13:54:51	0.011	0.018	0.010
124	2013/04/15	13:55:51	0.015	0.034	0.032
125	2013/04/15	13:56:51	0.003	0.028	0.003
126	2013/04/15	13:57:51	0.006	0.031	0.008
127	2013/04/15	13:58:51	0.008	0.010	0.006
128	2013/04/15	13:59:51	0.007	0.011	0.008
129	2013/04/15	14:00:51	0.008	0.021	0.004
130	2013/04/15	14:01:51	0.004	0.006	0.006
131	2013/04/15	14:02:51	0.008	0.023	0.007
132	2013/04/15	14:03:51	0.007	0.011	0.007
133	2013/04/15	14:04:51	0.009	0.022	0.010
134	2013/04/15	14:05:51	0.011	0.018	0.014
135	2013/04/15	14:06:51	0.012	0.055	0.010
136	2013/04/15	14:07:51	0.012	0.023	0.011
137	2013/04/15	14:08:51	0.014	0.019	0.012
138	2013/04/15	14:09:51	0.009	0.014	0.008
139	2013/04/15	14:10:51	0.010	0.014	0.012
140	2013/04/15	14:11:51	0.010	0.011	0.009
141	2013/04/15	14:12:51	0.014	0.021	0.014
142	2013/04/15	14:13:51	0.013	0.021	0.009
143	2013/04/15	14:14:51	0.007	0.009	0.008
144	2013/04/15	14:15:51	0.011	0.018	0.010
145	2013/04/15	14:16:51	0.011	0.016	0.011
146	2013/04/15	14:17:51	0.011	0.013	0.012
147	2013/04/15	14:18:51	0.011	0.014	0.012

148	2013/04/15 14:19:51	0.019	0.041	0.020
149	2013/04/15 14:20:51	0.013	0.021	0.011
150	2013/04/15 14:21:51	0.010	0.012	0.010
151	2013/04/15 14:22:51	0.011	0.012	0.011
152	2013/04/15 14:23:51	0.012	0.020	0.011
153	2013/04/15 14:24:51	0.016	0.035	0.012
154	2013/04/15 14:25:51	0.010	0.012	0.010
155	2013/04/15 14:26:51	0.012	0.028	0.009
156	2013/04/15 14:27:51	0.006	0.009	0.005
157	2013/04/15 14:28:51	0.005	0.008	0.005
158	2013/04/15 14:29:51	0.004	0.006	0.004
159	2013/04/15 14:30:51	0.007	0.014	0.005
160	2013/04/15 14:31:51	0.007	0.012	0.006
161	2013/04/15 14:32:51	0.003	0.006	0.004
162	2013/04/15 14:33:51	0.006	0.016	0.013
163	2013/04/15 14:34:51	0.006	0.014	0.004
164	2013/04/15 14:35:51	0.002	0.004	0.001
165	2013/04/15 14:36:51	0.000	0.001	0.000
166	2013/04/15 14:37:51	0.000	0.000	0.000
167	2013/04/15 14:38:51	0.000	0.000	0.000
168	2013/04/15 14:39:51	0.000	0.000	0.000
169	2013/04/15 14:40:51	0.000	0.005	0.000
170	2013/04/15 14:41:51	0.000	0.000	0.000
171	2013/04/15 14:42:51	0.000	0.000	0.000
172	2013/04/15 14:43:51	0.002	0.025	0.000
173	2013/04/15 14:44:51	0.000	0.003	0.000
174	2013/04/15 14:45:51	0.000	0.003	0.000
175	2013/04/15 14:46:51	0.001	0.018	0.000
176	2013/04/15 14:47:51	0.000	0.000	0.000
177	2013/04/15 14:48:51	0.000	0.000	0.000
178	2013/04/15 14:49:51	0.000	0.005	0.000
179	2013/04/15 14:50:51	0.000	0.001	0.000
180	2013/04/15 14:51:51	0.000	0.000	0.000
181	2013/04/15 14:52:51	0.000	0.000	0.000
182	2013/04/15 14:53:51	0.000	0.003	0.000
183	2013/04/15 14:54:51	0.000	0.000	0.000
184	2013/04/15 14:55:51	0.000	0.000	0.000
185	2013/04/15 14:56:51	0.000	0.000	0.000
186	2013/04/15 14:57:51	0.000	0.000	0.000
187	2013/04/15 14:58:51	0.000	0.000	0.000
188	2013/04/15 14:59:51	0.000	0.000	0.000
189	2013/04/15 15:00:51	0.000	0.000	0.000
190	2013/04/15 15:01:51	0.000	0.000	0.000
191	2013/04/15 15:02:51	0.002	0.032	0.000
192	2013/04/15 15:03:51	0.000	0.000	0.000
193	2013/04/15 15:04:51	0.000	0.000	0.000
194	2013/04/15 15:05:51	0.000	0.000	0.000
195	2013/04/15 15:06:51	0.000	0.000	0.000
196	2013/04/15 15:07:51	0.000	0.000	0.000
197	2013/04/15 15:08:51	0.000	0.000	0.000
198	2013/04/15 15:09:51	0.000	0.000	0.000
199	2013/04/15 15:10:51	0.000	0.000	0.000
200	2013/04/15 15:11:51	0.000	0.000	0.000
201	2013/04/15 15:12:51	0.000	0.000	0.000
202	2013/04/15 15:13:51	0.000	0.000	0.000
203	2013/04/15 15:14:51	0.000	0.000	0.000
204	2013/04/15 15:15:51	0.000	0.000	0.000
205	2013/04/15 15:16:51	0.000	0.000	0.000
206	2013/04/15 15:17:51	0.000	0.000	0.000
207	2013/04/15 15:18:51	0.000	0.000	0.000
208	2013/04/15 15:19:51	0.000	0.000	0.000
209	2013/04/15 15:20:51	0.000	0.000	0.000
210	2013/04/15 15:21:51	0.000	0.000	0.000

211	2013/04/15 15:22:51	0.000	0.000	0.000
212	2013/04/15 15:23:51	0.000	0.000	0.000
213	2013/04/15 15:24:51	0.000	0.000	0.000
214	2013/04/15 15:25:51	0.000	0.000	0.000
215	2013/04/15 15:26:51	0.000	0.000	0.000
216	2013/04/15 15:27:51	0.000	0.000	0.000
217	2013/04/15 15:28:51	0.000	0.000	0.000
218	2013/04/15 15:29:51	0.000	0.000	0.000
219	2013/04/15 15:30:51	0.000	0.000	0.000
220	2013/04/15 15:31:51	0.000	0.000	0.000
221	2013/04/15 15:32:51	0.000	0.000	0.000
222	2013/04/15 15:33:51	0.000	0.000	0.000
223	2013/04/15 15:34:51	0.000	0.000	0.000
224	2013/04/15 15:35:51	0.000	0.000	0.000
225	2013/04/15 15:36:51	0.000	0.000	0.000
226	2013/04/15 15:37:51	0.000	0.000	0.000
227	2013/04/15 15:38:51	0.000	0.000	0.000
228	2013/04/15 15:39:51	0.000	0.000	0.000
229	2013/04/15 15:40:51	0.000	0.000	0.000
230	2013/04/15 15:41:51	0.000	0.000	0.000
231	2013/04/15 15:42:51	0.000	0.000	0.000
232	2013/04/15 15:43:51	0.000	0.000	0.000
233	2013/04/15 15:44:51	0.000	0.000	0.000
234	2013/04/15 15:45:51	0.000	0.000	0.000
235	2013/04/15 15:46:51	0.000	0.000	0.000
236	2013/04/15 15:47:51	0.000	0.000	0.000
237	2013/04/15 15:48:51	0.000	0.000	0.000
238	2013/04/15 15:49:51	0.000	0.000	0.000
239	2013/04/15 15:50:51	0.000	0.000	0.000
240	2013/04/15 15:51:51	0.000	0.000	0.000
241	2013/04/15 15:52:51	0.000	0.000	0.000
242	2013/04/15 15:53:51	0.000	0.000	0.000
243	2013/04/15 15:54:51	0.000	0.000	0.000
244	2013/04/15 15:55:51	0.000	0.000	0.000
245	2013/04/15 15:56:51	0.000	0.000	0.000
246	2013/04/15 15:57:51	0.000	0.000	0.000
247	2013/04/15 15:58:51	0.000	0.000	0.000
248	2013/04/15 15:59:51	0.000	0.001	0.000
249	2013/04/15 16:00:51	0.000	0.000	0.000
250	2013/04/15 16:01:51	0.000	0.000	0.000
251	2013/04/15 16:02:51	0.000	0.000	0.000
252	2013/04/15 16:03:51	0.000	0.000	0.000
253	2013/04/15 16:04:51	0.000	0.009	0.000
254	2013/04/15 16:05:51	0.000	0.000	0.000
255	2013/04/15 16:06:51	0.000	0.000	0.000
256	2013/04/15 16:07:51	0.000	0.000	0.000
257	2013/04/15 16:08:51	0.000	0.000	0.000
258	2013/04/15 16:09:51	0.000	0.000	0.000
259	2013/04/15 16:10:51	0.000	0.000	0.000
260	2013/04/15 16:11:51	0.000	0.000	0.000
261	2013/04/15 16:12:51	0.000	0.000	0.000
262	2013/04/15 16:13:51	0.000	0.000	0.000
263	2013/04/15 16:14:51	0.000	0.000	0.000
264	2013/04/15 16:15:51	0.000	0.001	0.000
265	2013/04/15 16:16:51	0.000	0.000	0.000
266	2013/04/15 16:17:51	0.000	0.000	0.000
267	2013/04/15 16:18:51	0.000	0.000	0.000
268	2013/04/15 16:19:51	0.000	0.000	0.000
269	2013/04/15 16:20:51	0.000	0.005	0.000
270	2013/04/15 16:21:51	0.000	0.000	0.000
271	2013/04/15 16:22:51	0.000	0.000	0.000
272	2013/04/15 16:23:51	0.000	0.000	0.000
273	2013/04/15 16:24:51	0.000	0.000	0.000

Peak	0.083	0.101	0.085
Min	0.000	0.000	0.000
Average	0.009	0.014	0.009

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/15 11:52:51	0.000	---
002	2013/04/15 11:53:51	0.000	---
003	2013/04/15 11:54:51	0.000	---
004	2013/04/15 11:55:51	0.001	---
005	2013/04/15 11:56:51	0.001	---
006	2013/04/15 11:57:51	0.001	---
007	2013/04/15 11:58:51	0.001	---
008	2013/04/15 11:59:51	0.001	---
009	2013/04/15 12:00:51	0.001	---
010	2013/04/15 12:01:51	0.002	---
011	2013/04/15 12:02:51	0.002	---
012	2013/04/15 12:03:51	0.002	---
013	2013/04/15 12:04:51	0.002	---
014	2013/04/15 12:05:51	0.002	---
015	2013/04/15 12:06:51	0.002	0.076
016	2013/04/15 12:07:51	0.003	0.075
017	2013/04/15 12:08:51	0.003	0.075
018	2013/04/15 12:09:51	0.003	0.073
019	2013/04/15 12:10:51	0.003	0.072
020	2013/04/15 12:11:51	0.003	0.070
021	2013/04/15 12:12:51	0.003	0.067
022	2013/04/15 12:13:51	0.003	0.064
023	2013/04/15 12:14:51	0.003	0.061
024	2013/04/15 12:15:51	0.003	0.058
025	2013/04/15 12:16:51	0.003	0.055
026	2013/04/15 12:17:51	0.003	0.052
027	2013/04/15 12:18:51	0.003	0.049
028	2013/04/15 12:19:51	0.004	0.046
029	2013/04/15 12:20:51	0.004	0.043
030	2013/04/15 12:21:51	0.004	0.040
031	2013/04/15 12:22:51	0.004	0.037
032	2013/04/15 12:23:51	0.004	0.034
033	2013/04/15 12:24:51	0.004	0.031
034	2013/04/15 12:25:51	0.004	0.027
035	2013/04/15 12:26:51	0.004	0.025
036	2013/04/15 12:27:51	0.004	0.023
037	2013/04/15 12:28:51	0.004	0.020
038	2013/04/15 12:29:51	0.004	0.019
039	2013/04/15 12:30:51	0.004	0.017
040	2013/04/15 12:31:51	0.004	0.015
041	2013/04/15 12:32:51	0.004	0.014
042	2013/04/15 12:33:51	0.004	0.012
043	2013/04/15 12:34:51	0.004	0.010
044	2013/04/15 12:35:51	0.004	0.009
045	2013/04/15 12:36:51	0.004	0.008
046	2013/04/15 12:37:51	0.004	0.006
047	2013/04/15 12:38:51	0.004	0.005
048	2013/04/15 12:39:51	0.004	0.005
049	2013/04/15 12:40:51	0.004	0.004
050	2013/04/15 12:41:51	0.004	0.004
051	2013/04/15 12:42:51	0.004	0.003
052	2013/04/15 12:43:51	0.004	0.002
053	2013/04/15 12:44:51	0.004	0.001
054	2013/04/15 12:45:51	0.004	0.001
055	2013/04/15 12:46:51	0.004	0.001

056	2013/04/15 12:47:51	0.004	0.001
057	2013/04/15 12:48:51	0.004	0.001
058	2013/04/15 12:49:51	0.004	0.001
059	2013/04/15 12:50:51	0.004	0.000
060	2013/04/15 12:51:51	0.004	0.001
061	2013/04/15 12:52:51	0.004	0.001
062	2013/04/15 12:53:51	0.004	0.001
063	2013/04/15 12:54:51	0.004	0.001
064	2013/04/15 12:55:51	0.004	0.001
065	2013/04/15 12:56:51	0.004	0.001
066	2013/04/15 12:57:51	0.004	0.001
067	2013/04/15 12:58:51	0.004	0.001
068	2013/04/15 12:59:51	0.004	0.001
069	2013/04/15 13:00:51	0.004	0.001
070	2013/04/15 13:01:51	0.004	0.001
071	2013/04/15 13:02:51	0.004	0.001
072	2013/04/15 13:03:51	0.004	0.001
073	2013/04/15 13:04:51	0.004	0.001
074	2013/04/15 13:05:51	0.004	0.001
075	2013/04/15 13:06:51	0.004	0.001
076	2013/04/15 13:07:51	0.004	0.001
077	2013/04/15 13:08:51	0.004	0.001
078	2013/04/15 13:09:51	0.004	0.001
079	2013/04/15 13:10:51	0.004	0.001
080	2013/04/15 13:11:51	0.004	0.001
081	2013/04/15 13:12:51	0.004	0.001
082	2013/04/15 13:13:51	0.004	0.001
083	2013/04/15 13:14:51	0.004	0.001
084	2013/04/15 13:15:51	0.004	0.001
085	2013/04/15 13:16:51	0.004	0.001
086	2013/04/15 13:17:51	0.004	0.001
087	2013/04/15 13:18:51	0.004	0.001
088	2013/04/15 13:19:51	0.004	0.000
089	2013/04/15 13:20:51	0.004	0.001
090	2013/04/15 13:21:51	0.004	0.001
091	2013/04/15 13:22:51	0.004	0.001
092	2013/04/15 13:23:51	0.004	0.001
093	2013/04/15 13:24:51	0.004	0.001
094	2013/04/15 13:25:51	0.004	0.001
095	2013/04/15 13:26:51	0.004	0.001
096	2013/04/15 13:27:51	0.004	0.001
097	2013/04/15 13:28:51	0.004	0.001
098	2013/04/15 13:29:51	0.004	0.001
099	2013/04/15 13:30:51	0.004	0.001
100	2013/04/15 13:31:51	0.004	0.001
101	2013/04/15 13:32:51	0.004	0.001
102	2013/04/15 13:33:51	0.004	0.001
103	2013/04/15 13:34:51	0.004	0.001
104	2013/04/15 13:35:51	0.004	0.000
105	2013/04/15 13:36:51	0.004	0.000
106	2013/04/15 13:37:51	0.004	0.000
107	2013/04/15 13:38:51	0.004	0.000
108	2013/04/15 13:39:51	0.004	0.000
109	2013/04/15 13:40:51	0.004	0.000
110	2013/04/15 13:41:51	0.004	0.000
111	2013/04/15 13:42:51	0.004	0.000
112	2013/04/15 13:43:51	0.004	0.001
113	2013/04/15 13:44:51	0.004	0.001
114	2013/04/15 13:45:51	0.004	0.001
115	2013/04/15 13:46:51	0.004	0.001
116	2013/04/15 13:47:51	0.004	0.002
117	2013/04/15 13:48:51	0.004	0.002
118	2013/04/15 13:49:51	0.004	0.004

119	2013/04/15 13:50:51	0.004	0.005
120	2013/04/15 13:51:51	0.004	0.006
121	2013/04/15 13:52:51	0.004	0.007
122	2013/04/15 13:53:51	0.004	0.008
123	2013/04/15 13:54:51	0.004	0.009
124	2013/04/15 13:55:51	0.004	0.011
125	2013/04/15 13:56:51	0.004	0.011
126	2013/04/15 13:57:51	0.004	0.011
127	2013/04/15 13:58:51	0.004	0.011
128	2013/04/15 13:59:51	0.004	0.012
129	2013/04/15 14:00:51	0.004	0.012
130	2013/04/15 14:01:51	0.004	0.012
131	2013/04/15 14:02:51	0.004	0.012
132	2013/04/15 14:03:51	0.004	0.012
133	2013/04/15 14:04:51	0.004	0.010
134	2013/04/15 14:05:51	0.004	0.011
135	2013/04/15 14:06:51	0.004	0.010
136	2013/04/15 14:07:51	0.004	0.010
137	2013/04/15 14:08:51	0.004	0.010
138	2013/04/15 14:09:51	0.005	0.010
139	2013/04/15 14:10:51	0.005	0.008
140	2013/04/15 14:11:51	0.005	0.009
141	2013/04/15 14:12:51	0.005	0.009
142	2013/04/15 14:13:51	0.005	0.009
143	2013/04/15 14:14:51	0.005	0.009
144	2013/04/15 14:15:51	0.005	0.010
145	2013/04/15 14:16:51	0.005	0.010
146	2013/04/15 14:17:51	0.005	0.010
147	2013/04/15 14:18:51	0.005	0.011
148	2013/04/15 14:19:51	0.005	0.011
149	2013/04/15 14:20:51	0.005	0.011
150	2013/04/15 14:21:51	0.005	0.011
151	2013/04/15 14:22:51	0.005	0.011
152	2013/04/15 14:23:51	0.005	0.011
153	2013/04/15 14:24:51	0.005	0.011
154	2013/04/15 14:25:51	0.005	0.011
155	2013/04/15 14:26:51	0.005	0.011
156	2013/04/15 14:27:51	0.005	0.011
157	2013/04/15 14:28:51	0.005	0.010
158	2013/04/15 14:29:51	0.005	0.010
159	2013/04/15 14:30:51	0.005	0.010
160	2013/04/15 14:31:51	0.005	0.010
161	2013/04/15 14:32:51	0.005	0.009
162	2013/04/15 14:33:51	0.005	0.009
163	2013/04/15 14:34:51	0.005	0.008
164	2013/04/15 14:35:51	0.005	0.007
165	2013/04/15 14:36:51	0.005	0.007
166	2013/04/15 14:37:51	0.005	0.006
167	2013/04/15 14:38:51	0.005	0.005
168	2013/04/15 14:39:51	0.005	0.004
169	2013/04/15 14:40:51	0.005	0.004
170	2013/04/15 14:41:51	0.005	0.003
171	2013/04/15 14:42:51	0.005	0.003
172	2013/04/15 14:43:51	0.005	0.002
173	2013/04/15 14:44:51	0.005	0.002
174	2013/04/15 14:45:51	0.005	0.002
175	2013/04/15 14:46:51	0.005	0.001
176	2013/04/15 14:47:51	0.005	0.001
177	2013/04/15 14:48:51	0.005	0.000
178	2013/04/15 14:49:51	0.005	0.000
179	2013/04/15 14:50:51	0.005	0.000
180	2013/04/15 14:51:51	0.005	0.000
181	2013/04/15 14:52:51	0.005	0.000

182	2013/04/15 14:53:51	0.005	0.000
183	2013/04/15 14:54:51	0.005	0.000
184	2013/04/15 14:55:51	0.005	0.000
185	2013/04/15 14:56:51	0.005	0.000
186	2013/04/15 14:57:51	0.005	0.000
187	2013/04/15 14:58:51	0.005	0.000
188	2013/04/15 14:59:51	0.005	0.000
189	2013/04/15 15:00:51	0.005	0.000
190	2013/04/15 15:01:51	0.005	0.000
191	2013/04/15 15:02:51	0.005	0.000
192	2013/04/15 15:03:51	0.005	0.000
193	2013/04/15 15:04:51	0.005	0.000
194	2013/04/15 15:05:51	0.005	0.000
195	2013/04/15 15:06:51	0.005	0.000
196	2013/04/15 15:07:51	0.005	0.000
197	2013/04/15 15:08:51	0.005	0.000
198	2013/04/15 15:09:51	0.005	0.000
199	2013/04/15 15:10:51	0.005	0.000
200	2013/04/15 15:11:51	0.005	0.000
201	2013/04/15 15:12:51	0.005	0.000
202	2013/04/15 15:13:51	0.005	0.000
203	2013/04/15 15:14:51	0.005	0.000
204	2013/04/15 15:15:51	0.005	0.000
205	2013/04/15 15:16:51	0.005	0.000
206	2013/04/15 15:17:51	0.005	0.000
207	2013/04/15 15:18:51	0.005	0.000
208	2013/04/15 15:19:51	0.005	0.000
209	2013/04/15 15:20:51	0.005	0.000
210	2013/04/15 15:21:51	0.005	0.000
211	2013/04/15 15:22:51	0.005	0.000
212	2013/04/15 15:23:51	0.005	0.000
213	2013/04/15 15:24:51	0.005	0.000
214	2013/04/15 15:25:51	0.005	0.000
215	2013/04/15 15:26:51	0.005	0.000
216	2013/04/15 15:27:51	0.005	0.000
217	2013/04/15 15:28:51	0.005	0.000
218	2013/04/15 15:29:51	0.005	0.000
219	2013/04/15 15:30:51	0.005	0.000
220	2013/04/15 15:31:51	0.005	0.000
221	2013/04/15 15:32:51	0.005	0.000
222	2013/04/15 15:33:51	0.005	0.000
223	2013/04/15 15:34:51	0.005	0.000
224	2013/04/15 15:35:51	0.005	0.000
225	2013/04/15 15:36:51	0.005	0.000
226	2013/04/15 15:37:51	0.005	0.000
227	2013/04/15 15:38:51	0.005	0.000
228	2013/04/15 15:39:51	0.005	0.000
229	2013/04/15 15:40:51	0.005	0.000
230	2013/04/15 15:41:51	0.005	0.000
231	2013/04/15 15:42:51	0.005	0.000
232	2013/04/15 15:43:51	0.005	0.000
233	2013/04/15 15:44:51	0.005	0.000
234	2013/04/15 15:45:51	0.005	0.000
235	2013/04/15 15:46:51	0.005	0.000
236	2013/04/15 15:47:51	0.005	0.000
237	2013/04/15 15:48:51	0.005	0.000
238	2013/04/15 15:49:51	0.005	0.000
239	2013/04/15 15:50:51	0.005	0.000
240	2013/04/15 15:51:51	0.005	0.000
241	2013/04/15 15:52:51	0.005	0.000
242	2013/04/15 15:53:51	0.005	0.000
243	2013/04/15 15:54:51	0.005	0.000
244	2013/04/15 15:55:51	0.005	0.000

245	2013/04/15 15:56:51	0.005	0.000
246	2013/04/15 15:57:51	0.005	0.000
247	2013/04/15 15:58:51	0.005	0.000
248	2013/04/15 15:59:51	0.005	0.000
249	2013/04/15 16:00:51	0.005	0.000
250	2013/04/15 16:01:51	0.005	0.000
251	2013/04/15 16:02:51	0.005	0.000
252	2013/04/15 16:03:51	0.005	0.000
253	2013/04/15 16:04:51	0.005	0.000
254	2013/04/15 16:05:51	0.005	0.000
255	2013/04/15 16:06:51	0.005	0.000
256	2013/04/15 16:07:51	0.005	0.000
257	2013/04/15 16:08:51	0.005	0.000
258	2013/04/15 16:09:51	0.005	0.000
259	2013/04/15 16:10:51	0.005	0.000
260	2013/04/15 16:11:51	0.005	0.000
261	2013/04/15 16:12:51	0.005	0.000
262	2013/04/15 16:13:51	0.005	0.000
263	2013/04/15 16:14:51	0.005	0.000
264	2013/04/15 16:15:51	0.005	0.000
265	2013/04/15 16:16:51	0.005	0.000
266	2013/04/15 16:17:51	0.005	0.000
267	2013/04/15 16:18:51	0.005	0.000
268	2013/04/15 16:19:51	0.005	0.000
269	2013/04/15 16:20:51	0.005	0.000
270	2013/04/15 16:21:51	0.005	0.000
271	2013/04/15 16:22:51	0.005	0.000
272	2013/04/15 16:23:51	0.005	0.000
273	2013/04/15 16:24:51	0.005	0.000

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13/04/16 08:28

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909735
Unit Firmware Ver V1.20

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/16 08:28:56
End 2013/04/16 13:34:16
Sample Period(s) 60
Number of Records 305

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/16 08:28

Peak 0.218
Min 0.020
Average 0.066

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/16 08:29:56	0.050	0.074	0.036
002	2013/04/16 08:30:56	0.032	0.036	0.026
003	2013/04/16 08:31:56	0.023	0.027	0.021
004	2013/04/16 08:32:56	0.020	0.022	0.020
005	2013/04/16 08:33:56	0.020	0.022	0.021
006	2013/04/16 08:34:56	0.022	0.024	0.024
007	2013/04/16 08:35:56	0.023	0.025	0.024
008	2013/04/16 08:36:56	0.024	0.026	0.024
009	2013/04/16 08:37:56	0.027	0.031	0.030
010	2013/04/16 08:38:56	0.029	0.031	0.030
011	2013/04/16 08:39:56	0.031	0.033	0.032
012	2013/04/16 08:40:56	0.033	0.036	0.036
013	2013/04/16 08:41:56	0.035	0.036	0.035
014	2013/04/16 08:42:56	0.039	0.068	0.038
015	2013/04/16 08:43:56	0.039	0.042	0.042
016	2013/04/16 08:44:56	0.045	0.048	0.048
017	2013/04/16 08:45:56	0.095	0.226	0.059
018	2013/04/16 08:46:56	0.058	0.062	0.052
019	2013/04/16 08:47:56	0.051	0.053	0.052
020	2013/04/16 08:48:56	0.053	0.058	0.058
021	2013/04/16 08:49:56	0.060	0.067	0.055
022	2013/04/16 08:50:56	0.055	0.057	0.055
023	2013/04/16 08:51:56	0.057	0.063	0.059
024	2013/04/16 08:52:56	0.055	0.058	0.055
025	2013/04/16 08:53:56	0.057	0.064	0.064
026	2013/04/16 08:54:56	0.064	0.085	0.057
027	2013/04/16 08:55:56	0.058	0.063	0.060
028	2013/04/16 08:56:56	0.059	0.060	0.058
029	2013/04/16 08:57:56	0.059	0.063	0.061
030	2013/04/16 08:58:56	0.060	0.065	0.058
031	2013/04/16 08:59:56	0.059	0.061	0.061
032	2013/04/16 09:00:56	0.059	0.062	0.060
033	2013/04/16 09:01:56	0.060	0.062	0.061
034	2013/04/16 09:02:56	0.061	0.070	0.061
035	2013/04/16 09:03:56	0.060	0.064	0.060
036	2013/04/16 09:04:56	0.060	0.061	0.061
037	2013/04/16 09:05:56	0.061	0.064	0.061
038	2013/04/16 09:06:56	0.062	0.072	0.062
039	2013/04/16 09:07:56	0.061	0.063	0.061
040	2013/04/16 09:08:56	0.061	0.062	0.061
041	2013/04/16 09:09:56	0.061	0.062	0.061
042	2013/04/16 09:10:56	0.060	0.061	0.060
043	2013/04/16 09:11:56	0.061	0.062	0.062
044	2013/04/16 09:12:56	0.061	0.062	0.061
045	2013/04/16 09:13:56	0.062	0.067	0.062
046	2013/04/16 09:14:56	0.061	0.062	0.062
047	2013/04/16 09:15:56	0.061	0.062	0.062
048	2013/04/16 09:16:56	0.060	0.062	0.062
049	2013/04/16 09:17:56	0.061	0.062	0.062
050	2013/04/16 09:18:56	0.061	0.070	0.070
051	2013/04/16 09:19:56	0.081	0.209	0.108
052	2013/04/16 09:20:56	0.062	0.098	0.060
053	2013/04/16 09:21:56	0.062	0.085	0.063
054	2013/04/16 09:22:56	0.061	0.063	0.062
055	2013/04/16 09:23:56	0.061	0.062	0.061

056	2013/04/16	09:24:56	0.062	0.065	0.064
057	2013/04/16	09:25:56	0.062	0.064	0.063
058	2013/04/16	09:26:56	0.063	0.080	0.080
059	2013/04/16	09:27:56	0.070	0.116	0.063
060	2013/04/16	09:28:56	0.063	0.064	0.063
061	2013/04/16	09:29:56	0.063	0.064	0.064
062	2013/04/16	09:30:56	0.063	0.064	0.064
063	2013/04/16	09:31:56	0.063	0.065	0.063
064	2013/04/16	09:32:56	0.064	0.065	0.065
065	2013/04/16	09:33:56	0.064	0.065	0.065
066	2013/04/16	09:34:56	0.065	0.066	0.066
067	2013/04/16	09:35:56	0.065	0.067	0.065
068	2013/04/16	09:36:56	0.066	0.068	0.068
069	2013/04/16	09:37:56	0.084	0.146	0.065
070	2013/04/16	09:38:56	0.075	0.203	0.165
071	2013/04/16	09:39:56	0.070	0.116	0.070
072	2013/04/16	09:40:56	0.070	0.096	0.067
073	2013/04/16	09:41:56	0.068	0.070	0.069
074	2013/04/16	09:42:56	0.071	0.086	0.069
075	2013/04/16	09:43:56	0.072	0.108	0.070
076	2013/04/16	09:44:56	0.071	0.075	0.071
077	2013/04/16	09:45:56	0.071	0.072	0.071
078	2013/04/16	09:46:56	0.071	0.073	0.072
079	2013/04/16	09:47:56	0.071	0.072	0.072
080	2013/04/16	09:48:56	0.083	0.220	0.071
081	2013/04/16	09:49:56	0.071	0.072	0.072
082	2013/04/16	09:50:56	0.071	0.074	0.072
083	2013/04/16	09:51:56	0.074	0.101	0.072
084	2013/04/16	09:52:56	0.073	0.091	0.072
085	2013/04/16	09:53:56	0.075	0.117	0.117
086	2013/04/16	09:54:56	0.073	0.102	0.071
087	2013/04/16	09:55:56	0.077	0.130	0.071
088	2013/04/16	09:56:56	0.073	0.095	0.077
089	2013/04/16	09:57:56	0.075	0.097	0.073
090	2013/04/16	09:58:56	0.073	0.074	0.074
091	2013/04/16	09:59:56	0.073	0.074	0.074
092	2013/04/16	10:00:56	0.088	0.207	0.071
093	2013/04/16	10:01:56	0.072	0.074	0.073
094	2013/04/16	10:02:56	0.074	0.090	0.074
095	2013/04/16	10:03:56	0.077	0.110	0.082
096	2013/04/16	10:04:56	0.076	0.099	0.083
097	2013/04/16	10:05:56	0.098	0.245	0.070
098	2013/04/16	10:06:56	0.074	0.101	0.071
099	2013/04/16	10:07:56	0.073	0.075	0.074
100	2013/04/16	10:08:56	0.074	0.076	0.075
101	2013/04/16	10:09:56	0.083	0.131	0.073
102	2013/04/16	10:10:56	0.085	0.128	0.085
103	2013/04/16	10:11:56	0.082	0.163	0.082
104	2013/04/16	10:12:56	0.077	0.115	0.075
105	2013/04/16	10:13:56	0.077	0.097	0.075
106	2013/04/16	10:14:56	0.075	0.076	0.076
107	2013/04/16	10:15:56	0.076	0.077	0.077
108	2013/04/16	10:16:56	0.076	0.077	0.076
109	2013/04/16	10:17:56	0.076	0.077	0.077
110	2013/04/16	10:18:56	0.090	0.182	0.096
111	2013/04/16	10:19:56	0.085	0.155	0.089
112	2013/04/16	10:20:56	0.100	0.178	0.072
113	2013/04/16	10:21:56	0.074	0.078	0.077
114	2013/04/16	10:22:56	0.076	0.077	0.076
115	2013/04/16	10:23:56	0.086	0.149	0.098
116	2013/04/16	10:24:56	0.085	0.106	0.093
117	2013/04/16	10:25:56	0.084	0.152	0.074
118	2013/04/16	10:26:56	0.080	0.148	0.075

119	2013/04/16 10:27:56	0.075	0.077	0.076
120	2013/04/16 10:28:56	0.076	0.077	0.077
121	2013/04/16 10:29:56	0.079	0.109	0.077
122	2013/04/16 10:30:56	0.083	0.148	0.109
123	2013/04/16 10:31:56	0.079	0.105	0.075
124	2013/04/16 10:32:56	0.082	0.175	0.074
125	2013/04/16 10:33:56	0.079	0.138	0.075
126	2013/04/16 10:34:56	0.075	0.097	0.075
127	2013/04/16 10:35:56	0.087	0.138	0.071
128	2013/04/16 10:36:56	0.083	0.138	0.075
129	2013/04/16 10:37:56	0.083	0.218	0.218
130	2013/04/16 10:38:56	0.117	0.215	0.067
131	2013/04/16 10:39:56	0.071	0.086	0.074
132	2013/04/16 10:40:56	0.113	0.174	0.070
133	2013/04/16 10:41:56	0.085	0.138	0.112
134	2013/04/16 10:42:56	0.075	0.103	0.069
135	2013/04/16 10:43:56	0.071	0.086	0.086
136	2013/04/16 10:44:56	0.083	0.120	0.071
137	2013/04/16 10:45:56	0.071	0.073	0.072
138	2013/04/16 10:46:56	0.072	0.073	0.072
139	2013/04/16 10:47:56	0.076	0.101	0.074
140	2013/04/16 10:48:56	0.073	0.075	0.074
141	2013/04/16 10:49:56	0.078	0.141	0.072
142	2013/04/16 10:50:56	0.087	0.177	0.108
143	2013/04/16 10:51:56	0.076	0.118	0.070
144	2013/04/16 10:52:56	0.075	0.109	0.070
145	2013/04/16 10:53:56	0.070	0.072	0.072
146	2013/04/16 10:54:56	0.071	0.073	0.071
147	2013/04/16 10:55:56	0.101	0.287	0.069
148	2013/04/16 10:56:56	0.069	0.071	0.070
149	2013/04/16 10:57:56	0.074	0.094	0.073
150	2013/04/16 10:58:56	0.074	0.106	0.071
151	2013/04/16 10:59:56	0.071	0.072	0.071
152	2013/04/16 11:00:56	0.085	0.153	0.077
153	2013/04/16 11:01:56	0.072	0.095	0.072
154	2013/04/16 11:02:56	0.077	0.110	0.070
155	2013/04/16 11:03:56	0.071	0.075	0.073
156	2013/04/16 11:04:56	0.071	0.073	0.072
157	2013/04/16 11:05:56	0.072	0.073	0.072
158	2013/04/16 11:06:56	0.071	0.073	0.072
159	2013/04/16 11:07:56	0.072	0.073	0.072
160	2013/04/16 11:08:56	0.072	0.073	0.072
161	2013/04/16 11:09:56	0.073	0.085	0.072
162	2013/04/16 11:10:56	0.071	0.072	0.072
163	2013/04/16 11:11:56	0.071	0.072	0.072
164	2013/04/16 11:12:56	0.073	0.100	0.071
165	2013/04/16 11:13:56	0.092	0.194	0.066
166	2013/04/16 11:14:56	0.084	0.266	0.068
167	2013/04/16 11:15:56	0.069	0.071	0.070
168	2013/04/16 11:16:56	0.077	0.103	0.070
169	2013/04/16 11:17:56	0.072	0.091	0.069
170	2013/04/16 11:18:56	0.070	0.071	0.071
171	2013/04/16 11:19:56	0.076	0.095	0.069
172	2013/04/16 11:20:56	0.069	0.071	0.070
173	2013/04/16 11:21:56	0.070	0.071	0.070
174	2013/04/16 11:22:56	0.069	0.071	0.071
175	2013/04/16 11:23:56	0.072	0.075	0.072
176	2013/04/16 11:24:56	0.071	0.072	0.071
177	2013/04/16 11:25:56	0.071	0.074	0.070
178	2013/04/16 11:26:56	0.070	0.071	0.071
179	2013/04/16 11:27:56	0.070	0.077	0.070
180	2013/04/16 11:28:56	0.070	0.071	0.071
181	2013/04/16 11:29:56	0.071	0.075	0.070

182	2013/04/16	11:30:56	0.070	0.071	0.071
183	2013/04/16	11:31:56	0.071	0.071	0.071
184	2013/04/16	11:32:56	0.071	0.072	0.071
185	2013/04/16	11:33:56	0.071	0.072	0.071
186	2013/04/16	11:34:56	0.070	0.071	0.071
187	2013/04/16	11:35:56	0.076	0.094	0.072
188	2013/04/16	11:36:56	0.070	0.072	0.071
189	2013/04/16	11:37:56	0.070	0.071	0.071
190	2013/04/16	11:38:56	0.071	0.072	0.071
191	2013/04/16	11:39:56	0.071	0.072	0.072
192	2013/04/16	11:40:56	0.071	0.072	0.071
193	2013/04/16	11:41:56	0.071	0.072	0.072
194	2013/04/16	11:42:56	0.071	0.072	0.071
195	2013/04/16	11:43:56	0.071	0.074	0.072
196	2013/04/16	11:44:56	0.071	0.072	0.072
197	2013/04/16	11:45:56	0.071	0.072	0.071
198	2013/04/16	11:46:56	0.071	0.072	0.071
199	2013/04/16	11:47:56	0.071	0.074	0.071
200	2013/04/16	11:48:56	0.071	0.072	0.072
201	2013/04/16	11:49:56	0.071	0.072	0.071
202	2013/04/16	11:50:56	0.071	0.072	0.071
203	2013/04/16	11:51:56	0.071	0.072	0.071
204	2013/04/16	11:52:56	0.072	0.079	0.071
205	2013/04/16	11:53:56	0.070	0.072	0.070
206	2013/04/16	11:54:56	0.069	0.070	0.069
207	2013/04/16	11:55:56	0.070	0.075	0.071
208	2013/04/16	11:56:56	0.069	0.071	0.069
209	2013/04/16	11:57:56	0.068	0.069	0.069
210	2013/04/16	11:58:56	0.071	0.081	0.073
211	2013/04/16	11:59:56	0.069	0.073	0.069
212	2013/04/16	12:00:56	0.067	0.071	0.071
213	2013/04/16	12:01:56	0.068	0.071	0.068
214	2013/04/16	12:02:56	0.068	0.069	0.068
215	2013/04/16	12:03:56	0.068	0.069	0.068
216	2013/04/16	12:04:56	0.068	0.069	0.068
217	2013/04/16	12:05:56	0.069	0.077	0.073
218	2013/04/16	12:06:56	0.070	0.075	0.068
219	2013/04/16	12:07:56	0.067	0.072	0.072
220	2013/04/16	12:08:56	0.077	0.105	0.066
221	2013/04/16	12:09:56	0.069	0.094	0.066
222	2013/04/16	12:10:56	0.068	0.070	0.069
223	2013/04/16	12:11:56	0.068	0.071	0.068
224	2013/04/16	12:12:56	0.067	0.069	0.067
225	2013/04/16	12:13:56	0.067	0.069	0.068
226	2013/04/16	12:14:56	0.068	0.070	0.067
227	2013/04/16	12:15:56	0.070	0.078	0.072
228	2013/04/16	12:16:56	0.070	0.072	0.069
229	2013/04/16	12:17:56	0.068	0.069	0.068
230	2013/04/16	12:18:56	0.068	0.070	0.069
231	2013/04/16	12:19:56	0.069	0.072	0.069
232	2013/04/16	12:20:56	0.067	0.069	0.066
233	2013/04/16	12:21:56	0.068	0.072	0.071
234	2013/04/16	12:22:56	0.067	0.071	0.067
235	2013/04/16	12:23:56	0.067	0.068	0.066
236	2013/04/16	12:24:56	0.066	0.066	0.066
237	2013/04/16	12:25:56	0.071	0.112	0.095
238	2013/04/16	12:26:56	0.066	0.087	0.065
239	2013/04/16	12:27:56	0.064	0.065	0.064
240	2013/04/16	12:28:56	0.064	0.065	0.064
241	2013/04/16	12:29:56	0.063	0.065	0.064
242	2013/04/16	12:30:56	0.063	0.065	0.063
243	2013/04/16	12:31:56	0.062	0.064	0.062
244	2013/04/16	12:32:56	0.062	0.064	0.062

245	2013/04/16 12:33:56	0.062	0.063	0.062
246	2013/04/16 12:34:56	0.062	0.063	0.063
247	2013/04/16 12:35:56	0.062	0.065	0.061
248	2013/04/16 12:36:56	0.061	0.062	0.062
249	2013/04/16 12:37:56	0.060	0.062	0.060
250	2013/04/16 12:38:56	0.060	0.061	0.060
251	2013/04/16 12:39:56	0.066	0.119	0.059
252	2013/04/16 12:40:56	0.059	0.061	0.060
253	2013/04/16 12:41:56	0.062	0.101	0.060
254	2013/04/16 12:42:56	0.063	0.093	0.059
255	2013/04/16 12:43:56	0.059	0.072	0.058
256	2013/04/16 12:44:56	0.060	0.086	0.072
257	2013/04/16 12:45:56	0.062	0.101	0.060
258	2013/04/16 12:46:56	0.068	0.127	0.056
259	2013/04/16 12:47:56	0.056	0.060	0.060
260	2013/04/16 12:48:56	0.068	0.088	0.061
261	2013/04/16 12:49:56	0.060	0.116	0.054
262	2013/04/16 12:50:56	0.056	0.073	0.060
263	2013/04/16 12:51:56	0.067	0.106	0.056
264	2013/04/16 12:52:56	0.065	0.108	0.053
265	2013/04/16 12:53:56	0.077	0.124	0.081
266	2013/04/16 12:54:56	0.063	0.089	0.053
267	2013/04/16 12:55:56	0.061	0.094	0.060
268	2013/04/16 12:56:56	0.066	0.095	0.060
269	2013/04/16 12:57:56	0.054	0.057	0.055
270	2013/04/16 12:58:56	0.064	0.160	0.055
271	2013/04/16 12:59:56	0.061	0.077	0.059
272	2013/04/16 13:00:56	0.057	0.063	0.055
273	2013/04/16 13:01:56	0.054	0.055	0.054
274	2013/04/16 13:02:56	0.055	0.071	0.053
275	2013/04/16 13:03:56	0.053	0.065	0.053
276	2013/04/16 13:04:56	0.052	0.054	0.053
277	2013/04/16 13:05:56	0.071	0.177	0.057
278	2013/04/16 13:06:56	0.074	0.137	0.065
279	2013/04/16 13:07:56	0.061	0.099	0.051
280	2013/04/16 13:08:56	0.059	0.145	0.052
281	2013/04/16 13:09:56	0.053	0.065	0.051
282	2013/04/16 13:10:56	0.057	0.081	0.062
283	2013/04/16 13:11:56	0.068	0.162	0.057
284	2013/04/16 13:12:56	0.060	0.119	0.049
285	2013/04/16 13:13:56	0.052	0.067	0.049
286	2013/04/16 13:14:56	0.050	0.051	0.051
287	2013/04/16 13:15:56	0.051	0.061	0.052
288	2013/04/16 13:16:56	0.054	0.077	0.050
289	2013/04/16 13:17:56	0.050	0.062	0.062
290	2013/04/16 13:18:56	0.063	0.097	0.055
291	2013/04/16 13:19:56	0.053	0.092	0.049
292	2013/04/16 13:20:56	0.049	0.050	0.050
293	2013/04/16 13:21:56	0.050	0.051	0.050
294	2013/04/16 13:22:56	0.051	0.060	0.049
295	2013/04/16 13:23:56	0.049	0.050	0.050
296	2013/04/16 13:24:56	0.052	0.067	0.062
297	2013/04/16 13:25:56	0.050	0.066	0.056
298	2013/04/16 13:26:56	0.049	0.051	0.050
299	2013/04/16 13:27:56	0.049	0.052	0.050
300	2013/04/16 13:28:56	0.050	0.060	0.050
301	2013/04/16 13:29:56	0.049	0.051	0.049
302	2013/04/16 13:30:56	0.050	0.059	0.059
303	2013/04/16 13:31:56	0.050	0.068	0.048
304	2013/04/16 13:32:56	0.049	0.050	0.049
305	2013/04/16 13:33:56	0.049	0.050	0.049
Peak		0.117	0.287	0.218
Min		0.020	0.022	0.020

Average 0.066 0.086 0.066

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/04/16 08:29:56	0.000	---	
002	2013/04/16 08:30:56	0.000	---	
003	2013/04/16 08:31:56	0.000	---	
004	2013/04/16 08:32:56	0.000	---	
005	2013/04/16 08:33:56	0.000	---	
006	2013/04/16 08:34:56	0.000	---	
007	2013/04/16 08:35:56	0.000	---	
008	2013/04/16 08:36:56	0.000	---	
009	2013/04/16 08:37:56	0.000	---	
010	2013/04/16 08:38:56	0.001	---	
011	2013/04/16 08:39:56	0.001	---	
012	2013/04/16 08:40:56	0.001	---	
013	2013/04/16 08:41:56	0.001	---	
014	2013/04/16 08:42:56	0.001	---	
015	2013/04/16 08:43:56	0.001	0.029	
016	2013/04/16 08:44:56	0.001	0.030	
017	2013/04/16 08:45:56	0.001	0.032	
018	2013/04/16 08:46:56	0.001	0.034	
019	2013/04/16 08:47:56	0.001	0.036	
020	2013/04/16 08:48:56	0.001	0.039	
021	2013/04/16 08:49:56	0.002	0.041	
022	2013/04/16 08:50:56	0.002	0.043	
023	2013/04/16 08:51:56	0.002	0.045	
024	2013/04/16 08:52:56	0.002	0.047	
025	2013/04/16 08:53:56	0.002	0.049	
026	2013/04/16 08:54:56	0.002	0.051	
027	2013/04/16 08:55:56	0.002	0.053	
028	2013/04/16 08:56:56	0.002	0.054	
029	2013/04/16 08:57:56	0.003	0.056	
030	2013/04/16 08:58:56	0.003	0.057	
031	2013/04/16 08:59:56	0.003	0.058	
032	2013/04/16 09:00:56	0.003	0.058	
033	2013/04/16 09:01:56	0.003	0.058	
034	2013/04/16 09:02:56	0.003	0.059	
035	2013/04/16 09:03:56	0.003	0.059	
036	2013/04/16 09:04:56	0.003	0.059	
037	2013/04/16 09:05:56	0.004	0.060	
038	2013/04/16 09:06:56	0.004	0.060	
039	2013/04/16 09:07:56	0.004	0.060	
040	2013/04/16 09:08:56	0.004	0.060	
041	2013/04/16 09:09:56	0.004	0.060	
042	2013/04/16 09:10:56	0.004	0.060	
043	2013/04/16 09:11:56	0.004	0.061	
044	2013/04/16 09:12:56	0.004	0.061	
045	2013/04/16 09:13:56	0.005	0.061	
046	2013/04/16 09:14:56	0.005	0.061	
047	2013/04/16 09:15:56	0.005	0.061	
048	2013/04/16 09:16:56	0.005	0.061	
049	2013/04/16 09:17:56	0.005	0.061	
050	2013/04/16 09:18:56	0.005	0.062	
051	2013/04/16 09:19:56	0.005	0.065	
052	2013/04/16 09:20:56	0.006	0.065	
053	2013/04/16 09:21:56	0.006	0.065	
054	2013/04/16 09:22:56	0.006	0.065	
055	2013/04/16 09:23:56	0.006	0.065	
056	2013/04/16 09:24:56	0.006	0.065	
057	2013/04/16 09:25:56	0.006	0.066	

058	2013/04/16 09:26:56	0.006	0.067
059	2013/04/16 09:27:56	0.007	0.067
060	2013/04/16 09:28:56	0.007	0.067
061	2013/04/16 09:29:56	0.007	0.067
062	2013/04/16 09:30:56	0.007	0.067
063	2013/04/16 09:31:56	0.007	0.067
064	2013/04/16 09:32:56	0.007	0.068
065	2013/04/16 09:33:56	0.007	0.067
066	2013/04/16 09:34:56	0.007	0.064
067	2013/04/16 09:35:56	0.008	0.065
068	2013/04/16 09:36:56	0.008	0.065
069	2013/04/16 09:37:56	0.008	0.065
070	2013/04/16 09:38:56	0.008	0.072
071	2013/04/16 09:39:56	0.008	0.073
072	2013/04/16 09:40:56	0.009	0.073
073	2013/04/16 09:41:56	0.009	0.072
074	2013/04/16 09:42:56	0.009	0.073
075	2013/04/16 09:43:56	0.009	0.073
076	2013/04/16 09:44:56	0.009	0.073
077	2013/04/16 09:45:56	0.009	0.074
078	2013/04/16 09:46:56	0.009	0.075
079	2013/04/16 09:47:56	0.010	0.075
080	2013/04/16 09:48:56	0.010	0.075
081	2013/04/16 09:49:56	0.010	0.076
082	2013/04/16 09:50:56	0.010	0.076
083	2013/04/16 09:51:56	0.010	0.077
084	2013/04/16 09:52:56	0.010	0.077
085	2013/04/16 09:53:56	0.011	0.074
086	2013/04/16 09:54:56	0.011	0.074
087	2013/04/16 09:55:56	0.011	0.074
088	2013/04/16 09:56:56	0.011	0.075
089	2013/04/16 09:57:56	0.011	0.075
090	2013/04/16 09:58:56	0.011	0.075
091	2013/04/16 09:59:56	0.011	0.075
092	2013/04/16 10:00:56	0.012	0.075
093	2013/04/16 10:01:56	0.012	0.075
094	2013/04/16 10:02:56	0.012	0.076
095	2013/04/16 10:03:56	0.012	0.076
096	2013/04/16 10:04:56	0.012	0.077
097	2013/04/16 10:05:56	0.012	0.077
098	2013/04/16 10:06:56	0.013	0.077
099	2013/04/16 10:07:56	0.013	0.077
100	2013/04/16 10:08:56	0.013	0.074
101	2013/04/16 10:09:56	0.013	0.074
102	2013/04/16 10:10:56	0.013	0.075
103	2013/04/16 10:11:56	0.013	0.076
104	2013/04/16 10:12:56	0.014	0.076
105	2013/04/16 10:13:56	0.014	0.076
106	2013/04/16 10:14:56	0.014	0.076
107	2013/04/16 10:15:56	0.014	0.076
108	2013/04/16 10:16:56	0.014	0.077
109	2013/04/16 10:17:56	0.014	0.077
110	2013/04/16 10:18:56	0.015	0.078
111	2013/04/16 10:19:56	0.015	0.078
112	2013/04/16 10:20:56	0.015	0.078
113	2013/04/16 10:21:56	0.015	0.079
114	2013/04/16 10:22:56	0.015	0.079
115	2013/04/16 10:23:56	0.015	0.080
116	2013/04/16 10:24:56	0.016	0.082
117	2013/04/16 10:25:56	0.016	0.081
118	2013/04/16 10:26:56	0.016	0.080
119	2013/04/16 10:27:56	0.016	0.080
120	2013/04/16 10:28:56	0.016	0.081

121	2013/04/16 10:29:56	0.016	0.081
122	2013/04/16 10:30:56	0.017	0.083
123	2013/04/16 10:31:56	0.017	0.083
124	2013/04/16 10:32:56	0.017	0.083
125	2013/04/16 10:33:56	0.017	0.081
126	2013/04/16 10:34:56	0.017	0.080
127	2013/04/16 10:35:56	0.017	0.080
128	2013/04/16 10:36:56	0.018	0.080
129	2013/04/16 10:37:56	0.018	0.089
130	2013/04/16 10:38:56	0.018	0.087
131	2013/04/16 10:39:56	0.018	0.086
132	2013/04/16 10:40:56	0.018	0.086
133	2013/04/16 10:41:56	0.019	0.088
134	2013/04/16 10:42:56	0.019	0.088
135	2013/04/16 10:43:56	0.019	0.088
136	2013/04/16 10:44:56	0.019	0.088
137	2013/04/16 10:45:56	0.019	0.086
138	2013/04/16 10:46:56	0.019	0.085
139	2013/04/16 10:47:56	0.020	0.085
140	2013/04/16 10:48:56	0.020	0.085
141	2013/04/16 10:49:56	0.020	0.085
142	2013/04/16 10:50:56	0.020	0.088
143	2013/04/16 10:51:56	0.020	0.087
144	2013/04/16 10:52:56	0.020	0.077
145	2013/04/16 10:53:56	0.021	0.078
146	2013/04/16 10:54:56	0.021	0.078
147	2013/04/16 10:55:56	0.021	0.077
148	2013/04/16 10:56:56	0.021	0.075
149	2013/04/16 10:57:56	0.021	0.075
150	2013/04/16 10:58:56	0.021	0.074
151	2013/04/16 10:59:56	0.021	0.074
152	2013/04/16 11:00:56	0.022	0.074
153	2013/04/16 11:01:56	0.022	0.074
154	2013/04/16 11:02:56	0.022	0.074
155	2013/04/16 11:03:56	0.022	0.074
156	2013/04/16 11:04:56	0.022	0.074
157	2013/04/16 11:05:56	0.022	0.072
158	2013/04/16 11:06:56	0.022	0.072
159	2013/04/16 11:07:56	0.023	0.072
160	2013/04/16 11:08:56	0.023	0.072
161	2013/04/16 11:09:56	0.023	0.072
162	2013/04/16 11:10:56	0.023	0.072
163	2013/04/16 11:11:56	0.023	0.072
164	2013/04/16 11:12:56	0.023	0.072
165	2013/04/16 11:13:56	0.024	0.072
166	2013/04/16 11:14:56	0.024	0.072
167	2013/04/16 11:15:56	0.024	0.071
168	2013/04/16 11:16:56	0.024	0.071
169	2013/04/16 11:17:56	0.024	0.071
170	2013/04/16 11:18:56	0.024	0.071
171	2013/04/16 11:19:56	0.024	0.071
172	2013/04/16 11:20:56	0.025	0.070
173	2013/04/16 11:21:56	0.025	0.070
174	2013/04/16 11:22:56	0.025	0.070
175	2013/04/16 11:23:56	0.025	0.070
176	2013/04/16 11:24:56	0.025	0.070
177	2013/04/16 11:25:56	0.025	0.070
178	2013/04/16 11:26:56	0.025	0.070
179	2013/04/16 11:27:56	0.026	0.070
180	2013/04/16 11:28:56	0.026	0.070
181	2013/04/16 11:29:56	0.026	0.070
182	2013/04/16 11:30:56	0.026	0.070
183	2013/04/16 11:31:56	0.026	0.070

184	2013/04/16 11:32:56	0.026	0.071
185	2013/04/16 11:33:56	0.026	0.071
186	2013/04/16 11:34:56	0.027	0.071
187	2013/04/16 11:35:56	0.027	0.071
188	2013/04/16 11:36:56	0.027	0.071
189	2013/04/16 11:37:56	0.027	0.071
190	2013/04/16 11:38:56	0.027	0.071
191	2013/04/16 11:39:56	0.027	0.071
192	2013/04/16 11:40:56	0.027	0.071
193	2013/04/16 11:41:56	0.028	0.071
194	2013/04/16 11:42:56	0.028	0.071
195	2013/04/16 11:43:56	0.028	0.071
196	2013/04/16 11:44:56	0.028	0.071
197	2013/04/16 11:45:56	0.028	0.071
198	2013/04/16 11:46:56	0.028	0.071
199	2013/04/16 11:47:56	0.029	0.071
200	2013/04/16 11:48:56	0.029	0.071
201	2013/04/16 11:49:56	0.029	0.071
202	2013/04/16 11:50:56	0.029	0.071
203	2013/04/16 11:51:56	0.029	0.071
204	2013/04/16 11:52:56	0.029	0.071
205	2013/04/16 11:53:56	0.029	0.071
206	2013/04/16 11:54:56	0.030	0.071
207	2013/04/16 11:55:56	0.030	0.071
208	2013/04/16 11:56:56	0.030	0.071
209	2013/04/16 11:57:56	0.030	0.071
210	2013/04/16 11:58:56	0.030	0.071
211	2013/04/16 11:59:56	0.030	0.071
212	2013/04/16 12:00:56	0.030	0.071
213	2013/04/16 12:01:56	0.031	0.070
214	2013/04/16 12:02:56	0.031	0.070
215	2013/04/16 12:03:56	0.031	0.070
216	2013/04/16 12:04:56	0.031	0.070
217	2013/04/16 12:05:56	0.031	0.070
218	2013/04/16 12:06:56	0.031	0.070
219	2013/04/16 12:07:56	0.031	0.070
220	2013/04/16 12:08:56	0.032	0.069
221	2013/04/16 12:09:56	0.032	0.069
222	2013/04/16 12:10:56	0.032	0.069
223	2013/04/16 12:11:56	0.032	0.069
224	2013/04/16 12:12:56	0.032	0.069
225	2013/04/16 12:13:56	0.032	0.069
226	2013/04/16 12:14:56	0.032	0.068
227	2013/04/16 12:15:56	0.033	0.069
228	2013/04/16 12:16:56	0.033	0.069
229	2013/04/16 12:17:56	0.033	0.069
230	2013/04/16 12:18:56	0.033	0.069
231	2013/04/16 12:19:56	0.033	0.069
232	2013/04/16 12:20:56	0.033	0.068
233	2013/04/16 12:21:56	0.033	0.068
234	2013/04/16 12:22:56	0.034	0.068
235	2013/04/16 12:23:56	0.034	0.068
236	2013/04/16 12:24:56	0.034	0.068
237	2013/04/16 12:25:56	0.034	0.070
238	2013/04/16 12:26:56	0.034	0.070
239	2013/04/16 12:27:56	0.034	0.069
240	2013/04/16 12:28:56	0.034	0.069
241	2013/04/16 12:29:56	0.035	0.069
242	2013/04/16 12:30:56	0.035	0.068
243	2013/04/16 12:31:56	0.035	0.068
244	2013/04/16 12:32:56	0.035	0.068
245	2013/04/16 12:33:56	0.035	0.067
246	2013/04/16 12:34:56	0.035	0.067

247	2013/04/16 12:35:56	0.035	0.066
248	2013/04/16 12:36:56	0.036	0.066
249	2013/04/16 12:37:56	0.036	0.065
250	2013/04/16 12:38:56	0.036	0.065
251	2013/04/16 12:39:56	0.036	0.064
252	2013/04/16 12:40:56	0.036	0.062
253	2013/04/16 12:41:56	0.036	0.062
254	2013/04/16 12:42:56	0.036	0.061
255	2013/04/16 12:43:56	0.036	0.061
256	2013/04/16 12:44:56	0.037	0.062
257	2013/04/16 12:45:56	0.037	0.061
258	2013/04/16 12:46:56	0.037	0.061
259	2013/04/16 12:47:56	0.037	0.061
260	2013/04/16 12:48:56	0.037	0.061
261	2013/04/16 12:49:56	0.037	0.060
262	2013/04/16 12:50:56	0.037	0.060
263	2013/04/16 12:51:56	0.037	0.060
264	2013/04/16 12:52:56	0.037	0.059
265	2013/04/16 12:53:56	0.038	0.061
266	2013/04/16 12:54:56	0.038	0.060
267	2013/04/16 12:55:56	0.038	0.060
268	2013/04/16 12:56:56	0.038	0.060
269	2013/04/16 12:57:56	0.038	0.060
270	2013/04/16 12:58:56	0.038	0.060
271	2013/04/16 12:59:56	0.038	0.059
272	2013/04/16 13:00:56	0.038	0.059
273	2013/04/16 13:01:56	0.039	0.058
274	2013/04/16 13:02:56	0.039	0.058
275	2013/04/16 13:03:56	0.039	0.057
276	2013/04/16 13:04:56	0.039	0.057
277	2013/04/16 13:05:56	0.039	0.057
278	2013/04/16 13:06:56	0.039	0.058
279	2013/04/16 13:07:56	0.039	0.058
280	2013/04/16 13:08:56	0.039	0.056
281	2013/04/16 13:09:56	0.039	0.056
282	2013/04/16 13:10:56	0.040	0.056
283	2013/04/16 13:11:56	0.040	0.055
284	2013/04/16 13:12:56	0.040	0.055
285	2013/04/16 13:13:56	0.040	0.055
286	2013/04/16 13:14:56	0.040	0.054
287	2013/04/16 13:15:56	0.040	0.054
288	2013/04/16 13:16:56	0.040	0.054
289	2013/04/16 13:17:56	0.040	0.054
290	2013/04/16 13:18:56	0.041	0.054
291	2013/04/16 13:19:56	0.041	0.054
292	2013/04/16 13:20:56	0.041	0.054
293	2013/04/16 13:21:56	0.041	0.053
294	2013/04/16 13:22:56	0.041	0.053
295	2013/04/16 13:23:56	0.041	0.052
296	2013/04/16 13:24:56	0.041	0.053
297	2013/04/16 13:25:56	0.041	0.053
298	2013/04/16 13:26:56	0.041	0.052
299	2013/04/16 13:27:56	0.041	0.052
300	2013/04/16 13:28:56	0.042	0.052
301	2013/04/16 13:29:56	0.042	0.052
302	2013/04/16 13:30:56	0.042	0.053
303	2013/04/16 13:31:56	0.042	0.053
304	2013/04/16 13:32:56	0.042	0.052
305	2013/04/16 13:33:56	0.042	0.051

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13/04/17 08:21

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Summary

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---------------------------------------------------------------
Unit Name       MiniRAE 3000
Unit SN 592-909735
Unit Firmware Ver       V1.20
---------------------------------------------------------------
Running Mode    Hygiene Mode
Measure Type    Avg; Max; Real
Datalog Mode    Continuous
Datalog Type    Manual
Diagnostic Mode No
Stop Reason     Power Down
---------------------------------------------------------------
Site ID 12345678
User ID 12345678
---------------------------------------------------------------
Begin   2013/04/17 08:21:56
End     2013/04/17 16:54:47
Sample Period(s)        60
Number of Records       512
---------------------------------------------------------------
Sensor  VOC(ppm)
Span    100.000
Span 2  N/A
Low Alarm       50.000
High Alarm      100.000
Over Alarm      15000.000
STEL Alarm      25.000
TWA Alarm       10.000
Measurement Gas Isobutylene
Calibration Time        2013/04/16 08:28
Peak    0.173
Min     0.000
Average 0.135

***************************************************************
Datalog
                VOC(ppm)        VOC(ppm)        VOC(ppm)
Index   Date/Time       (Avg)   (Max)   (Real)
001     2013/04/17 08:22:56     0.007   0.017   0.000
002     2013/04/17 08:23:56     0.000   0.009   0.000
003     2013/04/17 08:24:56     0.000   0.001   0.000
004     2013/04/17 08:25:56     0.000   0.002   0.000
005     2013/04/17 08:26:56     0.000   0.000   0.000
006     2013/04/17 08:27:56     0.000   0.001   0.000
007     2013/04/17 08:28:56     0.009   0.036   0.020
008     2013/04/17 08:29:56     0.001   0.019   0.000
009     2013/04/17 08:30:56     0.000   0.003   0.000
010     2013/04/17 08:31:56     0.001   0.010   0.000
011     2013/04/17 08:32:56     0.004   0.015   0.002
012     2013/04/17 08:33:56     0.002   0.005   0.003
013     2013/04/17 08:34:56     0.006   0.010   0.010
014     2013/04/17 08:35:56     0.010   0.018   0.013
015     2013/04/17 08:36:56     0.016   0.022   0.016
016     2013/04/17 08:37:56     0.025   0.034   0.023
017     2013/04/17 08:38:56     0.024   0.032   0.026
018     2013/04/17 08:39:56     0.034   0.055   0.020
019     2013/04/17 08:40:56     0.025   0.034   0.026
020     2013/04/17 08:41:56     0.031   0.042   0.033
021     2013/04/17 08:42:56     0.030   0.038   0.029
022     2013/04/17 08:43:56     0.031   0.036   0.033
023     2013/04/17 08:44:56     0.042   0.057   0.047
024     2013/04/17 08:45:56     0.040   0.049   0.048
025     2013/04/17 08:46:56     0.047   0.070   0.040
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026	2013/04/17 08:47:56	0.040	0.043	0.043
027	2013/04/17 08:48:56	0.044	0.048	0.048
028	2013/04/17 08:49:56	0.048	0.049	0.048
029	2013/04/17 08:50:56	0.048	0.051	0.049
030	2013/04/17 08:51:56	0.051	0.056	0.054
031	2013/04/17 08:52:56	0.054	0.056	0.056
032	2013/04/17 08:53:56	0.057	0.061	0.058
033	2013/04/17 08:54:56	0.061	0.068	0.066
034	2013/04/17 08:55:56	0.061	0.064	0.062
035	2013/04/17 08:56:56	0.069	0.087	0.063
036	2013/04/17 08:57:56	0.071	0.089	0.069
037	2013/04/17 08:58:56	0.074	0.084	0.071
038	2013/04/17 08:59:56	0.075	0.089	0.066
039	2013/04/17 09:00:56	0.070	0.079	0.071
040	2013/04/17 09:01:56	0.075	0.081	0.073
041	2013/04/17 09:02:56	0.074	0.077	0.075
042	2013/04/17 09:03:56	0.077	0.085	0.085
043	2013/04/17 09:04:56	0.083	0.090	0.081
044	2013/04/17 09:05:56	0.081	0.083	0.082
045	2013/04/17 09:06:56	0.084	0.086	0.086
046	2013/04/17 09:07:56	0.086	0.089	0.088
047	2013/04/17 09:08:56	0.087	0.090	0.090
048	2013/04/17 09:09:56	0.089	0.092	0.091
049	2013/04/17 09:10:56	0.093	0.095	0.094
050	2013/04/17 09:11:56	0.095	0.096	0.096
051	2013/04/17 09:12:56	0.096	0.098	0.098
052	2013/04/17 09:13:56	0.098	0.100	0.099
053	2013/04/17 09:14:56	0.100	0.103	0.100
054	2013/04/17 09:15:56	0.101	0.103	0.102
055	2013/04/17 09:16:56	0.102	0.104	0.104
056	2013/04/17 09:17:56	0.103	0.105	0.103
057	2013/04/17 09:18:56	0.103	0.106	0.106
058	2013/04/17 09:19:56	0.105	0.107	0.107
059	2013/04/17 09:20:56	0.106	0.108	0.107
060	2013/04/17 09:21:56	0.107	0.109	0.109
061	2013/04/17 09:22:56	0.112	0.126	0.114
062	2013/04/17 09:23:56	0.110	0.113	0.111
063	2013/04/17 09:24:56	0.110	0.112	0.111
064	2013/04/17 09:25:56	0.112	0.113	0.112
065	2013/04/17 09:26:56	0.112	0.114	0.114
066	2013/04/17 09:27:56	0.114	0.116	0.115
067	2013/04/17 09:28:56	0.115	0.117	0.115
068	2013/04/17 09:29:56	0.116	0.117	0.117
069	2013/04/17 09:30:56	0.116	0.118	0.118
070	2013/04/17 09:31:56	0.118	0.120	0.119
071	2013/04/17 09:32:56	0.120	0.122	0.122
072	2013/04/17 09:33:56	0.123	0.133	0.122
073	2013/04/17 09:34:56	0.121	0.125	0.123
074	2013/04/17 09:35:56	0.120	0.123	0.123
075	2013/04/17 09:36:56	0.123	0.125	0.124
076	2013/04/17 09:37:56	0.126	0.128	0.127
077	2013/04/17 09:38:56	0.128	0.129	0.128
078	2013/04/17 09:39:56	0.130	0.142	0.142
079	2013/04/17 09:40:56	0.134	0.143	0.130
080	2013/04/17 09:41:56	0.127	0.131	0.128
081	2013/04/17 09:42:56	0.133	0.153	0.141
082	2013/04/17 09:43:56	0.131	0.146	0.132
083	2013/04/17 09:44:56	0.129	0.144	0.142
084	2013/04/17 09:45:56	0.129	0.138	0.128
085	2013/04/17 09:46:56	0.130	0.134	0.133
086	2013/04/17 09:47:56	0.130	0.132	0.129
087	2013/04/17 09:48:56	0.131	0.134	0.133
088	2013/04/17 09:49:56	0.132	0.135	0.134

089	2013/04/17	09:50:56	0.134	0.135	0.135
090	2013/04/17	09:51:56	0.135	0.136	0.135
091	2013/04/17	09:52:56	0.135	0.138	0.136
092	2013/04/17	09:53:56	0.136	0.138	0.137
093	2013/04/17	09:54:56	0.137	0.140	0.139
094	2013/04/17	09:55:56	0.135	0.142	0.134
095	2013/04/17	09:56:56	0.135	0.139	0.137
096	2013/04/17	09:57:56	0.136	0.138	0.136
097	2013/04/17	09:58:56	0.137	0.138	0.138
098	2013/04/17	09:59:56	0.136	0.138	0.137
099	2013/04/17	10:00:56	0.137	0.140	0.137
100	2013/04/17	10:01:56	0.137	0.138	0.138
101	2013/04/17	10:02:56	0.138	0.139	0.139
102	2013/04/17	10:03:56	0.137	0.139	0.139
103	2013/04/17	10:04:56	0.136	0.139	0.136
104	2013/04/17	10:05:56	0.138	0.141	0.139
105	2013/04/17	10:06:56	0.139	0.141	0.140
106	2013/04/17	10:07:56	0.140	0.142	0.141
107	2013/04/17	10:08:56	0.140	0.141	0.140
108	2013/04/17	10:09:56	0.140	0.141	0.141
109	2013/04/17	10:10:56	0.140	0.142	0.141
110	2013/04/17	10:11:56	0.138	0.141	0.137
111	2013/04/17	10:12:56	0.139	0.140	0.139
112	2013/04/17	10:13:56	0.139	0.140	0.138
113	2013/04/17	10:14:56	0.140	0.142	0.141
114	2013/04/17	10:15:56	0.140	0.142	0.140
115	2013/04/17	10:16:56	0.139	0.142	0.141
116	2013/04/17	10:17:56	0.140	0.141	0.139
117	2013/04/17	10:18:56	0.141	0.142	0.141
118	2013/04/17	10:19:56	0.142	0.148	0.142
119	2013/04/17	10:20:56	0.142	0.146	0.144
120	2013/04/17	10:21:56	0.144	0.145	0.144
121	2013/04/17	10:22:56	0.144	0.151	0.148
122	2013/04/17	10:23:56	0.144	0.148	0.143
123	2013/04/17	10:24:56	0.145	0.147	0.146
124	2013/04/17	10:25:56	0.147	0.148	0.148
125	2013/04/17	10:26:56	0.150	0.154	0.150
126	2013/04/17	10:27:56	0.151	0.152	0.151
127	2013/04/17	10:28:56	0.152	0.155	0.152
128	2013/04/17	10:29:56	0.152	0.155	0.153
129	2013/04/17	10:30:56	0.154	0.155	0.155
130	2013/04/17	10:31:56	0.155	0.158	0.156
131	2013/04/17	10:32:56	0.156	0.158	0.158
132	2013/04/17	10:33:56	0.158	0.160	0.159
133	2013/04/17	10:34:56	0.159	0.161	0.159
134	2013/04/17	10:35:56	0.159	0.161	0.159
135	2013/04/17	10:36:56	0.159	0.161	0.159
136	2013/04/17	10:37:56	0.159	0.160	0.159
137	2013/04/17	10:38:56	0.159	0.160	0.158
138	2013/04/17	10:39:56	0.158	0.160	0.159
139	2013/04/17	10:40:56	0.159	0.161	0.159
140	2013/04/17	10:41:56	0.158	0.159	0.158
141	2013/04/17	10:42:56	0.157	0.159	0.157
142	2013/04/17	10:43:56	0.157	0.158	0.157
143	2013/04/17	10:44:56	0.156	0.157	0.156
144	2013/04/17	10:45:56	0.155	0.158	0.155
145	2013/04/17	10:46:56	0.154	0.156	0.154
146	2013/04/17	10:47:56	0.153	0.154	0.153
147	2013/04/17	10:48:56	0.152	0.153	0.153
148	2013/04/17	10:49:56	0.152	0.153	0.150
149	2013/04/17	10:50:56	0.150	0.152	0.150
150	2013/04/17	10:51:56	0.150	0.151	0.150
151	2013/04/17	10:52:56	0.149	0.151	0.148

152	2013/04/17	10:53:56	0.149	0.155	0.148
153	2013/04/17	10:54:56	0.147	0.149	0.146
154	2013/04/17	10:55:56	0.147	0.149	0.147
155	2013/04/17	10:56:56	0.147	0.149	0.147
156	2013/04/17	10:57:56	0.147	0.148	0.147
157	2013/04/17	10:58:56	0.147	0.149	0.148
158	2013/04/17	10:59:56	0.147	0.149	0.148
159	2013/04/17	11:00:56	0.147	0.149	0.148
160	2013/04/17	11:01:56	0.147	0.148	0.147
161	2013/04/17	11:02:56	0.148	0.149	0.147
162	2013/04/17	11:03:56	0.147	0.149	0.146
163	2013/04/17	11:04:56	0.148	0.150	0.147
164	2013/04/17	11:05:56	0.149	0.152	0.150
165	2013/04/17	11:06:56	0.148	0.150	0.148
166	2013/04/17	11:07:56	0.147	0.148	0.147
167	2013/04/17	11:08:56	0.146	0.147	0.147
168	2013/04/17	11:09:56	0.147	0.149	0.146
169	2013/04/17	11:10:56	0.147	0.148	0.147
170	2013/04/17	11:11:56	0.147	0.148	0.148
171	2013/04/17	11:12:56	0.148	0.149	0.146
172	2013/04/17	11:13:56	0.150	0.163	0.153
173	2013/04/17	11:14:56	0.149	0.163	0.145
174	2013/04/17	11:15:56	0.145	0.147	0.146
175	2013/04/17	11:16:56	0.146	0.149	0.148
176	2013/04/17	11:17:56	0.147	0.149	0.148
177	2013/04/17	11:18:56	0.148	0.149	0.149
178	2013/04/17	11:19:56	0.148	0.149	0.148
179	2013/04/17	11:20:56	0.148	0.151	0.148
180	2013/04/17	11:21:56	0.148	0.149	0.148
181	2013/04/17	11:22:56	0.148	0.149	0.148
182	2013/04/17	11:23:56	0.147	0.149	0.148
183	2013/04/17	11:24:56	0.148	0.149	0.148
184	2013/04/17	11:25:56	0.147	0.148	0.148
185	2013/04/17	11:26:56	0.147	0.149	0.148
186	2013/04/17	11:27:56	0.149	0.153	0.148
187	2013/04/17	11:28:56	0.147	0.149	0.149
188	2013/04/17	11:29:56	0.148	0.149	0.147
189	2013/04/17	11:30:56	0.146	0.148	0.148
190	2013/04/17	11:31:56	0.148	0.150	0.147
191	2013/04/17	11:32:56	0.148	0.150	0.148
192	2013/04/17	11:33:56	0.149	0.151	0.151
193	2013/04/17	11:34:56	0.150	0.153	0.152
194	2013/04/17	11:35:56	0.150	0.152	0.150
195	2013/04/17	11:36:56	0.151	0.155	0.152
196	2013/04/17	11:37:56	0.151	0.153	0.152
197	2013/04/17	11:38:56	0.153	0.155	0.153
198	2013/04/17	11:39:56	0.152	0.154	0.154
199	2013/04/17	11:40:56	0.154	0.156	0.154
200	2013/04/17	11:41:56	0.153	0.154	0.154
201	2013/04/17	11:42:56	0.153	0.154	0.154
202	2013/04/17	11:43:56	0.154	0.155	0.154
203	2013/04/17	11:44:56	0.155	0.156	0.154
204	2013/04/17	11:45:56	0.154	0.155	0.155
205	2013/04/17	11:46:56	0.159	0.175	0.163
206	2013/04/17	11:47:56	0.157	0.162	0.157
207	2013/04/17	11:48:56	0.156	0.157	0.156
208	2013/04/17	11:49:56	0.157	0.160	0.158
209	2013/04/17	11:50:56	0.158	0.165	0.160
210	2013/04/17	11:51:56	0.157	0.160	0.159
211	2013/04/17	11:52:56	0.165	0.188	0.173
212	2013/04/17	11:53:56	0.162	0.172	0.160
213	2013/04/17	11:54:56	0.159	0.161	0.159
214	2013/04/17	11:55:56	0.159	0.162	0.159

215	2013/04/17 11:56:56	0.158	0.160	0.160
216	2013/04/17 11:57:56	0.157	0.159	0.159
217	2013/04/17 11:58:56	0.159	0.161	0.159
218	2013/04/17 11:59:56	0.160	0.161	0.159
219	2013/04/17 12:00:56	0.160	0.162	0.162
220	2013/04/17 12:01:56	0.162	0.163	0.162
221	2013/04/17 12:02:56	0.164	0.166	0.164
222	2013/04/17 12:03:56	0.164	0.166	0.165
223	2013/04/17 12:04:56	0.165	0.168	0.164
224	2013/04/17 12:05:56	0.163	0.165	0.165
225	2013/04/17 12:06:56	0.164	0.165	0.165
226	2013/04/17 12:07:56	0.163	0.165	0.164
227	2013/04/17 12:08:56	0.163	0.167	0.164
228	2013/04/17 12:09:56	0.162	0.165	0.162
229	2013/04/17 12:10:56	0.161	0.163	0.161
230	2013/04/17 12:11:56	0.162	0.163	0.162
231	2013/04/17 12:12:56	0.164	0.170	0.164
232	2013/04/17 12:13:56	0.163	0.166	0.163
233	2013/04/17 12:14:56	0.163	0.165	0.164
234	2013/04/17 12:15:56	0.164	0.168	0.166
235	2013/04/17 12:16:56	0.165	0.166	0.166
236	2013/04/17 12:17:56	0.164	0.166	0.165
237	2013/04/17 12:18:56	0.164	0.171	0.161
238	2013/04/17 12:19:56	0.165	0.171	0.165
239	2013/04/17 12:20:56	0.163	0.201	0.158
240	2013/04/17 12:21:56	0.159	0.166	0.162
241	2013/04/17 12:22:56	0.159	0.168	0.159
242	2013/04/17 12:23:56	0.158	0.169	0.151
243	2013/04/17 12:24:56	0.156	0.160	0.160
244	2013/04/17 12:25:56	0.161	0.168	0.161
245	2013/04/17 12:26:56	0.156	0.166	0.158
246	2013/04/17 12:27:56	0.160	0.162	0.162
247	2013/04/17 12:28:56	0.162	0.164	0.164
248	2013/04/17 12:29:56	0.163	0.165	0.165
249	2013/04/17 12:30:56	0.164	0.166	0.163
250	2013/04/17 12:31:56	0.162	0.163	0.163
251	2013/04/17 12:32:56	0.162	0.164	0.163
252	2013/04/17 12:33:56	0.162	0.164	0.162
253	2013/04/17 12:34:56	0.161	0.166	0.164
254	2013/04/17 12:35:56	0.157	0.170	0.156
255	2013/04/17 12:36:56	0.158	0.161	0.161
256	2013/04/17 12:37:56	0.157	0.163	0.155
257	2013/04/17 12:38:56	0.150	0.157	0.152
258	2013/04/17 12:39:56	0.152	0.154	0.153
259	2013/04/17 12:40:56	0.153	0.158	0.150
260	2013/04/17 12:41:56	0.150	0.152	0.151
261	2013/04/17 12:42:56	0.151	0.154	0.152
262	2013/04/17 12:43:56	0.151	0.152	0.150
263	2013/04/17 12:44:56	0.150	0.151	0.150
264	2013/04/17 12:45:56	0.149	0.151	0.150
265	2013/04/17 12:46:56	0.149	0.151	0.151
266	2013/04/17 12:47:56	0.149	0.153	0.146
267	2013/04/17 12:48:56	0.146	0.150	0.146
268	2013/04/17 12:49:56	0.140	0.145	0.138
269	2013/04/17 12:50:56	0.139	0.141	0.141
270	2013/04/17 12:51:56	0.142	0.147	0.143
271	2013/04/17 12:52:56	0.145	0.149	0.146
272	2013/04/17 12:53:56	0.143	0.146	0.144
273	2013/04/17 12:54:56	0.144	0.153	0.142
274	2013/04/17 12:55:56	0.139	0.144	0.140
275	2013/04/17 12:56:56	0.139	0.142	0.140
276	2013/04/17 12:57:56	0.141	0.144	0.142
277	2013/04/17 12:58:56	0.141	0.145	0.141

278	2013/04/17 12:59:56	0.141	0.144	0.144
279	2013/04/17 13:00:56	0.141	0.162	0.138
280	2013/04/17 13:01:56	0.139	0.146	0.137
281	2013/04/17 13:02:56	0.139	0.142	0.142
282	2013/04/17 13:03:56	0.142	0.144	0.144
283	2013/04/17 13:04:56	0.144	0.147	0.145
284	2013/04/17 13:05:56	0.144	0.145	0.143
285	2013/04/17 13:06:56	0.144	0.146	0.145
286	2013/04/17 13:07:56	0.143	0.145	0.144
287	2013/04/17 13:08:56	0.144	0.146	0.145
288	2013/04/17 13:09:56	0.144	0.145	0.145
289	2013/04/17 13:10:56	0.145	0.149	0.144
290	2013/04/17 13:11:56	0.144	0.145	0.143
291	2013/04/17 13:12:56	0.144	0.147	0.146
292	2013/04/17 13:13:56	0.144	0.146	0.141
293	2013/04/17 13:14:56	0.142	0.146	0.140
294	2013/04/17 13:15:56	0.138	0.140	0.137
295	2013/04/17 13:16:56	0.136	0.141	0.137
296	2013/04/17 13:17:56	0.132	0.140	0.129
297	2013/04/17 13:18:56	0.131	0.133	0.132
298	2013/04/17 13:19:56	0.132	0.134	0.134
299	2013/04/17 13:20:56	0.131	0.136	0.131
300	2013/04/17 13:21:56	0.131	0.135	0.134
301	2013/04/17 13:22:56	0.132	0.137	0.131
302	2013/04/17 13:23:56	0.128	0.146	0.127
303	2013/04/17 13:24:56	0.128	0.131	0.131
304	2013/04/17 13:25:56	0.131	0.133	0.133
305	2013/04/17 13:26:56	0.134	0.136	0.133
306	2013/04/17 13:27:56	0.135	0.139	0.137
307	2013/04/17 13:28:56	0.137	0.144	0.139
308	2013/04/17 13:29:56	0.139	0.141	0.140
309	2013/04/17 13:30:56	0.141	0.143	0.143
310	2013/04/17 13:31:56	0.142	0.144	0.144
311	2013/04/17 13:32:56	0.143	0.145	0.144
312	2013/04/17 13:33:56	0.144	0.146	0.146
313	2013/04/17 13:34:56	0.147	0.149	0.148
314	2013/04/17 13:35:56	0.146	0.148	0.146
315	2013/04/17 13:36:56	0.146	0.148	0.147
316	2013/04/17 13:37:56	0.147	0.150	0.149
317	2013/04/17 13:38:56	0.150	0.154	0.154
318	2013/04/17 13:39:56	0.152	0.156	0.150
319	2013/04/17 13:40:56	0.149	0.151	0.150
320	2013/04/17 13:41:56	0.149	0.152	0.149
321	2013/04/17 13:42:56	0.148	0.150	0.148
322	2013/04/17 13:43:56	0.147	0.148	0.148
323	2013/04/17 13:44:56	0.147	0.148	0.147
324	2013/04/17 13:45:56	0.147	0.149	0.149
325	2013/04/17 13:46:56	0.148	0.151	0.147
326	2013/04/17 13:47:56	0.148	0.150	0.150
327	2013/04/17 13:48:56	0.148	0.150	0.150
328	2013/04/17 13:49:56	0.148	0.151	0.148
329	2013/04/17 13:50:56	0.148	0.152	0.149
330	2013/04/17 13:51:56	0.149	0.150	0.150
331	2013/04/17 13:52:56	0.150	0.152	0.152
332	2013/04/17 13:53:56	0.150	0.152	0.149
333	2013/04/17 13:54:56	0.150	0.151	0.150
334	2013/04/17 13:55:56	0.150	0.151	0.151
335	2013/04/17 13:56:56	0.151	0.154	0.152
336	2013/04/17 13:57:56	0.150	0.152	0.151
337	2013/04/17 13:58:56	0.150	0.151	0.151
338	2013/04/17 13:59:56	0.151	0.152	0.150
339	2013/04/17 14:00:56	0.150	0.151	0.151
340	2013/04/17 14:01:56	0.150	0.151	0.151

341	2013/04/17 14:02:56	0.151	0.154	0.151
342	2013/04/17 14:03:56	0.154	0.164	0.161
343	2013/04/17 14:04:56	0.153	0.161	0.153
344	2013/04/17 14:05:56	0.152	0.154	0.153
345	2013/04/17 14:06:56	0.153	0.156	0.152
346	2013/04/17 14:07:56	0.172	0.354	0.148
347	2013/04/17 14:08:56	0.167	0.320	0.141
348	2013/04/17 14:09:56	0.144	0.165	0.165
349	2013/04/17 14:10:56	0.143	0.165	0.143
350	2013/04/17 14:11:56	0.146	0.150	0.148
351	2013/04/17 14:12:56	0.152	0.181	0.154
352	2013/04/17 14:13:56	0.154	0.157	0.153
353	2013/04/17 14:14:56	0.153	0.155	0.154
354	2013/04/17 14:15:56	0.153	0.162	0.153
355	2013/04/17 14:16:56	0.152	0.154	0.153
356	2013/04/17 14:17:56	0.152	0.154	0.152
357	2013/04/17 14:18:56	0.151	0.154	0.146
358	2013/04/17 14:19:56	0.147	0.149	0.148
359	2013/04/17 14:20:56	0.148	0.150	0.149
360	2013/04/17 14:21:56	0.148	0.150	0.149
361	2013/04/17 14:22:56	0.147	0.149	0.148
362	2013/04/17 14:23:56	0.149	0.154	0.149
363	2013/04/17 14:24:56	0.146	0.149	0.146
364	2013/04/17 14:25:56	0.146	0.148	0.148
365	2013/04/17 14:26:56	0.148	0.155	0.149
366	2013/04/17 14:27:56	0.147	0.150	0.148
367	2013/04/17 14:28:56	0.146	0.149	0.148
368	2013/04/17 14:29:56	0.147	0.150	0.150
369	2013/04/17 14:30:56	0.145	0.150	0.145
370	2013/04/17 14:31:56	0.146	0.148	0.148
371	2013/04/17 14:32:56	0.148	0.150	0.149
372	2013/04/17 14:33:56	0.149	0.150	0.149
373	2013/04/17 14:34:56	0.150	0.151	0.150
374	2013/04/17 14:35:56	0.150	0.153	0.150
375	2013/04/17 14:36:56	0.149	0.153	0.149
376	2013/04/17 14:37:56	0.149	0.151	0.151
377	2013/04/17 14:38:56	0.150	0.152	0.148
378	2013/04/17 14:39:56	0.148	0.150	0.148
379	2013/04/17 14:40:56	0.149	0.151	0.151
380	2013/04/17 14:41:56	0.150	0.151	0.150
381	2013/04/17 14:42:56	0.147	0.149	0.149
382	2013/04/17 14:43:56	0.149	0.151	0.150
383	2013/04/17 14:44:56	0.151	0.153	0.152
384	2013/04/17 14:45:56	0.151	0.153	0.152
385	2013/04/17 14:46:56	0.152	0.153	0.153
386	2013/04/17 14:47:56	0.151	0.153	0.150
387	2013/04/17 14:48:56	0.150	0.155	0.149
388	2013/04/17 14:49:56	0.149	0.151	0.149
389	2013/04/17 14:50:56	0.149	0.151	0.149
390	2013/04/17 14:51:56	0.148	0.150	0.149
391	2013/04/17 14:52:56	0.147	0.150	0.146
392	2013/04/17 14:53:56	0.148	0.151	0.151
393	2013/04/17 14:54:56	0.148	0.151	0.149
394	2013/04/17 14:55:56	0.147	0.149	0.148
395	2013/04/17 14:56:56	0.146	0.149	0.146
396	2013/04/17 14:57:56	0.146	0.148	0.146
397	2013/04/17 14:58:56	0.145	0.147	0.146
398	2013/04/17 14:59:56	0.146	0.148	0.145
399	2013/04/17 15:00:56	0.145	0.146	0.144
400	2013/04/17 15:01:56	0.144	0.146	0.144
401	2013/04/17 15:02:56	0.144	0.146	0.144
402	2013/04/17 15:03:56	0.142	0.144	0.142
403	2013/04/17 15:04:56	0.142	0.144	0.143

404	2013/04/17 15:05:56	0.142	0.143	0.142
405	2013/04/17 15:06:56	0.141	0.143	0.141
406	2013/04/17 15:07:56	0.140	0.141	0.140
407	2013/04/17 15:08:56	0.138	0.140	0.136
408	2013/04/17 15:09:56	0.138	0.140	0.140
409	2013/04/17 15:10:56	0.139	0.141	0.138
410	2013/04/17 15:11:56	0.139	0.141	0.140
411	2013/04/17 15:12:56	0.139	0.141	0.139
412	2013/04/17 15:13:56	0.139	0.142	0.138
413	2013/04/17 15:14:56	0.136	0.138	0.138
414	2013/04/17 15:15:56	0.137	0.140	0.136
415	2013/04/17 15:16:56	0.136	0.138	0.138
416	2013/04/17 15:17:56	0.138	0.141	0.139
417	2013/04/17 15:18:56	0.139	0.141	0.140
418	2013/04/17 15:19:56	0.139	0.141	0.140
419	2013/04/17 15:20:56	0.140	0.141	0.141
420	2013/04/17 15:21:56	0.140	0.142	0.141
421	2013/04/17 15:22:56	0.141	0.143	0.140
422	2013/04/17 15:23:56	0.140	0.145	0.139
423	2013/04/17 15:24:56	0.140	0.142	0.141
424	2013/04/17 15:25:56	0.141	0.146	0.144
425	2013/04/17 15:26:56	0.142	0.145	0.140
426	2013/04/17 15:27:56	0.139	0.143	0.142
427	2013/04/17 15:28:56	0.139	0.141	0.139
428	2013/04/17 15:29:56	0.139	0.142	0.141
429	2013/04/17 15:30:56	0.137	0.142	0.137
430	2013/04/17 15:31:56	0.138	0.142	0.142
431	2013/04/17 15:32:56	0.141	0.143	0.143
432	2013/04/17 15:33:56	0.141	0.143	0.143
433	2013/04/17 15:34:56	0.143	0.153	0.141
434	2013/04/17 15:35:56	0.141	0.143	0.141
435	2013/04/17 15:36:56	0.139	0.143	0.139
436	2013/04/17 15:37:56	0.138	0.140	0.138
437	2013/04/17 15:38:56	0.139	0.140	0.139
438	2013/04/17 15:39:56	0.140	0.142	0.140
439	2013/04/17 15:40:56	0.139	0.142	0.139
440	2013/04/17 15:41:56	0.139	0.140	0.139
441	2013/04/17 15:42:56	0.141	0.144	0.143
442	2013/04/17 15:43:56	0.141	0.143	0.143
443	2013/04/17 15:44:56	0.139	0.142	0.140
444	2013/04/17 15:45:56	0.139	0.142	0.140
445	2013/04/17 15:46:56	0.140	0.142	0.141
446	2013/04/17 15:47:56	0.140	0.142	0.141
447	2013/04/17 15:48:56	0.141	0.143	0.142
448	2013/04/17 15:49:56	0.141	0.143	0.142
449	2013/04/17 15:50:56	0.142	0.145	0.141
450	2013/04/17 15:51:56	0.141	0.143	0.142
451	2013/04/17 15:52:56	0.143	0.145	0.144
452	2013/04/17 15:53:56	0.143	0.144	0.142
453	2013/04/17 15:54:56	0.142	0.144	0.143
454	2013/04/17 15:55:56	0.142	0.143	0.142
455	2013/04/17 15:56:56	0.143	0.144	0.144
456	2013/04/17 15:57:56	0.144	0.145	0.145
457	2013/04/17 15:58:56	0.144	0.145	0.143
458	2013/04/17 15:59:56	0.144	0.145	0.145
459	2013/04/17 16:00:56	0.146	0.151	0.145
460	2013/04/17 16:01:56	0.143	0.145	0.143
461	2013/04/17 16:02:56	0.143	0.144	0.142
462	2013/04/17 16:03:56	0.144	0.147	0.146
463	2013/04/17 16:04:56	0.147	0.150	0.150
464	2013/04/17 16:05:56	0.146	0.150	0.144
465	2013/04/17 16:06:56	0.144	0.145	0.142
466	2013/04/17 16:07:56	0.143	0.144	0.144

467	2013/04/17 16:08:56	0.144	0.145	0.144
468	2013/04/17 16:09:56	0.144	0.146	0.144
469	2013/04/17 16:10:56	0.146	0.162	0.160
470	2013/04/17 16:11:56	0.147	0.157	0.146
471	2013/04/17 16:12:56	0.146	0.149	0.149
472	2013/04/17 16:13:56	0.147	0.150	0.148
473	2013/04/17 16:14:56	0.156	0.187	0.155
474	2013/04/17 16:15:56	0.149	0.154	0.146
475	2013/04/17 16:16:56	0.146	0.148	0.146
476	2013/04/17 16:17:56	0.147	0.151	0.148
477	2013/04/17 16:18:56	0.147	0.151	0.150
478	2013/04/17 16:19:56	0.147	0.150	0.147
479	2013/04/17 16:20:56	0.147	0.148	0.148
480	2013/04/17 16:21:56	0.147	0.149	0.147
481	2013/04/17 16:22:56	0.146	0.148	0.145
482	2013/04/17 16:23:56	0.145	0.147	0.145
483	2013/04/17 16:24:56	0.145	0.147	0.147
484	2013/04/17 16:25:56	0.145	0.149	0.144
485	2013/04/17 16:26:56	0.144	0.148	0.145
486	2013/04/17 16:27:56	0.143	0.147	0.142
487	2013/04/17 16:28:56	0.141	0.143	0.142
488	2013/04/17 16:29:56	0.142	0.145	0.143
489	2013/04/17 16:30:56	0.141	0.143	0.142
490	2013/04/17 16:31:56	0.142	0.146	0.146
491	2013/04/17 16:32:56	0.143	0.152	0.147
492	2013/04/17 16:33:56	0.141	0.144	0.143
493	2013/04/17 16:34:56	0.142	0.144	0.143
494	2013/04/17 16:35:56	0.142	0.143	0.143
495	2013/04/17 16:36:56	0.143	0.144	0.143
496	2013/04/17 16:37:56	0.142	0.144	0.144
497	2013/04/17 16:38:56	0.141	0.143	0.141
498	2013/04/17 16:39:56	0.142	0.145	0.143
499	2013/04/17 16:40:56	0.143	0.147	0.143
500	2013/04/17 16:41:56	0.143	0.144	0.143
501	2013/04/17 16:42:56	0.143	0.149	0.144
502	2013/04/17 16:43:56	0.141	0.145	0.142
503	2013/04/17 16:44:56	0.141	0.143	0.141
504	2013/04/17 16:45:56	0.141	0.144	0.142
505	2013/04/17 16:46:56	0.141	0.142	0.142
506	2013/04/17 16:47:56	0.142	0.143	0.142
507	2013/04/17 16:48:56	0.142	0.144	0.144
508	2013/04/17 16:49:56	0.140	0.146	0.140
509	2013/04/17 16:50:56	0.143	0.148	0.141
510	2013/04/17 16:51:56	0.141	0.144	0.139
511	2013/04/17 16:52:56	0.140	0.141	0.140
512	2013/04/17 16:53:56	0.139	0.141	0.140
Peak		0.172	0.354	0.173
Min		0.000	0.000	0.000
Average		0.135	0.139	0.135

****

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/17 08:22:56	0.000	---
002	2013/04/17 08:23:56	0.000	---
003	2013/04/17 08:24:56	0.000	---
004	2013/04/17 08:25:56	0.000	---
005	2013/04/17 08:26:56	0.000	---
006	2013/04/17 08:27:56	0.000	---
007	2013/04/17 08:28:56	0.000	---
008	2013/04/17 08:29:56	0.000	---
009	2013/04/17 08:30:56	0.000	---

010	2013/04/17 08:31:56	0.000	---
011	2013/04/17 08:32:56	0.000	---
012	2013/04/17 08:33:56	0.000	---
013	2013/04/17 08:34:56	0.000	---
014	2013/04/17 08:35:56	0.000	---
015	2013/04/17 08:36:56	0.000	0.004
016	2013/04/17 08:37:56	0.000	0.006
017	2013/04/17 08:38:56	0.000	0.008
018	2013/04/17 08:39:56	0.000	0.009
019	2013/04/17 08:40:56	0.000	0.011
020	2013/04/17 08:41:56	0.000	0.013
021	2013/04/17 08:42:56	0.000	0.015
022	2013/04/17 08:43:56	0.001	0.016
023	2013/04/17 08:44:56	0.001	0.019
024	2013/04/17 08:45:56	0.001	0.022
025	2013/04/17 08:46:56	0.001	0.025
026	2013/04/17 08:47:56	0.001	0.027
027	2013/04/17 08:48:56	0.001	0.030
028	2013/04/17 08:49:56	0.001	0.033
029	2013/04/17 08:50:56	0.001	0.035
030	2013/04/17 08:51:56	0.001	0.038
031	2013/04/17 08:52:56	0.001	0.040
032	2013/04/17 08:53:56	0.002	0.042
033	2013/04/17 08:54:56	0.002	0.045
034	2013/04/17 08:55:56	0.002	0.048
035	2013/04/17 08:56:56	0.002	0.050
036	2013/04/17 08:57:56	0.002	0.052
037	2013/04/17 08:58:56	0.002	0.055
038	2013/04/17 08:59:56	0.002	0.056
039	2013/04/17 09:00:56	0.003	0.058
040	2013/04/17 09:01:56	0.003	0.060
041	2013/04/17 09:02:56	0.003	0.062
042	2013/04/17 09:03:56	0.003	0.064
043	2013/04/17 09:04:56	0.003	0.067
044	2013/04/17 09:05:56	0.003	0.069
045	2013/04/17 09:06:56	0.004	0.071
046	2013/04/17 09:07:56	0.004	0.073
047	2013/04/17 09:08:56	0.004	0.075
048	2013/04/17 09:09:56	0.004	0.077
049	2013/04/17 09:10:56	0.004	0.079
050	2013/04/17 09:11:56	0.004	0.081
051	2013/04/17 09:12:56	0.005	0.083
052	2013/04/17 09:13:56	0.005	0.085
053	2013/04/17 09:14:56	0.005	0.087
054	2013/04/17 09:15:56	0.005	0.089
055	2013/04/17 09:16:56	0.006	0.091
056	2013/04/17 09:17:56	0.006	0.093
057	2013/04/17 09:18:56	0.006	0.095
058	2013/04/17 09:19:56	0.006	0.096
059	2013/04/17 09:20:56	0.006	0.098
060	2013/04/17 09:21:56	0.007	0.100
061	2013/04/17 09:22:56	0.007	0.101
062	2013/04/17 09:23:56	0.007	0.103
063	2013/04/17 09:24:56	0.007	0.104
064	2013/04/17 09:25:56	0.008	0.105
065	2013/04/17 09:26:56	0.008	0.106
066	2013/04/17 09:27:56	0.008	0.108
067	2013/04/17 09:28:56	0.008	0.109
068	2013/04/17 09:29:56	0.009	0.110
069	2013/04/17 09:30:56	0.009	0.111
070	2013/04/17 09:31:56	0.009	0.112
071	2013/04/17 09:32:56	0.009	0.113
072	2013/04/17 09:33:56	0.010	0.114

073	2013/04/17 09:34:56	0.010	0.115
074	2013/04/17 09:35:56	0.010	0.116
075	2013/04/17 09:36:56	0.010	0.117
076	2013/04/17 09:37:56	0.011	0.118
077	2013/04/17 09:38:56	0.011	0.119
078	2013/04/17 09:39:56	0.011	0.121
079	2013/04/17 09:40:56	0.011	0.123
080	2013/04/17 09:41:56	0.012	0.124
081	2013/04/17 09:42:56	0.012	0.125
082	2013/04/17 09:43:56	0.012	0.126
083	2013/04/17 09:44:56	0.013	0.128
084	2013/04/17 09:45:56	0.013	0.129
085	2013/04/17 09:46:56	0.013	0.130
086	2013/04/17 09:47:56	0.013	0.130
087	2013/04/17 09:48:56	0.014	0.131
088	2013/04/17 09:49:56	0.014	0.132
089	2013/04/17 09:50:56	0.014	0.132
090	2013/04/17 09:51:56	0.014	0.133
091	2013/04/17 09:52:56	0.015	0.134
092	2013/04/17 09:53:56	0.015	0.134
093	2013/04/17 09:54:56	0.015	0.134
094	2013/04/17 09:55:56	0.016	0.134
095	2013/04/17 09:56:56	0.016	0.135
096	2013/04/17 09:57:56	0.016	0.135
097	2013/04/17 09:58:56	0.016	0.135
098	2013/04/17 09:59:56	0.017	0.135
099	2013/04/17 10:00:56	0.017	0.135
100	2013/04/17 10:01:56	0.017	0.136
101	2013/04/17 10:02:56	0.018	0.136
102	2013/04/17 10:03:56	0.018	0.137
103	2013/04/17 10:04:56	0.018	0.137
104	2013/04/17 10:05:56	0.018	0.137
105	2013/04/17 10:06:56	0.019	0.137
106	2013/04/17 10:07:56	0.019	0.138
107	2013/04/17 10:08:56	0.019	0.138
108	2013/04/17 10:09:56	0.020	0.138
109	2013/04/17 10:10:56	0.020	0.139
110	2013/04/17 10:11:56	0.020	0.139
111	2013/04/17 10:12:56	0.021	0.139
112	2013/04/17 10:13:56	0.021	0.139
113	2013/04/17 10:14:56	0.021	0.139
114	2013/04/17 10:15:56	0.021	0.139
115	2013/04/17 10:16:56	0.022	0.139
116	2013/04/17 10:17:56	0.022	0.139
117	2013/04/17 10:18:56	0.022	0.140
118	2013/04/17 10:19:56	0.023	0.140
119	2013/04/17 10:20:56	0.023	0.140
120	2013/04/17 10:21:56	0.023	0.141
121	2013/04/17 10:22:56	0.023	0.141
122	2013/04/17 10:23:56	0.024	0.141
123	2013/04/17 10:24:56	0.024	0.142
124	2013/04/17 10:25:56	0.024	0.142
125	2013/04/17 10:26:56	0.025	0.143
126	2013/04/17 10:27:56	0.025	0.144
127	2013/04/17 10:28:56	0.025	0.145
128	2013/04/17 10:29:56	0.026	0.145
129	2013/04/17 10:30:56	0.026	0.146
130	2013/04/17 10:31:56	0.026	0.147
131	2013/04/17 10:32:56	0.027	0.149
132	2013/04/17 10:33:56	0.027	0.150
133	2013/04/17 10:34:56	0.027	0.151
134	2013/04/17 10:35:56	0.028	0.152
135	2013/04/17 10:36:56	0.028	0.153

136	2013/04/17 10:37:56	0.028	0.154
137	2013/04/17 10:38:56	0.029	0.155
138	2013/04/17 10:39:56	0.029	0.156
139	2013/04/17 10:40:56	0.029	0.156
140	2013/04/17 10:41:56	0.030	0.157
141	2013/04/17 10:42:56	0.030	0.157
142	2013/04/17 10:43:56	0.030	0.158
143	2013/04/17 10:44:56	0.031	0.158
144	2013/04/17 10:45:56	0.031	0.158
145	2013/04/17 10:46:56	0.031	0.158
146	2013/04/17 10:47:56	0.032	0.157
147	2013/04/17 10:48:56	0.032	0.157
148	2013/04/17 10:49:56	0.032	0.156
149	2013/04/17 10:50:56	0.032	0.156
150	2013/04/17 10:51:56	0.033	0.155
151	2013/04/17 10:52:56	0.033	0.154
152	2013/04/17 10:53:56	0.033	0.154
153	2013/04/17 10:54:56	0.034	0.153
154	2013/04/17 10:55:56	0.034	0.152
155	2013/04/17 10:56:56	0.034	0.151
156	2013/04/17 10:57:56	0.035	0.151
157	2013/04/17 10:58:56	0.035	0.150
158	2013/04/17 10:59:56	0.035	0.150
159	2013/04/17 11:00:56	0.036	0.149
160	2013/04/17 11:01:56	0.036	0.149
161	2013/04/17 11:02:56	0.036	0.148
162	2013/04/17 11:03:56	0.036	0.148
163	2013/04/17 11:04:56	0.037	0.148
164	2013/04/17 11:05:56	0.037	0.148
165	2013/04/17 11:06:56	0.037	0.147
166	2013/04/17 11:07:56	0.038	0.147
167	2013/04/17 11:08:56	0.038	0.147
168	2013/04/17 11:09:56	0.038	0.147
169	2013/04/17 11:10:56	0.039	0.147
170	2013/04/17 11:11:56	0.039	0.147
171	2013/04/17 11:12:56	0.039	0.147
172	2013/04/17 11:13:56	0.040	0.148
173	2013/04/17 11:14:56	0.040	0.147
174	2013/04/17 11:15:56	0.040	0.147
175	2013/04/17 11:16:56	0.040	0.147
176	2013/04/17 11:17:56	0.041	0.147
177	2013/04/17 11:18:56	0.041	0.148
178	2013/04/17 11:19:56	0.041	0.148
179	2013/04/17 11:20:56	0.042	0.148
180	2013/04/17 11:21:56	0.042	0.148
181	2013/04/17 11:22:56	0.042	0.148
182	2013/04/17 11:23:56	0.043	0.148
183	2013/04/17 11:24:56	0.043	0.148
184	2013/04/17 11:25:56	0.043	0.148
185	2013/04/17 11:26:56	0.044	0.148
186	2013/04/17 11:27:56	0.044	0.148
187	2013/04/17 11:28:56	0.044	0.148
188	2013/04/17 11:29:56	0.044	0.148
189	2013/04/17 11:30:56	0.045	0.148
190	2013/04/17 11:31:56	0.045	0.148
191	2013/04/17 11:32:56	0.045	0.148
192	2013/04/17 11:33:56	0.046	0.148
193	2013/04/17 11:34:56	0.046	0.148
194	2013/04/17 11:35:56	0.046	0.149
195	2013/04/17 11:36:56	0.047	0.149
196	2013/04/17 11:37:56	0.047	0.149
197	2013/04/17 11:38:56	0.047	0.149
198	2013/04/17 11:39:56	0.048	0.150

199	2013/04/17 11:40:56	0.048	0.150
200	2013/04/17 11:41:56	0.048	0.151
201	2013/04/17 11:42:56	0.049	0.151
202	2013/04/17 11:43:56	0.049	0.151
203	2013/04/17 11:44:56	0.049	0.152
204	2013/04/17 11:45:56	0.050	0.152
205	2013/04/17 11:46:56	0.050	0.153
206	2013/04/17 11:47:56	0.050	0.154
207	2013/04/17 11:48:56	0.051	0.154
208	2013/04/17 11:49:56	0.051	0.155
209	2013/04/17 11:50:56	0.051	0.155
210	2013/04/17 11:51:56	0.052	0.156
211	2013/04/17 11:52:56	0.052	0.157
212	2013/04/17 11:53:56	0.052	0.158
213	2013/04/17 11:54:56	0.053	0.158
214	2013/04/17 11:55:56	0.053	0.158
215	2013/04/17 11:56:56	0.053	0.159
216	2013/04/17 11:57:56	0.054	0.159
217	2013/04/17 11:58:56	0.054	0.159
218	2013/04/17 11:59:56	0.054	0.160
219	2013/04/17 12:00:56	0.055	0.160
220	2013/04/17 12:01:56	0.055	0.160
221	2013/04/17 12:02:56	0.055	0.161
222	2013/04/17 12:03:56	0.056	0.161
223	2013/04/17 12:04:56	0.056	0.162
224	2013/04/17 12:05:56	0.056	0.162
225	2013/04/17 12:06:56	0.057	0.162
226	2013/04/17 12:07:56	0.057	0.162
227	2013/04/17 12:08:56	0.057	0.162
228	2013/04/17 12:09:56	0.058	0.162
229	2013/04/17 12:10:56	0.058	0.162
230	2013/04/17 12:11:56	0.058	0.162
231	2013/04/17 12:12:56	0.059	0.163
232	2013/04/17 12:13:56	0.059	0.163
233	2013/04/17 12:14:56	0.059	0.163
234	2013/04/17 12:15:56	0.060	0.164
235	2013/04/17 12:16:56	0.060	0.164
236	2013/04/17 12:17:56	0.060	0.164
237	2013/04/17 12:18:56	0.061	0.164
238	2013/04/17 12:19:56	0.061	0.164
239	2013/04/17 12:20:56	0.061	0.163
240	2013/04/17 12:21:56	0.062	0.163
241	2013/04/17 12:22:56	0.062	0.163
242	2013/04/17 12:23:56	0.062	0.162
243	2013/04/17 12:24:56	0.063	0.162
244	2013/04/17 12:25:56	0.063	0.162
245	2013/04/17 12:26:56	0.063	0.162
246	2013/04/17 12:27:56	0.064	0.161
247	2013/04/17 12:28:56	0.064	0.161
248	2013/04/17 12:29:56	0.064	0.162
249	2013/04/17 12:30:56	0.065	0.161
250	2013/04/17 12:31:56	0.065	0.161
251	2013/04/17 12:32:56	0.065	0.161
252	2013/04/17 12:33:56	0.066	0.161
253	2013/04/17 12:34:56	0.066	0.161
254	2013/04/17 12:35:56	0.066	0.161
255	2013/04/17 12:36:56	0.067	0.161
256	2013/04/17 12:37:56	0.067	0.161
257	2013/04/17 12:38:56	0.067	0.161
258	2013/04/17 12:39:56	0.068	0.160
259	2013/04/17 12:40:56	0.068	0.159
260	2013/04/17 12:41:56	0.068	0.159
261	2013/04/17 12:42:56	0.069	0.158

262	2013/04/17 12:43:56	0.069	0.157
263	2013/04/17 12:44:56	0.069	0.156
264	2013/04/17 12:45:56	0.070	0.155
265	2013/04/17 12:46:56	0.070	0.155
266	2013/04/17 12:47:56	0.070	0.154
267	2013/04/17 12:48:56	0.070	0.152
268	2013/04/17 12:49:56	0.071	0.151
269	2013/04/17 12:50:56	0.071	0.150
270	2013/04/17 12:51:56	0.071	0.149
271	2013/04/17 12:52:56	0.072	0.148
272	2013/04/17 12:53:56	0.072	0.147
273	2013/04/17 12:54:56	0.072	0.147
274	2013/04/17 12:55:56	0.073	0.146
275	2013/04/17 12:56:56	0.073	0.145
276	2013/04/17 12:57:56	0.073	0.145
277	2013/04/17 12:58:56	0.073	0.144
278	2013/04/17 12:59:56	0.074	0.144
279	2013/04/17 13:00:56	0.074	0.143
280	2013/04/17 13:01:56	0.074	0.142
281	2013/04/17 13:02:56	0.075	0.142
282	2013/04/17 13:03:56	0.075	0.141
283	2013/04/17 13:04:56	0.075	0.142
284	2013/04/17 13:05:56	0.076	0.142
285	2013/04/17 13:06:56	0.076	0.142
286	2013/04/17 13:07:56	0.076	0.142
287	2013/04/17 13:08:56	0.076	0.142
288	2013/04/17 13:09:56	0.077	0.142
289	2013/04/17 13:10:56	0.077	0.143
290	2013/04/17 13:11:56	0.077	0.143
291	2013/04/17 13:12:56	0.078	0.143
292	2013/04/17 13:13:56	0.078	0.143
293	2013/04/17 13:14:56	0.078	0.143
294	2013/04/17 13:15:56	0.078	0.143
295	2013/04/17 13:16:56	0.079	0.143
296	2013/04/17 13:17:56	0.079	0.142
297	2013/04/17 13:18:56	0.079	0.141
298	2013/04/17 13:19:56	0.080	0.140
299	2013/04/17 13:20:56	0.080	0.140
300	2013/04/17 13:21:56	0.080	0.139
301	2013/04/17 13:22:56	0.080	0.138
302	2013/04/17 13:23:56	0.081	0.137
303	2013/04/17 13:24:56	0.081	0.136
304	2013/04/17 13:25:56	0.081	0.135
305	2013/04/17 13:26:56	0.082	0.134
306	2013/04/17 13:27:56	0.082	0.134
307	2013/04/17 13:28:56	0.082	0.134
308	2013/04/17 13:29:56	0.082	0.134
309	2013/04/17 13:30:56	0.083	0.134
310	2013/04/17 13:31:56	0.083	0.135
311	2013/04/17 13:32:56	0.083	0.136
312	2013/04/17 13:33:56	0.084	0.136
313	2013/04/17 13:34:56	0.084	0.137
314	2013/04/17 13:35:56	0.084	0.138
315	2013/04/17 13:36:56	0.085	0.139
316	2013/04/17 13:37:56	0.085	0.140
317	2013/04/17 13:38:56	0.085	0.142
318	2013/04/17 13:39:56	0.085	0.144
319	2013/04/17 13:40:56	0.086	0.145
320	2013/04/17 13:41:56	0.086	0.146
321	2013/04/17 13:42:56	0.086	0.146
322	2013/04/17 13:43:56	0.087	0.147
323	2013/04/17 13:44:56	0.087	0.148
324	2013/04/17 13:45:56	0.087	0.148

325	2013/04/17 13:46:56	0.088	0.148
326	2013/04/17 13:47:56	0.088	0.149
327	2013/04/17 13:48:56	0.088	0.149
328	2013/04/17 13:49:56	0.089	0.149
329	2013/04/17 13:50:56	0.089	0.149
330	2013/04/17 13:51:56	0.089	0.149
331	2013/04/17 13:52:56	0.089	0.149
332	2013/04/17 13:53:56	0.090	0.149
333	2013/04/17 13:54:56	0.090	0.149
334	2013/04/17 13:55:56	0.090	0.149
335	2013/04/17 13:56:56	0.091	0.149
336	2013/04/17 13:57:56	0.091	0.150
337	2013/04/17 13:58:56	0.091	0.150
338	2013/04/17 13:59:56	0.092	0.150
339	2013/04/17 14:00:56	0.092	0.150
340	2013/04/17 14:01:56	0.092	0.150
341	2013/04/17 14:02:56	0.093	0.150
342	2013/04/17 14:03:56	0.093	0.151
343	2013/04/17 14:04:56	0.093	0.151
344	2013/04/17 14:05:56	0.094	0.152
345	2013/04/17 14:06:56	0.094	0.152
346	2013/04/17 14:07:56	0.094	0.152
347	2013/04/17 14:08:56	0.095	0.151
348	2013/04/17 14:09:56	0.095	0.152
349	2013/04/17 14:10:56	0.095	0.152
350	2013/04/17 14:11:56	0.095	0.151
351	2013/04/17 14:12:56	0.096	0.151
352	2013/04/17 14:13:56	0.096	0.152
353	2013/04/17 14:14:56	0.096	0.152
354	2013/04/17 14:15:56	0.097	0.152
355	2013/04/17 14:16:56	0.097	0.152
356	2013/04/17 14:17:56	0.097	0.152
357	2013/04/17 14:18:56	0.098	0.151
358	2013/04/17 14:19:56	0.098	0.151
359	2013/04/17 14:20:56	0.098	0.151
360	2013/04/17 14:21:56	0.099	0.150
361	2013/04/17 14:22:56	0.099	0.150
362	2013/04/17 14:23:56	0.099	0.151
363	2013/04/17 14:24:56	0.100	0.150
364	2013/04/17 14:25:56	0.100	0.150
365	2013/04/17 14:26:56	0.100	0.150
366	2013/04/17 14:27:56	0.100	0.150
367	2013/04/17 14:28:56	0.101	0.149
368	2013/04/17 14:29:56	0.101	0.149
369	2013/04/17 14:30:56	0.101	0.149
370	2013/04/17 14:31:56	0.102	0.148
371	2013/04/17 14:32:56	0.102	0.148
372	2013/04/17 14:33:56	0.102	0.148
373	2013/04/17 14:34:56	0.103	0.148
374	2013/04/17 14:35:56	0.103	0.148
375	2013/04/17 14:36:56	0.103	0.148
376	2013/04/17 14:37:56	0.104	0.149
377	2013/04/17 14:38:56	0.104	0.149
378	2013/04/17 14:39:56	0.104	0.149
379	2013/04/17 14:40:56	0.104	0.149
380	2013/04/17 14:41:56	0.105	0.149
381	2013/04/17 14:42:56	0.105	0.149
382	2013/04/17 14:43:56	0.105	0.149
383	2013/04/17 14:44:56	0.106	0.149
384	2013/04/17 14:45:56	0.106	0.150
385	2013/04/17 14:46:56	0.106	0.150
386	2013/04/17 14:47:56	0.107	0.150
387	2013/04/17 14:48:56	0.107	0.150

388	2013/04/17 14:49:56	0.107	0.150
389	2013/04/17 14:50:56	0.108	0.150
390	2013/04/17 14:51:56	0.108	0.150
391	2013/04/17 14:52:56	0.108	0.150
392	2013/04/17 14:53:56	0.109	0.150
393	2013/04/17 14:54:56	0.109	0.150
394	2013/04/17 14:55:56	0.109	0.150
395	2013/04/17 14:56:56	0.109	0.149
396	2013/04/17 14:57:56	0.110	0.149
397	2013/04/17 14:58:56	0.110	0.149
398	2013/04/17 14:59:56	0.110	0.149
399	2013/04/17 15:00:56	0.111	0.148
400	2013/04/17 15:01:56	0.111	0.147
401	2013/04/17 15:02:56	0.111	0.147
402	2013/04/17 15:03:56	0.112	0.147
403	2013/04/17 15:04:56	0.112	0.146
404	2013/04/17 15:05:56	0.112	0.146
405	2013/04/17 15:06:56	0.112	0.145
406	2013/04/17 15:07:56	0.113	0.145
407	2013/04/17 15:08:56	0.113	0.144
408	2013/04/17 15:09:56	0.113	0.143
409	2013/04/17 15:10:56	0.114	0.142
410	2013/04/17 15:11:56	0.114	0.142
411	2013/04/17 15:12:56	0.114	0.142
412	2013/04/17 15:13:56	0.114	0.141
413	2013/04/17 15:14:56	0.115	0.141
414	2013/04/17 15:15:56	0.115	0.140
415	2013/04/17 15:16:56	0.115	0.140
416	2013/04/17 15:17:56	0.116	0.139
417	2013/04/17 15:18:56	0.116	0.139
418	2013/04/17 15:19:56	0.116	0.139
419	2013/04/17 15:20:56	0.117	0.139
420	2013/04/17 15:21:56	0.117	0.139
421	2013/04/17 15:22:56	0.117	0.139
422	2013/04/17 15:23:56	0.117	0.139
423	2013/04/17 15:24:56	0.118	0.139
424	2013/04/17 15:25:56	0.118	0.140
425	2013/04/17 15:26:56	0.118	0.140
426	2013/04/17 15:27:56	0.119	0.140
427	2013/04/17 15:28:56	0.119	0.140
428	2013/04/17 15:29:56	0.119	0.140
429	2013/04/17 15:30:56	0.119	0.140
430	2013/04/17 15:31:56	0.120	0.140
431	2013/04/17 15:32:56	0.120	0.141
432	2013/04/17 15:33:56	0.120	0.141
433	2013/04/17 15:34:56	0.121	0.141
434	2013/04/17 15:35:56	0.121	0.141
435	2013/04/17 15:36:56	0.121	0.141
436	2013/04/17 15:37:56	0.122	0.141
437	2013/04/17 15:38:56	0.122	0.141
438	2013/04/17 15:39:56	0.122	0.141
439	2013/04/17 15:40:56	0.122	0.140
440	2013/04/17 15:41:56	0.123	0.140
441	2013/04/17 15:42:56	0.123	0.140
442	2013/04/17 15:43:56	0.123	0.141
443	2013/04/17 15:44:56	0.124	0.140
444	2013/04/17 15:45:56	0.124	0.141
445	2013/04/17 15:46:56	0.124	0.141
446	2013/04/17 15:47:56	0.124	0.140
447	2013/04/17 15:48:56	0.125	0.140
448	2013/04/17 15:49:56	0.125	0.140
449	2013/04/17 15:50:56	0.125	0.140
450	2013/04/17 15:51:56	0.126	0.141

451	2013/04/17 15:52:56	0.126	0.141
452	2013/04/17 15:53:56	0.126	0.141
453	2013/04/17 15:54:56	0.127	0.141
454	2013/04/17 15:55:56	0.127	0.142
455	2013/04/17 15:56:56	0.127	0.142
456	2013/04/17 15:57:56	0.127	0.142
457	2013/04/17 15:58:56	0.128	0.142
458	2013/04/17 15:59:56	0.128	0.142
459	2013/04/17 16:00:56	0.128	0.143
460	2013/04/17 16:01:56	0.129	0.143
461	2013/04/17 16:02:56	0.129	0.143
462	2013/04/17 16:03:56	0.129	0.143
463	2013/04/17 16:04:56	0.130	0.144
464	2013/04/17 16:05:56	0.130	0.144
465	2013/04/17 16:06:56	0.130	0.144
466	2013/04/17 16:07:56	0.130	0.144
467	2013/04/17 16:08:56	0.131	0.144
468	2013/04/17 16:09:56	0.131	0.144
469	2013/04/17 16:10:56	0.131	0.145
470	2013/04/17 16:11:56	0.132	0.146
471	2013/04/17 16:12:56	0.132	0.146
472	2013/04/17 16:13:56	0.132	0.146
473	2013/04/17 16:14:56	0.133	0.147
474	2013/04/17 16:15:56	0.133	0.147
475	2013/04/17 16:16:56	0.133	0.147
476	2013/04/17 16:17:56	0.134	0.147
477	2013/04/17 16:18:56	0.134	0.148
478	2013/04/17 16:19:56	0.134	0.148
479	2013/04/17 16:20:56	0.134	0.148
480	2013/04/17 16:21:56	0.135	0.148
481	2013/04/17 16:22:56	0.135	0.148
482	2013/04/17 16:23:56	0.135	0.148
483	2013/04/17 16:24:56	0.136	0.148
484	2013/04/17 16:25:56	0.136	0.147
485	2013/04/17 16:26:56	0.136	0.147
486	2013/04/17 16:27:56	0.137	0.147
487	2013/04/17 16:28:56	0.137	0.146
488	2013/04/17 16:29:56	0.137	0.146
489	2013/04/17 16:30:56	0.137	0.145
490	2013/04/17 16:31:56	0.138	0.145
491	2013/04/17 16:32:56	0.138	0.145
492	2013/04/17 16:33:56	0.138	0.145
493	2013/04/17 16:34:56	0.139	0.145
494	2013/04/17 16:35:56	0.139	0.144
495	2013/04/17 16:36:56	0.139	0.144
496	2013/04/17 16:37:56	0.140	0.144
497	2013/04/17 16:38:56	0.140	0.144
498	2013/04/17 16:39:56	0.140	0.143
499	2013/04/17 16:40:56	0.140	0.143
500	2013/04/17 16:41:56	0.141	0.143
501	2013/04/17 16:42:56	0.141	0.143
502	2013/04/17 16:43:56	0.141	0.143
503	2013/04/17 16:44:56	0.142	0.143
504	2013/04/17 16:45:56	0.142	0.143
505	2013/04/17 16:46:56	0.142	0.143
506	2013/04/17 16:47:56	0.143	0.143
507	2013/04/17 16:48:56	0.143	0.143
508	2013/04/17 16:49:56	0.143	0.142
509	2013/04/17 16:50:56	0.143	0.142
510	2013/04/17 16:51:56	0.144	0.142
511	2013/04/17 16:52:56	0.144	0.142
512	2013/04/17 16:53:56	0.144	0.142

13/04/18 08:16

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909735
Unit Firmware Ver V1.20

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/18 08:16:37
End 2013/04/18 17:51:51
Sample Period(s) 60
Number of Records 575

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/16 08:28
Peak 0.212
Min 0.003
Average 0.122

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2013/04/18 08:17:37	0.002	0.004	0.003	
002	2013/04/18 08:18:37	0.003	0.005	0.005	
003	2013/04/18 08:19:37	0.005	0.006	0.005	
004	2013/04/18 08:20:37	0.005	0.007	0.007	
005	2013/04/18 08:21:37	0.007	0.008	0.008	
006	2013/04/18 08:22:37	0.008	0.010	0.009	
007	2013/04/18 08:23:37	0.010	0.012	0.010	
008	2013/04/18 08:24:37	0.011	0.013	0.013	
009	2013/04/18 08:25:37	0.013	0.014	0.013	
010	2013/04/18 08:26:37	0.013	0.015	0.015	
011	2013/04/18 08:27:37	0.015	0.016	0.016	
012	2013/04/18 08:28:37	0.016	0.018	0.017	
013	2013/04/18 08:29:37	0.017	0.019	0.018	
014	2013/04/18 08:30:37	0.019	0.021	0.020	
015	2013/04/18 08:31:37	0.021	0.023	0.022	
016	2013/04/18 08:32:37	0.023	0.024	0.023	
017	2013/04/18 08:33:37	0.024	0.025	0.024	
018	2013/04/18 08:34:37	0.025	0.027	0.027	
019	2013/04/18 08:35:37	0.026	0.027	0.027	
020	2013/04/18 08:36:37	0.027	0.028	0.027	
021	2013/04/18 08:37:37	0.028	0.029	0.029	
022	2013/04/18 08:38:37	0.029	0.032	0.032	

023	2013/04/18	08:39:37	0.031	0.033	0.032
024	2013/04/18	08:40:37	0.033	0.034	0.034
025	2013/04/18	08:41:37	0.034	0.035	0.034
026	2013/04/18	08:42:37	0.034	0.036	0.036
027	2013/04/18	08:43:37	0.036	0.037	0.037
028	2013/04/18	08:44:37	0.037	0.038	0.038
029	2013/04/18	08:45:37	0.038	0.039	0.039
030	2013/04/18	08:46:37	0.039	0.041	0.040
031	2013/04/18	08:47:37	0.040	0.042	0.042
032	2013/04/18	08:48:37	0.041	0.043	0.043
033	2013/04/18	08:49:37	0.043	0.045	0.045
034	2013/04/18	08:50:37	0.045	0.047	0.047
035	2013/04/18	08:51:37	0.046	0.048	0.048
036	2013/04/18	08:52:37	0.047	0.049	0.048
037	2013/04/18	08:53:37	0.047	0.049	0.048
038	2013/04/18	08:54:37	0.048	0.050	0.050
039	2013/04/18	08:55:37	0.049	0.051	0.050
040	2013/04/18	08:56:37	0.050	0.051	0.051
041	2013/04/18	08:57:37	0.051	0.052	0.052
042	2013/04/18	08:58:37	0.052	0.054	0.053
043	2013/04/18	08:59:37	0.053	0.054	0.054
044	2013/04/18	09:00:37	0.054	0.056	0.055
045	2013/04/18	09:01:37	0.054	0.056	0.055
046	2013/04/18	09:02:37	0.056	0.058	0.058
047	2013/04/18	09:03:37	0.057	0.058	0.058
048	2013/04/18	09:04:37	0.058	0.060	0.058
049	2013/04/18	09:05:37	0.058	0.060	0.059
050	2013/04/18	09:06:37	0.066	0.132	0.059
051	2013/04/18	09:07:37	0.059	0.061	0.061
052	2013/04/18	09:08:37	0.061	0.062	0.061
053	2013/04/18	09:09:37	0.062	0.063	0.062
054	2013/04/18	09:10:37	0.062	0.064	0.063
055	2013/04/18	09:11:37	0.063	0.065	0.064
056	2013/04/18	09:12:37	0.064	0.065	0.065
057	2013/04/18	09:13:37	0.065	0.066	0.066
058	2013/04/18	09:14:37	0.065	0.066	0.066
059	2013/04/18	09:15:37	0.066	0.067	0.067
060	2013/04/18	09:16:37	0.067	0.075	0.075
061	2013/04/18	09:17:37	0.132	0.252	0.114
062	2013/04/18	09:18:37	0.070	0.100	0.071
063	2013/04/18	09:19:37	0.079	0.150	0.068
064	2013/04/18	09:20:37	0.069	0.074	0.073
065	2013/04/18	09:21:37	0.073	0.076	0.072
066	2013/04/18	09:22:37	0.072	0.075	0.073
067	2013/04/18	09:23:37	0.071	0.073	0.072
068	2013/04/18	09:24:37	0.074	0.099	0.072
069	2013/04/18	09:25:37	0.073	0.088	0.074
070	2013/04/18	09:26:37	0.073	0.075	0.074
071	2013/04/18	09:27:37	0.075	0.094	0.073
072	2013/04/18	09:28:37	0.075	0.083	0.076
073	2013/04/18	09:29:37	0.075	0.076	0.076
074	2013/04/18	09:30:37	0.076	0.131	0.131
075	2013/04/18	09:31:37	0.092	0.232	0.080
076	2013/04/18	09:32:37	0.076	0.081	0.077
077	2013/04/18	09:33:37	0.076	0.078	0.077
078	2013/04/18	09:34:37	0.085	0.183	0.080
079	2013/04/18	09:35:37	0.078	0.094	0.078
080	2013/04/18	09:36:37	0.078	0.082	0.077
081	2013/04/18	09:37:37	0.078	0.084	0.079
082	2013/04/18	09:38:37	0.078	0.080	0.080
083	2013/04/18	09:39:37	0.079	0.081	0.080
084	2013/04/18	09:40:37	0.081	0.090	0.080
085	2013/04/18	09:41:37	0.080	0.082	0.080

086	2013/04/18	09:42:37	0.081	0.084	0.081
087	2013/04/18	09:43:37	0.082	0.085	0.082
088	2013/04/18	09:44:37	0.082	0.089	0.081
089	2013/04/18	09:45:37	0.082	0.084	0.084
090	2013/04/18	09:46:37	0.084	0.086	0.084
091	2013/04/18	09:47:37	0.089	0.114	0.083
092	2013/04/18	09:48:37	0.084	0.097	0.095
093	2013/04/18	09:49:37	0.085	0.095	0.085
094	2013/04/18	09:50:37	0.084	0.085	0.085
095	2013/04/18	09:51:37	0.085	0.087	0.086
096	2013/04/18	09:52:37	0.085	0.086	0.086
097	2013/04/18	09:53:37	0.087	0.088	0.087
098	2013/04/18	09:54:37	0.087	0.088	0.088
099	2013/04/18	09:55:37	0.088	0.089	0.089
100	2013/04/18	09:56:37	0.089	0.090	0.089
101	2013/04/18	09:57:37	0.089	0.091	0.090
102	2013/04/18	09:58:37	0.090	0.091	0.090
103	2013/04/18	09:59:37	0.091	0.095	0.091
104	2013/04/18	10:00:37	0.097	0.130	0.089
105	2013/04/18	10:01:37	0.091	0.092	0.092
106	2013/04/18	10:02:37	0.093	0.096	0.093
107	2013/04/18	10:03:37	0.093	0.094	0.093
108	2013/04/18	10:04:37	0.094	0.095	0.095
109	2013/04/18	10:05:37	0.094	0.095	0.095
110	2013/04/18	10:06:37	0.094	0.096	0.094
111	2013/04/18	10:07:37	0.095	0.096	0.095
112	2013/04/18	10:08:37	0.095	0.097	0.095
113	2013/04/18	10:09:37	0.096	0.097	0.097
114	2013/04/18	10:10:37	0.096	0.098	0.096
115	2013/04/18	10:11:37	0.096	0.097	0.097
116	2013/04/18	10:12:37	0.097	0.098	0.097
117	2013/04/18	10:13:37	0.097	0.101	0.101
118	2013/04/18	10:14:37	0.099	0.123	0.098
119	2013/04/18	10:15:37	0.099	0.106	0.104
120	2013/04/18	10:16:37	0.099	0.107	0.097
121	2013/04/18	10:17:37	0.097	0.099	0.099
122	2013/04/18	10:18:37	0.102	0.116	0.114
123	2013/04/18	10:19:37	0.112	0.173	0.100
124	2013/04/18	10:20:37	0.097	0.101	0.099
125	2013/04/18	10:21:37	0.099	0.103	0.099
126	2013/04/18	10:22:37	0.105	0.148	0.098
127	2013/04/18	10:23:37	0.099	0.101	0.100
128	2013/04/18	10:24:37	0.100	0.103	0.102
129	2013/04/18	10:25:37	0.102	0.104	0.103
130	2013/04/18	10:26:37	0.102	0.104	0.104
131	2013/04/18	10:27:37	0.102	0.103	0.103
132	2013/04/18	10:28:37	0.102	0.103	0.103
133	2013/04/18	10:29:37	0.103	0.105	0.104
134	2013/04/18	10:30:37	0.103	0.105	0.104
135	2013/04/18	10:31:37	0.103	0.105	0.104
136	2013/04/18	10:32:37	0.108	0.154	0.103
137	2013/04/18	10:33:37	0.104	0.106	0.106
138	2013/04/18	10:34:37	0.105	0.106	0.106
139	2013/04/18	10:35:37	0.106	0.107	0.106
140	2013/04/18	10:36:37	0.106	0.107	0.106
141	2013/04/18	10:37:37	0.107	0.108	0.107
142	2013/04/18	10:38:37	0.107	0.108	0.107
143	2013/04/18	10:39:37	0.107	0.111	0.107
144	2013/04/18	10:40:37	0.113	0.156	0.105
145	2013/04/18	10:41:37	0.106	0.108	0.108
146	2013/04/18	10:42:37	0.108	0.113	0.108
147	2013/04/18	10:43:37	0.107	0.109	0.109
148	2013/04/18	10:44:37	0.108	0.110	0.110

149	2013/04/18	10:45:37	0.120	0.148	0.106
150	2013/04/18	10:46:37	0.107	0.108	0.108
151	2013/04/18	10:47:37	0.108	0.115	0.114
152	2013/04/18	10:48:37	0.108	0.113	0.108
153	2013/04/18	10:49:37	0.109	0.112	0.110
154	2013/04/18	10:50:37	0.110	0.112	0.110
155	2013/04/18	10:51:37	0.111	0.113	0.111
156	2013/04/18	10:52:37	0.112	0.114	0.114
157	2013/04/18	10:53:37	0.113	0.127	0.112
158	2013/04/18	10:54:37	0.113	0.123	0.112
159	2013/04/18	10:55:37	0.112	0.118	0.111
160	2013/04/18	10:56:37	0.113	0.115	0.113
161	2013/04/18	10:57:37	0.112	0.114	0.114
162	2013/04/18	10:58:37	0.114	0.120	0.113
163	2013/04/18	10:59:37	0.113	0.117	0.114
164	2013/04/18	11:00:37	0.114	0.120	0.112
165	2013/04/18	11:01:37	0.114	0.119	0.112
166	2013/04/18	11:02:37	0.113	0.115	0.114
167	2013/04/18	11:03:37	0.117	0.152	0.115
168	2013/04/18	11:04:37	0.120	0.135	0.112
169	2013/04/18	11:05:37	0.114	0.136	0.136
170	2013/04/18	11:06:37	0.114	0.134	0.113
171	2013/04/18	11:07:37	0.113	0.119	0.114
172	2013/04/18	11:08:37	0.114	0.115	0.114
173	2013/04/18	11:09:37	0.115	0.116	0.116
174	2013/04/18	11:10:37	0.116	0.118	0.114
175	2013/04/18	11:11:37	0.122	0.170	0.118
176	2013/04/18	11:12:37	0.114	0.117	0.116
177	2013/04/18	11:13:37	0.116	0.122	0.116
178	2013/04/18	11:14:37	0.116	0.118	0.117
179	2013/04/18	11:15:37	0.116	0.118	0.117
180	2013/04/18	11:16:37	0.117	0.119	0.119
181	2013/04/18	11:17:37	0.118	0.120	0.118
182	2013/04/18	11:18:37	0.118	0.120	0.119
183	2013/04/18	11:19:37	0.119	0.121	0.121
184	2013/04/18	11:20:37	0.118	0.121	0.118
185	2013/04/18	11:21:37	0.119	0.121	0.120
186	2013/04/18	11:22:37	0.119	0.121	0.121
187	2013/04/18	11:23:37	0.120	0.123	0.123
188	2013/04/18	11:24:37	0.121	0.123	0.121
189	2013/04/18	11:25:37	0.120	0.121	0.121
190	2013/04/18	11:26:37	0.120	0.122	0.122
191	2013/04/18	11:27:37	0.120	0.122	0.120
192	2013/04/18	11:28:37	0.120	0.122	0.121
193	2013/04/18	11:29:37	0.119	0.121	0.121
194	2013/04/18	11:30:37	0.120	0.121	0.121
195	2013/04/18	11:31:37	0.120	0.122	0.121
196	2013/04/18	11:32:37	0.120	0.122	0.120
197	2013/04/18	11:33:37	0.120	0.122	0.121
198	2013/04/18	11:34:37	0.135	0.230	0.145
199	2013/04/18	11:35:37	0.119	0.135	0.119
200	2013/04/18	11:36:37	0.119	0.125	0.125
201	2013/04/18	11:37:37	0.149	0.187	0.131
202	2013/04/18	11:38:37	0.127	0.132	0.124
203	2013/04/18	11:39:37	0.123	0.125	0.125
204	2013/04/18	11:40:37	0.123	0.125	0.124
205	2013/04/18	11:41:37	0.122	0.124	0.122
206	2013/04/18	11:42:37	0.122	0.124	0.122
207	2013/04/18	11:43:37	0.122	0.124	0.123
208	2013/04/18	11:44:37	0.123	0.124	0.123
209	2013/04/18	11:45:37	0.123	0.124	0.124
210	2013/04/18	11:46:37	0.123	0.124	0.123
211	2013/04/18	11:47:37	0.123	0.125	0.125

212	2013/04/18	11:48:37	0.125	0.126	0.125
213	2013/04/18	11:49:37	0.125	0.129	0.129
214	2013/04/18	11:50:37	0.125	0.129	0.124
215	2013/04/18	11:51:37	0.124	0.125	0.125
216	2013/04/18	11:52:37	0.124	0.126	0.124
217	2013/04/18	11:53:37	0.124	0.125	0.124
218	2013/04/18	11:54:37	0.124	0.126	0.124
219	2013/04/18	11:55:37	0.124	0.126	0.125
220	2013/04/18	11:56:37	0.124	0.125	0.124
221	2013/04/18	11:57:37	0.124	0.126	0.125
222	2013/04/18	11:58:37	0.124	0.125	0.124
223	2013/04/18	11:59:37	0.124	0.126	0.126
224	2013/04/18	12:00:37	0.123	0.125	0.125
225	2013/04/18	12:01:37	0.124	0.126	0.124
226	2013/04/18	12:02:37	0.124	0.125	0.124
227	2013/04/18	12:03:37	0.127	0.131	0.126
228	2013/04/18	12:04:37	0.125	0.126	0.125
229	2013/04/18	12:05:37	0.124	0.125	0.125
230	2013/04/18	12:06:37	0.124	0.126	0.123
231	2013/04/18	12:07:37	0.125	0.131	0.126
232	2013/04/18	12:08:37	0.156	0.190	0.182
233	2013/04/18	12:09:37	0.143	0.189	0.130
234	2013/04/18	12:10:37	0.128	0.129	0.127
235	2013/04/18	12:11:37	0.127	0.129	0.126
236	2013/04/18	12:12:37	0.125	0.127	0.125
237	2013/04/18	12:13:37	0.132	0.154	0.126
238	2013/04/18	12:14:37	0.125	0.126	0.125
239	2013/04/18	12:15:37	0.125	0.132	0.129
240	2013/04/18	12:16:37	0.126	0.128	0.126
241	2013/04/18	12:17:37	0.125	0.127	0.126
242	2013/04/18	12:18:37	0.126	0.128	0.128
243	2013/04/18	12:19:37	0.128	0.131	0.129
244	2013/04/18	12:20:37	0.128	0.129	0.128
245	2013/04/18	12:21:37	0.127	0.129	0.128
246	2013/04/18	12:22:37	0.129	0.134	0.129
247	2013/04/18	12:23:37	0.129	0.130	0.130
248	2013/04/18	12:24:37	0.131	0.134	0.131
249	2013/04/18	12:25:37	0.131	0.134	0.133
250	2013/04/18	12:26:37	0.133	0.139	0.133
251	2013/04/18	12:27:37	0.133	0.134	0.134
252	2013/04/18	12:28:37	0.134	0.136	0.135
253	2013/04/18	12:29:37	0.136	0.141	0.136
254	2013/04/18	12:30:37	0.136	0.140	0.140
255	2013/04/18	12:31:37	0.137	0.141	0.137
256	2013/04/18	12:32:37	0.138	0.144	0.139
257	2013/04/18	12:33:37	0.136	0.142	0.136
258	2013/04/18	12:34:37	0.138	0.142	0.138
259	2013/04/18	12:35:37	0.137	0.153	0.153
260	2013/04/18	12:36:37	0.137	0.147	0.137
261	2013/04/18	12:37:37	0.137	0.138	0.137
262	2013/04/18	12:38:37	0.137	0.138	0.137
263	2013/04/18	12:39:37	0.137	0.138	0.137
264	2013/04/18	12:40:37	0.136	0.137	0.136
265	2013/04/18	12:41:37	0.136	0.137	0.136
266	2013/04/18	12:42:37	0.136	0.137	0.137
267	2013/04/18	12:43:37	0.136	0.144	0.135
268	2013/04/18	12:44:37	0.134	0.135	0.134
269	2013/04/18	12:45:37	0.134	0.135	0.134
270	2013/04/18	12:46:37	0.134	0.135	0.134
271	2013/04/18	12:47:37	0.136	0.148	0.136
272	2013/04/18	12:48:37	0.133	0.135	0.132
273	2013/04/18	12:49:37	0.132	0.133	0.132
274	2013/04/18	12:50:37	0.132	0.133	0.132

275	2013/04/18	12:51:37	0.132	0.135	0.132
276	2013/04/18	12:52:37	0.134	0.167	0.131
277	2013/04/18	12:53:37	0.131	0.142	0.129
278	2013/04/18	12:54:37	0.132	0.137	0.132
279	2013/04/18	12:55:37	0.131	0.132	0.131
280	2013/04/18	12:56:37	0.130	0.131	0.131
281	2013/04/18	12:57:37	0.130	0.133	0.130
282	2013/04/18	12:58:37	0.129	0.132	0.129
283	2013/04/18	12:59:37	0.129	0.131	0.131
284	2013/04/18	13:00:37	0.130	0.136	0.134
285	2013/04/18	13:01:37	0.131	0.136	0.130
286	2013/04/18	13:02:37	0.130	0.131	0.130
287	2013/04/18	13:03:37	0.129	0.130	0.130
288	2013/04/18	13:04:37	0.129	0.130	0.130
289	2013/04/18	13:05:37	0.129	0.131	0.130
290	2013/04/18	13:06:37	0.129	0.130	0.129
291	2013/04/18	13:07:37	0.129	0.130	0.129
292	2013/04/18	13:08:37	0.129	0.131	0.130
293	2013/04/18	13:09:37	0.129	0.130	0.129
294	2013/04/18	13:10:37	0.129	0.130	0.129
295	2013/04/18	13:11:37	0.129	0.131	0.131
296	2013/04/18	13:12:37	0.130	0.132	0.130
297	2013/04/18	13:13:37	0.130	0.132	0.131
298	2013/04/18	13:14:37	0.132	0.135	0.133
299	2013/04/18	13:15:37	0.132	0.134	0.134
300	2013/04/18	13:16:37	0.132	0.134	0.132
301	2013/04/18	13:17:37	0.131	0.133	0.133
302	2013/04/18	13:18:37	0.132	0.134	0.133
303	2013/04/18	13:19:37	0.131	0.133	0.132
304	2013/04/18	13:20:37	0.131	0.133	0.131
305	2013/04/18	13:21:37	0.131	0.132	0.132
306	2013/04/18	13:22:37	0.131	0.133	0.131
307	2013/04/18	13:23:37	0.131	0.134	0.133
308	2013/04/18	13:24:37	0.133	0.135	0.133
309	2013/04/18	13:25:37	0.133	0.134	0.133
310	2013/04/18	13:26:37	0.133	0.137	0.132
311	2013/04/18	13:27:37	0.132	0.133	0.133
312	2013/04/18	13:28:37	0.133	0.135	0.133
313	2013/04/18	13:29:37	0.134	0.139	0.134
314	2013/04/18	13:30:37	0.133	0.135	0.133
315	2013/04/18	13:31:37	0.134	0.136	0.135
316	2013/04/18	13:32:37	0.135	0.136	0.135
317	2013/04/18	13:33:37	0.135	0.137	0.136
318	2013/04/18	13:34:37	0.136	0.137	0.136
319	2013/04/18	13:35:37	0.135	0.136	0.136
320	2013/04/18	13:36:37	0.135	0.136	0.136
321	2013/04/18	13:37:37	0.136	0.136	0.136
322	2013/04/18	13:38:37	0.136	0.139	0.136
323	2013/04/18	13:39:37	0.135	0.136	0.136
324	2013/04/18	13:40:37	0.137	0.140	0.137
325	2013/04/18	13:41:37	0.137	0.152	0.147
326	2013/04/18	13:42:37	0.138	0.143	0.138
327	2013/04/18	13:43:37	0.136	0.140	0.136
328	2013/04/18	13:44:37	0.137	0.139	0.137
329	2013/04/18	13:45:37	0.135	0.141	0.136
330	2013/04/18	13:46:37	0.136	0.137	0.136
331	2013/04/18	13:47:37	0.137	0.143	0.137
332	2013/04/18	13:48:37	0.136	0.140	0.137
333	2013/04/18	13:49:37	0.136	0.139	0.138
334	2013/04/18	13:50:37	0.137	0.138	0.137
335	2013/04/18	13:51:37	0.137	0.139	0.137
336	2013/04/18	13:52:37	0.137	0.138	0.136
337	2013/04/18	13:53:37	0.136	0.139	0.135

338	2013/04/18	13:54:37	0.137	0.145	0.138
339	2013/04/18	13:55:37	0.137	0.138	0.137
340	2013/04/18	13:56:37	0.138	0.141	0.139
341	2013/04/18	13:57:37	0.140	0.144	0.139
342	2013/04/18	13:58:37	0.138	0.140	0.139
343	2013/04/18	13:59:37	0.138	0.139	0.138
344	2013/04/18	14:00:37	0.138	0.139	0.138
345	2013/04/18	14:01:37	0.138	0.140	0.138
346	2013/04/18	14:02:37	0.138	0.138	0.138
347	2013/04/18	14:03:37	0.137	0.139	0.138
348	2013/04/18	14:04:37	0.138	0.139	0.138
349	2013/04/18	14:05:37	0.138	0.139	0.138
350	2013/04/18	14:06:37	0.138	0.139	0.139
351	2013/04/18	14:07:37	0.139	0.144	0.138
352	2013/04/18	14:08:37	0.138	0.140	0.138
353	2013/04/18	14:09:37	0.137	0.138	0.138
354	2013/04/18	14:10:37	0.139	0.141	0.139
355	2013/04/18	14:11:37	0.138	0.143	0.138
356	2013/04/18	14:12:37	0.137	0.139	0.138
357	2013/04/18	14:13:37	0.137	0.138	0.137
358	2013/04/18	14:14:37	0.137	0.138	0.138
359	2013/04/18	14:15:37	0.137	0.138	0.137
360	2013/04/18	14:16:37	0.137	0.138	0.138
361	2013/04/18	14:17:37	0.139	0.140	0.139
362	2013/04/18	14:18:37	0.138	0.139	0.137
363	2013/04/18	14:19:37	0.139	0.148	0.139
364	2013/04/18	14:20:37	0.138	0.139	0.139
365	2013/04/18	14:21:37	0.138	0.140	0.138
366	2013/04/18	14:22:37	0.140	0.144	0.139
367	2013/04/18	14:23:37	0.138	0.140	0.137
368	2013/04/18	14:24:37	0.138	0.139	0.138
369	2013/04/18	14:25:37	0.137	0.139	0.137
370	2013/04/18	14:26:37	0.137	0.141	0.139
371	2013/04/18	14:27:37	0.137	0.139	0.137
372	2013/04/18	14:28:37	0.137	0.139	0.137
373	2013/04/18	14:29:37	0.137	0.138	0.137
374	2013/04/18	14:30:37	0.136	0.137	0.136
375	2013/04/18	14:31:37	0.136	0.137	0.137
376	2013/04/18	14:32:37	0.136	0.138	0.137
377	2013/04/18	14:33:37	0.136	0.138	0.137
378	2013/04/18	14:34:37	0.137	0.138	0.137
379	2013/04/18	14:35:37	0.136	0.137	0.136
380	2013/04/18	14:36:37	0.136	0.139	0.134
381	2013/04/18	14:37:37	0.135	0.137	0.135
382	2013/04/18	14:38:37	0.135	0.137	0.137
383	2013/04/18	14:39:37	0.136	0.137	0.137
384	2013/04/18	14:40:37	0.137	0.139	0.138
385	2013/04/18	14:41:37	0.138	0.139	0.138
386	2013/04/18	14:42:37	0.137	0.138	0.136
387	2013/04/18	14:43:37	0.137	0.147	0.137
388	2013/04/18	14:44:37	0.138	0.152	0.152
389	2013/04/18	14:45:37	0.138	0.164	0.134
390	2013/04/18	14:46:37	0.144	0.255	0.212
391	2013/04/18	14:47:37	0.137	0.155	0.140
392	2013/04/18	14:48:37	0.146	0.212	0.137
393	2013/04/18	14:49:37	0.140	0.222	0.130
394	2013/04/18	14:50:37	0.155	0.219	0.141
395	2013/04/18	14:51:37	0.140	0.161	0.137
396	2013/04/18	14:52:37	0.136	0.154	0.139
397	2013/04/18	14:53:37	0.138	0.142	0.138
398	2013/04/18	14:54:37	0.143	0.155	0.142
399	2013/04/18	14:55:37	0.139	0.143	0.142
400	2013/04/18	14:56:37	0.141	0.148	0.139

401	2013/04/18	14:57:37	0.142	0.147	0.142
402	2013/04/18	14:58:37	0.142	0.148	0.141
403	2013/04/18	14:59:37	0.143	0.146	0.141
404	2013/04/18	15:00:37	0.141	0.143	0.141
405	2013/04/18	15:01:37	0.143	0.151	0.144
406	2013/04/18	15:02:37	0.142	0.147	0.141
407	2013/04/18	15:03:37	0.141	0.147	0.142
408	2013/04/18	15:04:37	0.142	0.145	0.141
409	2013/04/18	15:05:37	0.142	0.147	0.143
410	2013/04/18	15:06:37	0.143	0.152	0.145
411	2013/04/18	15:07:37	0.144	0.153	0.142
412	2013/04/18	15:08:37	0.142	0.145	0.143
413	2013/04/18	15:09:37	0.144	0.148	0.143
414	2013/04/18	15:10:37	0.143	0.146	0.145
415	2013/04/18	15:11:37	0.147	0.166	0.166
416	2013/04/18	15:12:37	0.151	0.170	0.148
417	2013/04/18	15:13:37	0.146	0.148	0.146
418	2013/04/18	15:14:37	0.147	0.151	0.149
419	2013/04/18	15:15:37	0.149	0.152	0.148
420	2013/04/18	15:16:37	0.148	0.157	0.157
421	2013/04/18	15:17:37	0.151	0.159	0.149
422	2013/04/18	15:18:37	0.150	0.159	0.148
423	2013/04/18	15:19:37	0.150	0.153	0.151
424	2013/04/18	15:20:37	0.154	0.165	0.153
425	2013/04/18	15:21:37	0.163	0.206	0.194
426	2013/04/18	15:22:37	0.147	0.190	0.148
427	2013/04/18	15:23:37	0.151	0.156	0.156
428	2013/04/18	15:24:37	0.156	0.158	0.156
429	2013/04/18	15:25:37	0.157	0.158	0.158
430	2013/04/18	15:26:37	0.158	0.160	0.159
431	2013/04/18	15:27:37	0.162	0.182	0.170
432	2013/04/18	15:28:37	0.176	0.223	0.166
433	2013/04/18	15:29:37	0.163	0.170	0.158
434	2013/04/18	15:30:37	0.159	0.169	0.161
435	2013/04/18	15:31:37	0.161	0.163	0.163
436	2013/04/18	15:32:37	0.164	0.167	0.165
437	2013/04/18	15:33:37	0.165	0.167	0.166
438	2013/04/18	15:34:37	0.166	0.168	0.168
439	2013/04/18	15:35:37	0.170	0.183	0.165
440	2013/04/18	15:36:37	0.164	0.170	0.165
441	2013/04/18	15:37:37	0.163	0.179	0.158
442	2013/04/18	15:38:37	0.161	0.171	0.161
443	2013/04/18	15:39:37	0.163	0.168	0.164
444	2013/04/18	15:40:37	0.163	0.174	0.157
445	2013/04/18	15:41:37	0.159	0.166	0.161
446	2013/04/18	15:42:37	0.162	0.173	0.160
447	2013/04/18	15:43:37	0.161	0.187	0.160
448	2013/04/18	15:44:37	0.158	0.170	0.160
449	2013/04/18	15:45:37	0.158	0.166	0.159
450	2013/04/18	15:46:37	0.162	0.181	0.165
451	2013/04/18	15:47:37	0.156	0.173	0.172
452	2013/04/18	15:48:37	0.156	0.170	0.152
453	2013/04/18	15:49:37	0.155	0.172	0.152
454	2013/04/18	15:50:37	0.155	0.163	0.154
455	2013/04/18	15:51:37	0.160	0.194	0.187
456	2013/04/18	15:52:37	0.153	0.178	0.151
457	2013/04/18	15:53:37	0.155	0.166	0.163
458	2013/04/18	15:54:37	0.157	0.174	0.170
459	2013/04/18	15:55:37	0.155	0.172	0.148
460	2013/04/18	15:56:37	0.152	0.162	0.156
461	2013/04/18	15:57:37	0.157	0.170	0.170
462	2013/04/18	15:58:37	0.154	0.174	0.154
463	2013/04/18	15:59:37	0.158	0.166	0.166

464	2013/04/18	16:00:37	0.160	0.188	0.157
465	2013/04/18	16:01:37	0.160	0.166	0.159
466	2013/04/18	16:02:37	0.160	0.166	0.164
467	2013/04/18	16:03:37	0.162	0.171	0.166
468	2013/04/18	16:04:37	0.161	0.182	0.158
469	2013/04/18	16:05:37	0.161	0.184	0.160
470	2013/04/18	16:06:37	0.164	0.192	0.164
471	2013/04/18	16:07:37	0.163	0.178	0.161
472	2013/04/18	16:08:37	0.160	0.169	0.160
473	2013/04/18	16:09:37	0.162	0.166	0.163
474	2013/04/18	16:10:37	0.166	0.177	0.158
475	2013/04/18	16:11:37	0.161	0.169	0.169
476	2013/04/18	16:12:37	0.163	0.183	0.159
477	2013/04/18	16:13:37	0.160	0.172	0.160
478	2013/04/18	16:14:37	0.162	0.165	0.165
479	2013/04/18	16:15:37	0.165	0.168	0.168
480	2013/04/18	16:16:37	0.168	0.175	0.173
481	2013/04/18	16:17:37	0.167	0.175	0.174
482	2013/04/18	16:18:37	0.168	0.184	0.169
483	2013/04/18	16:19:37	0.166	0.178	0.165
484	2013/04/18	16:20:37	0.167	0.173	0.168
485	2013/04/18	16:21:37	0.172	0.186	0.171
486	2013/04/18	16:22:37	0.175	0.218	0.173
487	2013/04/18	16:23:37	0.171	0.188	0.169
488	2013/04/18	16:24:37	0.171	0.173	0.172
489	2013/04/18	16:25:37	0.173	0.179	0.174
490	2013/04/18	16:26:37	0.174	0.176	0.175
491	2013/04/18	16:27:37	0.175	0.177	0.176
492	2013/04/18	16:28:37	0.176	0.182	0.175
493	2013/04/18	16:29:37	0.175	0.193	0.173
494	2013/04/18	16:30:37	0.174	0.188	0.168
495	2013/04/18	16:31:37	0.173	0.204	0.168
496	2013/04/18	16:32:37	0.170	0.181	0.168
497	2013/04/18	16:33:37	0.169	0.177	0.165
498	2013/04/18	16:34:37	0.166	0.171	0.165
499	2013/04/18	16:35:37	0.165	0.170	0.166
500	2013/04/18	16:36:37	0.165	0.182	0.163
501	2013/04/18	16:37:37	0.159	0.170	0.159
502	2013/04/18	16:38:37	0.158	0.169	0.158
503	2013/04/18	16:39:37	0.158	0.159	0.158
504	2013/04/18	16:40:37	0.157	0.158	0.156
505	2013/04/18	16:41:37	0.155	0.156	0.155
506	2013/04/18	16:42:37	0.154	0.155	0.154
507	2013/04/18	16:43:37	0.152	0.164	0.154
508	2013/04/18	16:44:37	0.148	0.158	0.148
509	2013/04/18	16:45:37	0.148	0.155	0.144
510	2013/04/18	16:46:37	0.146	0.152	0.150
511	2013/04/18	16:47:37	0.143	0.155	0.137
512	2013/04/18	16:48:37	0.140	0.154	0.137
513	2013/04/18	16:49:37	0.140	0.150	0.138
514	2013/04/18	16:50:37	0.139	0.147	0.144
515	2013/04/18	16:51:37	0.142	0.154	0.144
516	2013/04/18	16:52:37	0.138	0.144	0.139
517	2013/04/18	16:53:37	0.137	0.148	0.138
518	2013/04/18	16:54:37	0.141	0.159	0.140
519	2013/04/18	16:55:37	0.143	0.160	0.142
520	2013/04/18	16:56:37	0.144	0.152	0.143
521	2013/04/18	16:57:37	0.145	0.148	0.147
522	2013/04/18	16:58:37	0.147	0.149	0.149
523	2013/04/18	16:59:37	0.151	0.153	0.153
524	2013/04/18	17:00:37	0.155	0.157	0.157
525	2013/04/18	17:01:37	0.156	0.157	0.156
526	2013/04/18	17:02:37	0.157	0.159	0.159

527	2013/04/18 17:03:37	0.158	0.160	0.160
528	2013/04/18 17:04:37	0.160	0.161	0.161
529	2013/04/18 17:05:37	0.162	0.172	0.164
530	2013/04/18 17:06:37	0.161	0.168	0.165
531	2013/04/18 17:07:37	0.162	0.177	0.162
532	2013/04/18 17:08:37	0.162	0.172	0.165
533	2013/04/18 17:09:37	0.164	0.177	0.162
534	2013/04/18 17:10:37	0.166	0.183	0.168
535	2013/04/18 17:11:37	0.165	0.183	0.162
536	2013/04/18 17:12:37	0.165	0.177	0.167
537	2013/04/18 17:13:37	0.161	0.170	0.161
538	2013/04/18 17:14:37	0.165	0.184	0.157
539	2013/04/18 17:15:37	0.160	0.166	0.166
540	2013/04/18 17:16:37	0.161	0.170	0.158
541	2013/04/18 17:17:37	0.159	0.172	0.172
542	2013/04/18 17:18:37	0.157	0.180	0.156
543	2013/04/18 17:19:37	0.154	0.165	0.152
544	2013/04/18 17:20:37	0.152	0.161	0.151
545	2013/04/18 17:21:37	0.151	0.163	0.153
546	2013/04/18 17:22:37	0.152	0.165	0.139
547	2013/04/18 17:23:37	0.142	0.149	0.147
548	2013/04/18 17:24:37	0.145	0.149	0.149
549	2013/04/18 17:25:37	0.145	0.152	0.141
550	2013/04/18 17:26:37	0.142	0.148	0.145
551	2013/04/18 17:27:37	0.143	0.154	0.135
552	2013/04/18 17:28:37	0.140	0.153	0.132
553	2013/04/18 17:29:37	0.137	0.143	0.141
554	2013/04/18 17:30:37	0.140	0.161	0.135
555	2013/04/18 17:31:37	0.137	0.145	0.137
556	2013/04/18 17:32:37	0.135	0.150	0.144
557	2013/04/18 17:33:37	0.137	0.148	0.139
558	2013/04/18 17:34:37	0.133	0.139	0.139
559	2013/04/18 17:35:37	0.135	0.145	0.143
560	2013/04/18 17:36:37	0.132	0.147	0.132
561	2013/04/18 17:37:37	0.132	0.138	0.132
562	2013/04/18 17:38:37	0.136	0.154	0.129
563	2013/04/18 17:39:37	0.132	0.143	0.136
564	2013/04/18 17:40:37	0.135	0.149	0.123
565	2013/04/18 17:41:37	0.129	0.142	0.134
566	2013/04/18 17:42:37	0.130	0.136	0.130
567	2013/04/18 17:43:37	0.131	0.139	0.130
568	2013/04/18 17:44:37	0.131	0.136	0.132
569	2013/04/18 17:45:37	0.135	0.155	0.129
570	2013/04/18 17:46:37	0.130	0.143	0.129
571	2013/04/18 17:47:37	0.130	0.135	0.131
572	2013/04/18 17:48:37	0.131	0.133	0.132
573	2013/04/18 17:49:37	0.132	0.145	0.130
574	2013/04/18 17:50:37	0.132	0.144	0.131
575	2013/04/18 17:51:37	0.131	0.141	0.131
Peak		0.176	0.255	0.212
Min		0.002	0.004	0.003
Average		0.122	0.130	0.122

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/04/18 08:17:37	0.000	---	
002	2013/04/18 08:18:37	0.000	---	
003	2013/04/18 08:19:37	0.000	---	
004	2013/04/18 08:20:37	0.000	---	
005	2013/04/18 08:21:37	0.000	---	
006	2013/04/18 08:22:37	0.000	---	

007	2013/04/18 08:23:37	0.000	---
008	2013/04/18 08:24:37	0.000	---
009	2013/04/18 08:25:37	0.000	---
010	2013/04/18 08:26:37	0.000	---
011	2013/04/18 08:27:37	0.000	---
012	2013/04/18 08:28:37	0.000	---
013	2013/04/18 08:29:37	0.000	---
014	2013/04/18 08:30:37	0.000	---
015	2013/04/18 08:31:37	0.000	0.012
016	2013/04/18 08:32:37	0.000	0.013
017	2013/04/18 08:33:37	0.000	0.015
018	2013/04/18 08:34:37	0.001	0.016
019	2013/04/18 08:35:37	0.001	0.017
020	2013/04/18 08:36:37	0.001	0.019
021	2013/04/18 08:37:37	0.001	0.020
022	2013/04/18 08:38:37	0.001	0.022
023	2013/04/18 08:39:37	0.001	0.023
024	2013/04/18 08:40:37	0.001	0.024
025	2013/04/18 08:41:37	0.001	0.025
026	2013/04/18 08:42:37	0.001	0.027
027	2013/04/18 08:43:37	0.001	0.028
028	2013/04/18 08:44:37	0.001	0.029
029	2013/04/18 08:45:37	0.001	0.031
030	2013/04/18 08:46:37	0.001	0.032
031	2013/04/18 08:47:37	0.001	0.033
032	2013/04/18 08:48:37	0.002	0.034
033	2013/04/18 08:49:37	0.002	0.036
034	2013/04/18 08:50:37	0.002	0.037
035	2013/04/18 08:51:37	0.002	0.038
036	2013/04/18 08:52:37	0.002	0.040
037	2013/04/18 08:53:37	0.002	0.041
038	2013/04/18 08:54:37	0.002	0.042
039	2013/04/18 08:55:37	0.002	0.043
040	2013/04/18 08:56:37	0.002	0.044
041	2013/04/18 08:57:37	0.002	0.045
042	2013/04/18 08:58:37	0.003	0.046
043	2013/04/18 08:59:37	0.003	0.047
044	2013/04/18 09:00:37	0.003	0.048
045	2013/04/18 09:01:37	0.003	0.049
046	2013/04/18 09:02:37	0.003	0.050
047	2013/04/18 09:03:37	0.003	0.051
048	2013/04/18 09:04:37	0.003	0.052
049	2013/04/18 09:05:37	0.003	0.053
050	2013/04/18 09:06:37	0.004	0.054
051	2013/04/18 09:07:37	0.004	0.055
052	2013/04/18 09:08:37	0.004	0.056
053	2013/04/18 09:09:37	0.004	0.056
054	2013/04/18 09:10:37	0.004	0.057
055	2013/04/18 09:11:37	0.004	0.058
056	2013/04/18 09:12:37	0.004	0.059
057	2013/04/18 09:13:37	0.004	0.060
058	2013/04/18 09:14:37	0.005	0.061
059	2013/04/18 09:15:37	0.005	0.061
060	2013/04/18 09:16:37	0.005	0.063
061	2013/04/18 09:17:37	0.005	0.067
062	2013/04/18 09:18:37	0.005	0.067
063	2013/04/18 09:19:37	0.005	0.068
064	2013/04/18 09:20:37	0.006	0.069
065	2013/04/18 09:21:37	0.006	0.070
066	2013/04/18 09:22:37	0.006	0.071
067	2013/04/18 09:23:37	0.006	0.071
068	2013/04/18 09:24:37	0.006	0.072
069	2013/04/18 09:25:37	0.006	0.073

070	2013/04/18 09:26:37	0.006	0.073
071	2013/04/18 09:27:37	0.007	0.074
072	2013/04/18 09:28:37	0.007	0.075
073	2013/04/18 09:29:37	0.007	0.075
074	2013/04/18 09:30:37	0.007	0.080
075	2013/04/18 09:31:37	0.007	0.080
076	2013/04/18 09:32:37	0.008	0.077
077	2013/04/18 09:33:37	0.008	0.078
078	2013/04/18 09:34:37	0.008	0.079
079	2013/04/18 09:35:37	0.008	0.079
080	2013/04/18 09:36:37	0.008	0.079
081	2013/04/18 09:37:37	0.008	0.080
082	2013/04/18 09:38:37	0.009	0.080
083	2013/04/18 09:39:37	0.009	0.081
084	2013/04/18 09:40:37	0.009	0.081
085	2013/04/18 09:41:37	0.009	0.082
086	2013/04/18 09:42:37	0.009	0.082
087	2013/04/18 09:43:37	0.009	0.083
088	2013/04/18 09:44:37	0.010	0.083
089	2013/04/18 09:45:37	0.010	0.080
090	2013/04/18 09:46:37	0.010	0.080
091	2013/04/18 09:47:37	0.010	0.080
092	2013/04/18 09:48:37	0.010	0.082
093	2013/04/18 09:49:37	0.010	0.082
094	2013/04/18 09:50:37	0.011	0.082
095	2013/04/18 09:51:37	0.011	0.083
096	2013/04/18 09:52:37	0.011	0.083
097	2013/04/18 09:53:37	0.011	0.084
098	2013/04/18 09:54:37	0.011	0.084
099	2013/04/18 09:55:37	0.012	0.085
100	2013/04/18 09:56:37	0.012	0.086
101	2013/04/18 09:57:37	0.012	0.086
102	2013/04/18 09:58:37	0.012	0.087
103	2013/04/18 09:59:37	0.012	0.087
104	2013/04/18 10:00:37	0.012	0.088
105	2013/04/18 10:01:37	0.013	0.088
106	2013/04/18 10:02:37	0.013	0.089
107	2013/04/18 10:03:37	0.013	0.089
108	2013/04/18 10:04:37	0.013	0.090
109	2013/04/18 10:05:37	0.013	0.090
110	2013/04/18 10:06:37	0.014	0.091
111	2013/04/18 10:07:37	0.014	0.091
112	2013/04/18 10:08:37	0.014	0.092
113	2013/04/18 10:09:37	0.014	0.092
114	2013/04/18 10:10:37	0.014	0.093
115	2013/04/18 10:11:37	0.015	0.093
116	2013/04/18 10:12:37	0.015	0.094
117	2013/04/18 10:13:37	0.015	0.095
118	2013/04/18 10:14:37	0.015	0.095
119	2013/04/18 10:15:37	0.015	0.096
120	2013/04/18 10:16:37	0.016	0.096
121	2013/04/18 10:17:37	0.016	0.097
122	2013/04/18 10:18:37	0.016	0.098
123	2013/04/18 10:19:37	0.016	0.099
124	2013/04/18 10:20:37	0.017	0.099
125	2013/04/18 10:21:37	0.017	0.099
126	2013/04/18 10:22:37	0.017	0.099
127	2013/04/18 10:23:37	0.017	0.100
128	2013/04/18 10:24:37	0.017	0.100
129	2013/04/18 10:25:37	0.018	0.101
130	2013/04/18 10:26:37	0.018	0.101
131	2013/04/18 10:27:37	0.018	0.101
132	2013/04/18 10:28:37	0.018	0.102

133	2013/04/18 10:29:37	0.018	0.102
134	2013/04/18 10:30:37	0.019	0.102
135	2013/04/18 10:31:37	0.019	0.102
136	2013/04/18 10:32:37	0.019	0.103
137	2013/04/18 10:33:37	0.019	0.102
138	2013/04/18 10:34:37	0.020	0.103
139	2013/04/18 10:35:37	0.020	0.103
140	2013/04/18 10:36:37	0.020	0.103
141	2013/04/18 10:37:37	0.020	0.104
142	2013/04/18 10:38:37	0.020	0.105
143	2013/04/18 10:39:37	0.021	0.105
144	2013/04/18 10:40:37	0.021	0.105
145	2013/04/18 10:41:37	0.021	0.105
146	2013/04/18 10:42:37	0.021	0.106
147	2013/04/18 10:43:37	0.022	0.106
148	2013/04/18 10:44:37	0.022	0.106
149	2013/04/18 10:45:37	0.022	0.107
150	2013/04/18 10:46:37	0.022	0.107
151	2013/04/18 10:47:37	0.022	0.108
152	2013/04/18 10:48:37	0.023	0.108
153	2013/04/18 10:49:37	0.023	0.108
154	2013/04/18 10:50:37	0.023	0.108
155	2013/04/18 10:51:37	0.023	0.109
156	2013/04/18 10:52:37	0.024	0.109
157	2013/04/18 10:53:37	0.024	0.109
158	2013/04/18 10:54:37	0.024	0.110
159	2013/04/18 10:55:37	0.024	0.110
160	2013/04/18 10:56:37	0.025	0.110
161	2013/04/18 10:57:37	0.025	0.111
162	2013/04/18 10:58:37	0.025	0.111
163	2013/04/18 10:59:37	0.025	0.111
164	2013/04/18 11:00:37	0.025	0.112
165	2013/04/18 11:01:37	0.026	0.112
166	2013/04/18 11:02:37	0.026	0.112
167	2013/04/18 11:03:37	0.026	0.112
168	2013/04/18 11:04:37	0.026	0.113
169	2013/04/18 11:05:37	0.027	0.114
170	2013/04/18 11:06:37	0.027	0.114
171	2013/04/18 11:07:37	0.027	0.114
172	2013/04/18 11:08:37	0.027	0.115
173	2013/04/18 11:09:37	0.028	0.115
174	2013/04/18 11:10:37	0.028	0.115
175	2013/04/18 11:11:37	0.028	0.115
176	2013/04/18 11:12:37	0.028	0.116
177	2013/04/18 11:13:37	0.029	0.116
178	2013/04/18 11:14:37	0.029	0.116
179	2013/04/18 11:15:37	0.029	0.116
180	2013/04/18 11:16:37	0.029	0.117
181	2013/04/18 11:17:37	0.030	0.117
182	2013/04/18 11:18:37	0.030	0.117
183	2013/04/18 11:19:37	0.030	0.118
184	2013/04/18 11:20:37	0.030	0.117
185	2013/04/18 11:21:37	0.031	0.117
186	2013/04/18 11:22:37	0.031	0.118
187	2013/04/18 11:23:37	0.031	0.118
188	2013/04/18 11:24:37	0.031	0.119
189	2013/04/18 11:25:37	0.032	0.119
190	2013/04/18 11:26:37	0.032	0.119
191	2013/04/18 11:27:37	0.032	0.120
192	2013/04/18 11:28:37	0.032	0.120
193	2013/04/18 11:29:37	0.033	0.120
194	2013/04/18 11:30:37	0.033	0.120
195	2013/04/18 11:31:37	0.033	0.121

196	2013/04/18 11:32:37	0.033	0.121
197	2013/04/18 11:33:37	0.034	0.121
198	2013/04/18 11:34:37	0.034	0.122
199	2013/04/18 11:35:37	0.034	0.122
200	2013/04/18 11:36:37	0.034	0.123
201	2013/04/18 11:37:37	0.035	0.123
202	2013/04/18 11:38:37	0.035	0.124
203	2013/04/18 11:39:37	0.035	0.124
204	2013/04/18 11:40:37	0.035	0.124
205	2013/04/18 11:41:37	0.036	0.124
206	2013/04/18 11:42:37	0.036	0.124
207	2013/04/18 11:43:37	0.036	0.124
208	2013/04/18 11:44:37	0.036	0.124
209	2013/04/18 11:45:37	0.037	0.125
210	2013/04/18 11:46:37	0.037	0.125
211	2013/04/18 11:47:37	0.037	0.125
212	2013/04/18 11:48:37	0.038	0.125
213	2013/04/18 11:49:37	0.038	0.124
214	2013/04/18 11:50:37	0.038	0.125
215	2013/04/18 11:51:37	0.038	0.125
216	2013/04/18 11:52:37	0.039	0.124
217	2013/04/18 11:53:37	0.039	0.124
218	2013/04/18 11:54:37	0.039	0.124
219	2013/04/18 11:55:37	0.039	0.124
220	2013/04/18 11:56:37	0.040	0.124
221	2013/04/18 11:57:37	0.040	0.124
222	2013/04/18 11:58:37	0.040	0.125
223	2013/04/18 11:59:37	0.040	0.125
224	2013/04/18 12:00:37	0.041	0.125
225	2013/04/18 12:01:37	0.041	0.125
226	2013/04/18 12:02:37	0.041	0.125
227	2013/04/18 12:03:37	0.041	0.125
228	2013/04/18 12:04:37	0.042	0.125
229	2013/04/18 12:05:37	0.042	0.125
230	2013/04/18 12:06:37	0.042	0.125
231	2013/04/18 12:07:37	0.042	0.125
232	2013/04/18 12:08:37	0.043	0.129
233	2013/04/18 12:09:37	0.043	0.129
234	2013/04/18 12:10:37	0.043	0.129
235	2013/04/18 12:11:37	0.044	0.129
236	2013/04/18 12:12:37	0.044	0.129
237	2013/04/18 12:13:37	0.044	0.129
238	2013/04/18 12:14:37	0.044	0.129
239	2013/04/18 12:15:37	0.045	0.130
240	2013/04/18 12:16:37	0.045	0.130
241	2013/04/18 12:17:37	0.045	0.130
242	2013/04/18 12:18:37	0.045	0.130
243	2013/04/18 12:19:37	0.046	0.130
244	2013/04/18 12:20:37	0.046	0.130
245	2013/04/18 12:21:37	0.046	0.131
246	2013/04/18 12:22:37	0.047	0.131
247	2013/04/18 12:23:37	0.047	0.127
248	2013/04/18 12:24:37	0.047	0.128
249	2013/04/18 12:25:37	0.047	0.128
250	2013/04/18 12:26:37	0.048	0.128
251	2013/04/18 12:27:37	0.048	0.129
252	2013/04/18 12:28:37	0.048	0.130
253	2013/04/18 12:29:37	0.048	0.130
254	2013/04/18 12:30:37	0.049	0.131
255	2013/04/18 12:31:37	0.049	0.132
256	2013/04/18 12:32:37	0.049	0.133
257	2013/04/18 12:33:37	0.050	0.133
258	2013/04/18 12:34:37	0.050	0.134

259	2013/04/18 12:35:37	0.050	0.135
260	2013/04/18 12:36:37	0.051	0.136
261	2013/04/18 12:37:37	0.051	0.137
262	2013/04/18 12:38:37	0.051	0.137
263	2013/04/18 12:39:37	0.051	0.137
264	2013/04/18 12:40:37	0.052	0.138
265	2013/04/18 12:41:37	0.052	0.138
266	2013/04/18 12:42:37	0.052	0.138
267	2013/04/18 12:43:37	0.053	0.138
268	2013/04/18 12:44:37	0.053	0.138
269	2013/04/18 12:45:37	0.053	0.138
270	2013/04/18 12:46:37	0.053	0.137
271	2013/04/18 12:47:37	0.054	0.137
272	2013/04/18 12:48:37	0.054	0.137
273	2013/04/18 12:49:37	0.054	0.136
274	2013/04/18 12:50:37	0.054	0.135
275	2013/04/18 12:51:37	0.055	0.135
276	2013/04/18 12:52:37	0.055	0.134
277	2013/04/18 12:53:37	0.055	0.134
278	2013/04/18 12:54:37	0.056	0.133
279	2013/04/18 12:55:37	0.056	0.133
280	2013/04/18 12:56:37	0.056	0.133
281	2013/04/18 12:57:37	0.056	0.132
282	2013/04/18 12:58:37	0.057	0.132
283	2013/04/18 12:59:37	0.057	0.132
284	2013/04/18 13:00:37	0.057	0.132
285	2013/04/18 13:01:37	0.057	0.131
286	2013/04/18 13:02:37	0.058	0.131
287	2013/04/18 13:03:37	0.058	0.131
288	2013/04/18 13:04:37	0.058	0.131
289	2013/04/18 13:05:37	0.059	0.131
290	2013/04/18 13:06:37	0.059	0.130
291	2013/04/18 13:07:37	0.059	0.130
292	2013/04/18 13:08:37	0.059	0.130
293	2013/04/18 13:09:37	0.060	0.130
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295	2013/04/18 13:11:37	0.060	0.130
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319	2013/04/18 13:35:37	0.067	0.134
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321	2013/04/18 13:37:37	0.067	0.134

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323	2013/04/18 13:39:37	0.068	0.135
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325	2013/04/18 13:41:37	0.069	0.136
326	2013/04/18 13:42:37	0.069	0.136
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328	2013/04/18 13:44:37	0.069	0.137
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384	2013/04/18 14:40:37	0.085	0.137

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388	2013/04/18 14:44:37	0.087	0.138
389	2013/04/18 14:45:37	0.087	0.137
390	2013/04/18 14:46:37	0.087	0.142
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393	2013/04/18 14:49:37	0.088	0.142
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399	2013/04/18 14:55:37	0.090	0.144
400	2013/04/18 14:56:37	0.090	0.144
401	2013/04/18 14:57:37	0.091	0.144
402	2013/04/18 14:58:37	0.091	0.144
403	2013/04/18 14:59:37	0.091	0.144
404	2013/04/18 15:00:37	0.091	0.144
405	2013/04/18 15:01:37	0.092	0.140
406	2013/04/18 15:02:37	0.092	0.140
407	2013/04/18 15:03:37	0.092	0.140
408	2013/04/18 15:04:37	0.093	0.141
409	2013/04/18 15:05:37	0.093	0.141
410	2013/04/18 15:06:37	0.093	0.141
411	2013/04/18 15:07:37	0.093	0.142
412	2013/04/18 15:08:37	0.094	0.142
413	2013/04/18 15:09:37	0.094	0.142
414	2013/04/18 15:10:37	0.094	0.142
415	2013/04/18 15:11:37	0.095	0.144
416	2013/04/18 15:12:37	0.095	0.144
417	2013/04/18 15:13:37	0.095	0.145
418	2013/04/18 15:14:37	0.096	0.145
419	2013/04/18 15:15:37	0.096	0.146
420	2013/04/18 15:16:37	0.096	0.147
421	2013/04/18 15:17:37	0.097	0.147
422	2013/04/18 15:18:37	0.097	0.148
423	2013/04/18 15:19:37	0.097	0.148
424	2013/04/18 15:20:37	0.098	0.149
425	2013/04/18 15:21:37	0.098	0.152
426	2013/04/18 15:22:37	0.098	0.153
427	2013/04/18 15:23:37	0.099	0.153
428	2013/04/18 15:24:37	0.099	0.154
429	2013/04/18 15:25:37	0.099	0.155
430	2013/04/18 15:26:37	0.100	0.155
431	2013/04/18 15:27:37	0.100	0.156
432	2013/04/18 15:28:37	0.100	0.157
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434	2013/04/18 15:30:37	0.101	0.159
435	2013/04/18 15:31:37	0.101	0.159
436	2013/04/18 15:32:37	0.102	0.160
437	2013/04/18 15:33:37	0.102	0.162
438	2013/04/18 15:34:37	0.102	0.163
439	2013/04/18 15:35:37	0.103	0.164
440	2013/04/18 15:36:37	0.103	0.162
441	2013/04/18 15:37:37	0.103	0.162
442	2013/04/18 15:38:37	0.104	0.163
443	2013/04/18 15:39:37	0.104	0.163
444	2013/04/18 15:40:37	0.104	0.163
445	2013/04/18 15:41:37	0.105	0.163
446	2013/04/18 15:42:37	0.105	0.163
447	2013/04/18 15:43:37	0.105	0.162

448	2013/04/18 15:44:37	0.106	0.162
449	2013/04/18 15:45:37	0.106	0.162
450	2013/04/18 15:46:37	0.106	0.162
451	2013/04/18 15:47:37	0.107	0.163
452	2013/04/18 15:48:37	0.107	0.162
453	2013/04/18 15:49:37	0.107	0.161
454	2013/04/18 15:50:37	0.108	0.160
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457	2013/04/18 15:53:37	0.109	0.161
458	2013/04/18 15:54:37	0.109	0.162
459	2013/04/18 15:55:37	0.109	0.161
460	2013/04/18 15:56:37	0.110	0.161
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462	2013/04/18 15:58:37	0.110	0.161
463	2013/04/18 15:59:37	0.111	0.161
464	2013/04/18 16:00:37	0.111	0.161
465	2013/04/18 16:01:37	0.111	0.161
466	2013/04/18 16:02:37	0.112	0.160
467	2013/04/18 16:03:37	0.112	0.161
468	2013/04/18 16:04:37	0.112	0.162
469	2013/04/18 16:05:37	0.113	0.162
470	2013/04/18 16:06:37	0.113	0.160
471	2013/04/18 16:07:37	0.113	0.161
472	2013/04/18 16:08:37	0.114	0.161
473	2013/04/18 16:09:37	0.114	0.160
474	2013/04/18 16:10:37	0.114	0.161
475	2013/04/18 16:11:37	0.115	0.162
476	2013/04/18 16:12:37	0.115	0.161
477	2013/04/18 16:13:37	0.115	0.162
478	2013/04/18 16:14:37	0.116	0.162
479	2013/04/18 16:15:37	0.116	0.162
480	2013/04/18 16:16:37	0.116	0.163
481	2013/04/18 16:17:37	0.117	0.164
482	2013/04/18 16:18:37	0.117	0.164
483	2013/04/18 16:19:37	0.118	0.165
484	2013/04/18 16:20:37	0.118	0.165
485	2013/04/18 16:21:37	0.118	0.166
486	2013/04/18 16:22:37	0.119	0.166
487	2013/04/18 16:23:37	0.119	0.167
488	2013/04/18 16:24:37	0.119	0.168
489	2013/04/18 16:25:37	0.120	0.169
490	2013/04/18 16:26:37	0.120	0.169
491	2013/04/18 16:27:37	0.120	0.170
492	2013/04/18 16:28:37	0.121	0.171
493	2013/04/18 16:29:37	0.121	0.172
494	2013/04/18 16:30:37	0.121	0.172
495	2013/04/18 16:31:37	0.122	0.171
496	2013/04/18 16:32:37	0.122	0.171
497	2013/04/18 16:33:37	0.123	0.171
498	2013/04/18 16:34:37	0.123	0.171
499	2013/04/18 16:35:37	0.123	0.171
500	2013/04/18 16:36:37	0.124	0.170
501	2013/04/18 16:37:37	0.124	0.169
502	2013/04/18 16:38:37	0.124	0.168
503	2013/04/18 16:39:37	0.125	0.167
504	2013/04/18 16:40:37	0.125	0.166
505	2013/04/18 16:41:37	0.125	0.165
506	2013/04/18 16:42:37	0.125	0.163
507	2013/04/18 16:43:37	0.126	0.162
508	2013/04/18 16:44:37	0.126	0.160
509	2013/04/18 16:45:37	0.126	0.159
510	2013/04/18 16:46:37	0.127	0.158

511	2013/04/18 16:47:37	0.127	0.155
512	2013/04/18 16:48:37	0.127	0.154
513	2013/04/18 16:49:37	0.128	0.152
514	2013/04/18 16:50:37	0.128	0.150
515	2013/04/18 16:51:37	0.128	0.149
516	2013/04/18 16:52:37	0.128	0.148
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522	2013/04/18 16:58:37	0.130	0.143
523	2013/04/18 16:59:37	0.131	0.143
524	2013/04/18 17:00:37	0.131	0.144
525	2013/04/18 17:01:37	0.131	0.144
526	2013/04/18 17:02:37	0.132	0.146
527	2013/04/18 17:03:37	0.132	0.147
528	2013/04/18 17:04:37	0.132	0.149
529	2013/04/18 17:05:37	0.133	0.150
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531	2013/04/18 17:07:37	0.133	0.153
532	2013/04/18 17:08:37	0.134	0.155
533	2013/04/18 17:09:37	0.134	0.156
534	2013/04/18 17:10:37	0.134	0.158
535	2013/04/18 17:11:37	0.135	0.159
536	2013/04/18 17:12:37	0.135	0.161
537	2013/04/18 17:13:37	0.135	0.161
538	2013/04/18 17:14:37	0.136	0.162
539	2013/04/18 17:15:37	0.136	0.162
540	2013/04/18 17:16:37	0.136	0.162
541	2013/04/18 17:17:37	0.137	0.163
542	2013/04/18 17:18:37	0.137	0.163
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547	2013/04/18 17:23:37	0.139	0.158
548	2013/04/18 17:24:37	0.139	0.157
549	2013/04/18 17:25:37	0.139	0.155
550	2013/04/18 17:26:37	0.139	0.154
551	2013/04/18 17:27:37	0.140	0.152
552	2013/04/18 17:28:37	0.140	0.150
553	2013/04/18 17:29:37	0.140	0.149
554	2013/04/18 17:30:37	0.141	0.147
555	2013/04/18 17:31:37	0.141	0.146
556	2013/04/18 17:32:37	0.141	0.144
557	2013/04/18 17:33:37	0.141	0.143
558	2013/04/18 17:34:37	0.142	0.142
559	2013/04/18 17:35:37	0.142	0.141
560	2013/04/18 17:36:37	0.142	0.140
561	2013/04/18 17:37:37	0.143	0.139
562	2013/04/18 17:38:37	0.143	0.138
563	2013/04/18 17:39:37	0.143	0.137
564	2013/04/18 17:40:37	0.143	0.136
565	2013/04/18 17:41:37	0.144	0.135
566	2013/04/18 17:42:37	0.144	0.135
567	2013/04/18 17:43:37	0.144	0.135
568	2013/04/18 17:44:37	0.145	0.134
569	2013/04/18 17:45:37	0.145	0.134
570	2013/04/18 17:46:37	0.145	0.133
571	2013/04/18 17:47:37	0.145	0.133
572	2013/04/18 17:48:37	0.146	0.132
573	2013/04/18 17:49:37	0.146	0.131

574 2013/04/18 17:50:37 0.146 0.131
575 2013/04/18 17:51:37 0.146 0.131

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13/04/19 08:29

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909735
Unit Firmware Ver V1.20

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/19 08:29:10
End 2013/04/19 10:30:30
Sample Period(s) 60
Number of Records 121

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/16 08:28
Peak 0.155
Min 0.004
Average 0.079

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/19 08:30:10	0.020	0.034	0.015
002	2013/04/19 08:31:10	0.009	0.015	0.007
003	2013/04/19 08:32:10	0.006	0.008	0.005
004	2013/04/19 08:33:10	0.004	0.005	0.004
005	2013/04/19 08:34:10	0.011	0.039	0.008
006	2013/04/19 08:35:10	0.006	0.008	0.007
007	2013/04/19 08:36:10	0.009	0.011	0.011
008	2013/04/19 08:37:10	0.020	0.055	0.016
009	2013/04/19 08:38:10	0.027	0.087	0.019
010	2013/04/19 08:39:10	0.033	0.061	0.026
011	2013/04/19 08:40:10	0.032	0.086	0.022
012	2013/04/19 08:41:10	0.026	0.041	0.024
013	2013/04/19 08:42:10	0.034	0.052	0.027
014	2013/04/19 08:43:10	0.037	0.057	0.028
015	2013/04/19 08:44:10	0.045	0.094	0.029
016	2013/04/19 08:45:10	0.035	0.055	0.033
017	2013/04/19 08:46:10	0.049	0.084	0.051
018	2013/04/19 08:47:10	0.038	0.045	0.045
019	2013/04/19 08:48:10	0.054	0.090	0.090

020	2013/04/19	08:49:10	0.089	0.168	0.076
021	2013/04/19	08:50:10	0.055	0.119	0.047
022	2013/04/19	08:51:10	0.061	0.105	0.057
023	2013/04/19	08:52:10	0.049	0.069	0.055
024	2013/04/19	08:53:10	0.051	0.067	0.046
025	2013/04/19	08:54:10	0.054	0.071	0.052
026	2013/04/19	08:55:10	0.061	0.090	0.067
027	2013/04/19	08:56:10	0.060	0.085	0.070
028	2013/04/19	08:57:10	0.060	0.083	0.054
029	2013/04/19	08:58:10	0.066	0.085	0.072
030	2013/04/19	08:59:10	0.060	0.069	0.057
031	2013/04/19	09:00:10	0.061	0.079	0.058
032	2013/04/19	09:01:10	0.060	0.062	0.062
033	2013/04/19	09:02:10	0.065	0.086	0.070
034	2013/04/19	09:03:10	0.080	0.109	0.085
035	2013/04/19	09:04:10	0.068	0.090	0.065
036	2013/04/19	09:05:10	0.072	0.084	0.079
037	2013/04/19	09:06:10	0.082	0.168	0.083
038	2013/04/19	09:07:10	0.081	0.109	0.075
039	2013/04/19	09:08:10	0.077	0.112	0.095
040	2013/04/19	09:09:10	0.080	0.103	0.103
041	2013/04/19	09:10:10	0.081	0.115	0.097
042	2013/04/19	09:11:10	0.091	0.127	0.109
043	2013/04/19	09:12:10	0.087	0.110	0.075
044	2013/04/19	09:13:10	0.085	0.119	0.092
045	2013/04/19	09:14:10	0.077	0.102	0.075
046	2013/04/19	09:15:10	0.078	0.082	0.078
047	2013/04/19	09:16:10	0.078	0.079	0.078
048	2013/04/19	09:17:10	0.078	0.080	0.079
049	2013/04/19	09:18:10	0.083	0.098	0.092
050	2013/04/19	09:19:10	0.083	0.108	0.091
051	2013/04/19	09:20:10	0.088	0.119	0.084
052	2013/04/19	09:21:10	0.083	0.095	0.087
053	2013/04/19	09:22:10	0.085	0.114	0.083
054	2013/04/19	09:23:10	0.090	0.130	0.083
055	2013/04/19	09:24:10	0.091	0.119	0.096
056	2013/04/19	09:25:10	0.084	0.096	0.082
057	2013/04/19	09:26:10	0.083	0.084	0.084
058	2013/04/19	09:27:10	0.084	0.085	0.084
059	2013/04/19	09:28:10	0.084	0.086	0.085
060	2013/04/19	09:29:10	0.084	0.085	0.085
061	2013/04/19	09:30:10	0.085	0.086	0.084
062	2013/04/19	09:31:10	0.084	0.085	0.085
063	2013/04/19	09:32:10	0.084	0.086	0.085
064	2013/04/19	09:33:10	0.084	0.086	0.084
065	2013/04/19	09:34:10	0.085	0.086	0.086
066	2013/04/19	09:35:10	0.085	0.087	0.086
067	2013/04/19	09:36:10	0.093	0.118	0.088
068	2013/04/19	09:37:10	0.092	0.119	0.104
069	2013/04/19	09:38:10	0.097	0.135	0.081
070	2013/04/19	09:39:10	0.090	0.110	0.093
071	2013/04/19	09:40:10	0.096	0.169	0.155
072	2013/04/19	09:41:10	0.097	0.137	0.109
073	2013/04/19	09:42:10	0.092	0.111	0.111
074	2013/04/19	09:43:10	0.095	0.121	0.097
075	2013/04/19	09:44:10	0.089	0.105	0.089
076	2013/04/19	09:45:10	0.090	0.114	0.099
077	2013/04/19	09:46:10	0.087	0.097	0.087
078	2013/04/19	09:47:10	0.098	0.118	0.098
079	2013/04/19	09:48:10	0.104	0.132	0.116
080	2013/04/19	09:49:10	0.089	0.110	0.094
081	2013/04/19	09:50:10	0.090	0.116	0.088
082	2013/04/19	09:51:10	0.094	0.123	0.094

083	2013/04/19 09:52:10	0.096	0.145	0.089
084	2013/04/19 09:53:10	0.098	0.124	0.084
085	2013/04/19 09:54:10	0.092	0.117	0.086
086	2013/04/19 09:55:10	0.088	0.104	0.087
087	2013/04/19 09:56:10	0.087	0.089	0.087
088	2013/04/19 09:57:10	0.093	0.112	0.095
089	2013/04/19 09:58:10	0.092	0.109	0.094
090	2013/04/19 09:59:10	0.096	0.111	0.089
091	2013/04/19 10:00:10	0.107	0.143	0.095
092	2013/04/19 10:01:10	0.099	0.129	0.098
093	2013/04/19 10:02:10	0.100	0.172	0.095
094	2013/04/19 10:03:10	0.094	0.114	0.109
095	2013/04/19 10:04:10	0.103	0.144	0.137
096	2013/04/19 10:05:10	0.091	0.126	0.090
097	2013/04/19 10:06:10	0.097	0.142	0.105
098	2013/04/19 10:07:10	0.099	0.131	0.098
099	2013/04/19 10:08:10	0.096	0.112	0.103
100	2013/04/19 10:09:10	0.097	0.121	0.094
101	2013/04/19 10:10:10	0.098	0.131	0.090
102	2013/04/19 10:11:10	0.096	0.120	0.091
103	2013/04/19 10:12:10	0.100	0.122	0.090
104	2013/04/19 10:13:10	0.099	0.116	0.104
105	2013/04/19 10:14:10	0.101	0.131	0.095
106	2013/04/19 10:15:10	0.101	0.122	0.096
107	2013/04/19 10:16:10	0.099	0.120	0.100
108	2013/04/19 10:17:10	0.113	0.139	0.106
109	2013/04/19 10:18:10	0.105	0.130	0.096
110	2013/04/19 10:19:10	0.102	0.130	0.107
111	2013/04/19 10:20:10	0.103	0.113	0.101
112	2013/04/19 10:21:10	0.110	0.165	0.099
113	2013/04/19 10:22:10	0.103	0.117	0.107
114	2013/04/19 10:23:10	0.104	0.130	0.101
115	2013/04/19 10:24:10	0.102	0.104	0.103
116	2013/04/19 10:25:10	0.103	0.105	0.104
117	2013/04/19 10:26:10	0.104	0.106	0.105
118	2013/04/19 10:27:10	0.105	0.106	0.105
119	2013/04/19 10:28:10	0.105	0.106	0.104
120	2013/04/19 10:29:10	0.104	0.105	0.105
121	2013/04/19 10:30:10	0.104	0.106	0.105
Peak		0.113	0.172	0.155
Min		0.004	0.005	0.004
Average		0.078	0.101	0.079

****

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/04/19 08:30:10	0.000	---	
002	2013/04/19 08:31:10	0.000	---	
003	2013/04/19 08:32:10	0.000	---	
004	2013/04/19 08:33:10	0.000	---	
005	2013/04/19 08:34:10	0.000	---	
006	2013/04/19 08:35:10	0.000	---	
007	2013/04/19 08:36:10	0.000	---	
008	2013/04/19 08:37:10	0.000	---	
009	2013/04/19 08:38:10	0.000	---	
010	2013/04/19 08:39:10	0.000	---	
011	2013/04/19 08:40:10	0.000	---	
012	2013/04/19 08:41:10	0.000	---	
013	2013/04/19 08:42:10	0.000	---	
014	2013/04/19 08:43:10	0.000	---	
015	2013/04/19 08:44:10	0.001	0.017	
016	2013/04/19 08:45:10	0.001	0.018	

017	2013/04/19 08:46:10	0.001	0.021
018	2013/04/19 08:47:10	0.001	0.023
019	2013/04/19 08:48:10	0.001	0.029
020	2013/04/19 08:49:10	0.001	0.034
021	2013/04/19 08:50:10	0.001	0.036
022	2013/04/19 08:51:10	0.001	0.039
023	2013/04/19 08:52:10	0.001	0.042
024	2013/04/19 08:53:10	0.002	0.044
025	2013/04/19 08:54:10	0.002	0.045
026	2013/04/19 08:55:10	0.002	0.048
027	2013/04/19 08:56:10	0.002	0.052
028	2013/04/19 08:57:10	0.002	0.053
029	2013/04/19 08:58:10	0.002	0.056
030	2013/04/19 08:59:10	0.002	0.058
031	2013/04/19 09:00:10	0.002	0.060
032	2013/04/19 09:01:10	0.003	0.061
033	2013/04/19 09:02:10	0.003	0.062
034	2013/04/19 09:03:10	0.003	0.062
035	2013/04/19 09:04:10	0.003	0.061
036	2013/04/19 09:05:10	0.003	0.063
037	2013/04/19 09:06:10	0.003	0.065
038	2013/04/19 09:07:10	0.004	0.066
039	2013/04/19 09:08:10	0.004	0.070
040	2013/04/19 09:09:10	0.004	0.073
041	2013/04/19 09:10:10	0.004	0.075
042	2013/04/19 09:11:10	0.004	0.078
043	2013/04/19 09:12:10	0.005	0.079
044	2013/04/19 09:13:10	0.005	0.080
045	2013/04/19 09:14:10	0.005	0.082
046	2013/04/19 09:15:10	0.005	0.083
047	2013/04/19 09:16:10	0.005	0.084
048	2013/04/19 09:17:10	0.005	0.085
049	2013/04/19 09:18:10	0.006	0.085
050	2013/04/19 09:19:10	0.006	0.087
051	2013/04/19 09:20:10	0.006	0.087
052	2013/04/19 09:21:10	0.006	0.087
053	2013/04/19 09:22:10	0.006	0.088
054	2013/04/19 09:23:10	0.006	0.087
055	2013/04/19 09:24:10	0.007	0.087
056	2013/04/19 09:25:10	0.007	0.086
057	2013/04/19 09:26:10	0.007	0.084
058	2013/04/19 09:27:10	0.007	0.085
059	2013/04/19 09:28:10	0.007	0.084
060	2013/04/19 09:29:10	0.008	0.085
061	2013/04/19 09:30:10	0.008	0.085
062	2013/04/19 09:31:10	0.008	0.086
063	2013/04/19 09:32:10	0.008	0.086
064	2013/04/19 09:33:10	0.008	0.085
065	2013/04/19 09:34:10	0.008	0.085
066	2013/04/19 09:35:10	0.009	0.085
067	2013/04/19 09:36:10	0.009	0.085
068	2013/04/19 09:37:10	0.009	0.087
069	2013/04/19 09:38:10	0.009	0.087
070	2013/04/19 09:39:10	0.009	0.086
071	2013/04/19 09:40:10	0.010	0.091
072	2013/04/19 09:41:10	0.010	0.093
073	2013/04/19 09:42:10	0.010	0.095
074	2013/04/19 09:43:10	0.010	0.096
075	2013/04/19 09:44:10	0.011	0.096
076	2013/04/19 09:45:10	0.011	0.097
077	2013/04/19 09:46:10	0.011	0.097
078	2013/04/19 09:47:10	0.011	0.098
079	2013/04/19 09:48:10	0.011	0.100

080	2013/04/19	09:49:10	0.012 0.100
081	2013/04/19	09:50:10	0.012 0.101
082	2013/04/19	09:51:10	0.012 0.101
083	2013/04/19	09:52:10	0.012 0.100
084	2013/04/19	09:53:10	0.012 0.100
085	2013/04/19	09:54:10	0.012 0.100
086	2013/04/19	09:55:10	0.013 0.095
087	2013/04/19	09:56:10	0.013 0.094
088	2013/04/19	09:57:10	0.013 0.093
089	2013/04/19	09:58:10	0.013 0.092
090	2013/04/19	09:59:10	0.013 0.092
091	2013/04/19	10:00:10	0.014 0.092
092	2013/04/19	10:01:10	0.014 0.093
093	2013/04/19	10:02:10	0.014 0.093
094	2013/04/19	10:03:10	0.014 0.092
095	2013/04/19	10:04:10	0.015 0.095
096	2013/04/19	10:05:10	0.015 0.095
097	2013/04/19	10:06:10	0.015 0.096
098	2013/04/19	10:07:10	0.015 0.097
099	2013/04/19	10:08:10	0.015 0.098
100	2013/04/19	10:09:10	0.016 0.098
101	2013/04/19	10:10:10	0.016 0.099
102	2013/04/19	10:11:10	0.016 0.099
103	2013/04/19	10:12:10	0.016 0.099
104	2013/04/19	10:13:10	0.016 0.099
105	2013/04/19	10:14:10	0.017 0.100
106	2013/04/19	10:15:10	0.017 0.100
107	2013/04/19	10:16:10	0.017 0.100
108	2013/04/19	10:17:10	0.017 0.101
109	2013/04/19	10:18:10	0.017 0.100
110	2013/04/19	10:19:10	0.018 0.098
111	2013/04/19	10:20:10	0.018 0.098
112	2013/04/19	10:21:10	0.018 0.098
113	2013/04/19	10:22:10	0.018 0.099
114	2013/04/19	10:23:10	0.018 0.098
115	2013/04/19	10:24:10	0.019 0.099
116	2013/04/19	10:25:10	0.019 0.100
117	2013/04/19	10:26:10	0.019 0.101
118	2013/04/19	10:27:10	0.019 0.102
119	2013/04/19	10:28:10	0.020 0.102
120	2013/04/19	10:29:10	0.020 0.103
121	2013/04/19	10:30:10	0.020 0.103

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13/04/23 07:57

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909735
Unit Firmware Ver V1.20

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/23 07:57:57
End 2013/04/23 08:42:54

Sample Period(s) 60
Number of Records 44

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/22 08:19
Peak 0.288
Min 0.002
Average 0.184

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/23 07:58:57	0.011	0.035	0.006
002	2013/04/23 07:59:57	0.005	0.008	0.002
003	2013/04/23 08:00:57	0.006	0.008	0.007
004	2013/04/23 08:01:57	0.009	0.014	0.014
005	2013/04/23 08:02:57	0.012	0.019	0.019
006	2013/04/23 08:03:57	0.036	0.053	0.053
007	2013/04/23 08:04:57	0.066	0.077	0.077
008	2013/04/23 08:05:57	0.085	0.093	0.087
009	2013/04/23 08:06:57	0.099	0.107	0.102
010	2013/04/23 08:07:57	0.109	0.116	0.115
011	2013/04/23 08:08:57	0.124	0.131	0.128
012	2013/04/23 08:09:57	0.135	0.147	0.134
013	2013/04/23 08:10:57	0.137	0.154	0.154
014	2013/04/23 08:11:57	0.153	0.165	0.165
015	2013/04/23 08:12:57	0.167	0.173	0.168
016	2013/04/23 08:13:57	0.172	0.175	0.175
017	2013/04/23 08:14:57	0.179	0.184	0.184
018	2013/04/23 08:15:57	0.186	0.191	0.191
019	2013/04/23 08:16:57	0.195	0.201	0.201
020	2013/04/23 08:17:57	0.202	0.209	0.207
021	2013/04/23 08:18:57	0.205	0.215	0.194
022	2013/04/23 08:19:57	0.205	0.213	0.213
023	2013/04/23 08:20:57	0.211	0.225	0.208
024	2013/04/23 08:21:57	0.214	0.226	0.222
025	2013/04/23 08:22:57	0.221	0.232	0.220
026	2013/04/23 08:23:57	0.224	0.227	0.227
027	2013/04/23 08:24:57	0.230	0.239	0.237
028	2013/04/23 08:25:57	0.235	0.239	0.223
029	2013/04/23 08:26:57	0.221	0.242	0.226
030	2013/04/23 08:27:57	0.242	0.248	0.243
031	2013/04/23 08:28:57	0.244	0.247	0.246
032	2013/04/23 08:29:57	0.233	0.250	0.247
033	2013/04/23 08:30:57	0.253	0.259	0.253
034	2013/04/23 08:31:57	0.238	0.257	0.257
035	2013/04/23 08:32:57	0.255	0.264	0.255
036	2013/04/23 08:33:57	0.256	0.267	0.261
037	2013/04/23 08:34:57	0.253	0.267	0.266
038	2013/04/23 08:35:57	0.254	0.268	0.262
039	2013/04/23 08:36:57	0.268	0.277	0.258
040	2013/04/23 08:37:57	0.268	0.276	0.274
041	2013/04/23 08:38:57	0.272	0.277	0.272
042	2013/04/23 08:39:57	0.279	0.288	0.283

043	2013/04/23 08:40:57	0.280	0.284	0.282
044	2013/04/23 08:41:57	0.285	0.292	0.288
Peak		0.285	0.292	0.288
Min		0.005	0.008	0.002
Average		0.180	0.190	0.184

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/04/23 07:58:57	0.000	---	
002	2013/04/23 07:59:57	0.000	---	
003	2013/04/23 08:00:57	0.000	---	
004	2013/04/23 08:01:57	0.000	---	
005	2013/04/23 08:02:57	0.000	---	
006	2013/04/23 08:03:57	0.000	---	
007	2013/04/23 08:04:57	0.000	---	
008	2013/04/23 08:05:57	0.001	---	
009	2013/04/23 08:06:57	0.001	---	
010	2013/04/23 08:07:57	0.001	---	
011	2013/04/23 08:08:57	0.001	---	
012	2013/04/23 08:09:57	0.002	---	
013	2013/04/23 08:10:57	0.002	---	
014	2013/04/23 08:11:57	0.002	---	
015	2013/04/23 08:12:57	0.003	0.082	
016	2013/04/23 08:13:57	0.003	0.093	
017	2013/04/23 08:14:57	0.003	0.105	
018	2013/04/23 08:15:57	0.004	0.118	
019	2013/04/23 08:16:57	0.004	0.130	
020	2013/04/23 08:17:57	0.005	0.143	
021	2013/04/23 08:18:57	0.005	0.152	
022	2013/04/23 08:19:57	0.005	0.161	
023	2013/04/23 08:20:57	0.006	0.169	
024	2013/04/23 08:21:57	0.006	0.177	
025	2013/04/23 08:22:57	0.007	0.184	
026	2013/04/23 08:23:57	0.007	0.191	
027	2013/04/23 08:24:57	0.008	0.198	
028	2013/04/23 08:25:57	0.008	0.202	
029	2013/04/23 08:26:57	0.009	0.206	
030	2013/04/23 08:27:57	0.009	0.211	
031	2013/04/23 08:28:57	0.010	0.216	
032	2013/04/23 08:29:57	0.010	0.220	
033	2013/04/23 08:30:57	0.011	0.224	
034	2013/04/23 08:31:57	0.011	0.228	
035	2013/04/23 08:32:57	0.012	0.231	
036	2013/04/23 08:33:57	0.012	0.236	
037	2013/04/23 08:34:57	0.013	0.239	
038	2013/04/23 08:35:57	0.013	0.243	
039	2013/04/23 08:36:57	0.014	0.245	
040	2013/04/23 08:37:57	0.015	0.249	
041	2013/04/23 08:38:57	0.015	0.252	
042	2013/04/23 08:39:57	0.016	0.255	
043	2013/04/23 08:40:57	0.016	0.259	
044	2013/04/23 08:41:57	0.017	0.263	

TrakPro Version 4.61 ASCII Data File

Model:	DustTrak DRX
Model Number:	8533
Serial Number:	8533141203
Test ID:	1
Test Abbreviation:	MANUAL_001
Start Date:	9/11/2014
Start Time:	9:55:38
Duration (dd:hh:mm:ss):	0:05:53:00
Log Interval (mm:ss):	1:00
Number of points:	353
Notes:	

Statistics	Channel:	TOTAL
	Units:	mg/m^3
	Average:	0.016
	Minimum:	0.007
	Time of Minimum:	15:44:38
	Date of Minimum:	9/11/2014
	Maximum:	0.06
	Time of Maximum:	9:56:38
	Date of Maximum:	9/11/2014

Calibration	Sensor:	AEROSOL
	Cal. date	3/17/2014

Date	Time	TOTAL
MM/dd/yyyy	hh:mm:ss	mg/m^3
9/11/2014	9:56:38	0.06
9/11/2014	9:57:38	0.028
9/11/2014	9:58:38	0.027
9/11/2014	9:59:38	0.026
9/11/2014	10:00:38	0.027
9/11/2014	10:01:38	0.025
9/11/2014	10:02:38	0.025
9/11/2014	10:03:38	0.025
9/11/2014	10:04:38	0.025
9/11/2014	10:05:38	0.025
9/11/2014	10:06:38	0.026
9/11/2014	10:07:38	0.027
9/11/2014	10:08:38	0.025
9/11/2014	10:09:38	0.026
9/11/2014	10:10:38	0.024
9/11/2014	10:11:38	0.024
9/11/2014	10:12:38	0.026
9/11/2014	10:13:38	0.024

9/11/2014	10:14:38	0.024
9/11/2014	10:15:38	0.024
9/11/2014	10:16:38	0.024
9/11/2014	10:17:38	0.024
9/11/2014	10:18:38	0.024
9/11/2014	10:19:38	0.024
9/11/2014	10:20:38	0.023
9/11/2014	10:21:38	0.025
9/11/2014	10:22:38	0.024
9/11/2014	10:23:38	0.024
9/11/2014	10:24:38	0.023
9/11/2014	10:25:38	0.025
9/11/2014	10:26:38	0.023
9/11/2014	10:27:38	0.025
9/11/2014	10:28:38	0.025
9/11/2014	10:29:38	0.025
9/11/2014	10:30:38	0.025
9/11/2014	10:31:38	0.025
9/11/2014	10:32:38	0.025
9/11/2014	10:33:38	0.026
9/11/2014	10:34:38	0.023
9/11/2014	10:35:38	0.024
9/11/2014	10:36:38	0.03
9/11/2014	10:37:38	0.023
9/11/2014	10:38:38	0.023
9/11/2014	10:39:38	0.036
9/11/2014	10:40:38	0.023
9/11/2014	10:41:38	0.023
9/11/2014	10:42:38	0.022
9/11/2014	10:43:38	0.024
9/11/2014	10:44:38	0.027
9/11/2014	10:45:38	0.036
9/11/2014	10:46:38	0.023
9/11/2014	10:47:38	0.028
9/11/2014	10:48:38	0.022
9/11/2014	10:49:38	0.023
9/11/2014	10:50:38	0.023
9/11/2014	10:51:38	0.025
9/11/2014	10:52:38	0.023
9/11/2014	10:53:38	0.022
9/11/2014	10:54:38	0.023
9/11/2014	10:55:38	0.027
9/11/2014	10:56:38	0.021
9/11/2014	10:57:38	0.023
9/11/2014	10:58:38	0.022
9/11/2014	10:59:38	0.026
9/11/2014	11:00:38	0.026

9/11/2014	11:01:38	0.025
9/11/2014	11:02:38	0.028
9/11/2014	11:03:38	0.023
9/11/2014	11:04:38	0.022
9/11/2014	11:05:38	0.023
9/11/2014	11:06:38	0.024
9/11/2014	11:07:38	0.022
9/11/2014	11:08:38	0.023
9/11/2014	11:09:38	0.027
9/11/2014	11:10:38	0.024
9/11/2014	11:11:38	0.025
9/11/2014	11:12:38	0.023
9/11/2014	11:13:38	0.023
9/11/2014	11:14:38	0.025
9/11/2014	11:15:38	0.031
9/11/2014	11:16:38	0.043
9/11/2014	11:17:38	0.027
9/11/2014	11:18:38	0.028
9/11/2014	11:19:38	0.026
9/11/2014	11:20:38	0.024
9/11/2014	11:21:38	0.022
9/11/2014	11:22:38	0.022
9/11/2014	11:23:38	0.023
9/11/2014	11:24:38	0.037
9/11/2014	11:25:38	0.028
9/11/2014	11:26:38	0.023
9/11/2014	11:27:38	0.025
9/11/2014	11:28:38	0.024
9/11/2014	11:29:38	0.027
9/11/2014	11:30:38	0.024
9/11/2014	11:31:38	0.021
9/11/2014	11:32:38	0.02
9/11/2014	11:33:38	0.02
9/11/2014	11:34:38	0.02
9/11/2014	11:35:38	0.02
9/11/2014	11:36:38	0.02
9/11/2014	11:37:38	0.02
9/11/2014	11:38:38	0.019
9/11/2014	11:39:38	0.019
9/11/2014	11:40:38	0.019
9/11/2014	11:41:38	0.019
9/11/2014	11:42:38	0.019
9/11/2014	11:43:38	0.019
9/11/2014	11:44:38	0.023
9/11/2014	11:45:38	0.02
9/11/2014	11:46:38	0.018
9/11/2014	11:47:38	0.021

9/11/2014	11:48:38	0.021
9/11/2014	11:49:38	0.019
9/11/2014	11:50:38	0.021
9/11/2014	11:51:38	0.019
9/11/2014	11:52:38	0.024
9/11/2014	11:53:38	0.024
9/11/2014	11:54:38	0.019
9/11/2014	11:55:38	0.016
9/11/2014	11:56:38	0.014
9/11/2014	11:57:38	0.012
9/11/2014	11:58:38	0.012
9/11/2014	11:59:38	0.011
9/11/2014	12:00:38	0.012
9/11/2014	12:01:38	0.012
9/11/2014	12:02:38	0.012
9/11/2014	12:03:38	0.012
9/11/2014	12:04:38	0.013
9/11/2014	12:05:38	0.012
9/11/2014	12:06:38	0.013
9/11/2014	12:07:38	0.012
9/11/2014	12:08:38	0.012
9/11/2014	12:09:38	0.013
9/11/2014	12:10:38	0.012
9/11/2014	12:11:38	0.012
9/11/2014	12:12:38	0.012
9/11/2014	12:13:38	0.013
9/11/2014	12:14:38	0.013
9/11/2014	12:15:38	0.012
9/11/2014	12:16:38	0.012
9/11/2014	12:17:38	0.012
9/11/2014	12:18:38	0.012
9/11/2014	12:19:38	0.015
9/11/2014	12:20:38	0.017
9/11/2014	12:21:38	0.016
9/11/2014	12:22:38	0.015
9/11/2014	12:23:38	0.015
9/11/2014	12:24:38	0.019
9/11/2014	12:25:38	0.016
9/11/2014	12:26:38	0.015
9/11/2014	12:27:38	0.014
9/11/2014	12:28:38	0.015
9/11/2014	12:29:38	0.015
9/11/2014	12:30:38	0.014
9/11/2014	12:31:38	0.017
9/11/2014	12:32:38	0.013
9/11/2014	12:33:38	0.014
9/11/2014	12:34:38	0.015

9/11/2014	12:35:38	0.016
9/11/2014	12:36:38	0.013
9/11/2014	12:37:38	0.015
9/11/2014	12:38:38	0.013
9/11/2014	12:39:38	0.012
9/11/2014	12:40:38	0.012
9/11/2014	12:41:38	0.012
9/11/2014	12:42:38	0.013
9/11/2014	12:43:38	0.012
9/11/2014	12:44:38	0.011
9/11/2014	12:45:38	0.012
9/11/2014	12:46:38	0.011
9/11/2014	12:47:38	0.011
9/11/2014	12:48:38	0.011
9/11/2014	12:49:38	0.011
9/11/2014	12:50:38	0.011
9/11/2014	12:51:38	0.012
9/11/2014	12:52:38	0.011
9/11/2014	12:53:38	0.012
9/11/2014	12:54:38	0.011
9/11/2014	12:55:38	0.011
9/11/2014	12:56:38	0.01
9/11/2014	12:57:38	0.013
9/11/2014	12:58:38	0.011
9/11/2014	12:59:38	0.01
9/11/2014	13:00:38	0.011
9/11/2014	13:01:38	0.011
9/11/2014	13:02:38	0.011
9/11/2014	13:03:38	0.011
9/11/2014	13:04:38	0.012
9/11/2014	13:05:38	0.011
9/11/2014	13:06:38	0.011
9/11/2014	13:07:38	0.011
9/11/2014	13:08:38	0.01
9/11/2014	13:09:38	0.011
9/11/2014	13:10:38	0.011
9/11/2014	13:11:38	0.011
9/11/2014	13:12:38	0.011
9/11/2014	13:13:38	0.012
9/11/2014	13:14:38	0.011
9/11/2014	13:15:38	0.011
9/11/2014	13:16:38	0.011
9/11/2014	13:17:38	0.01
9/11/2014	13:18:38	0.011
9/11/2014	13:19:38	0.01
9/11/2014	13:20:38	0.011
9/11/2014	13:21:38	0.01

9/11/2014	13:22:38	0.012
9/11/2014	13:23:38	0.01
9/11/2014	13:24:38	0.009
9/11/2014	13:25:38	0.009
9/11/2014	13:26:38	0.009
9/11/2014	13:27:38	0.009
9/11/2014	13:28:38	0.009
9/11/2014	13:29:38	0.01
9/11/2014	13:30:38	0.009
9/11/2014	13:31:38	0.01
9/11/2014	13:32:38	0.01
9/11/2014	13:33:38	0.01
9/11/2014	13:34:38	0.01
9/11/2014	13:35:38	0.01
9/11/2014	13:36:38	0.012
9/11/2014	13:37:38	0.009
9/11/2014	13:38:38	0.011
9/11/2014	13:39:38	0.01
9/11/2014	13:40:38	0.016
9/11/2014	13:41:38	0.01
9/11/2014	13:42:38	0.01
9/11/2014	13:43:38	0.009
9/11/2014	13:44:38	0.009
9/11/2014	13:45:38	0.009
9/11/2014	13:46:38	0.01
9/11/2014	13:47:38	0.01
9/11/2014	13:48:38	0.011
9/11/2014	13:49:38	0.01
9/11/2014	13:50:38	0.011
9/11/2014	13:51:38	0.01
9/11/2014	13:52:38	0.009
9/11/2014	13:53:38	0.011
9/11/2014	13:54:38	0.01
9/11/2014	13:55:38	0.009
9/11/2014	13:56:38	0.009
9/11/2014	13:57:38	0.009
9/11/2014	13:58:38	0.01
9/11/2014	13:59:38	0.009
9/11/2014	14:00:38	0.012
9/11/2014	14:01:38	0.01
9/11/2014	14:02:38	0.01
9/11/2014	14:03:38	0.01
9/11/2014	14:04:38	0.01
9/11/2014	14:05:38	0.01
9/11/2014	14:06:38	0.011
9/11/2014	14:07:38	0.011
9/11/2014	14:08:38	0.011

9/11/2014	14:09:38	0.01
9/11/2014	14:10:38	0.012
9/11/2014	14:11:38	0.009
9/11/2014	14:12:38	0.009
9/11/2014	14:13:38	0.01
9/11/2014	14:14:38	0.01
9/11/2014	14:15:38	0.01
9/11/2014	14:16:38	0.012
9/11/2014	14:17:38	0.01
9/11/2014	14:18:38	0.012
9/11/2014	14:19:38	0.012
9/11/2014	14:20:38	0.011
9/11/2014	14:21:38	0.01
9/11/2014	14:22:38	0.01
9/11/2014	14:23:38	0.012
9/11/2014	14:24:38	0.011
9/11/2014	14:25:38	0.012
9/11/2014	14:26:38	0.012
9/11/2014	14:27:38	0.01
9/11/2014	14:28:38	0.012
9/11/2014	14:29:38	0.01
9/11/2014	14:30:38	0.016
9/11/2014	14:31:38	0.01
9/11/2014	14:32:38	0.012
9/11/2014	14:33:38	0.013
9/11/2014	14:34:38	0.011
9/11/2014	14:35:38	0.011
9/11/2014	14:36:38	0.014
9/11/2014	14:37:38	0.011
9/11/2014	14:38:38	0.01
9/11/2014	14:39:38	0.013
9/11/2014	14:40:38	0.015
9/11/2014	14:41:38	0.011
9/11/2014	14:42:38	0.012
9/11/2014	14:43:38	0.011
9/11/2014	14:44:38	0.018
9/11/2014	14:45:38	0.012
9/11/2014	14:46:38	0.012
9/11/2014	14:47:38	0.012
9/11/2014	14:48:38	0.011
9/11/2014	14:49:38	0.01
9/11/2014	14:50:38	0.01
9/11/2014	14:51:38	0.01
9/11/2014	14:52:38	0.009
9/11/2014	14:53:38	0.01
9/11/2014	14:54:38	0.01
9/11/2014	14:55:38	0.01

9/11/2014	14:56:38	0.01
9/11/2014	14:57:38	0.011
9/11/2014	14:58:38	0.01
9/11/2014	14:59:38	0.009
9/11/2014	15:00:38	0.009
9/11/2014	15:01:38	0.009
9/11/2014	15:02:38	0.011
9/11/2014	15:03:38	0.01
9/11/2014	15:04:38	0.01
9/11/2014	15:05:38	0.009
9/11/2014	15:06:38	0.01
9/11/2014	15:07:38	0.008
9/11/2014	15:08:38	0.009
9/11/2014	15:09:38	0.01
9/11/2014	15:10:38	0.01
9/11/2014	15:11:38	0.01
9/11/2014	15:12:38	0.012
9/11/2014	15:13:38	0.012
9/11/2014	15:14:38	0.012
9/11/2014	15:15:38	0.013
9/11/2014	15:16:38	0.01
9/11/2014	15:17:38	0.01
9/11/2014	15:18:38	0.013
9/11/2014	15:19:38	0.013
9/11/2014	15:20:38	0.011
9/11/2014	15:21:38	0.01
9/11/2014	15:22:38	0.01
9/11/2014	15:23:38	0.01
9/11/2014	15:24:38	0.013
9/11/2014	15:25:38	0.01
9/11/2014	15:26:38	0.009
9/11/2014	15:27:38	0.011
9/11/2014	15:28:38	0.009
9/11/2014	15:29:38	0.009
9/11/2014	15:30:38	0.009
9/11/2014	15:31:38	0.009
9/11/2014	15:32:38	0.009
9/11/2014	15:33:38	0.009
9/11/2014	15:34:38	0.009
9/11/2014	15:35:38	0.011
9/11/2014	15:36:38	0.009
9/11/2014	15:37:38	0.009
9/11/2014	15:38:38	0.009
9/11/2014	15:39:38	0.009
9/11/2014	15:40:38	0.008
9/11/2014	15:41:38	0.016
9/11/2014	15:42:38	0.008

9/11/2014	15:43:38	0.008
9/11/2014	15:44:38	0.007
9/11/2014	15:45:38	0.007
9/11/2014	15:46:38	0.009
9/11/2014	15:47:38	0.007
9/11/2014	15:48:38	0.008

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14/09/11 09:42

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-912769
Unit Firmware Ver V1.20A

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2014/09/11 09:42:48
End 2014/09/11 15:51:29
Sample Period(s) 60
Number of Records 368

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2014/09/09 10:18
Peak 0.000
Min 0.000
Average 0.000

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2014/09/11 09:43:48	0.000	0.000	0.000
002	2014/09/11 09:44:48	0.000	0.000	0.000
003	2014/09/11 09:45:48	0.000	0.000	0.000
004	2014/09/11 09:46:48	0.000	0.000	0.000
005	2014/09/11 09:47:48	0.000	0.000	0.000
006	2014/09/11 09:48:48	0.000	0.000	0.000
007	2014/09/11 09:49:48	0.000	0.000	0.000
008	2014/09/11 09:50:48	0.000	0.000	0.000
009	2014/09/11 09:51:48	0.000	0.000	0.000
010	2014/09/11 09:52:48	0.000	0.000	0.000
011	2014/09/11 09:53:48	0.000	0.000	0.000
012	2014/09/11 09:54:48	0.000	0.000	0.000
013	2014/09/11 09:55:48	0.000	0.000	0.000
014	2014/09/11 09:56:48	0.000	0.000	0.000
015	2014/09/11 09:57:48	0.000	0.000	0.000
016	2014/09/11 09:58:48	0.000	0.000	0.000
017	2014/09/11 09:59:48	0.006	0.100	0.000
018	2014/09/11 10:00:48	0.000	0.000	0.000
019	2014/09/11 10:01:48	0.000	0.000	0.000
020	2014/09/11 10:02:48	0.000	0.000	0.000
021	2014/09/11 10:03:48	0.000	0.000	0.000

022	2014/09/11 10:04:48	0.000	0.000	0.000
023	2014/09/11 10:05:48	0.000	0.000	0.000
024	2014/09/11 10:06:48	0.000	0.000	0.000
025	2014/09/11 10:07:48	0.000	0.000	0.000
026	2014/09/11 10:08:48	0.000	0.000	0.000
027	2014/09/11 10:09:48	0.000	0.000	0.000
028	2014/09/11 10:10:48	0.000	0.000	0.000
029	2014/09/11 10:11:48	0.000	0.000	0.000
030	2014/09/11 10:12:48	0.000	0.000	0.000
031	2014/09/11 10:13:48	0.000	0.000	0.000
032	2014/09/11 10:14:48	0.000	0.000	0.000
033	2014/09/11 10:15:48	0.000	0.000	0.000
034	2014/09/11 10:16:48	0.000	0.000	0.000
035	2014/09/11 10:17:48	0.000	0.000	0.000
036	2014/09/11 10:18:48	0.000	0.000	0.000
037	2014/09/11 10:19:48	0.000	0.000	0.000
038	2014/09/11 10:20:48	0.000	0.000	0.000
039	2014/09/11 10:21:48	0.000	0.000	0.000
040	2014/09/11 10:22:48	0.000	0.000	0.000
041	2014/09/11 10:23:48	0.000	0.000	0.000
042	2014/09/11 10:24:48	0.000	0.000	0.000
043	2014/09/11 10:25:48	0.000	0.000	0.000
044	2014/09/11 10:26:48	0.000	0.000	0.000
045	2014/09/11 10:27:48	0.000	0.000	0.000
046	2014/09/11 10:28:48	0.000	0.000	0.000
047	2014/09/11 10:29:48	0.000	0.000	0.000
048	2014/09/11 10:30:48	0.000	0.000	0.000
049	2014/09/11 10:31:48	0.000	0.000	0.000
050	2014/09/11 10:32:48	0.000	0.000	0.000
051	2014/09/11 10:33:48	0.000	0.000	0.000
052	2014/09/11 10:34:48	0.000	0.000	0.000
053	2014/09/11 10:35:48	0.000	0.000	0.000
054	2014/09/11 10:36:48	0.000	0.000	0.000
055	2014/09/11 10:37:48	0.000	0.000	0.000
056	2014/09/11 10:38:48	0.000	0.000	0.000
057	2014/09/11 10:39:48	0.000	0.000	0.000
058	2014/09/11 10:40:48	0.000	0.000	0.000
059	2014/09/11 10:41:48	0.000	0.000	0.000
060	2014/09/11 10:42:48	0.000	0.000	0.000
061	2014/09/11 10:43:48	0.000	0.000	0.000
062	2014/09/11 10:44:48	0.000	0.000	0.000
063	2014/09/11 10:45:48	0.000	0.000	0.000
064	2014/09/11 10:46:48	0.000	0.000	0.000
065	2014/09/11 10:47:48	0.000	0.000	0.000
066	2014/09/11 10:48:48	0.000	0.000	0.000
067	2014/09/11 10:49:48	0.000	0.000	0.000
068	2014/09/11 10:50:48	0.000	0.000	0.000
069	2014/09/11 10:51:48	0.000	0.000	0.000
070	2014/09/11 10:52:48	0.000	0.000	0.000
071	2014/09/11 10:53:48	0.000	0.000	0.000
072	2014/09/11 10:54:48	0.000	0.000	0.000
073	2014/09/11 10:55:48	0.000	0.000	0.000
074	2014/09/11 10:56:48	0.000	0.000	0.000
075	2014/09/11 10:57:48	0.000	0.000	0.000
076	2014/09/11 10:58:48	0.000	0.000	0.000
077	2014/09/11 10:59:48	0.000	0.000	0.000
078	2014/09/11 11:00:48	0.000	0.000	0.000
079	2014/09/11 11:01:48	0.000	0.000	0.000
080	2014/09/11 11:02:48	0.000	0.000	0.000
081	2014/09/11 11:03:48	0.000	0.000	0.000
082	2014/09/11 11:04:48	0.000	0.000	0.000
083	2014/09/11 11:05:48	0.000	0.000	0.000
084	2014/09/11 11:06:48	0.000	0.000	0.000

085	2014/09/11 11:07:48	0.000	0.000	0.000
086	2014/09/11 11:08:48	0.000	0.000	0.000
087	2014/09/11 11:09:48	0.000	0.000	0.000
088	2014/09/11 11:10:48	0.000	0.000	0.000
089	2014/09/11 11:11:48	0.000	0.000	0.000
090	2014/09/11 11:12:48	0.000	0.000	0.000
091	2014/09/11 11:13:48	0.000	0.000	0.000
092	2014/09/11 11:14:48	0.000	0.000	0.000
093	2014/09/11 11:15:48	0.000	0.000	0.000
094	2014/09/11 11:16:48	0.000	0.000	0.000
095	2014/09/11 11:17:48	0.000	0.000	0.000
096	2014/09/11 11:18:48	0.000	0.000	0.000
097	2014/09/11 11:19:48	0.000	0.000	0.000
098	2014/09/11 11:20:48	0.000	0.000	0.000
099	2014/09/11 11:21:48	0.000	0.000	0.000
100	2014/09/11 11:22:48	0.000	0.000	0.000
101	2014/09/11 11:23:48	0.000	0.000	0.000
102	2014/09/11 11:24:48	0.000	0.000	0.000
103	2014/09/11 11:25:48	0.000	0.000	0.000
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105	2014/09/11 11:27:48	0.000	0.000	0.000
106	2014/09/11 11:28:48	0.000	0.000	0.000
107	2014/09/11 11:29:48	0.000	0.000	0.000
108	2014/09/11 11:30:48	0.000	0.000	0.000
109	2014/09/11 11:31:48	0.000	0.000	0.000
110	2014/09/11 11:32:48	0.000	0.000	0.000
111	2014/09/11 11:33:48	0.000	0.000	0.000
112	2014/09/11 11:34:48	0.000	0.000	0.000
113	2014/09/11 11:35:48	0.000	0.000	0.000
114	2014/09/11 11:36:48	0.000	0.000	0.000
115	2014/09/11 11:37:48	0.000	0.000	0.000
116	2014/09/11 11:38:48	0.000	0.000	0.000
117	2014/09/11 11:39:48	0.000	0.000	0.000
118	2014/09/11 11:40:48	0.000	0.000	0.000
119	2014/09/11 11:41:48	0.000	0.000	0.000
120	2014/09/11 11:42:48	0.000	0.000	0.000
121	2014/09/11 11:43:48	0.000	0.000	0.000
122	2014/09/11 11:44:48	0.000	0.000	0.000
123	2014/09/11 11:45:48	0.000	0.000	0.000
124	2014/09/11 11:46:48	0.000	0.000	0.000
125	2014/09/11 11:47:48	0.000	0.000	0.000
126	2014/09/11 11:48:48	0.000	0.000	0.000
127	2014/09/11 11:49:48	0.000	0.000	0.000
128	2014/09/11 11:50:48	0.000	0.000	0.000
129	2014/09/11 11:51:48	0.000	0.000	0.000
130	2014/09/11 11:52:48	0.000	0.000	0.000
131	2014/09/11 11:53:48	0.000	0.000	0.000
132	2014/09/11 11:54:48	0.000	0.000	0.000
133	2014/09/11 11:55:48	0.000	0.000	0.000
134	2014/09/11 11:56:48	0.000	0.000	0.000
135	2014/09/11 11:57:48	0.000	0.000	0.000
136	2014/09/11 11:58:48	0.000	0.000	0.000
137	2014/09/11 11:59:48	0.000	0.000	0.000
138	2014/09/11 12:00:48	0.000	0.000	0.000
139	2014/09/11 12:01:48	0.000	0.000	0.000
140	2014/09/11 12:02:48	0.000	0.000	0.000
141	2014/09/11 12:03:48	0.000	0.000	0.000
142	2014/09/11 12:04:48	0.000	0.000	0.000
143	2014/09/11 12:05:48	0.000	0.000	0.000
144	2014/09/11 12:06:48	0.000	0.000	0.000
145	2014/09/11 12:07:48	0.000	0.000	0.000
146	2014/09/11 12:08:48	0.000	0.000	0.000
147	2014/09/11 12:09:48	0.000	0.000	0.000

148	2014/09/11 12:10:48	0.000	0.000	0.000
149	2014/09/11 12:11:48	0.000	0.000	0.000
150	2014/09/11 12:12:48	0.000	0.000	0.000
151	2014/09/11 12:13:48	0.000	0.000	0.000
152	2014/09/11 12:14:48	0.000	0.000	0.000
153	2014/09/11 12:15:48	0.000	0.000	0.000
154	2014/09/11 12:16:48	0.000	0.000	0.000
155	2014/09/11 12:17:48	0.000	0.000	0.000
156	2014/09/11 12:18:48	0.000	0.000	0.000
157	2014/09/11 12:19:48	0.000	0.000	0.000
158	2014/09/11 12:20:48	0.000	0.000	0.000
159	2014/09/11 12:21:48	0.000	0.000	0.000
160	2014/09/11 12:22:48	0.000	0.000	0.000
161	2014/09/11 12:23:48	0.000	0.000	0.000
162	2014/09/11 12:24:48	0.000	0.000	0.000
163	2014/09/11 12:25:48	0.000	0.000	0.000
164	2014/09/11 12:26:48	0.000	0.000	0.000
165	2014/09/11 12:27:48	0.000	0.000	0.000
166	2014/09/11 12:28:48	0.000	0.000	0.000
167	2014/09/11 12:29:48	0.000	0.000	0.000
168	2014/09/11 12:30:48	0.000	0.000	0.000
169	2014/09/11 12:31:48	0.000	0.000	0.000
170	2014/09/11 12:32:48	0.000	0.000	0.000
171	2014/09/11 12:33:48	0.000	0.000	0.000
172	2014/09/11 12:34:48	0.000	0.000	0.000
173	2014/09/11 12:35:48	0.000	0.000	0.000
174	2014/09/11 12:36:48	0.000	0.000	0.000
175	2014/09/11 12:37:48	0.000	0.000	0.000
176	2014/09/11 12:38:48	0.000	0.000	0.000
177	2014/09/11 12:39:48	0.000	0.000	0.000
178	2014/09/11 12:40:48	0.000	0.000	0.000
179	2014/09/11 12:41:48	0.000	0.000	0.000
180	2014/09/11 12:42:48	0.000	0.000	0.000
181	2014/09/11 12:43:48	0.000	0.000	0.000
182	2014/09/11 12:44:48	0.000	0.000	0.000
183	2014/09/11 12:45:48	0.000	0.000	0.000
184	2014/09/11 12:46:48	0.000	0.000	0.000
185	2014/09/11 12:47:48	0.000	0.000	0.000
186	2014/09/11 12:48:48	0.000	0.000	0.000
187	2014/09/11 12:49:48	0.000	0.000	0.000
188	2014/09/11 12:50:48	0.000	0.000	0.000
189	2014/09/11 12:51:48	0.000	0.000	0.000
190	2014/09/11 12:52:48	0.000	0.000	0.000
191	2014/09/11 12:53:48	0.000	0.000	0.000
192	2014/09/11 12:54:48	0.000	0.000	0.000
193	2014/09/11 12:55:48	0.000	0.000	0.000
194	2014/09/11 12:56:48	0.000	0.000	0.000
195	2014/09/11 12:57:48	0.000	0.000	0.000
196	2014/09/11 12:58:48	0.000	0.000	0.000
197	2014/09/11 12:59:48	0.000	0.000	0.000
198	2014/09/11 13:00:48	0.000	0.000	0.000
199	2014/09/11 13:01:48	0.000	0.000	0.000
200	2014/09/11 13:02:48	0.000	0.000	0.000
201	2014/09/11 13:03:48	0.000	0.000	0.000
202	2014/09/11 13:04:48	0.000	0.000	0.000
203	2014/09/11 13:05:48	0.000	0.000	0.000
204	2014/09/11 13:06:48	0.000	0.000	0.000
205	2014/09/11 13:07:48	0.000	0.000	0.000
206	2014/09/11 13:08:48	0.000	0.000	0.000
207	2014/09/11 13:09:48	0.000	0.000	0.000
208	2014/09/11 13:10:48	0.000	0.000	0.000
209	2014/09/11 13:11:48	0.000	0.000	0.000
210	2014/09/11 13:12:48	0.000	0.000	0.000

211	2014/09/11 13:13:48	0.000	0.000	0.000
212	2014/09/11 13:14:48	0.000	0.000	0.000
213	2014/09/11 13:15:48	0.000	0.000	0.000
214	2014/09/11 13:16:48	0.000	0.000	0.000
215	2014/09/11 13:17:48	0.000	0.000	0.000
216	2014/09/11 13:18:48	0.000	0.000	0.000
217	2014/09/11 13:19:48	0.000	0.000	0.000
218	2014/09/11 13:20:48	0.000	0.000	0.000
219	2014/09/11 13:21:48	0.000	0.000	0.000
220	2014/09/11 13:22:48	0.000	0.000	0.000
221	2014/09/11 13:23:48	0.000	0.000	0.000
222	2014/09/11 13:24:48	0.000	0.000	0.000
223	2014/09/11 13:25:48	0.000	0.000	0.000
224	2014/09/11 13:26:48	0.000	0.000	0.000
225	2014/09/11 13:27:48	0.000	0.000	0.000
226	2014/09/11 13:28:48	0.000	0.000	0.000
227	2014/09/11 13:29:48	0.000	0.000	0.000
228	2014/09/11 13:30:48	0.000	0.000	0.000
229	2014/09/11 13:31:48	0.000	0.000	0.000
230	2014/09/11 13:32:48	0.000	0.000	0.000
231	2014/09/11 13:33:48	0.000	0.000	0.000
232	2014/09/11 13:34:48	0.000	0.000	0.000
233	2014/09/11 13:35:48	0.000	0.000	0.000
234	2014/09/11 13:36:48	0.000	0.000	0.000
235	2014/09/11 13:37:48	0.000	0.000	0.000
236	2014/09/11 13:38:48	0.000	0.000	0.000
237	2014/09/11 13:39:48	0.000	0.000	0.000
238	2014/09/11 13:40:48	0.000	0.000	0.000
239	2014/09/11 13:41:48	0.000	0.000	0.000
240	2014/09/11 13:42:48	0.000	0.000	0.000
241	2014/09/11 13:43:48	0.000	0.000	0.000
242	2014/09/11 13:44:48	0.002	0.034	0.000
243	2014/09/11 13:45:48	0.000	0.000	0.000
244	2014/09/11 13:46:48	0.000	0.000	0.000
245	2014/09/11 13:47:48	0.000	0.000	0.000
246	2014/09/11 13:48:48	0.000	0.000	0.000
247	2014/09/11 13:49:48	0.000	0.000	0.000
248	2014/09/11 13:50:48	0.000	0.000	0.000
249	2014/09/11 13:51:48	0.000	0.000	0.000
250	2014/09/11 13:52:48	0.000	0.000	0.000
251	2014/09/11 13:53:48	0.000	0.000	0.000
252	2014/09/11 13:54:48	0.000	0.000	0.000
253	2014/09/11 13:55:48	0.000	0.000	0.000
254	2014/09/11 13:56:48	0.000	0.000	0.000
255	2014/09/11 13:57:48	0.000	0.000	0.000
256	2014/09/11 13:58:48	0.000	0.000	0.000
257	2014/09/11 13:59:48	0.000	0.000	0.000
258	2014/09/11 14:00:48	0.000	0.000	0.000
259	2014/09/11 14:01:48	0.000	0.000	0.000
260	2014/09/11 14:02:48	0.000	0.000	0.000
261	2014/09/11 14:03:48	0.000	0.000	0.000
262	2014/09/11 14:04:48	0.000	0.000	0.000
263	2014/09/11 14:05:48	0.000	0.000	0.000
264	2014/09/11 14:06:48	0.000	0.000	0.000
265	2014/09/11 14:07:48	0.000	0.000	0.000
266	2014/09/11 14:08:48	0.000	0.000	0.000
267	2014/09/11 14:09:48	0.000	0.000	0.000
268	2014/09/11 14:10:48	0.000	0.000	0.000
269	2014/09/11 14:11:48	0.000	0.000	0.000
270	2014/09/11 14:12:48	0.000	0.000	0.000
271	2014/09/11 14:13:48	0.000	0.000	0.000
272	2014/09/11 14:14:48	0.000	0.000	0.000
273	2014/09/11 14:15:48	0.000	0.000	0.000

274	2014/09/11	14:16:48	0.000	0.000	0.000
275	2014/09/11	14:17:48	0.000	0.000	0.000
276	2014/09/11	14:18:48	0.000	0.000	0.000
277	2014/09/11	14:19:48	0.023	0.348	0.000
278	2014/09/11	14:20:48	0.000	0.002	0.000
279	2014/09/11	14:21:48	0.000	0.000	0.000
280	2014/09/11	14:22:48	0.000	0.000	0.000
281	2014/09/11	14:23:48	0.000	0.000	0.000
282	2014/09/11	14:24:48	0.000	0.000	0.000
283	2014/09/11	14:25:48	0.000	0.000	0.000
284	2014/09/11	14:26:48	0.000	0.002	0.000
285	2014/09/11	14:27:48	0.000	0.000	0.000
286	2014/09/11	14:28:48	0.000	0.000	0.000
287	2014/09/11	14:29:48	0.000	0.000	0.000
288	2014/09/11	14:30:48	0.000	0.000	0.000
289	2014/09/11	14:31:48	0.000	0.000	0.000
290	2014/09/11	14:32:48	0.000	0.000	0.000
291	2014/09/11	14:33:48	0.000	0.000	0.000
292	2014/09/11	14:34:48	0.000	0.000	0.000
293	2014/09/11	14:35:48	0.000	0.000	0.000
294	2014/09/11	14:36:48	0.000	0.000	0.000
295	2014/09/11	14:37:48	0.000	0.000	0.000
296	2014/09/11	14:38:48	0.000	0.000	0.000
297	2014/09/11	14:39:48	0.000	0.000	0.000
298	2014/09/11	14:40:48	0.000	0.000	0.000
299	2014/09/11	14:41:48	0.000	0.000	0.000
300	2014/09/11	14:42:48	0.000	0.000	0.000
301	2014/09/11	14:43:48	0.000	0.000	0.000
302	2014/09/11	14:44:48	0.000	0.000	0.000
303	2014/09/11	14:45:48	0.000	0.000	0.000
304	2014/09/11	14:46:48	0.000	0.000	0.000
305	2014/09/11	14:47:48	0.000	0.000	0.000
306	2014/09/11	14:48:48	0.000	0.000	0.000
307	2014/09/11	14:49:48	0.000	0.000	0.000
308	2014/09/11	14:50:48	0.000	0.000	0.000
309	2014/09/11	14:51:48	0.000	0.000	0.000
310	2014/09/11	14:52:48	0.000	0.000	0.000
311	2014/09/11	14:53:48	0.000	0.000	0.000
312	2014/09/11	14:54:48	0.000	0.000	0.000
313	2014/09/11	14:55:48	0.000	0.000	0.000
314	2014/09/11	14:56:48	0.000	0.000	0.000
315	2014/09/11	14:57:48	0.000	0.000	0.000
316	2014/09/11	14:58:48	0.000	0.000	0.000
317	2014/09/11	14:59:48	0.000	0.000	0.000
318	2014/09/11	15:00:48	0.000	0.000	0.000
319	2014/09/11	15:01:48	0.000	0.000	0.000
320	2014/09/11	15:02:48	0.000	0.000	0.000
321	2014/09/11	15:03:48	0.000	0.000	0.000
322	2014/09/11	15:04:48	0.000	0.000	0.000
323	2014/09/11	15:05:48	0.000	0.000	0.000
324	2014/09/11	15:06:48	0.000	0.000	0.000
325	2014/09/11	15:07:48	0.000	0.000	0.000
326	2014/09/11	15:08:48	0.000	0.000	0.000
327	2014/09/11	15:09:48	0.000	0.000	0.000
328	2014/09/11	15:10:48	0.000	0.000	0.000
329	2014/09/11	15:11:48	0.000	0.000	0.000
330	2014/09/11	15:12:48	0.000	0.000	0.000
331	2014/09/11	15:13:48	0.000	0.000	0.000
332	2014/09/11	15:14:48	0.000	0.000	0.000
333	2014/09/11	15:15:48	0.000	0.000	0.000
334	2014/09/11	15:16:48	0.000	0.000	0.000
335	2014/09/11	15:17:48	0.000	0.000	0.000
336	2014/09/11	15:18:48	0.000	0.000	0.000

337	2014/09/11 15:19:48	0.000	0.000	0.000
338	2014/09/11 15:20:48	0.000	0.000	0.000
339	2014/09/11 15:21:48	0.000	0.000	0.000
340	2014/09/11 15:22:48	0.000	0.000	0.000
341	2014/09/11 15:23:48	0.000	0.000	0.000
342	2014/09/11 15:24:48	0.000	0.000	0.000
343	2014/09/11 15:25:48	0.000	0.000	0.000
344	2014/09/11 15:26:48	0.000	0.000	0.000
345	2014/09/11 15:27:48	0.000	0.000	0.000
346	2014/09/11 15:28:48	0.000	0.000	0.000
347	2014/09/11 15:29:48	0.000	0.000	0.000
348	2014/09/11 15:30:48	0.000	0.000	0.000
349	2014/09/11 15:31:48	0.000	0.000	0.000
350	2014/09/11 15:32:48	0.000	0.000	0.000
351	2014/09/11 15:33:48	0.000	0.000	0.000
352	2014/09/11 15:34:48	0.000	0.000	0.000
353	2014/09/11 15:35:48	0.000	0.009	0.000
354	2014/09/11 15:36:48	0.000	0.000	0.000
355	2014/09/11 15:37:48	0.000	0.000	0.000
356	2014/09/11 15:38:48	0.000	0.000	0.000
357	2014/09/11 15:39:48	0.000	0.000	0.000
358	2014/09/11 15:40:48	0.000	0.000	0.000
359	2014/09/11 15:41:48	0.000	0.000	0.000
360	2014/09/11 15:42:48	0.000	0.000	0.000
361	2014/09/11 15:43:48	0.002	0.036	0.000
362	2014/09/11 15:44:48	0.000	0.000	0.000
363	2014/09/11 15:45:48	0.000	0.000	0.000
364	2014/09/11 15:46:48	0.000	0.000	0.000
365	2014/09/11 15:47:48	0.000	0.000	0.000
366	2014/09/11 15:48:48	0.000	0.000	0.000
367	2014/09/11 15:49:48	0.000	0.000	0.000
368	2014/09/11 15:50:48	0.000	0.000	0.000
Peak		0.023	0.348	0.000
Min		0.000	0.000	0.000
Average		0.000	0.001	0.000

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2014/09/11 09:43:48	0.000	---
002	2014/09/11 09:44:48	0.000	---
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019	2014/09/11 10:01:48	0.000	0.000
020	2014/09/11 10:02:48	0.000	0.000
021	2014/09/11 10:03:48	0.000	0.000
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033	2014/09/11	10:15:48	0.000 0.000
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TrakPro Version 4.61 ASCII Data File

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Model Number:	8533
Serial Number:	8533141203
Test ID:	2
Test Abbreviation:	MANUAL_002
Start Date:	9/12/2014
Start Time:	8:52:56
Duration (dd:hh:mm:ss):	0:07:34:00
Log Interval (mm:ss):	1:00
Number of points:	454
Notes:	

Statistics	Channel:	TOTAL
	Units:	mg/m^3
	Average:	0.002
	Minimum:	0
	Time of Minimum:	8:56:56
	Date of Minimum:	9/12/2014
	Maximum:	0.041
	Time of Maximum:	12:28:56
	Date of Maximum:	9/12/2014

Calibration	Sensor:	AEROSOL
	Cal. date	3/17/2014

Date	Time	TOTAL
MM/dd/yyyy	hh:mm:ss	mg/m^3
9/12/2014	8:53:56	0.009
9/12/2014	8:54:56	0.001
9/12/2014	8:55:56	0.01
9/12/2014	8:56:56	0
9/12/2014	8:57:56	0
9/12/2014	8:58:56	0.004
9/12/2014	8:59:56	0.004
9/12/2014	9:00:56	0
9/12/2014	9:01:56	0.001
9/12/2014	9:02:56	0
9/12/2014	9:03:56	0
9/12/2014	9:04:56	0.002
9/12/2014	9:05:56	0.002
9/12/2014	9:06:56	0.004
9/12/2014	9:07:56	0.003
9/12/2014	9:08:56	0.003
9/12/2014	9:09:56	0.006
9/12/2014	9:10:56	0.005

9/12/2014	9:11:56	0.006
9/12/2014	9:12:56	0.006
9/12/2014	9:13:56	0.003
9/12/2014	9:14:56	0.002
9/12/2014	9:15:56	0.005
9/12/2014	9:16:56	0.008
9/12/2014	9:17:56	0.006
9/12/2014	9:18:56	0.003
9/12/2014	9:19:56	0.003
9/12/2014	9:20:56	0.002
9/12/2014	9:21:56	0.001
9/12/2014	9:22:56	0
9/12/2014	9:23:56	0
9/12/2014	9:24:56	0.003
9/12/2014	9:25:56	0.002
9/12/2014	9:26:56	0.001
9/12/2014	9:27:56	0
9/12/2014	9:28:56	0
9/12/2014	9:29:56	0.002
9/12/2014	9:30:56	0.007
9/12/2014	9:31:56	0.006
9/12/2014	9:32:56	0.002
9/12/2014	9:33:56	0.001
9/12/2014	9:34:56	0.001
9/12/2014	9:35:56	0.001
9/12/2014	9:36:56	0.007
9/12/2014	9:37:56	0.005
9/12/2014	9:38:56	0.003
9/12/2014	9:39:56	0.002
9/12/2014	9:40:56	0.002
9/12/2014	9:41:56	0.003
9/12/2014	9:42:56	0.002
9/12/2014	9:43:56	0.003
9/12/2014	9:44:56	0.001
9/12/2014	9:45:56	0.001
9/12/2014	9:46:56	0.001
9/12/2014	9:47:56	0.001
9/12/2014	9:48:56	0.001
9/12/2014	9:49:56	0.002
9/12/2014	9:50:56	0.002
9/12/2014	9:51:56	0.006
9/12/2014	9:52:56	0.002
9/12/2014	9:53:56	0.001
9/12/2014	9:54:56	0.001
9/12/2014	9:55:56	0
9/12/2014	9:56:56	0.004
9/12/2014	9:57:56	0.014

9/12/2014	9:58:56	0.006
9/12/2014	9:59:56	0.003
9/12/2014	10:00:56	0.01
9/12/2014	10:01:56	0.003
9/12/2014	10:02:56	0.001
9/12/2014	10:03:56	0
9/12/2014	10:04:56	0.001
9/12/2014	10:05:56	0.009
9/12/2014	10:06:56	0.003
9/12/2014	10:07:56	0.001
9/12/2014	10:08:56	0.003
9/12/2014	10:09:56	0.002
9/12/2014	10:10:56	0.001
9/12/2014	10:11:56	0.001
9/12/2014	10:12:56	0
9/12/2014	10:13:56	0
9/12/2014	10:14:56	0
9/12/2014	10:15:56	0
9/12/2014	10:16:56	0.001
9/12/2014	10:17:56	0.01
9/12/2014	10:18:56	0.005
9/12/2014	10:19:56	0.002
9/12/2014	10:20:56	0.002
9/12/2014	10:21:56	0.007
9/12/2014	10:22:56	0.01
9/12/2014	10:23:56	0.025
9/12/2014	10:24:56	0.016
9/12/2014	10:25:56	0.006
9/12/2014	10:26:56	0.006
9/12/2014	10:27:56	0.01
9/12/2014	10:28:56	0.014
9/12/2014	10:29:56	0.011
9/12/2014	10:30:56	0.01
9/12/2014	10:31:56	0.001
9/12/2014	10:32:56	0.002
9/12/2014	10:33:56	0.014
9/12/2014	10:34:56	0.002
9/12/2014	10:35:56	0.028
9/12/2014	10:36:56	0.005
9/12/2014	10:37:56	0
9/12/2014	10:38:56	0.008
9/12/2014	10:39:56	0.011
9/12/2014	10:40:56	0.001
9/12/2014	10:41:56	0
9/12/2014	10:42:56	0
9/12/2014	10:43:56	0
9/12/2014	10:44:56	0.001

9/12/2014	10:45:56	0
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9/12/2014	10:47:56	0
9/12/2014	10:48:56	0
9/12/2014	10:49:56	0
9/12/2014	10:50:56	0.001
9/12/2014	10:51:56	0
9/12/2014	10:52:56	0.001
9/12/2014	10:53:56	0.001
9/12/2014	10:54:56	0.001
9/12/2014	10:55:56	0
9/12/2014	10:56:56	0.001
9/12/2014	10:57:56	0.01
9/12/2014	10:58:56	0.02
9/12/2014	10:59:56	0.007
9/12/2014	11:00:56	0.001
9/12/2014	11:01:56	0.002
9/12/2014	11:02:56	0.002
9/12/2014	11:03:56	0.002
9/12/2014	11:04:56	0.004
9/12/2014	11:05:56	0.002
9/12/2014	11:06:56	0
9/12/2014	11:07:56	0.001
9/12/2014	11:08:56	0.001
9/12/2014	11:09:56	0.003
9/12/2014	11:10:56	0.001
9/12/2014	11:11:56	0.001
9/12/2014	11:12:56	0.003
9/12/2014	11:13:56	0.001
9/12/2014	11:14:56	0
9/12/2014	11:15:56	0.001
9/12/2014	11:16:56	0.001
9/12/2014	11:17:56	0
9/12/2014	11:18:56	0.001
9/12/2014	11:19:56	0.001
9/12/2014	11:20:56	0.001
9/12/2014	11:21:56	0.001
9/12/2014	11:22:56	0.002
9/12/2014	11:23:56	0.001
9/12/2014	11:24:56	0.004
9/12/2014	11:25:56	0.005
9/12/2014	11:26:56	0.003
9/12/2014	11:27:56	0.009
9/12/2014	11:28:56	0.001
9/12/2014	11:29:56	0.001
9/12/2014	11:30:56	0.001
9/12/2014	11:31:56	0.005

9/12/2014	11:32:56	0.005
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9/12/2014	11:34:56	0
9/12/2014	11:35:56	0.001
9/12/2014	11:36:56	0.002
9/12/2014	11:37:56	0.004
9/12/2014	11:38:56	0.005
9/12/2014	11:39:56	0.004
9/12/2014	11:40:56	0.012
9/12/2014	11:41:56	0.011
9/12/2014	11:42:56	0.002
9/12/2014	11:43:56	0.001
9/12/2014	11:44:56	0.008
9/12/2014	11:45:56	0.004
9/12/2014	11:46:56	0.001
9/12/2014	11:47:56	0.001
9/12/2014	11:48:56	0.002
9/12/2014	11:49:56	0.002
9/12/2014	11:50:56	0.002
9/12/2014	11:51:56	0
9/12/2014	11:52:56	0.015
9/12/2014	11:53:56	0.01
9/12/2014	11:54:56	0.006
9/12/2014	11:55:56	0.001
9/12/2014	11:56:56	0.001
9/12/2014	11:57:56	0.001
9/12/2014	11:58:56	0.001
9/12/2014	11:59:56	0
9/12/2014	12:00:56	0
9/12/2014	12:01:56	0
9/12/2014	12:02:56	0.001
9/12/2014	12:03:56	0.001
9/12/2014	12:04:56	0.001
9/12/2014	12:05:56	0.001
9/12/2014	12:06:56	0
9/12/2014	12:07:56	0
9/12/2014	12:08:56	0
9/12/2014	12:09:56	0
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9/12/2014	12:11:56	0.001
9/12/2014	12:12:56	0
9/12/2014	12:13:56	0.001
9/12/2014	12:14:56	0.001
9/12/2014	12:15:56	0.001
9/12/2014	12:16:56	0
9/12/2014	12:17:56	0
9/12/2014	12:18:56	0.001

9/12/2014	12:19:56	0.004
9/12/2014	12:20:56	0
9/12/2014	12:21:56	0.001
9/12/2014	12:22:56	0
9/12/2014	12:23:56	0
9/12/2014	12:24:56	0
9/12/2014	12:25:56	0.001
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9/12/2014	12:27:56	0.001
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9/12/2014	12:29:56	0.024
9/12/2014	12:30:56	0.005
9/12/2014	12:31:56	0.016
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9/12/2014	12:33:56	0
9/12/2014	12:34:56	0.001
9/12/2014	12:35:56	0.005
9/12/2014	12:36:56	0.001
9/12/2014	12:37:56	0.003
9/12/2014	12:38:56	0
9/12/2014	12:39:56	0
9/12/2014	12:40:56	0
9/12/2014	12:41:56	0.001
9/12/2014	12:42:56	0
9/12/2014	12:43:56	0
9/12/2014	12:44:56	0
9/12/2014	12:45:56	0.001
9/12/2014	12:46:56	0
9/12/2014	12:47:56	0
9/12/2014	12:48:56	0.001
9/12/2014	12:49:56	0.004
9/12/2014	12:50:56	0
9/12/2014	12:51:56	0
9/12/2014	12:52:56	0
9/12/2014	12:53:56	0
9/12/2014	12:54:56	0.011
9/12/2014	12:55:56	0.002
9/12/2014	12:56:56	0
9/12/2014	12:57:56	0
9/12/2014	12:58:56	0
9/12/2014	12:59:56	0.002
9/12/2014	13:00:56	0
9/12/2014	13:01:56	0.002
9/12/2014	13:02:56	0
9/12/2014	13:03:56	0
9/12/2014	13:04:56	0
9/12/2014	13:05:56	0.001

9/12/2014	13:06:56	0.001
9/12/2014	13:07:56	0.001
9/12/2014	13:08:56	0.001
9/12/2014	13:09:56	0
9/12/2014	13:10:56	0
9/12/2014	13:11:56	0.002
9/12/2014	13:12:56	0
9/12/2014	13:13:56	0.006
9/12/2014	13:14:56	0.006
9/12/2014	13:15:56	0.003
9/12/2014	13:16:56	0.001
9/12/2014	13:17:56	0.001
9/12/2014	13:18:56	0
9/12/2014	13:19:56	0
9/12/2014	13:20:56	0.004
9/12/2014	13:21:56	0.016
9/12/2014	13:22:56	0.001
9/12/2014	13:23:56	0.001
9/12/2014	13:24:56	0
9/12/2014	13:25:56	0
9/12/2014	13:26:56	0.001
9/12/2014	13:27:56	0.001
9/12/2014	13:28:56	0
9/12/2014	13:29:56	0.001
9/12/2014	13:30:56	0.001
9/12/2014	13:31:56	0.004
9/12/2014	13:32:56	0.002
9/12/2014	13:33:56	0.003
9/12/2014	13:34:56	0.001
9/12/2014	13:35:56	0.002
9/12/2014	13:36:56	0.001
9/12/2014	13:37:56	0
9/12/2014	13:38:56	0.012
9/12/2014	13:39:56	0.001
9/12/2014	13:40:56	0.001
9/12/2014	13:41:56	0.001
9/12/2014	13:42:56	0.001
9/12/2014	13:43:56	0.001
9/12/2014	13:44:56	0
9/12/2014	13:45:56	0.002
9/12/2014	13:46:56	0.002
9/12/2014	13:47:56	0
9/12/2014	13:48:56	0
9/12/2014	13:49:56	0
9/12/2014	13:50:56	0.001
9/12/2014	13:51:56	0
9/12/2014	13:52:56	0

9/12/2014	13:53:56	0
9/12/2014	13:54:56	0.002
9/12/2014	13:55:56	0
9/12/2014	13:56:56	0
9/12/2014	13:57:56	0.001
9/12/2014	13:58:56	0
9/12/2014	13:59:56	0
9/12/2014	14:00:56	0
9/12/2014	14:01:56	0.001
9/12/2014	14:02:56	0.001
9/12/2014	14:03:56	0
9/12/2014	14:04:56	0
9/12/2014	14:05:56	0
9/12/2014	14:06:56	0.001
9/12/2014	14:07:56	0.001
9/12/2014	14:08:56	0.003
9/12/2014	14:09:56	0.001
9/12/2014	14:10:56	0.002
9/12/2014	14:11:56	0
9/12/2014	14:12:56	0
9/12/2014	14:13:56	0
9/12/2014	14:14:56	0
9/12/2014	14:15:56	0
9/12/2014	14:16:56	0
9/12/2014	14:17:56	0.001
9/12/2014	14:18:56	0
9/12/2014	14:19:56	0
9/12/2014	14:20:56	0
9/12/2014	14:21:56	0
9/12/2014	14:22:56	0
9/12/2014	14:23:56	0
9/12/2014	14:24:56	0.004
9/12/2014	14:25:56	0
9/12/2014	14:26:56	0
9/12/2014	14:27:56	0.001
9/12/2014	14:28:56	0.003
9/12/2014	14:29:56	0.003
9/12/2014	14:30:56	0
9/12/2014	14:31:56	0
9/12/2014	14:32:56	0.002
9/12/2014	14:33:56	0
9/12/2014	14:34:56	0
9/12/2014	14:35:56	0
9/12/2014	14:36:56	0.002
9/12/2014	14:37:56	0
9/12/2014	14:38:56	0.001
9/12/2014	14:39:56	0

9/12/2014	14:40:56	0.005
9/12/2014	14:41:56	0.001
9/12/2014	14:42:56	0.001
9/12/2014	14:43:56	0.001
9/12/2014	14:44:56	0
9/12/2014	14:45:56	0
9/12/2014	14:46:56	0
9/12/2014	14:47:56	0
9/12/2014	14:48:56	0
9/12/2014	14:49:56	0
9/12/2014	14:50:56	0
9/12/2014	14:51:56	0
9/12/2014	14:52:56	0
9/12/2014	14:53:56	0
9/12/2014	14:54:56	0
9/12/2014	14:55:56	0.002
9/12/2014	14:56:56	0.001
9/12/2014	14:57:56	0
9/12/2014	14:58:56	0
9/12/2014	14:59:56	0.001
9/12/2014	15:00:56	0.001
9/12/2014	15:01:56	0.002
9/12/2014	15:02:56	0.001
9/12/2014	15:03:56	0.001
9/12/2014	15:04:56	0.001
9/12/2014	15:05:56	0.001
9/12/2014	15:06:56	0.001
9/12/2014	15:07:56	0.001
9/12/2014	15:08:56	0.001
9/12/2014	15:09:56	0
9/12/2014	15:10:56	0.001
9/12/2014	15:11:56	0.001
9/12/2014	15:12:56	0.014
9/12/2014	15:13:56	0.002
9/12/2014	15:14:56	0.003
9/12/2014	15:15:56	0.001
9/12/2014	15:16:56	0.001
9/12/2014	15:17:56	0.001
9/12/2014	15:18:56	0.001
9/12/2014	15:19:56	0.002
9/12/2014	15:20:56	0.002
9/12/2014	15:21:56	0
9/12/2014	15:22:56	0.001
9/12/2014	15:23:56	0.009
9/12/2014	15:24:56	0
9/12/2014	15:25:56	0.001
9/12/2014	15:26:56	0.001

9/12/2014	15:27:56	0.001
9/12/2014	15:28:56	0.002
9/12/2014	15:29:56	0
9/12/2014	15:30:56	0.001
9/12/2014	15:31:56	0.001
9/12/2014	15:32:56	0.001
9/12/2014	15:33:56	0.001
9/12/2014	15:34:56	0.001
9/12/2014	15:35:56	0.001
9/12/2014	15:36:56	0.002
9/12/2014	15:37:56	0
9/12/2014	15:38:56	0.001
9/12/2014	15:39:56	0.001
9/12/2014	15:40:56	0.005
9/12/2014	15:41:56	0.002
9/12/2014	15:42:56	0.001
9/12/2014	15:43:56	0.001
9/12/2014	15:44:56	0.001
9/12/2014	15:45:56	0.001
9/12/2014	15:46:56	0.001
9/12/2014	15:47:56	0.007
9/12/2014	15:48:56	0.005
9/12/2014	15:49:56	0.003
9/12/2014	15:50:56	0.009
9/12/2014	15:51:56	0.005
9/12/2014	15:52:56	0.002
9/12/2014	15:53:56	0.006
9/12/2014	15:54:56	0.002
9/12/2014	15:55:56	0.009
9/12/2014	15:56:56	0.003
9/12/2014	15:57:56	0.003
9/12/2014	15:58:56	0.002
9/12/2014	15:59:56	0.001
9/12/2014	16:00:56	0.003
9/12/2014	16:01:56	0.001
9/12/2014	16:02:56	0.001
9/12/2014	16:03:56	0.001
9/12/2014	16:04:56	0.002
9/12/2014	16:05:56	0.001
9/12/2014	16:06:56	0.001
9/12/2014	16:07:56	0.001
9/12/2014	16:08:56	0.001
9/12/2014	16:09:56	0.001
9/12/2014	16:10:56	0.002
9/12/2014	16:11:56	0.003
9/12/2014	16:12:56	0.003
9/12/2014	16:13:56	0.002

9/12/2014	16:14:56	0.002
9/12/2014	16:15:56	0.005
9/12/2014	16:16:56	0.002
9/12/2014	16:17:56	0.004
9/12/2014	16:18:56	0.003
9/12/2014	16:19:56	0.003
9/12/2014	16:20:56	0.002
9/12/2014	16:21:56	0.002
9/12/2014	16:22:56	0.002
9/12/2014	16:23:56	0.002
9/12/2014	16:24:56	0.002
9/12/2014	16:25:56	0.002
9/12/2014	16:26:56	0.028

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14/09/12 08:51

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-912769
Unit Firmware Ver V1.20A

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2014/09/12 08:51:24
End 2014/09/12 16:29:47
Sample Period(s) 60
Number of Records 458

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2014/09/09 10:18
Peak 0.444
Min 0.000
Average 0.010

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2014/09/12 08:52:24	0.026	0.113	0.000
002	2014/09/12 08:53:24	0.000	0.000	0.000
003	2014/09/12 08:54:24	0.000	0.000	0.000
004	2014/09/12 08:55:24	0.000	0.000	0.000
005	2014/09/12 08:56:24	0.000	0.000	0.000
006	2014/09/12 08:57:24	0.000	0.000	0.000
007	2014/09/12 08:58:24	0.000	0.000	0.000
008	2014/09/12 08:59:24	0.000	0.000	0.000
009	2014/09/12 09:00:24	0.000	0.000	0.000
010	2014/09/12 09:01:24	0.000	0.000	0.000
011	2014/09/12 09:02:24	0.000	0.000	0.000
012	2014/09/12 09:03:24	0.000	0.000	0.000
013	2014/09/12 09:04:24	0.000	0.000	0.000
014	2014/09/12 09:05:24	0.000	0.000	0.000
015	2014/09/12 09:06:24	0.000	0.003	0.000
016	2014/09/12 09:07:24	0.001	0.013	0.006
017	2014/09/12 09:08:24	0.000	0.006	0.000
018	2014/09/12 09:09:24	0.000	0.000	0.000
019	2014/09/12 09:10:24	0.000	0.000	0.000
020	2014/09/12 09:11:24	0.000	0.000	0.000
021	2014/09/12 09:12:24	0.000	0.000	0.000

022	2014/09/12	09:13:24	0.000	0.000	0.000
023	2014/09/12	09:14:24	0.000	0.000	0.000
024	2014/09/12	09:15:24	0.000	0.006	0.000
025	2014/09/12	09:16:24	0.001	0.025	0.000
026	2014/09/12	09:17:24	0.000	0.000	0.000
027	2014/09/12	09:18:24	0.000	0.000	0.000
028	2014/09/12	09:19:24	0.000	0.000	0.000
029	2014/09/12	09:20:24	0.000	0.000	0.000
030	2014/09/12	09:21:24	0.000	0.000	0.000
031	2014/09/12	09:22:24	0.000	0.000	0.000
032	2014/09/12	09:23:24	0.001	0.012	0.000
033	2014/09/12	09:24:24	0.000	0.000	0.000
034	2014/09/12	09:25:24	0.000	0.000	0.000
035	2014/09/12	09:26:24	0.000	0.000	0.000
036	2014/09/12	09:27:24	0.000	0.004	0.000
037	2014/09/12	09:28:24	0.000	0.000	0.000
038	2014/09/12	09:29:24	0.000	0.000	0.000
039	2014/09/12	09:30:24	0.000	0.000	0.000
040	2014/09/12	09:31:24	0.000	0.000	0.000
041	2014/09/12	09:32:24	0.000	0.000	0.000
042	2014/09/12	09:33:24	0.000	0.014	0.000
043	2014/09/12	09:34:24	0.000	0.000	0.000
044	2014/09/12	09:35:24	0.000	0.000	0.000
045	2014/09/12	09:36:24	0.000	0.000	0.000
046	2014/09/12	09:37:24	0.000	0.000	0.000
047	2014/09/12	09:38:24	0.000	0.008	0.008
048	2014/09/12	09:39:24	0.000	0.008	0.000
049	2014/09/12	09:40:24	0.010	0.049	0.000
050	2014/09/12	09:41:24	0.001	0.008	0.000
051	2014/09/12	09:42:24	0.003	0.032	0.000
052	2014/09/12	09:43:24	0.002	0.027	0.000
053	2014/09/12	09:44:24	0.003	0.018	0.002
054	2014/09/12	09:45:24	0.002	0.011	0.000
055	2014/09/12	09:46:24	0.001	0.006	0.003
056	2014/09/12	09:47:24	0.002	0.009	0.002
057	2014/09/12	09:48:24	0.002	0.011	0.001
058	2014/09/12	09:49:24	0.000	0.003	0.000
059	2014/09/12	09:50:24	0.000	0.001	0.000
060	2014/09/12	09:51:24	0.000	0.005	0.004
061	2014/09/12	09:52:24	0.000	0.004	0.000
062	2014/09/12	09:53:24	0.000	0.000	0.000
063	2014/09/12	09:54:24	0.000	0.010	0.000
064	2014/09/12	09:55:24	0.009	0.044	0.006
065	2014/09/12	09:56:24	0.066	0.217	0.006
066	2014/09/12	09:57:24	0.008	0.019	0.012
067	2014/09/12	09:58:24	0.005	0.013	0.008
068	2014/09/12	09:59:24	0.010	0.083	0.008
069	2014/09/12	10:00:24	0.013	0.048	0.016
070	2014/09/12	10:01:24	0.011	0.031	0.008
071	2014/09/12	10:02:24	0.005	0.017	0.000
072	2014/09/12	10:03:24	0.009	0.022	0.010
073	2014/09/12	10:04:24	0.014	0.028	0.017
074	2014/09/12	10:05:24	0.018	0.033	0.002
075	2014/09/12	10:06:24	0.008	0.023	0.001
076	2014/09/12	10:07:24	0.006	0.018	0.018
077	2014/09/12	10:08:24	0.013	0.040	0.013
078	2014/09/12	10:09:24	0.012	0.025	0.002
079	2014/09/12	10:10:24	0.008	0.024	0.013
080	2014/09/12	10:11:24	0.018	0.049	0.004
081	2014/09/12	10:12:24	0.004	0.022	0.006
082	2014/09/12	10:13:24	0.002	0.007	0.006
083	2014/09/12	10:14:24	0.005	0.016	0.008
084	2014/09/12	10:15:24	0.004	0.013	0.013

085	2014/09/12	10:16:24	0.006	0.014	0.008
086	2014/09/12	10:17:24	0.005	0.013	0.013
087	2014/09/12	10:18:24	0.005	0.013	0.010
088	2014/09/12	10:19:24	0.011	0.071	0.070
089	2014/09/12	10:20:24	0.017	0.057	0.023
090	2014/09/12	10:21:24	0.012	0.034	0.001
091	2014/09/12	10:22:24	0.004	0.017	0.003
092	2014/09/12	10:23:24	0.008	0.024	0.005
093	2014/09/12	10:24:24	0.018	0.059	0.030
094	2014/09/12	10:25:24	0.016	0.077	0.025
095	2014/09/12	10:26:24	0.015	0.080	0.002
096	2014/09/12	10:27:24	0.011	0.045	0.003
097	2014/09/12	10:28:24	0.028	0.068	0.006
098	2014/09/12	10:29:24	0.019	0.082	0.031
099	2014/09/12	10:30:24	0.003	0.038	0.001
100	2014/09/12	10:31:24	0.012	0.052	0.019
101	2014/09/12	10:32:24	0.018	0.074	0.023
102	2014/09/12	10:33:24	0.002	0.013	0.004
103	2014/09/12	10:34:24	0.003	0.012	0.011
104	2014/09/12	10:35:24	0.005	0.017	0.017
105	2014/09/12	10:36:24	0.013	0.041	0.007
106	2014/09/12	10:37:24	0.019	0.087	0.087
107	2014/09/12	10:38:24	0.023	0.087	0.005
108	2014/09/12	10:39:24	0.017	0.093	0.005
109	2014/09/12	10:40:24	0.002	0.008	0.008
110	2014/09/12	10:41:24	0.015	0.050	0.009
111	2014/09/12	10:42:24	0.018	0.051	0.003
112	2014/09/12	10:43:24	0.004	0.010	0.000
113	2014/09/12	10:44:24	0.004	0.011	0.000
114	2014/09/12	10:45:24	0.004	0.012	0.000
115	2014/09/12	10:46:24	0.006	0.015	0.006
116	2014/09/12	10:47:24	0.007	0.016	0.010
117	2014/09/12	10:48:24	0.007	0.015	0.013
118	2014/09/12	10:49:24	0.007	0.015	0.006
119	2014/09/12	10:50:24	0.006	0.014	0.003
120	2014/09/12	10:51:24	0.007	0.015	0.001
121	2014/09/12	10:52:24	0.007	0.014	0.009
122	2014/09/12	10:53:24	0.006	0.015	0.013
123	2014/09/12	10:54:24	0.007	0.015	0.010
124	2014/09/12	10:55:24	0.010	0.020	0.005
125	2014/09/12	10:56:24	0.009	0.018	0.011
126	2014/09/12	10:57:24	0.007	0.015	0.013
127	2014/09/12	10:58:24	0.009	0.020	0.003
128	2014/09/12	10:59:24	0.217	0.825	0.444
129	2014/09/12	11:00:24	0.193	0.465	0.078
130	2014/09/12	11:01:24	0.053	0.102	0.018
131	2014/09/12	11:02:24	0.017	0.031	0.016
132	2014/09/12	11:03:24	0.011	0.022	0.016
133	2014/09/12	11:04:24	0.013	0.023	0.006
134	2014/09/12	11:05:24	0.017	0.037	0.025
135	2014/09/12	11:06:24	0.013	0.031	0.012
136	2014/09/12	11:07:24	0.012	0.030	0.012
137	2014/09/12	11:08:24	0.013	0.057	0.000
138	2014/09/12	11:09:24	0.005	0.012	0.005
139	2014/09/12	11:10:24	0.007	0.017	0.016
140	2014/09/12	11:11:24	0.013	0.028	0.011
141	2014/09/12	11:12:24	0.012	0.028	0.001
142	2014/09/12	11:13:24	0.008	0.024	0.005
143	2014/09/12	11:14:24	0.010	0.027	0.008
144	2014/09/12	11:15:24	0.009	0.021	0.003
145	2014/09/12	11:16:24	0.005	0.013	0.010
146	2014/09/12	11:17:24	0.005	0.013	0.013
147	2014/09/12	11:18:24	0.006	0.014	0.003

148	2014/09/12	11:19:24	0.006	0.013	0.006
149	2014/09/12	11:20:24	0.007	0.015	0.007
150	2014/09/12	11:21:24	0.004	0.012	0.012
151	2014/09/12	11:22:24	0.006	0.013	0.010
152	2014/09/12	11:23:24	0.008	0.016	0.008
153	2014/09/12	11:24:24	0.010	0.023	0.007
154	2014/09/12	11:25:24	0.010	0.020	0.014
155	2014/09/12	11:26:24	0.011	0.020	0.013
156	2014/09/12	11:27:24	0.010	0.021	0.020
157	2014/09/12	11:28:24	0.009	0.023	0.011
158	2014/09/12	11:29:24	0.007	0.021	0.009
159	2014/09/12	11:30:24	0.016	0.048	0.019
160	2014/09/12	11:31:24	0.010	0.033	0.013
161	2014/09/12	11:32:24	0.006	0.013	0.006
162	2014/09/12	11:33:24	0.005	0.017	0.008
163	2014/09/12	11:34:24	0.008	0.024	0.011
164	2014/09/12	11:35:24	0.008	0.017	0.011
165	2014/09/12	11:36:24	0.005	0.013	0.010
166	2014/09/12	11:37:24	0.004	0.011	0.008
167	2014/09/12	11:38:24	0.005	0.015	0.006
168	2014/09/12	11:39:24	0.007	0.023	0.004
169	2014/09/12	11:40:24	0.005	0.012	0.006
170	2014/09/12	11:41:24	0.013	0.056	0.012
171	2014/09/12	11:42:24	0.012	0.053	0.013
172	2014/09/12	11:43:24	0.013	0.084	0.021
173	2014/09/12	11:44:24	0.012	0.053	0.009
174	2014/09/12	11:45:24	0.005	0.015	0.009
175	2014/09/12	11:46:24	0.007	0.016	0.009
176	2014/09/12	11:47:24	0.007	0.019	0.011
177	2014/09/12	11:48:24	0.005	0.020	0.000
178	2014/09/12	11:49:24	0.004	0.010	0.000
179	2014/09/12	11:50:24	0.005	0.018	0.000
180	2014/09/12	11:51:24	0.003	0.016	0.000
181	2014/09/12	11:52:24	0.001	0.008	0.000
182	2014/09/12	11:53:24	0.001	0.009	0.001
183	2014/09/12	11:54:24	0.002	0.018	0.018
184	2014/09/12	11:55:24	0.024	0.094	0.041
185	2014/09/12	11:56:24	0.157	0.842	0.045
186	2014/09/12	11:57:24	0.021	0.046	0.017
187	2014/09/12	11:58:24	0.013	0.031	0.004
188	2014/09/12	11:59:24	0.006	0.020	0.014
189	2014/09/12	12:00:24	0.008	0.025	0.008
190	2014/09/12	12:01:24	0.003	0.014	0.006
191	2014/09/12	12:02:24	0.003	0.011	0.008
192	2014/09/12	12:03:24	0.007	0.058	0.024
193	2014/09/12	12:04:24	0.007	0.021	0.003
194	2014/09/12	12:05:24	0.005	0.014	0.003
195	2014/09/12	12:06:24	0.004	0.014	0.000
196	2014/09/12	12:07:24	0.010	0.049	0.000
197	2014/09/12	12:08:24	0.004	0.014	0.007
198	2014/09/12	12:09:24	0.004	0.014	0.001
199	2014/09/12	12:10:24	0.001	0.014	0.000
200	2014/09/12	12:11:24	0.000	0.002	0.000
201	2014/09/12	12:12:24	0.000	0.000	0.000
202	2014/09/12	12:13:24	0.000	0.003	0.000
203	2014/09/12	12:14:24	0.000	0.000	0.000
204	2014/09/12	12:15:24	0.000	0.009	0.009
205	2014/09/12	12:16:24	0.001	0.008	0.000
206	2014/09/12	12:17:24	0.000	0.000	0.000
207	2014/09/12	12:18:24	0.000	0.000	0.000
208	2014/09/12	12:19:24	0.000	0.000	0.000
209	2014/09/12	12:20:24	0.000	0.000	0.000
210	2014/09/12	12:21:24	0.000	0.005	0.005

211	2014/09/12	12:22:24	0.001	0.008	0.000
212	2014/09/12	12:23:24	0.000	0.000	0.000
213	2014/09/12	12:24:24	0.000	0.002	0.000
214	2014/09/12	12:25:24	0.000	0.000	0.000
215	2014/09/12	12:26:24	0.000	0.000	0.000
216	2014/09/12	12:27:24	0.000	0.001	0.000
217	2014/09/12	12:28:24	0.000	0.000	0.000
218	2014/09/12	12:29:24	0.019	0.066	0.033
219	2014/09/12	12:30:24	0.023	0.187	0.019
220	2014/09/12	12:31:24	0.046	0.254	0.034
221	2014/09/12	12:32:24	0.039	0.075	0.060
222	2014/09/12	12:33:24	0.020	0.143	0.004
223	2014/09/12	12:34:24	0.001	0.006	0.006
224	2014/09/12	12:35:24	0.008	0.018	0.015
225	2014/09/12	12:36:24	0.007	0.015	0.005
226	2014/09/12	12:37:24	0.006	0.009	0.005
227	2014/09/12	12:38:24	0.007	0.029	0.006
228	2014/09/12	12:39:24	0.009	0.014	0.014
229	2014/09/12	12:40:24	0.011	0.024	0.006
230	2014/09/12	12:41:24	0.006	0.010	0.009
231	2014/09/12	12:42:24	0.007	0.011	0.007
232	2014/09/12	12:43:24	0.010	0.018	0.013
233	2014/09/12	12:44:24	0.013	0.021	0.014
234	2014/09/12	12:45:24	0.011	0.015	0.012
235	2014/09/12	12:46:24	0.010	0.015	0.009
236	2014/09/12	12:47:24	0.010	0.017	0.009
237	2014/09/12	12:48:24	0.012	0.020	0.017
238	2014/09/12	12:49:24	0.013	0.020	0.017
239	2014/09/12	12:50:24	0.011	0.019	0.008
240	2014/09/12	12:51:24	0.009	0.020	0.005
241	2014/09/12	12:52:24	0.009	0.017	0.008
242	2014/09/12	12:53:24	0.009	0.018	0.010
243	2014/09/12	12:54:24	0.011	0.019	0.016
244	2014/09/12	12:55:24	0.010	0.021	0.014
245	2014/09/12	12:56:24	0.011	0.020	0.010
246	2014/09/12	12:57:24	0.023	0.061	0.008
247	2014/09/12	12:58:24	0.008	0.020	0.016
248	2014/09/12	12:59:24	0.011	0.026	0.004
249	2014/09/12	13:00:24	0.010	0.021	0.005
250	2014/09/12	13:01:24	0.012	0.021	0.010
251	2014/09/12	13:02:24	0.018	0.036	0.006
252	2014/09/12	13:03:24	0.013	0.036	0.018
253	2014/09/12	13:04:24	0.012	0.027	0.005
254	2014/09/12	13:05:24	0.013	0.026	0.020
255	2014/09/12	13:06:24	0.017	0.031	0.016
256	2014/09/12	13:07:24	0.016	0.029	0.017
257	2014/09/12	13:08:24	0.019	0.040	0.018
258	2014/09/12	13:09:24	0.020	0.041	0.023
259	2014/09/12	13:10:24	0.017	0.025	0.022
260	2014/09/12	13:11:24	0.014	0.024	0.011
261	2014/09/12	13:12:24	0.022	0.057	0.019
262	2014/09/12	13:13:24	0.019	0.030	0.027
263	2014/09/12	13:14:24	0.019	0.030	0.013
264	2014/09/12	13:15:24	0.018	0.026	0.024
265	2014/09/12	13:16:24	0.023	0.041	0.035
266	2014/09/12	13:17:24	0.020	0.038	0.004
267	2014/09/12	13:18:24	0.018	0.036	0.011
268	2014/09/12	13:19:24	0.018	0.034	0.005
269	2014/09/12	13:20:24	0.013	0.033	0.006
270	2014/09/12	13:21:24	0.013	0.033	0.032
271	2014/09/12	13:22:24	0.016	0.032	0.025
272	2014/09/12	13:23:24	0.016	0.037	0.014
273	2014/09/12	13:24:24	0.016	0.034	0.022

274	2014/09/12	13:25:24	0.016	0.034	0.022
275	2014/09/12	13:26:24	0.013	0.030	0.018
276	2014/09/12	13:27:24	0.017	0.038	0.010
277	2014/09/12	13:28:24	0.013	0.031	0.003
278	2014/09/12	13:29:24	0.015	0.031	0.023
279	2014/09/12	13:30:24	0.015	0.032	0.007
280	2014/09/12	13:31:24	0.011	0.029	0.007
281	2014/09/12	13:32:24	0.012	0.029	0.006
282	2014/09/12	13:33:24	0.011	0.027	0.002
283	2014/09/12	13:34:24	0.013	0.030	0.030
284	2014/09/12	13:35:24	0.017	0.033	0.012
285	2014/09/12	13:36:24	0.010	0.026	0.002
286	2014/09/12	13:37:24	0.011	0.027	0.016
287	2014/09/12	13:38:24	0.010	0.032	0.000
288	2014/09/12	13:39:24	0.008	0.024	0.002
289	2014/09/12	13:40:24	0.011	0.026	0.010
290	2014/09/12	13:41:24	0.011	0.028	0.001
291	2014/09/12	13:42:24	0.008	0.024	0.004
292	2014/09/12	13:43:24	0.009	0.027	0.020
293	2014/09/12	13:44:24	0.008	0.025	0.022
294	2014/09/12	13:45:24	0.008	0.024	0.001
295	2014/09/12	13:46:24	0.009	0.026	0.009
296	2014/09/12	13:47:24	0.007	0.020	0.002
297	2014/09/12	13:48:24	0.017	0.054	0.003
298	2014/09/12	13:49:24	0.007	0.022	0.020
299	2014/09/12	13:50:24	0.006	0.019	0.017
300	2014/09/12	13:51:24	0.005	0.022	0.021
301	2014/09/12	13:52:24	0.005	0.019	0.002
302	2014/09/12	13:53:24	0.004	0.016	0.002
303	2014/09/12	13:54:24	0.005	0.018	0.001
304	2014/09/12	13:55:24	0.004	0.018	0.009
305	2014/09/12	13:56:24	0.003	0.017	0.004
306	2014/09/12	13:57:24	0.029	0.195	0.021
307	2014/09/12	13:58:24	0.037	0.112	0.014
308	2014/09/12	13:59:24	0.016	0.041	0.006
309	2014/09/12	14:00:24	0.007	0.022	0.000
310	2014/09/12	14:01:24	0.006	0.020	0.016
311	2014/09/12	14:02:24	0.007	0.021	0.002
312	2014/09/12	14:03:24	0.007	0.023	0.003
313	2014/09/12	14:04:24	0.004	0.019	0.005
314	2014/09/12	14:05:24	0.004	0.018	0.000
315	2014/09/12	14:06:24	0.004	0.017	0.004
316	2014/09/12	14:07:24	0.006	0.019	0.002
317	2014/09/12	14:08:24	0.002	0.013	0.000
318	2014/09/12	14:09:24	0.005	0.018	0.004
319	2014/09/12	14:10:24	0.011	0.055	0.010
320	2014/09/12	14:11:24	0.008	0.031	0.016
321	2014/09/12	14:12:24	0.008	0.025	0.002
322	2014/09/12	14:13:24	0.007	0.023	0.004
323	2014/09/12	14:14:24	0.007	0.019	0.013
324	2014/09/12	14:15:24	0.007	0.022	0.003
325	2014/09/12	14:16:24	0.008	0.019	0.016
326	2014/09/12	14:17:24	0.007	0.022	0.005
327	2014/09/12	14:18:24	0.008	0.020	0.008
328	2014/09/12	14:19:24	0.007	0.020	0.003
329	2014/09/12	14:20:24	0.010	0.023	0.010
330	2014/09/12	14:21:24	0.008	0.021	0.003
331	2014/09/12	14:22:24	0.008	0.023	0.015
332	2014/09/12	14:23:24	0.009	0.022	0.020
333	2014/09/12	14:24:24	0.009	0.023	0.011
334	2014/09/12	14:25:24	0.010	0.025	0.022
335	2014/09/12	14:26:24	0.009	0.024	0.024
336	2014/09/12	14:27:24	0.011	0.025	0.006

337	2014/09/12	14:28:24	0.010	0.024	0.010
338	2014/09/12	14:29:24	0.011	0.026	0.006
339	2014/09/12	14:30:24	0.013	0.028	0.007
340	2014/09/12	14:31:24	0.017	0.034	0.007
341	2014/09/12	14:32:24	0.012	0.025	0.014
342	2014/09/12	14:33:24	0.014	0.027	0.024
343	2014/09/12	14:34:24	0.016	0.030	0.028
344	2014/09/12	14:35:24	0.020	0.039	0.022
345	2014/09/12	14:36:24	0.017	0.031	0.016
346	2014/09/12	14:37:24	0.017	0.028	0.017
347	2014/09/12	14:38:24	0.019	0.034	0.028
348	2014/09/12	14:39:24	0.020	0.033	0.019
349	2014/09/12	14:40:24	0.020	0.032	0.014
350	2014/09/12	14:41:24	0.021	0.031	0.018
351	2014/09/12	14:42:24	0.023	0.037	0.023
352	2014/09/12	14:43:24	0.022	0.033	0.016
353	2014/09/12	14:44:24	0.021	0.030	0.017
354	2014/09/12	14:45:24	0.019	0.031	0.018
355	2014/09/12	14:46:24	0.019	0.030	0.019
356	2014/09/12	14:47:24	0.019	0.031	0.025
357	2014/09/12	14:48:24	0.020	0.031	0.018
358	2014/09/12	14:49:24	0.020	0.030	0.018
359	2014/09/12	14:50:24	0.020	0.031	0.024
360	2014/09/12	14:51:24	0.019	0.031	0.019
361	2014/09/12	14:52:24	0.018	0.029	0.013
362	2014/09/12	14:53:24	0.017	0.028	0.011
363	2014/09/12	14:54:24	0.017	0.028	0.018
364	2014/09/12	14:55:24	0.016	0.026	0.017
365	2014/09/12	14:56:24	0.016	0.025	0.016
366	2014/09/12	14:57:24	0.016	0.025	0.025
367	2014/09/12	14:58:24	0.018	0.026	0.019
368	2014/09/12	14:59:24	0.016	0.026	0.017
369	2014/09/12	15:00:24	0.015	0.025	0.017
370	2014/09/12	15:01:24	0.016	0.025	0.019
371	2014/09/12	15:02:24	0.021	0.032	0.022
372	2014/09/12	15:03:24	0.020	0.031	0.017
373	2014/09/12	15:04:24	0.022	0.030	0.026
374	2014/09/12	15:05:24	0.024	0.040	0.024
375	2014/09/12	15:06:24	0.019	0.029	0.029
376	2014/09/12	15:07:24	0.020	0.029	0.021
377	2014/09/12	15:08:24	0.019	0.029	0.017
378	2014/09/12	15:09:24	0.019	0.028	0.014
379	2014/09/12	15:10:24	0.017	0.026	0.019
380	2014/09/12	15:11:24	0.016	0.024	0.013
381	2014/09/12	15:12:24	0.015	0.023	0.014
382	2014/09/12	15:13:24	0.016	0.025	0.014
383	2014/09/12	15:14:24	0.017	0.044	0.038
384	2014/09/12	15:15:24	0.017	0.045	0.014
385	2014/09/12	15:16:24	0.011	0.017	0.011
386	2014/09/12	15:17:24	0.009	0.019	0.008
387	2014/09/12	15:18:24	0.008	0.017	0.008
388	2014/09/12	15:19:24	0.007	0.014	0.006
389	2014/09/12	15:20:24	0.007	0.014	0.011
390	2014/09/12	15:21:24	0.005	0.012	0.008
391	2014/09/12	15:22:24	0.005	0.010	0.009
392	2014/09/12	15:23:24	0.006	0.012	0.006
393	2014/09/12	15:24:24	0.005	0.011	0.002
394	2014/09/12	15:25:24	0.006	0.033	0.020
395	2014/09/12	15:26:24	0.005	0.022	0.001
396	2014/09/12	15:27:24	0.001	0.007	0.001
397	2014/09/12	15:28:24	0.002	0.008	0.002
398	2014/09/12	15:29:24	0.002	0.006	0.006
399	2014/09/12	15:30:24	0.001	0.006	0.001

400	2014/09/12	15:31:24	0.002	0.007	0.000
401	2014/09/12	15:32:24	0.001	0.004	0.000
402	2014/09/12	15:33:24	0.000	0.003	0.000
403	2014/09/12	15:34:24	0.001	0.005	0.000
404	2014/09/12	15:35:24	0.000	0.005	0.000
405	2014/09/12	15:36:24	0.004	0.013	0.005
406	2014/09/12	15:37:24	0.003	0.012	0.000
407	2014/09/12	15:38:24	0.000	0.004	0.001
408	2014/09/12	15:39:24	0.000	0.003	0.000
409	2014/09/12	15:40:24	0.000	0.000	0.000
410	2014/09/12	15:41:24	0.000	0.001	0.000
411	2014/09/12	15:42:24	0.000	0.001	0.000
412	2014/09/12	15:43:24	0.001	0.011	0.000
413	2014/09/12	15:44:24	0.000	0.000	0.000
414	2014/09/12	15:45:24	0.000	0.000	0.000
415	2014/09/12	15:46:24	0.000	0.000	0.000
416	2014/09/12	15:47:24	0.000	0.000	0.000
417	2014/09/12	15:48:24	0.000	0.000	0.000
418	2014/09/12	15:49:24	0.000	0.003	0.000
419	2014/09/12	15:50:24	0.003	0.024	0.001
420	2014/09/12	15:51:24	0.001	0.008	0.000
421	2014/09/12	15:52:24	0.000	0.000	0.000
422	2014/09/12	15:53:24	0.000	0.000	0.000
423	2014/09/12	15:54:24	0.000	0.002	0.000
424	2014/09/12	15:55:24	0.000	0.001	0.000
425	2014/09/12	15:56:24	0.000	0.000	0.000
426	2014/09/12	15:57:24	0.000	0.000	0.000
427	2014/09/12	15:58:24	0.000	0.000	0.000
428	2014/09/12	15:59:24	0.000	0.000	0.000
429	2014/09/12	16:00:24	0.000	0.000	0.000
430	2014/09/12	16:01:24	0.000	0.000	0.000
431	2014/09/12	16:02:24	0.000	0.000	0.000
432	2014/09/12	16:03:24	0.000	0.000	0.000
433	2014/09/12	16:04:24	0.000	0.000	0.000
434	2014/09/12	16:05:24	0.000	0.001	0.000
435	2014/09/12	16:06:24	0.000	0.000	0.000
436	2014/09/12	16:07:24	0.000	0.000	0.000
437	2014/09/12	16:08:24	0.000	0.000	0.000
438	2014/09/12	16:09:24	0.000	0.000	0.000
439	2014/09/12	16:10:24	0.000	0.000	0.000
440	2014/09/12	16:11:24	0.000	0.000	0.000
441	2014/09/12	16:12:24	0.000	0.000	0.000
442	2014/09/12	16:13:24	0.000	0.000	0.000
443	2014/09/12	16:14:24	0.000	0.000	0.000
444	2014/09/12	16:15:24	0.000	0.000	0.000
445	2014/09/12	16:16:24	0.000	0.000	0.000
446	2014/09/12	16:17:24	0.000	0.000	0.000
447	2014/09/12	16:18:24	0.000	0.000	0.000
448	2014/09/12	16:19:24	0.000	0.000	0.000
449	2014/09/12	16:20:24	0.002	0.036	0.030
450	2014/09/12	16:21:24	0.012	0.055	0.000
451	2014/09/12	16:22:24	0.000	0.000	0.000
452	2014/09/12	16:23:24	0.000	0.000	0.000
453	2014/09/12	16:24:24	0.000	0.000	0.000
454	2014/09/12	16:25:24	0.000	0.000	0.000
455	2014/09/12	16:26:24	0.000	0.000	0.000
456	2014/09/12	16:27:24	0.000	0.000	0.000
457	2014/09/12	16:28:24	0.000	0.000	0.000
458	2014/09/12	16:29:24	0.029	0.115	0.090
Peak			0.217	0.842	0.444
Min			0.000	0.000	0.000
Average			0.009	0.027	0.010

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2014/09/12 08:52:24	0.000	---
002	2014/09/12 08:53:24	0.000	---
003	2014/09/12 08:54:24	0.000	---
004	2014/09/12 08:55:24	0.000	---
005	2014/09/12 08:56:24	0.000	---
006	2014/09/12 08:57:24	0.000	---
007	2014/09/12 08:58:24	0.000	---
008	2014/09/12 08:59:24	0.000	---
009	2014/09/12 09:00:24	0.000	---
010	2014/09/12 09:01:24	0.000	---
011	2014/09/12 09:02:24	0.000	---
012	2014/09/12 09:03:24	0.000	---
013	2014/09/12 09:04:24	0.000	---
014	2014/09/12 09:05:24	0.000	---
015	2014/09/12 09:06:24	0.000	0.000
016	2014/09/12 09:07:24	0.000	0.000
017	2014/09/12 09:08:24	0.000	0.000
018	2014/09/12 09:09:24	0.000	0.000
019	2014/09/12 09:10:24	0.000	0.000
020	2014/09/12 09:11:24	0.000	0.000
021	2014/09/12 09:12:24	0.000	0.000
022	2014/09/12 09:13:24	0.000	0.000
023	2014/09/12 09:14:24	0.000	0.000
024	2014/09/12 09:15:24	0.000	0.000
025	2014/09/12 09:16:24	0.000	0.000
026	2014/09/12 09:17:24	0.000	0.000
027	2014/09/12 09:18:24	0.000	0.000
028	2014/09/12 09:19:24	0.000	0.000
029	2014/09/12 09:20:24	0.000	0.000
030	2014/09/12 09:21:24	0.000	0.000
031	2014/09/12 09:22:24	0.000	0.000
032	2014/09/12 09:23:24	0.000	0.000
033	2014/09/12 09:24:24	0.000	0.000
034	2014/09/12 09:25:24	0.000	0.000
035	2014/09/12 09:26:24	0.000	0.000
036	2014/09/12 09:27:24	0.000	0.000
037	2014/09/12 09:28:24	0.000	0.000
038	2014/09/12 09:29:24	0.000	0.000
039	2014/09/12 09:30:24	0.000	0.000
040	2014/09/12 09:31:24	0.000	0.000
041	2014/09/12 09:32:24	0.000	0.000
042	2014/09/12 09:33:24	0.000	0.000
043	2014/09/12 09:34:24	0.000	0.000
044	2014/09/12 09:35:24	0.000	0.000
045	2014/09/12 09:36:24	0.000	0.000
046	2014/09/12 09:37:24	0.000	0.000
047	2014/09/12 09:38:24	0.000	0.001
048	2014/09/12 09:39:24	0.000	0.001
049	2014/09/12 09:40:24	0.000	0.001
050	2014/09/12 09:41:24	0.000	0.001
051	2014/09/12 09:42:24	0.000	0.001
052	2014/09/12 09:43:24	0.000	0.001
053	2014/09/12 09:44:24	0.000	0.001
054	2014/09/12 09:45:24	0.000	0.001
055	2014/09/12 09:46:24	0.000	0.001
056	2014/09/12 09:47:24	0.000	0.001
057	2014/09/12 09:48:24	0.000	0.001
058	2014/09/12 09:49:24	0.000	0.001
059	2014/09/12 09:50:24	0.000	0.001

060	2014/09/12	09:51:24	0.000	0.001
061	2014/09/12	09:52:24	0.000	0.001
062	2014/09/12	09:53:24	0.000	0.001
063	2014/09/12	09:54:24	0.000	0.001
064	2014/09/12	09:55:24	0.000	0.001
065	2014/09/12	09:56:24	0.000	0.002
066	2014/09/12	09:57:24	0.000	0.002
067	2014/09/12	09:58:24	0.000	0.003
068	2014/09/12	09:59:24	0.000	0.003
069	2014/09/12	10:00:24	0.000	0.004
070	2014/09/12	10:01:24	0.000	0.005
071	2014/09/12	10:02:24	0.000	0.005
072	2014/09/12	10:03:24	0.000	0.005
073	2014/09/12	10:04:24	0.000	0.006
074	2014/09/12	10:05:24	0.000	0.006
075	2014/09/12	10:06:24	0.000	0.006
076	2014/09/12	10:07:24	0.000	0.007
077	2014/09/12	10:08:24	0.000	0.008
078	2014/09/12	10:09:24	0.000	0.008
079	2014/09/12	10:10:24	0.000	0.009
080	2014/09/12	10:11:24	0.000	0.009
081	2014/09/12	10:12:24	0.000	0.008
082	2014/09/12	10:13:24	0.000	0.008
083	2014/09/12	10:14:24	0.000	0.008
084	2014/09/12	10:15:24	0.000	0.008
085	2014/09/12	10:16:24	0.000	0.008
086	2014/09/12	10:17:24	0.000	0.009
087	2014/09/12	10:18:24	0.000	0.009
088	2014/09/12	10:19:24	0.001	0.012
089	2014/09/12	10:20:24	0.001	0.014
090	2014/09/12	10:21:24	0.001	0.014
091	2014/09/12	10:22:24	0.001	0.013
092	2014/09/12	10:23:24	0.001	0.012
093	2014/09/12	10:24:24	0.001	0.014
094	2014/09/12	10:25:24	0.001	0.015
095	2014/09/12	10:26:24	0.001	0.015
096	2014/09/12	10:27:24	0.001	0.015
097	2014/09/12	10:28:24	0.001	0.015
098	2014/09/12	10:29:24	0.001	0.016
099	2014/09/12	10:30:24	0.001	0.015
100	2014/09/12	10:31:24	0.001	0.016
101	2014/09/12	10:32:24	0.001	0.017
102	2014/09/12	10:33:24	0.001	0.016
103	2014/09/12	10:34:24	0.001	0.012
104	2014/09/12	10:35:24	0.001	0.012
105	2014/09/12	10:36:24	0.001	0.012
106	2014/09/12	10:37:24	0.001	0.018
107	2014/09/12	10:38:24	0.001	0.018
108	2014/09/12	10:39:24	0.001	0.016
109	2014/09/12	10:40:24	0.001	0.015
110	2014/09/12	10:41:24	0.001	0.016
111	2014/09/12	10:42:24	0.001	0.016
112	2014/09/12	10:43:24	0.001	0.015
113	2014/09/12	10:44:24	0.001	0.013
114	2014/09/12	10:45:24	0.001	0.013
115	2014/09/12	10:46:24	0.001	0.012
116	2014/09/12	10:47:24	0.001	0.011
117	2014/09/12	10:48:24	0.001	0.012
118	2014/09/12	10:49:24	0.001	0.012
119	2014/09/12	10:50:24	0.001	0.011
120	2014/09/12	10:51:24	0.001	0.010
121	2014/09/12	10:52:24	0.001	0.005
122	2014/09/12	10:53:24	0.001	0.006

123	2014/09/12	10:54:24	0.001	0.006
124	2014/09/12	10:55:24	0.001	0.006
125	2014/09/12	10:56:24	0.001	0.006
126	2014/09/12	10:57:24	0.002	0.007
127	2014/09/12	10:58:24	0.002	0.007
128	2014/09/12	10:59:24	0.002	0.036
129	2014/09/12	11:00:24	0.003	0.042
130	2014/09/12	11:01:24	0.003	0.042
131	2014/09/12	11:02:24	0.003	0.043
132	2014/09/12	11:03:24	0.003	0.043
133	2014/09/12	11:04:24	0.003	0.043
134	2014/09/12	11:05:24	0.003	0.045
135	2014/09/12	11:06:24	0.003	0.045
136	2014/09/12	11:07:24	0.003	0.045
137	2014/09/12	11:08:24	0.003	0.045
138	2014/09/12	11:09:24	0.003	0.044
139	2014/09/12	11:10:24	0.003	0.045
140	2014/09/12	11:11:24	0.003	0.045
141	2014/09/12	11:12:24	0.003	0.044
142	2014/09/12	11:13:24	0.003	0.044
143	2014/09/12	11:14:24	0.003	0.015
144	2014/09/12	11:15:24	0.003	0.010
145	2014/09/12	11:16:24	0.003	0.010
146	2014/09/12	11:17:24	0.003	0.010
147	2014/09/12	11:18:24	0.003	0.009
148	2014/09/12	11:19:24	0.003	0.009
149	2014/09/12	11:20:24	0.003	0.007
150	2014/09/12	11:21:24	0.003	0.007
151	2014/09/12	11:22:24	0.003	0.007
152	2014/09/12	11:23:24	0.003	0.008
153	2014/09/12	11:24:24	0.003	0.008
154	2014/09/12	11:25:24	0.003	0.008
155	2014/09/12	11:26:24	0.003	0.008
156	2014/09/12	11:27:24	0.003	0.009
157	2014/09/12	11:28:24	0.003	0.010
158	2014/09/12	11:29:24	0.003	0.010
159	2014/09/12	11:30:24	0.003	0.011
160	2014/09/12	11:31:24	0.003	0.011
161	2014/09/12	11:32:24	0.003	0.011
162	2014/09/12	11:33:24	0.003	0.011
163	2014/09/12	11:34:24	0.003	0.011
164	2014/09/12	11:35:24	0.003	0.011
165	2014/09/12	11:36:24	0.003	0.011
166	2014/09/12	11:37:24	0.003	0.011
167	2014/09/12	11:38:24	0.003	0.011
168	2014/09/12	11:39:24	0.003	0.011
169	2014/09/12	11:40:24	0.003	0.010
170	2014/09/12	11:41:24	0.003	0.010
171	2014/09/12	11:42:24	0.004	0.010
172	2014/09/12	11:43:24	0.004	0.010
173	2014/09/12	11:44:24	0.004	0.010
174	2014/09/12	11:45:24	0.004	0.010
175	2014/09/12	11:46:24	0.004	0.010
176	2014/09/12	11:47:24	0.004	0.010
177	2014/09/12	11:48:24	0.004	0.009
178	2014/09/12	11:49:24	0.004	0.009
179	2014/09/12	11:50:24	0.004	0.008
180	2014/09/12	11:51:24	0.004	0.007
181	2014/09/12	11:52:24	0.004	0.007
182	2014/09/12	11:53:24	0.004	0.006
183	2014/09/12	11:54:24	0.004	0.007
184	2014/09/12	11:55:24	0.004	0.010
185	2014/09/12	11:56:24	0.004	0.012

186	2014/09/12 11:57:24	0.004	0.012
187	2014/09/12 11:58:24	0.004	0.011
188	2014/09/12 11:59:24	0.004	0.011
189	2014/09/12 12:00:24	0.004	0.011
190	2014/09/12 12:01:24	0.004	0.011
191	2014/09/12 12:02:24	0.004	0.011
192	2014/09/12 12:03:24	0.004	0.012
193	2014/09/12 12:04:24	0.004	0.013
194	2014/09/12 12:05:24	0.004	0.013
195	2014/09/12 12:06:24	0.004	0.013
196	2014/09/12 12:07:24	0.004	0.013
197	2014/09/12 12:08:24	0.004	0.013
198	2014/09/12 12:09:24	0.004	0.012
199	2014/09/12 12:10:24	0.004	0.009
200	2014/09/12 12:11:24	0.004	0.006
201	2014/09/12 12:12:24	0.004	0.005
202	2014/09/12 12:13:24	0.004	0.005
203	2014/09/12 12:14:24	0.004	0.004
204	2014/09/12 12:15:24	0.004	0.004
205	2014/09/12 12:16:24	0.004	0.004
206	2014/09/12 12:17:24	0.004	0.003
207	2014/09/12 12:18:24	0.004	0.002
208	2014/09/12 12:19:24	0.004	0.001
209	2014/09/12 12:20:24	0.004	0.001
210	2014/09/12 12:21:24	0.004	0.001
211	2014/09/12 12:22:24	0.004	0.001
212	2014/09/12 12:23:24	0.004	0.001
213	2014/09/12 12:24:24	0.004	0.001
214	2014/09/12 12:25:24	0.004	0.001
215	2014/09/12 12:26:24	0.004	0.001
216	2014/09/12 12:27:24	0.004	0.001
217	2014/09/12 12:28:24	0.004	0.001
218	2014/09/12 12:29:24	0.004	0.003
219	2014/09/12 12:30:24	0.004	0.004
220	2014/09/12 12:31:24	0.004	0.006
221	2014/09/12 12:32:24	0.004	0.010
222	2014/09/12 12:33:24	0.004	0.010
223	2014/09/12 12:34:24	0.004	0.011
224	2014/09/12 12:35:24	0.004	0.012
225	2014/09/12 12:36:24	0.004	0.012
226	2014/09/12 12:37:24	0.004	0.012
227	2014/09/12 12:38:24	0.004	0.012
228	2014/09/12 12:39:24	0.004	0.013
229	2014/09/12 12:40:24	0.005	0.014
230	2014/09/12 12:41:24	0.005	0.014
231	2014/09/12 12:42:24	0.005	0.015
232	2014/09/12 12:43:24	0.005	0.016
233	2014/09/12 12:44:24	0.005	0.014
234	2014/09/12 12:45:24	0.005	0.014
235	2014/09/12 12:46:24	0.005	0.012
236	2014/09/12 12:47:24	0.005	0.009
237	2014/09/12 12:48:24	0.005	0.010
238	2014/09/12 12:49:24	0.005	0.011
239	2014/09/12 12:50:24	0.005	0.010
240	2014/09/12 12:51:24	0.005	0.010
241	2014/09/12 12:52:24	0.005	0.010
242	2014/09/12 12:53:24	0.005	0.011
243	2014/09/12 12:54:24	0.005	0.011
244	2014/09/12 12:55:24	0.005	0.011
245	2014/09/12 12:56:24	0.005	0.011
246	2014/09/12 12:57:24	0.005	0.011
247	2014/09/12 12:58:24	0.005	0.012
248	2014/09/12 12:59:24	0.005	0.011

249	2014/09/12 13:00:24	0.005	0.010
250	2014/09/12 13:01:24	0.005	0.010
251	2014/09/12 13:02:24	0.005	0.010
252	2014/09/12 13:03:24	0.005	0.010
253	2014/09/12 13:04:24	0.005	0.010
254	2014/09/12 13:05:24	0.005	0.010
255	2014/09/12 13:06:24	0.005	0.011
256	2014/09/12 13:07:24	0.005	0.012
257	2014/09/12 13:08:24	0.005	0.012
258	2014/09/12 13:09:24	0.005	0.013
259	2014/09/12 13:10:24	0.005	0.013
260	2014/09/12 13:11:24	0.005	0.013
261	2014/09/12 13:12:24	0.005	0.014
262	2014/09/12 13:13:24	0.005	0.015
263	2014/09/12 13:14:24	0.005	0.015
264	2014/09/12 13:15:24	0.005	0.017
265	2014/09/12 13:16:24	0.006	0.018
266	2014/09/12 13:17:24	0.006	0.018
267	2014/09/12 13:18:24	0.006	0.018
268	2014/09/12 13:19:24	0.006	0.018
269	2014/09/12 13:20:24	0.006	0.017
270	2014/09/12 13:21:24	0.006	0.018
271	2014/09/12 13:22:24	0.006	0.018
272	2014/09/12 13:23:24	0.006	0.018
273	2014/09/12 13:24:24	0.006	0.018
274	2014/09/12 13:25:24	0.006	0.018
275	2014/09/12 13:26:24	0.006	0.018
276	2014/09/12 13:27:24	0.006	0.018
277	2014/09/12 13:28:24	0.006	0.016
278	2014/09/12 13:29:24	0.006	0.017
279	2014/09/12 13:30:24	0.006	0.016
280	2014/09/12 13:31:24	0.006	0.014
281	2014/09/12 13:32:24	0.006	0.014
282	2014/09/12 13:33:24	0.006	0.013
283	2014/09/12 13:34:24	0.006	0.015
284	2014/09/12 13:35:24	0.006	0.016
285	2014/09/12 13:36:24	0.006	0.014
286	2014/09/12 13:37:24	0.006	0.013
287	2014/09/12 13:38:24	0.006	0.012
288	2014/09/12 13:39:24	0.006	0.011
289	2014/09/12 13:40:24	0.006	0.010
290	2014/09/12 13:41:24	0.006	0.009
291	2014/09/12 13:42:24	0.006	0.008
292	2014/09/12 13:43:24	0.006	0.009
293	2014/09/12 13:44:24	0.006	0.009
294	2014/09/12 13:45:24	0.006	0.009
295	2014/09/12 13:46:24	0.006	0.009
296	2014/09/12 13:47:24	0.006	0.009
297	2014/09/12 13:48:24	0.006	0.009
298	2014/09/12 13:49:24	0.006	0.008
299	2014/09/12 13:50:24	0.006	0.009
300	2014/09/12 13:51:24	0.006	0.010
301	2014/09/12 13:52:24	0.006	0.009
302	2014/09/12 13:53:24	0.006	0.009
303	2014/09/12 13:54:24	0.006	0.009
304	2014/09/12 13:55:24	0.006	0.009
305	2014/09/12 13:56:24	0.006	0.009
306	2014/09/12 13:57:24	0.006	0.010
307	2014/09/12 13:58:24	0.006	0.010
308	2014/09/12 13:59:24	0.007	0.009
309	2014/09/12 14:00:24	0.007	0.009
310	2014/09/12 14:01:24	0.007	0.009
311	2014/09/12 14:02:24	0.007	0.009

312	2014/09/12	14:03:24	0.007	0.009
313	2014/09/12	14:04:24	0.007	0.008
314	2014/09/12	14:05:24	0.007	0.007
315	2014/09/12	14:06:24	0.007	0.006
316	2014/09/12	14:07:24	0.007	0.006
317	2014/09/12	14:08:24	0.007	0.006
318	2014/09/12	14:09:24	0.007	0.006
319	2014/09/12	14:10:24	0.007	0.006
320	2014/09/12	14:11:24	0.007	0.007
321	2014/09/12	14:12:24	0.007	0.006
322	2014/09/12	14:13:24	0.007	0.005
323	2014/09/12	14:14:24	0.007	0.005
324	2014/09/12	14:15:24	0.007	0.006
325	2014/09/12	14:16:24	0.007	0.006
326	2014/09/12	14:17:24	0.007	0.006
327	2014/09/12	14:18:24	0.007	0.006
328	2014/09/12	14:19:24	0.007	0.006
329	2014/09/12	14:20:24	0.007	0.007
330	2014/09/12	14:21:24	0.007	0.007
331	2014/09/12	14:22:24	0.007	0.007
332	2014/09/12	14:23:24	0.007	0.009
333	2014/09/12	14:24:24	0.007	0.009
334	2014/09/12	14:25:24	0.007	0.010
335	2014/09/12	14:26:24	0.007	0.011
336	2014/09/12	14:27:24	0.007	0.011
337	2014/09/12	14:28:24	0.007	0.011
338	2014/09/12	14:29:24	0.007	0.011
339	2014/09/12	14:30:24	0.007	0.011
340	2014/09/12	14:31:24	0.007	0.010
341	2014/09/12	14:32:24	0.007	0.011
342	2014/09/12	14:33:24	0.007	0.012
343	2014/09/12	14:34:24	0.007	0.014
344	2014/09/12	14:35:24	0.007	0.015
345	2014/09/12	14:36:24	0.007	0.015
346	2014/09/12	14:37:24	0.007	0.016
347	2014/09/12	14:38:24	0.007	0.016
348	2014/09/12	14:39:24	0.007	0.017
349	2014/09/12	14:40:24	0.007	0.016
350	2014/09/12	14:41:24	0.007	0.016
351	2014/09/12	14:42:24	0.008	0.017
352	2014/09/12	14:43:24	0.008	0.017
353	2014/09/12	14:44:24	0.008	0.018
354	2014/09/12	14:45:24	0.008	0.019
355	2014/09/12	14:46:24	0.008	0.020
356	2014/09/12	14:47:24	0.008	0.020
357	2014/09/12	14:48:24	0.008	0.020
358	2014/09/12	14:49:24	0.008	0.019
359	2014/09/12	14:50:24	0.008	0.019
360	2014/09/12	14:51:24	0.008	0.020
361	2014/09/12	14:52:24	0.008	0.019
362	2014/09/12	14:53:24	0.008	0.018
363	2014/09/12	14:54:24	0.008	0.018
364	2014/09/12	14:55:24	0.008	0.018
365	2014/09/12	14:56:24	0.008	0.018
366	2014/09/12	14:57:24	0.008	0.018
367	2014/09/12	14:58:24	0.008	0.018
368	2014/09/12	14:59:24	0.008	0.018
369	2014/09/12	15:00:24	0.008	0.018
370	2014/09/12	15:01:24	0.008	0.018
371	2014/09/12	15:02:24	0.008	0.018
372	2014/09/12	15:03:24	0.008	0.018
373	2014/09/12	15:04:24	0.008	0.019
374	2014/09/12	15:05:24	0.008	0.019

375	2014/09/12	15:06:24	0.008	0.019
376	2014/09/12	15:07:24	0.009	0.020
377	2014/09/12	15:08:24	0.009	0.020
378	2014/09/12	15:09:24	0.009	0.020
379	2014/09/12	15:10:24	0.009	0.020
380	2014/09/12	15:11:24	0.009	0.020
381	2014/09/12	15:12:24	0.009	0.019
382	2014/09/12	15:13:24	0.009	0.019
383	2014/09/12	15:14:24	0.009	0.020
384	2014/09/12	15:15:24	0.009	0.020
385	2014/09/12	15:16:24	0.009	0.020
386	2014/09/12	15:17:24	0.009	0.019
387	2014/09/12	15:18:24	0.009	0.018
388	2014/09/12	15:19:24	0.009	0.017
389	2014/09/12	15:20:24	0.009	0.016
390	2014/09/12	15:21:24	0.009	0.014
391	2014/09/12	15:22:24	0.009	0.014
392	2014/09/12	15:23:24	0.009	0.013
393	2014/09/12	15:24:24	0.009	0.012
394	2014/09/12	15:25:24	0.009	0.012
395	2014/09/12	15:26:24	0.009	0.011
396	2014/09/12	15:27:24	0.009	0.010
397	2014/09/12	15:28:24	0.009	0.010
398	2014/09/12	15:29:24	0.009	0.008
399	2014/09/12	15:30:24	0.009	0.007
400	2014/09/12	15:31:24	0.009	0.006
401	2014/09/12	15:32:24	0.009	0.005
402	2014/09/12	15:33:24	0.009	0.005
403	2014/09/12	15:34:24	0.009	0.004
404	2014/09/12	15:35:24	0.009	0.004
405	2014/09/12	15:36:24	0.009	0.004
406	2014/09/12	15:37:24	0.009	0.003
407	2014/09/12	15:38:24	0.009	0.003
408	2014/09/12	15:39:24	0.009	0.002
409	2014/09/12	15:40:24	0.009	0.001
410	2014/09/12	15:41:24	0.009	0.001
411	2014/09/12	15:42:24	0.009	0.001
412	2014/09/12	15:43:24	0.009	0.001
413	2014/09/12	15:44:24	0.009	0.000
414	2014/09/12	15:45:24	0.009	0.000
415	2014/09/12	15:46:24	0.009	0.000
416	2014/09/12	15:47:24	0.009	0.000
417	2014/09/12	15:48:24	0.009	0.000
418	2014/09/12	15:49:24	0.009	0.000
419	2014/09/12	15:50:24	0.009	0.000
420	2014/09/12	15:51:24	0.009	0.000
421	2014/09/12	15:52:24	0.009	0.000
422	2014/09/12	15:53:24	0.009	0.000
423	2014/09/12	15:54:24	0.009	0.000
424	2014/09/12	15:55:24	0.009	0.000
425	2014/09/12	15:56:24	0.009	0.000
426	2014/09/12	15:57:24	0.009	0.000
427	2014/09/12	15:58:24	0.009	0.000
428	2014/09/12	15:59:24	0.009	0.000
429	2014/09/12	16:00:24	0.009	0.000
430	2014/09/12	16:01:24	0.009	0.000
431	2014/09/12	16:02:24	0.009	0.000
432	2014/09/12	16:03:24	0.009	0.000
433	2014/09/12	16:04:24	0.009	0.000
434	2014/09/12	16:05:24	0.009	0.000
435	2014/09/12	16:06:24	0.009	0.000
436	2014/09/12	16:07:24	0.009	0.000
437	2014/09/12	16:08:24	0.009	0.000

438	2014/09/12 16:09:24	0.009	0.000
439	2014/09/12 16:10:24	0.009	0.000
440	2014/09/12 16:11:24	0.009	0.000
441	2014/09/12 16:12:24	0.009	0.000
442	2014/09/12 16:13:24	0.009	0.000
443	2014/09/12 16:14:24	0.009	0.000
444	2014/09/12 16:15:24	0.009	0.000
445	2014/09/12 16:16:24	0.009	0.000
446	2014/09/12 16:17:24	0.009	0.000
447	2014/09/12 16:18:24	0.009	0.000
448	2014/09/12 16:19:24	0.009	0.000
449	2014/09/12 16:20:24	0.009	0.002
450	2014/09/12 16:21:24	0.009	0.002
451	2014/09/12 16:22:24	0.009	0.002
452	2014/09/12 16:23:24	0.009	0.002
453	2014/09/12 16:24:24	0.009	0.002
454	2014/09/12 16:25:24	0.009	0.002
455	2014/09/12 16:26:24	0.009	0.002
456	2014/09/12 16:27:24	0.009	0.002
457	2014/09/12 16:28:24	0.009	0.002
458	2014/09/12 16:29:24	0.009	0.008

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530113803
Firmware Version	3.7
Calibration Date	11/5/2014
Test Name	MANUAL_001
Test Start Time	8:52:20 AM
Test Start Date	7/22/2021
Test Length [D:H:M]	0:07:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.019
Mass Minimum [mg/m3]	0.016
Mass Maximum [mg/m3]	0.024
Mass TWA [mg/m3]	0.018
Photometric User Cal	0.85
Flow User Cal	0
Errors	
Number of Samples	29

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.024		
1800	0.022		
2700	0.022		
3600	0.021		
4500	0.019		
5400	0.019		
6300	0.019		
7200	0.019		
8100	0.016		
9000	0.016		
9900	0.017		
10800	0.018		
11700	0.018		
12600	0.018		
13500	0.019		
14400	0.019		
15300	0.019		
16200	0.019		
17100	0.02		
18000	0.019		
18900	0.019		
19800	0.02		
20700	0.022		
21600	0.02		
22500	0.02		
23400	0.02		
24300	0.02		

25200	0.02
26100	0.02

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21/07/22 08:56
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905459
Unit Firmware Ver	V2.22A
Running Mode	Search Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00001
User ID	USER0000
Begin	7/22/2021 8:56
End	7/22/2021 16:18
Sample Period(s)	60
Number of Records	441
Sensor	PID(ppm)
Sensor SN	S023030013T3
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	7/22/2021 7:45
Peak	0.1
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	7/22/2021 8:57	0.1	0.2	1.1	0.1
2	7/22/2021 8:58	0	0	0.1	0
3	7/22/2021 8:59	0	0	0	0
4	7/22/2021 9:00	0	0	0	0
5	7/22/2021 9:01	0	0	0	0

6	7/22/2021 9:02	0	0	0	0
7	7/22/2021 9:03	0	0	0	0
8	7/22/2021 9:04	0	0	0	0
9	7/22/2021 9:05	0	0	0	0
10	7/22/2021 9:06	0	0	0	0
11	7/22/2021 9:07	0	0	0	0
12	7/22/2021 9:08	0	0	0	0
13	7/22/2021 9:09	0	0	0	0
14	7/22/2021 9:10	0	0	0	0
15	7/22/2021 9:11	0	0	0	0
16	7/22/2021 9:12	0	0	0	0
17	7/22/2021 9:13	0	0	0	0
18	7/22/2021 9:14	0	0	0	0
19	7/22/2021 9:15	0	0	0	0
20	7/22/2021 9:16	0	0	0	0
21	7/22/2021 9:17	0	0	0	0
22	7/22/2021 9:18	0	0	0	0
23	7/22/2021 9:19	0	0	0	0
24	7/22/2021 9:20	0	0	0	0
25	7/22/2021 9:21	0	0	0	0
26	7/22/2021 9:22	0	0	0	0
27	7/22/2021 9:23	0	0	0	0
28	7/22/2021 9:24	0	0	0	0
29	7/22/2021 9:25	0	0	0	0
30	7/22/2021 9:26	0	0	0.2	0
31	7/22/2021 9:27	0	0	0.1	0
32	7/22/2021 9:28	0	0	0	0
33	7/22/2021 9:29	0	0	0	0
34	7/22/2021 9:30	0	0	0	0
35	7/22/2021 9:31	0	0	0	0
36	7/22/2021 9:32	0	0	0	0
37	7/22/2021 9:33	0	0	0	0
38	7/22/2021 9:34	0	0	0	0
39	7/22/2021 9:35	0	0	0.1	0
40	7/22/2021 9:36	0	0	0.1	0
41	7/22/2021 9:37	0	0	0.1	0
42	7/22/2021 9:38	0	0	0	0
43	7/22/2021 9:39	0	0	0	0
44	7/22/2021 9:40	0	0	0.1	0
45	7/22/2021 9:41	0	0	0	0
46	7/22/2021 9:42	0	0	0.1	0
47	7/22/2021 9:43	0	0	0	0
48	7/22/2021 9:44	0	0	0	0
49	7/22/2021 9:45	0	0	0	0
50	7/22/2021 9:46	0	0	0	0
51	7/22/2021 9:47	0	0	0	0
52	7/22/2021 9:48	0	0	0	0

53	7/22/2021 9:49	0	0	0	0
54	7/22/2021 9:50	0	0	0	0
55	7/22/2021 9:51	0	0	0	0
56	7/22/2021 9:52	0	0	0	0
57	7/22/2021 9:53	0	0	0	0
58	7/22/2021 9:54	0	0	0.1	0
59	7/22/2021 9:55	0	0	0.1	0
60	7/22/2021 9:56	0	0	0	0
61	7/22/2021 9:57	0	0	0	0
62	7/22/2021 9:58	0	0	0.1	0
63	7/22/2021 9:59	0	0	0	0
64	7/22/2021 10:00	0	0	0.1	0
65	7/22/2021 10:01	0	0	0.1	0
66	7/22/2021 10:02	0	0	0.1	0
67	7/22/2021 10:03	0	0	0	0
68	7/22/2021 10:04	0	0	0	0
69	7/22/2021 10:05	0	0	0.1	0
70	7/22/2021 10:06	0	0	0	0
71	7/22/2021 10:07	0	0	0	0
72	7/22/2021 10:08	0	0	0	0
73	7/22/2021 10:09	0	0	0	0
74	7/22/2021 10:10	0	0	0	0
75	7/22/2021 10:11	0	0	0	0
76	7/22/2021 10:12	0	0	0	0
77	7/22/2021 10:13	0	0	0	0
78	7/22/2021 10:14	0	0	0	0
79	7/22/2021 10:15	0	0	0.1	0.1
80	7/22/2021 10:16	0	0	0.1	0
81	7/22/2021 10:17	0	0	0	0
82	7/22/2021 10:18	0	0	0	0
83	7/22/2021 10:19	0	0	0	0
84	7/22/2021 10:20	0	0	0	0
85	7/22/2021 10:21	0	0	0	0
86	7/22/2021 10:22	0	0	0	0
87	7/22/2021 10:23	0	0	0	0
88	7/22/2021 10:24	0	0	0	0
89	7/22/2021 10:25	0	0	0	0
90	7/22/2021 10:26	0	0	0	0
91	7/22/2021 10:27	0	0	0	0
92	7/22/2021 10:28	0	0	0	0
93	7/22/2021 10:29	0	0	0	0
94	7/22/2021 10:30	0	0	0	0
95	7/22/2021 10:31	0	0	0	0
96	7/22/2021 10:32	0	0	0	0
97	7/22/2021 10:33	0	0	0	0
98	7/22/2021 10:34	0	0	0	0
99	7/22/2021 10:35	0	0	0	0

100	7/22/2021 10:36	0	0	0	0
101	7/22/2021 10:37	0	0	0	0
102	7/22/2021 10:38	0	0	0	0
103	7/22/2021 10:39	0	0	0	0
104	7/22/2021 10:40	0	0	0	0
105	7/22/2021 10:41	0	0	0	0
106	7/22/2021 10:42	0	0	0	0
107	7/22/2021 10:43	0	0	0	0
108	7/22/2021 10:44	0	0	0.1	0
109	7/22/2021 10:45	0	0.1	0.2	0.1
110	7/22/2021 10:46	0	0	0.1	0
111	7/22/2021 10:47	0	0	0	0
112	7/22/2021 10:48	0	0	0.1	0
113	7/22/2021 10:49	0	0	0.1	0
114	7/22/2021 10:50	0	0	0	0
115	7/22/2021 10:51	0	0	0.1	0
116	7/22/2021 10:52	0	0	0	0
117	7/22/2021 10:53	0	0	0	0
118	7/22/2021 10:54	0	0	0	0
119	7/22/2021 10:55	0	0.1	0.1	0
120	7/22/2021 10:56	0	0.1	0.1	0.1
121	7/22/2021 10:57	0	0.1	0.1	0.1
122	7/22/2021 10:58	0	0.1	0.1	0.1
123	7/22/2021 10:59	0	0.1	0.1	0.1
124	7/22/2021 11:00	0	0.1	0.1	0.1
125	7/22/2021 11:01	0	0.1	0.1	0.1
126	7/22/2021 11:02	0	0.1	0.1	0
127	7/22/2021 11:03	0	0.1	0.1	0.1
128	7/22/2021 11:04	0.1	0.1	0.1	0.1
129	7/22/2021 11:05	0	0.1	0.1	0.1
130	7/22/2021 11:06	0.1	0.1	0.1	0.1
131	7/22/2021 11:07	0	0.1	0.1	0.1
132	7/22/2021 11:08	0	0.1	0.1	0.1
133	7/22/2021 11:09	0.1	0.1	0.1	0.1
134	7/22/2021 11:10	0	0.1	0.1	0
135	7/22/2021 11:11	0	0.1	0.1	0.1
136	7/22/2021 11:12	0.1	0.1	0.1	0.1
137	7/22/2021 11:13	0	0.1	0.1	0
138	7/22/2021 11:14	0	0.1	0.1	0.1
139	7/22/2021 11:15	0.1	0.1	0.1	0.1
140	7/22/2021 11:16	0.1	0.1	0.1	0.1
141	7/22/2021 11:17	0.1	0.1	0.1	0.1
142	7/22/2021 11:18	0.1	0.1	0.1	0.1
143	7/22/2021 11:19	0.1	0.1	0.1	0.1
144	7/22/2021 11:20	0.1	0.1	0.1	0.1
145	7/22/2021 11:21	0.1	0.1	0.1	0.1
146	7/22/2021 11:22	0.1	0.1	0.1	0.1

147	7/22/2021 11:23	0	0.1	0.1	0.1
148	7/22/2021 11:24	0	0.1	0.1	0.1
149	7/22/2021 11:25	0.1	0.1	0.1	0.1
150	7/22/2021 11:26	0.1	0.1	0.1	0.1
151	7/22/2021 11:27	0	0.1	0.1	0.1
152	7/22/2021 11:28	0.1	0.1	0.1	0.1
153	7/22/2021 11:29	0.1	0.1	0.1	0.1
154	7/22/2021 11:30	0.1	0.1	0.1	0.1
155	7/22/2021 11:31	0.1	0.1	0.1	0.1
156	7/22/2021 11:32	0.1	0.1	0.1	0.1
157	7/22/2021 11:33	0.1	0.1	0.1	0.1
158	7/22/2021 11:34	0.1	0.1	0.1	0.1
159	7/22/2021 11:35	0.1	0.1	0.1	0.1
160	7/22/2021 11:36	0	0	0.1	0
161	7/22/2021 11:37	0	0	0.1	0
162	7/22/2021 11:38	0	0	0.1	0
163	7/22/2021 11:39	0	0	0	0
164	7/22/2021 11:40	0	0	0.1	0
165	7/22/2021 11:41	0	0.1	0.1	0.1
166	7/22/2021 11:42	0	0.1	0.1	0.1
167	7/22/2021 11:43	0	0.1	0.1	0.1
168	7/22/2021 11:44	0.1	0.1	0.1	0.1
169	7/22/2021 11:45	0	0	0.1	0
170	7/22/2021 11:46	0	0	0.1	0
171	7/22/2021 11:47	0	0	0.1	0
172	7/22/2021 11:48	0	0	0	0
173	7/22/2021 11:49	0	0	0.1	0
174	7/22/2021 11:50	0	0	0.1	0.1
175	7/22/2021 11:51	0	0	0.1	0
176	7/22/2021 11:52	0	0	0	0
177	7/22/2021 11:53	0	0	0	0
178	7/22/2021 11:54	0	0	0	0
179	7/22/2021 11:55	0	0	0	0
180	7/22/2021 11:56	0	0	0	0
181	7/22/2021 11:57	0	0	0	0
182	7/22/2021 11:58	0	0	0	0
183	7/22/2021 11:59	0	0	0	0
184	7/22/2021 12:00	0	0	0	0
185	7/22/2021 12:01	0	0	0	0
186	7/22/2021 12:02	0	0	0	0
187	7/22/2021 12:03	0	0	0	0
188	7/22/2021 12:04	0	0	0	0
189	7/22/2021 12:05	0	0	0	0
190	7/22/2021 12:06	0	0	0	0
191	7/22/2021 12:07	0	0	0	0
192	7/22/2021 12:08	0	0	0	0
193	7/22/2021 12:09	0	0	0	0

194	7/22/2021 12:10	0	0	0	0
195	7/22/2021 12:11	0	0	0	0
196	7/22/2021 12:12	0	0	0	0
197	7/22/2021 12:13	0	0	0	0
198	7/22/2021 12:14	0	0	0	0
199	7/22/2021 12:15	0	0	0	0
200	7/22/2021 12:16	0	0	0	0
201	7/22/2021 12:17	0	0	0	0
202	7/22/2021 12:18	0	0	0	0
203	7/22/2021 12:19	0	0	0	0
204	7/22/2021 12:20	0	0	0	0
205	7/22/2021 12:21	0	0	0	0
206	7/22/2021 12:22	0	0	0	0
207	7/22/2021 12:23	0	0	0	0
208	7/22/2021 12:24	0	0	0	0
209	7/22/2021 12:25	0	0	0	0
210	7/22/2021 12:26	0	0	0	0
211	7/22/2021 12:27	0	0	0	0
212	7/22/2021 12:28	0	0	0	0
213	7/22/2021 12:29	0	0	0	0
214	7/22/2021 12:30	0	0	0	0
215	7/22/2021 12:31	0	0	0	0
216	7/22/2021 12:32	0	0	0	0
217	7/22/2021 12:33	0	0	0	0
218	7/22/2021 12:34	0	0	0	0
219	7/22/2021 12:35	0	0	0	0
220	7/22/2021 12:36	0	0	0	0
221	7/22/2021 12:37	0	0	0	0
222	7/22/2021 12:38	0	0	0	0
223	7/22/2021 12:39	0	0	0	0
224	7/22/2021 12:40	0	0	0	0
225	7/22/2021 12:41	0	0	0.1	0
226	7/22/2021 12:42	0	0	0	0
227	7/22/2021 12:43	0	0	0	0
228	7/22/2021 12:44	0	0	0	0
229	7/22/2021 12:45	0	0	0	0
230	7/22/2021 12:46	0	0	0	0
231	7/22/2021 12:47	0	0	0	0
232	7/22/2021 12:48	0	0	0	0
233	7/22/2021 12:49	0	0	0	0
234	7/22/2021 12:50	0	0	0	0
235	7/22/2021 12:51	0	0	0	0
236	7/22/2021 12:52	0	0	0	0
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243	7/22/2021 12:59	0	0	0	0
244	7/22/2021 13:00	0	0	0	0
245	7/22/2021 13:01	0	0	0	0
246	7/22/2021 13:02	0	0	0	0
247	7/22/2021 13:03	0	0	0	0
248	7/22/2021 13:04	0	0	0	0
249	7/22/2021 13:05	0	0	0	0
250	7/22/2021 13:06	0	0	0.2	0.1
251	7/22/2021 13:07	0	0	0.1	0
252	7/22/2021 13:08	0	0	0	0
253	7/22/2021 13:09	0	0	0	0
254	7/22/2021 13:10	0	0	0	0
255	7/22/2021 13:11	0	0	0	0
256	7/22/2021 13:12	0	0	0	0
257	7/22/2021 13:13	0	0	0	0
258	7/22/2021 13:14	0	0	0	0
259	7/22/2021 13:15	0	0	0	0
260	7/22/2021 13:16	0	0	0.1	0
261	7/22/2021 13:17	0	0	0	0
262	7/22/2021 13:18	0	0	0	0
263	7/22/2021 13:19	0	0	0	0
264	7/22/2021 13:20	0	0	0	0
265	7/22/2021 13:21	0	0	0	0
266	7/22/2021 13:22	0	0	0	0
267	7/22/2021 13:23	0	0	0	0
268	7/22/2021 13:24	0	0	0	0
269	7/22/2021 13:25	0	0	0	0
270	7/22/2021 13:26	0	0	0	0
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272	7/22/2021 13:28	0	0	0	0
273	7/22/2021 13:29	0	0	0	0
274	7/22/2021 13:30	0	0	0	0
275	7/22/2021 13:31	0	0	0	0
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284	7/22/2021 13:40	0	0	0.1	0
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292	7/22/2021 13:48	0	0	0	0
293	7/22/2021 13:49	0	0	0	0
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295	7/22/2021 13:51	0	0	0	0
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298	7/22/2021 13:54	0	0	0	0
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301	7/22/2021 13:57	0	0	0	0
302	7/22/2021 13:58	0	0	0	0
303	7/22/2021 13:59	0	0	0	0
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308	7/22/2021 14:04	0	0	0	0
309	7/22/2021 14:05	0	0	0	0
310	7/22/2021 14:06	0	0	0	0
311	7/22/2021 14:07	0	0	0	0
312	7/22/2021 14:08	0	0	0	0
313	7/22/2021 14:09	0	0	0	0
314	7/22/2021 14:10	0	0	0	0
315	7/22/2021 14:11	0	0	0	0
316	7/22/2021 14:12	0	0	0	0
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321	7/22/2021 14:17	0	0	0	0
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323	7/22/2021 14:19	0	0	0	0
324	7/22/2021 14:20	0	0	0	0
325	7/22/2021 14:21	0	0	0	0
326	7/22/2021 14:22	0	0	0	0
327	7/22/2021 14:23	0	0	0	0
328	7/22/2021 14:24	0	0	0	0
329	7/22/2021 14:25	0	0	0	0
330	7/22/2021 14:26	0	0	0	0
331	7/22/2021 14:27	0	0	0	0
332	7/22/2021 14:28	0	0	0.2	0
333	7/22/2021 14:29	0	0	0	0
334	7/22/2021 14:30	0	0	0	0

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336	7/22/2021 14:32	0	0	0	0
337	7/22/2021 14:33	0	0	0	0
338	7/22/2021 14:34	0	0	0	0
339	7/22/2021 14:35	0	0	0	0
340	7/22/2021 14:36	0	0	0	0
341	7/22/2021 14:37	0	0	0	0
342	7/22/2021 14:38	0	0	0	0
343	7/22/2021 14:39	0	0	0	0
344	7/22/2021 14:40	0	0	0	0
345	7/22/2021 14:41	0	0	0	0
346	7/22/2021 14:42	0	0	0	0
347	7/22/2021 14:43	0	0	0	0
348	7/22/2021 14:44	0	0	0	0
349	7/22/2021 14:45	0	0	0	0
350	7/22/2021 14:46	0	0	0	0
351	7/22/2021 14:47	0	0	0	0
352	7/22/2021 14:48	0	0	0	0
353	7/22/2021 14:49	0	0	0	0
354	7/22/2021 14:50	0	0	0	0
355	7/22/2021 14:51	0	0	0.1	0
356	7/22/2021 14:52	0	0	0	0
357	7/22/2021 14:53	0	0	0	0
358	7/22/2021 14:54	0	0	0	0
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362	7/22/2021 14:58	0	0	0	0
363	7/22/2021 14:59	0	0	0	0
364	7/22/2021 15:00	0	0	0	0
365	7/22/2021 15:01	0	0	0	0
366	7/22/2021 15:02	0	0	0	0
367	7/22/2021 15:03	0	0	0	0
368	7/22/2021 15:04	0	0	0	0
369	7/22/2021 15:05	0	0	0	0
370	7/22/2021 15:06	0	0	0	0
371	7/22/2021 15:07	0	0	0	0
372	7/22/2021 15:08	0	0	0	0
373	7/22/2021 15:09	0	0	0	0
374	7/22/2021 15:10	0	0	0	0
375	7/22/2021 15:11	0	0	0	0
376	7/22/2021 15:12	0	0	0	0
377	7/22/2021 15:13	0	0	0	0
378	7/22/2021 15:14	0	0	0	0
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386	7/22/2021 15:22	0	0	0	0
387	7/22/2021 15:23	0	0	0	0
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389	7/22/2021 15:25	0	0	0	0
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391	7/22/2021 15:27	0	0	0	0
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393	7/22/2021 15:29	0	0	0	0
394	7/22/2021 15:30	0	0	0	0
395	7/22/2021 15:31	0	0	0	0
396	7/22/2021 15:32	0	0	0	0
397	7/22/2021 15:33	0	0	0	0
398	7/22/2021 15:34	0	0	0	0
399	7/22/2021 15:35	0	0	0	0
400	7/22/2021 15:36	0	0	0	0
401	7/22/2021 15:37	0	0	0	0
402	7/22/2021 15:38	0	0	0	0
403	7/22/2021 15:39	0	0	0	0
404	7/22/2021 15:40	0	0	0	0
405	7/22/2021 15:41	0	0	0	0
406	7/22/2021 15:42	0	0	0	0
407	7/22/2021 15:43	0	0	0	0
408	7/22/2021 15:44	0	0	0	0
409	7/22/2021 15:45	0	0	0	0
410	7/22/2021 15:46	0	0	0	0
411	7/22/2021 15:47	0	0	0	0
412	7/22/2021 15:48	0	0	0	0
413	7/22/2021 15:49	0	0	0	0
414	7/22/2021 15:50	0	0	0	0
415	7/22/2021 15:51	0	0	0	0
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417	7/22/2021 15:53	0	0	0	0
418	7/22/2021 15:54	0	0	0	0
419	7/22/2021 15:55	0	0	0	0
420	7/22/2021 15:56	0	0	0	0
421	7/22/2021 15:57	0	0	0	0
422	7/22/2021 15:58	0	0	0	0
423	7/22/2021 15:59	0	0	0	0
424	7/22/2021 16:00	0	0	0	0
425	7/22/2021 16:01	0	0	0	0
426	7/22/2021 16:02	0	0	0	0
427	7/22/2021 16:03	0	0	0	0
428	7/22/2021 16:04	0	0	0	0

	429	7/22/2021 16:05	0	0	0	0
	430	7/22/2021 16:06	0	0	0	0
	431	7/22/2021 16:07	0	0	0	0
	432	7/22/2021 16:08	0	0	0	0
	433	7/22/2021 16:09	0	0	0	0
	434	7/22/2021 16:10	0	0	0	0
	435	7/22/2021 16:11	0	0	0	0
	436	7/22/2021 16:12	0	0	0	0
	437	7/22/2021 16:13	0	0	0	0
	438	7/22/2021 16:14	0	0	0	0
	439	7/22/2021 16:15	0	0	0	0
	440	7/22/2021 16:16	0	0	0	0
	441	7/22/2021 16:17	0	0	0	0
Peak			0.1	0.2	1.1	0.1
Min			0	0	0	0
Average			0	0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
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2	7/22/2021 8:58	0	---
3	7/22/2021 8:59	0	---
4	7/22/2021 9:00	0	---
5	7/22/2021 9:01	0	---
6	7/22/2021 9:02	0	---
7	7/22/2021 9:03	0	---
8	7/22/2021 9:04	0	---
9	7/22/2021 9:05	0	---
10	7/22/2021 9:06	0	---
11	7/22/2021 9:07	0	---
12	7/22/2021 9:08	0	---
13	7/22/2021 9:09	0	---
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15	7/22/2021 9:11	0	0
16	7/22/2021 9:12	0	0
17	7/22/2021 9:13	0	0
18	7/22/2021 9:14	0	0
19	7/22/2021 9:15	0	0
20	7/22/2021 9:16	0	0
21	7/22/2021 9:17	0	0
22	7/22/2021 9:18	0	0
23	7/22/2021 9:19	0	0
24	7/22/2021 9:20	0	0
25	7/22/2021 9:21	0	0
26	7/22/2021 9:22	0	0

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28	7/22/2021 9:24	0	0
29	7/22/2021 9:25	0	0
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32	7/22/2021 9:28	0	0
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38	7/22/2021 9:34	0	0
39	7/22/2021 9:35	0	0
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63	7/22/2021 9:59	0	0
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66	7/22/2021 10:02	0	0
67	7/22/2021 10:03	0	0
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70	7/22/2021 10:06	0	0
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73	7/22/2021 10:09	0	0

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435	7/22/2021 16:11	0	0
436	7/22/2021 16:12	0	0
437	7/22/2021 16:13	0	0
438	7/22/2021 16:14	0	0
439	7/22/2021 16:15	0	0
440	7/22/2021 16:16	0	0
441	7/22/2021 16:17	0	0

Upwind Logs

TrakPro Version 4.41 ASCII Data File

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,   23441"
"Test ID:,001"
"Test Abbreviation:,"
"Start Date:,04/02/2013"
"Start Time:,08:16:37"
"Duration (dd:hh:mm:ss):,0:05:45:00"
"Time constant (seconds):,10"
"Log Interval (mm:ss):,15:00"
"Number of points:,23"
"Notes:,"

"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.000"
",Minimum:,0.000"
",Time of Minimum:,09:01:37"
",Date of Minimum:,04/02/2013"
",Maximum:,0.001"
",Time of Maximum:,08:31:37"
",Date of Maximum:,04/02/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,12/27/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/02/2013,08:31:37,0.001"
"04/02/2013,08:46:37,0.001"
"04/02/2013,09:01:37,0.000"
"04/02/2013,09:16:37,0.000"
"04/02/2013,09:31:37,0.000"
"04/02/2013,09:46:37,0.000"
"04/02/2013,10:01:37,0.000"
"04/02/2013,10:16:37,0.000"
"04/02/2013,10:31:37,0.000"
"04/02/2013,10:46:37,0.000"
"04/02/2013,11:01:37,0.000"
"04/02/2013,11:16:37,0.000"
"04/02/2013,11:31:37,0.000"
"04/02/2013,11:46:37,0.000"
"04/02/2013,12:01:37,0.000"
"04/02/2013,12:16:37,0.000"
"04/02/2013,12:31:37,0.000"
"04/02/2013,12:46:37,0.000"
"04/02/2013,13:01:37,0.000"
"04/02/2013,13:16:37,0.000"
"04/02/2013,13:31:37,0.000"
"04/02/2013,13:46:37,0.000"
"04/02/2013,14:01:37,0.000"

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,   23441"
"Test ID:,002"
"Test Abbreviation:,"
"Start Date:,04/03/2013"
"Start Time:,07:32:50"
"Duration (dd:hh:mm:ss):,0:07:45:00"
"Time constant (seconds):,10"

"Log Interval (mm:ss):,15:00"
"Number of points:,31"
"Notes:,"

"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.004"
",Minimum:,0.001"
",Time of Minimum:,08:17:50"
",Date of Minimum:,04/03/2013"
",Maximum:,0.011"
",Time of Maximum:,11:32:50"
",Date of Maximum:,04/03/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,12/27/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/03/2013,07:47:50,0.003"
"04/03/2013,08:02:50,0.002"
"04/03/2013,08:17:50,0.001"
"04/03/2013,08:32:50,0.002"
"04/03/2013,08:47:50,0.003"
"04/03/2013,09:02:50,0.006"
"04/03/2013,09:17:50,0.008"
"04/03/2013,09:32:50,0.008"
"04/03/2013,09:47:50,0.005"
"04/03/2013,10:02:50,0.005"
"04/03/2013,10:17:50,0.007"
"04/03/2013,10:32:50,0.010"
"04/03/2013,10:47:50,0.009"
"04/03/2013,11:02:50,0.008"
"04/03/2013,11:17:50,0.009"
"04/03/2013,11:32:50,0.011"
"04/03/2013,11:47:50,0.008"
"04/03/2013,12:02:50,0.001"
"04/03/2013,12:17:50,0.001"
"04/03/2013,12:32:50,0.001"
"04/03/2013,12:47:50,0.001"
"04/03/2013,13:02:50,0.001"
"04/03/2013,13:17:50,0.002"
"04/03/2013,13:32:50,0.001"
"04/03/2013,13:47:50,0.002"
"04/03/2013,14:02:50,0.002"
"04/03/2013,14:17:50,0.002"
"04/03/2013,14:32:50,0.002"
"04/03/2013,14:47:50,0.002"
"04/03/2013,15:02:50,0.001"
"04/03/2013,15:17:50,0.002"

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,   23441"
"Test ID:,003"
"Test Abbreviation:,"
"Start Date:,04/04/2013"
"Start Time:,07:01:13"
"Duration (dd:hh:mm:ss):,0:08:15:00"
"Time constant (seconds):,10"
"Log Interval (mm:ss):,15:00"
"Number of points:,33"
"Notes:,"

"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.010"
",Minimum:,0.002"
",Time of Minimum:,15:16:13"
",Date of Minimum:,04/04/2013"
",Maximum:,0.029"
",Time of Maximum:,08:46:13"
",Date of Maximum:,04/04/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,12/27/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/04/2013,07:16:13,0.011"
"04/04/2013,07:31:13,0.014"
"04/04/2013,07:46:13,0.011"
"04/04/2013,08:01:13,0.014"
"04/04/2013,08:16:13,0.013"
"04/04/2013,08:31:13,0.011"
"04/04/2013,08:46:13,0.029"
"04/04/2013,09:01:13,0.011"
"04/04/2013,09:16:13,0.011"
"04/04/2013,09:31:13,0.013"
"04/04/2013,09:46:13,0.013"
"04/04/2013,10:01:13,0.012"
"04/04/2013,10:16:13,0.018"
"04/04/2013,10:31:13,0.013"
"04/04/2013,10:46:13,0.009"
"04/04/2013,11:01:13,0.009"
"04/04/2013,11:16:13,0.010"
"04/04/2013,11:31:13,0.008"
"04/04/2013,11:46:13,0.009"
"04/04/2013,12:01:13,0.011"
"04/04/2013,12:16:13,0.010"
"04/04/2013,12:31:13,0.009"
"04/04/2013,12:46:13,0.007"
"04/04/2013,13:01:13,0.008"
"04/04/2013,13:16:13,0.006"
"04/04/2013,13:31:13,0.006"
"04/04/2013,13:46:13,0.007"
"04/04/2013,14:01:13,0.004"
"04/04/2013,14:16:13,0.004"
"04/04/2013,14:31:13,0.004"
"04/04/2013,14:46:13,0.003"
"04/04/2013,15:01:13,0.003"
"04/04/2013,15:16:13,0.002"

"Model:,Dust Trak"
"Model Number:,8520"
"Serial Number:,   23441"
"Test ID:,004"
"Test Abbreviation:,"
"Start Date:,04/05/2013"
"Start Time:,06:44:23"
"Duration (dd:hh:mm:ss):,0:06:45:00"
"Time constant (seconds):,10"
"Log Interval (mm:ss):,15:00"
"Number of points:,27"
"Notes:,"

```
"Statistics,Channel:,Aerosol"
",Units:,mg/m^3"
",Average:,0.019"
",Minimum:,0.009"
",Time of Minimum:,13:29:23"
",Date of Minimum:,04/05/2013"
",Maximum:,0.036"
",Time of Maximum:,07:14:23"
",Date of Maximum:,04/05/2013"

"Calibration,Sensor:,Aerosol"
",Cal. date,12/27/2012"

"Date,Time,Aerosol"
"MM/dd/yyyy,hh:mm:ss,mg/m^3"
"04/05/2013,06:59:23,0.034"
"04/05/2013,07:14:23,0.036"
"04/05/2013,07:29:23,0.036"
"04/05/2013,07:44:23,0.036"
"04/05/2013,07:59:23,0.034"
"04/05/2013,08:14:23,0.017"
"04/05/2013,08:29:23,0.014"
"04/05/2013,08:44:23,0.016"
"04/05/2013,08:59:23,0.016"
"04/05/2013,09:14:23,0.019"
"04/05/2013,09:29:23,0.019"
"04/05/2013,09:44:23,0.016"
"04/05/2013,09:59:23,0.014"
"04/05/2013,10:14:23,0.016"
"04/05/2013,10:29:23,0.018"
"04/05/2013,10:44:23,0.017"
"04/05/2013,10:59:23,0.016"
"04/05/2013,11:14:23,0.017"
"04/05/2013,11:29:23,0.017"
"04/05/2013,11:44:23,0.016"
"04/05/2013,11:59:23,0.014"
"04/05/2013,12:14:23,0.013"
"04/05/2013,12:29:23,0.013"
"04/05/2013,12:44:23,0.011"
"04/05/2013,12:59:23,0.010"
"04/05/2013,13:14:23,0.010"
"04/05/2013,13:29:23,0.009"
```

TrakPro Version 4.51 ASCII Data File

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121501
Test ID: 001
Test Abbreviation: TEST 1_001
Start Date: 04/15/2013
Start Time: 10:05:47
Duration (dd:hh:mm:ss): 0:06:14:00
Log Interval (mm:ss): 01:00
Number of points: 374
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.009
 Minimum: 0.006
 Time of Minimum: 14:12:47
 Date of Minimum: 04/15/2013
 Maximum: 0.031
 Time of Maximum: 12:28:47
 Date of Maximum: 04/15/2013

Calibration Sensor: AEROSOL
 Cal. date 04/03/2013

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
04/15/2013	10:06:47	0.013
04/15/2013	10:07:47	0.011
04/15/2013	10:08:47	0.011
04/15/2013	10:09:47	0.012
04/15/2013	10:10:47	0.011
04/15/2013	10:11:47	0.011
04/15/2013	10:12:47	0.011
04/15/2013	10:13:47	0.011
04/15/2013	10:14:47	0.011
04/15/2013	10:15:47	0.011
04/15/2013	10:16:47	0.011
04/15/2013	10:17:47	0.011
04/15/2013	10:18:47	0.010
04/15/2013	10:19:47	0.010
04/15/2013	10:20:47	0.011
04/15/2013	10:21:47	0.011
04/15/2013	10:22:47	0.011
04/15/2013	10:23:47	0.011
04/15/2013	10:24:47	0.011
04/15/2013	10:25:47	0.011
04/15/2013	10:26:47	0.011
04/15/2013	10:27:47	0.011
04/15/2013	10:28:47	0.011
04/15/2013	10:29:47	0.011
04/15/2013	10:30:47	0.013
04/15/2013	10:31:47	0.012
04/15/2013	10:32:47	0.011
04/15/2013	10:33:47	0.011
04/15/2013	10:34:47	0.011
04/15/2013	10:35:47	0.011
04/15/2013	10:36:47	0.011
04/15/2013	10:37:47	0.011
04/15/2013	10:38:47	0.011
04/15/2013	10:39:47	0.011

04/15/2013 10:40:47 0.011
04/15/2013 10:41:47 0.011
04/15/2013 10:42:47 0.011
04/15/2013 10:43:47 0.010
04/15/2013 10:44:47 0.011
04/15/2013 10:45:47 0.010
04/15/2013 10:46:47 0.025
04/15/2013 10:47:47 0.010
04/15/2013 10:48:47 0.010
04/15/2013 10:49:47 0.010
04/15/2013 10:50:47 0.010
04/15/2013 10:51:47 0.010
04/15/2013 10:52:47 0.010
04/15/2013 10:53:47 0.010
04/15/2013 10:54:47 0.010
04/15/2013 10:55:47 0.009
04/15/2013 10:56:47 0.010
04/15/2013 10:57:47 0.010
04/15/2013 10:58:47 0.010
04/15/2013 10:59:47 0.010
04/15/2013 11:00:47 0.010
04/15/2013 11:01:47 0.010
04/15/2013 11:02:47 0.010
04/15/2013 11:03:47 0.010
04/15/2013 11:04:47 0.011
04/15/2013 11:05:47 0.010
04/15/2013 11:06:47 0.010
04/15/2013 11:07:47 0.010
04/15/2013 11:08:47 0.010
04/15/2013 11:09:47 0.010
04/15/2013 11:10:47 0.010
04/15/2013 11:11:47 0.010
04/15/2013 11:12:47 0.010
04/15/2013 11:13:47 0.010
04/15/2013 11:14:47 0.010
04/15/2013 11:15:47 0.010
04/15/2013 11:16:47 0.010
04/15/2013 11:17:47 0.010
04/15/2013 11:18:47 0.010
04/15/2013 11:19:47 0.010
04/15/2013 11:20:47 0.010
04/15/2013 11:21:47 0.011
04/15/2013 11:22:47 0.010
04/15/2013 11:23:47 0.010
04/15/2013 11:24:47 0.010
04/15/2013 11:25:47 0.010
04/15/2013 11:26:47 0.010
04/15/2013 11:27:47 0.010
04/15/2013 11:28:47 0.010
04/15/2013 11:29:47 0.010
04/15/2013 11:30:47 0.010
04/15/2013 11:31:47 0.010
04/15/2013 11:32:47 0.010
04/15/2013 11:33:47 0.010
04/15/2013 11:34:47 0.010
04/15/2013 11:35:47 0.010
04/15/2013 11:36:47 0.010
04/15/2013 11:37:47 0.010
04/15/2013 11:38:47 0.010
04/15/2013 11:39:47 0.010
04/15/2013 11:40:47 0.010
04/15/2013 11:41:47 0.010
04/15/2013 11:42:47 0.010

04/15/2013 11:43:47 0.010
04/15/2013 11:44:47 0.010
04/15/2013 11:45:47 0.009
04/15/2013 11:46:47 0.009
04/15/2013 11:47:47 0.009
04/15/2013 11:48:47 0.010
04/15/2013 11:49:47 0.009
04/15/2013 11:50:47 0.009
04/15/2013 11:51:47 0.010
04/15/2013 11:52:47 0.009
04/15/2013 11:53:47 0.009
04/15/2013 11:54:47 0.009
04/15/2013 11:55:47 0.009
04/15/2013 11:56:47 0.010
04/15/2013 11:57:47 0.009
04/15/2013 11:58:47 0.009
04/15/2013 11:59:47 0.008
04/15/2013 12:00:47 0.009
04/15/2013 12:01:47 0.009
04/15/2013 12:02:47 0.008
04/15/2013 12:03:47 0.009
04/15/2013 12:04:47 0.008
04/15/2013 12:05:47 0.009
04/15/2013 12:06:47 0.008
04/15/2013 12:07:47 0.008
04/15/2013 12:08:47 0.008
04/15/2013 12:09:47 0.008
04/15/2013 12:10:47 0.008
04/15/2013 12:11:47 0.008
04/15/2013 12:12:47 0.008
04/15/2013 12:13:47 0.008
04/15/2013 12:14:47 0.008
04/15/2013 12:15:47 0.008
04/15/2013 12:16:47 0.011
04/15/2013 12:17:47 0.008
04/15/2013 12:18:47 0.009
04/15/2013 12:19:47 0.012
04/15/2013 12:20:47 0.012
04/15/2013 12:21:47 0.009
04/15/2013 12:22:47 0.009
04/15/2013 12:23:47 0.008
04/15/2013 12:24:47 0.011
04/15/2013 12:25:47 0.022
04/15/2013 12:26:47 0.008
04/15/2013 12:27:47 0.008
04/15/2013 12:28:47 0.031
04/15/2013 12:29:47 0.010
04/15/2013 12:30:47 0.009
04/15/2013 12:31:47 0.008
04/15/2013 12:32:47 0.008
04/15/2013 12:33:47 0.008
04/15/2013 12:34:47 0.008
04/15/2013 12:35:47 0.008
04/15/2013 12:36:47 0.009
04/15/2013 12:37:47 0.013
04/15/2013 12:38:47 0.008
04/15/2013 12:39:47 0.008
04/15/2013 12:40:47 0.008
04/15/2013 12:41:47 0.011
04/15/2013 12:42:47 0.018
04/15/2013 12:43:47 0.009
04/15/2013 12:44:47 0.008
04/15/2013 12:45:47 0.007

04/15/2013 12:46:47 0.009
04/15/2013 12:47:47 0.013
04/15/2013 12:48:47 0.010
04/15/2013 12:49:47 0.012
04/15/2013 12:50:47 0.009
04/15/2013 12:51:47 0.008
04/15/2013 12:52:47 0.008
04/15/2013 12:53:47 0.008
04/15/2013 12:54:47 0.013
04/15/2013 12:55:47 0.008
04/15/2013 12:56:47 0.020
04/15/2013 12:57:47 0.011
04/15/2013 12:58:47 0.009
04/15/2013 12:59:47 0.008
04/15/2013 13:00:47 0.008
04/15/2013 13:01:47 0.009
04/15/2013 13:02:47 0.010
04/15/2013 13:03:47 0.009
04/15/2013 13:04:47 0.008
04/15/2013 13:05:47 0.008
04/15/2013 13:06:47 0.008
04/15/2013 13:07:47 0.013
04/15/2013 13:08:47 0.008
04/15/2013 13:09:47 0.009
04/15/2013 13:10:47 0.013
04/15/2013 13:11:47 0.009
04/15/2013 13:12:47 0.007
04/15/2013 13:13:47 0.007
04/15/2013 13:14:47 0.007
04/15/2013 13:15:47 0.008
04/15/2013 13:16:47 0.009
04/15/2013 13:17:47 0.008
04/15/2013 13:18:47 0.008
04/15/2013 13:19:47 0.017
04/15/2013 13:20:47 0.012
04/15/2013 13:21:47 0.008
04/15/2013 13:22:47 0.009
04/15/2013 13:23:47 0.007
04/15/2013 13:24:47 0.008
04/15/2013 13:25:47 0.007
04/15/2013 13:26:47 0.009
04/15/2013 13:27:47 0.009
04/15/2013 13:28:47 0.008
04/15/2013 13:29:47 0.018
04/15/2013 13:30:47 0.007
04/15/2013 13:31:47 0.009
04/15/2013 13:32:47 0.009
04/15/2013 13:33:47 0.008
04/15/2013 13:34:47 0.007
04/15/2013 13:35:47 0.008
04/15/2013 13:36:47 0.009
04/15/2013 13:37:47 0.007
04/15/2013 13:38:47 0.008
04/15/2013 13:39:47 0.008
04/15/2013 13:40:47 0.007
04/15/2013 13:41:47 0.008
04/15/2013 13:42:47 0.011
04/15/2013 13:43:47 0.008
04/15/2013 13:44:47 0.008
04/15/2013 13:45:47 0.007
04/15/2013 13:46:47 0.011
04/15/2013 13:47:47 0.011
04/15/2013 13:48:47 0.010

04/15/2013 13:49:47 0.009
04/15/2013 13:50:47 0.008
04/15/2013 13:51:47 0.007
04/15/2013 13:52:47 0.014
04/15/2013 13:53:47 0.009
04/15/2013 13:54:47 0.010
04/15/2013 13:55:47 0.009
04/15/2013 13:56:47 0.009
04/15/2013 13:57:47 0.008
04/15/2013 13:58:47 0.009
04/15/2013 13:59:47 0.013
04/15/2013 14:00:47 0.009
04/15/2013 14:01:47 0.009
04/15/2013 14:02:47 0.012
04/15/2013 14:03:47 0.010
04/15/2013 14:04:47 0.008
04/15/2013 14:05:47 0.008
04/15/2013 14:06:47 0.009
04/15/2013 14:07:47 0.008
04/15/2013 14:08:47 0.011
04/15/2013 14:09:47 0.018
04/15/2013 14:10:47 0.009
04/15/2013 14:11:47 0.008
04/15/2013 14:12:47 0.006
04/15/2013 14:13:47 0.007
04/15/2013 14:14:47 0.008
04/15/2013 14:15:47 0.010
04/15/2013 14:16:47 0.007
04/15/2013 14:17:47 0.007
04/15/2013 14:18:47 0.007
04/15/2013 14:19:47 0.010
04/15/2013 14:20:47 0.010
04/15/2013 14:21:47 0.008
04/15/2013 14:22:47 0.008
04/15/2013 14:23:47 0.010
04/15/2013 14:24:47 0.011
04/15/2013 14:25:47 0.008
04/15/2013 14:26:47 0.010
04/15/2013 14:27:47 0.007
04/15/2013 14:28:47 0.007
04/15/2013 14:29:47 0.007
04/15/2013 14:30:47 0.008
04/15/2013 14:31:47 0.007
04/15/2013 14:32:47 0.007
04/15/2013 14:33:47 0.007
04/15/2013 14:34:47 0.008
04/15/2013 14:35:47 0.009
04/15/2013 14:36:47 0.007
04/15/2013 14:37:47 0.007
04/15/2013 14:38:47 0.006
04/15/2013 14:39:47 0.006
04/15/2013 14:40:47 0.006
04/15/2013 14:41:47 0.006
04/15/2013 14:42:47 0.006
04/15/2013 14:43:47 0.007
04/15/2013 14:44:47 0.008
04/15/2013 14:45:47 0.007
04/15/2013 14:46:47 0.008
04/15/2013 14:47:47 0.007
04/15/2013 14:48:47 0.007
04/15/2013 14:49:47 0.007
04/15/2013 14:50:47 0.010
04/15/2013 14:51:47 0.006

04/15/2013 14:52:47 0.007
04/15/2013 14:53:47 0.007
04/15/2013 14:54:47 0.006
04/15/2013 14:55:47 0.010
04/15/2013 14:56:47 0.008
04/15/2013 14:57:47 0.008
04/15/2013 14:58:47 0.006
04/15/2013 14:59:47 0.008
04/15/2013 15:00:47 0.007
04/15/2013 15:01:47 0.008
04/15/2013 15:02:47 0.008
04/15/2013 15:03:47 0.006
04/15/2013 15:04:47 0.007
04/15/2013 15:05:47 0.006
04/15/2013 15:06:47 0.007
04/15/2013 15:07:47 0.006
04/15/2013 15:08:47 0.010
04/15/2013 15:09:47 0.017
04/15/2013 15:10:47 0.007
04/15/2013 15:11:47 0.006
04/15/2013 15:12:47 0.007
04/15/2013 15:13:47 0.007
04/15/2013 15:14:47 0.006
04/15/2013 15:15:47 0.006
04/15/2013 15:16:47 0.007
04/15/2013 15:17:47 0.006
04/15/2013 15:18:47 0.006
04/15/2013 15:19:47 0.008
04/15/2013 15:20:47 0.009
04/15/2013 15:21:47 0.007
04/15/2013 15:22:47 0.007
04/15/2013 15:23:47 0.006
04/15/2013 15:24:47 0.007
04/15/2013 15:25:47 0.006
04/15/2013 15:26:47 0.007
04/15/2013 15:27:47 0.006
04/15/2013 15:28:47 0.006
04/15/2013 15:29:47 0.006
04/15/2013 15:30:47 0.007
04/15/2013 15:31:47 0.007
04/15/2013 15:32:47 0.007
04/15/2013 15:33:47 0.007
04/15/2013 15:34:47 0.007
04/15/2013 15:35:47 0.007
04/15/2013 15:36:47 0.007
04/15/2013 15:37:47 0.008
04/15/2013 15:38:47 0.006
04/15/2013 15:39:47 0.006
04/15/2013 15:40:47 0.006
04/15/2013 15:41:47 0.007
04/15/2013 15:42:47 0.012
04/15/2013 15:43:47 0.008
04/15/2013 15:44:47 0.009
04/15/2013 15:45:47 0.014
04/15/2013 15:46:47 0.008
04/15/2013 15:47:47 0.009
04/15/2013 15:48:47 0.009
04/15/2013 15:49:47 0.008
04/15/2013 15:50:47 0.007
04/15/2013 15:51:47 0.007
04/15/2013 15:52:47 0.009
04/15/2013 15:53:47 0.010
04/15/2013 15:54:47 0.007

04/15/2013 15:55:47 0.009
04/15/2013 15:56:47 0.008
04/15/2013 15:57:47 0.007
04/15/2013 15:58:47 0.008
04/15/2013 15:59:47 0.007
04/15/2013 16:00:47 0.009
04/15/2013 16:01:47 0.008
04/15/2013 16:02:47 0.008
04/15/2013 16:03:47 0.008
04/15/2013 16:04:47 0.008
04/15/2013 16:05:47 0.008
04/15/2013 16:06:47 0.008
04/15/2013 16:07:47 0.007
04/15/2013 16:08:47 0.009
04/15/2013 16:09:47 0.009
04/15/2013 16:10:47 0.007
04/15/2013 16:11:47 0.007
04/15/2013 16:12:47 0.008
04/15/2013 16:13:47 0.007
04/15/2013 16:14:47 0.008
04/15/2013 16:15:47 0.009
04/15/2013 16:16:47 0.008
04/15/2013 16:17:47 0.008
04/15/2013 16:18:47 0.008
04/15/2013 16:19:47 0.007

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121501
Test ID: 002
Test Abbreviation: TEST 1_002
Start Date: 04/16/2013
Start Time: 08:09:51
Duration (dd:hh:mm:ss): 0:00:34:00
Log Interval (mm:ss): 01:00
Number of points: 34
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.024
 Minimum: 0.022
 Time of Minimum: 08:13:51
 Date of Minimum: 04/16/2013
 Maximum: 0.034
 Time of Maximum: 08:23:51
 Date of Maximum: 04/16/2013

Calibration Sensor: AEROSOL
 Cal. date 04/03/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/16/2013 08:10:51 0.026
04/16/2013 08:11:51 0.025
04/16/2013 08:12:51 0.026
04/16/2013 08:13:51 0.022
04/16/2013 08:14:51 0.022
04/16/2013 08:15:51 0.023
04/16/2013 08:16:51 0.023
04/16/2013 08:17:51 0.023
04/16/2013 08:18:51 0.024
04/16/2013 08:19:51 0.024

04/16/2013 08:20:51 0.023
04/16/2013 08:21:51 0.023
04/16/2013 08:22:51 0.023
04/16/2013 08:23:51 0.034
04/16/2013 08:24:51 0.028
04/16/2013 08:25:51 0.025
04/16/2013 08:26:51 0.024
04/16/2013 08:27:51 0.024
04/16/2013 08:28:51 0.025
04/16/2013 08:29:51 0.023
04/16/2013 08:30:51 0.023
04/16/2013 08:31:51 0.024
04/16/2013 08:32:51 0.024
04/16/2013 08:33:51 0.024
04/16/2013 08:34:51 0.022
04/16/2013 08:35:51 0.022
04/16/2013 08:36:51 0.023
04/16/2013 08:37:51 0.024
04/16/2013 08:38:51 0.024
04/16/2013 08:39:51 0.023
04/16/2013 08:40:51 0.022
04/16/2013 08:41:51 0.024
04/16/2013 08:42:51 0.025
04/16/2013 08:43:51 0.023

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121501
Test ID: 003
Test Abbreviation: TEST 1_003
Start Date: 04/16/2013
Start Time: 08:47:02
Duration (dd:hh:mm:ss): 0:04:56:00
Log Interval (mm:ss): 01:00
Number of points: 296
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.025
 Minimum: 0.021
 Time of Minimum: 11:30:02
 Date of Minimum: 04/16/2013
 Maximum: 0.034
 Time of Maximum: 09:26:02
 Date of Maximum: 04/16/2013

Calibration Sensor: AEROSOL
 Cal. date 04/03/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/16/2013 08:48:02 0.023
04/16/2013 08:49:02 0.023
04/16/2013 08:50:02 0.023
04/16/2013 08:51:02 0.024
04/16/2013 08:52:02 0.024
04/16/2013 08:53:02 0.023
04/16/2013 08:54:02 0.022
04/16/2013 08:55:02 0.023
04/16/2013 08:56:02 0.024
04/16/2013 08:57:02 0.022
04/16/2013 08:58:02 0.023

04/16/2013 08:59:02 0.026
04/16/2013 09:00:02 0.022
04/16/2013 09:01:02 0.024
04/16/2013 09:02:02 0.022
04/16/2013 09:03:02 0.023
04/16/2013 09:04:02 0.027
04/16/2013 09:05:02 0.027
04/16/2013 09:06:02 0.027
04/16/2013 09:07:02 0.024
04/16/2013 09:08:02 0.023
04/16/2013 09:09:02 0.022
04/16/2013 09:10:02 0.024
04/16/2013 09:11:02 0.024
04/16/2013 09:12:02 0.024
04/16/2013 09:13:02 0.023
04/16/2013 09:14:02 0.022
04/16/2013 09:15:02 0.022
04/16/2013 09:16:02 0.025
04/16/2013 09:17:02 0.023
04/16/2013 09:18:02 0.030
04/16/2013 09:19:02 0.022
04/16/2013 09:20:02 0.023
04/16/2013 09:21:02 0.023
04/16/2013 09:22:02 0.024
04/16/2013 09:23:02 0.024
04/16/2013 09:24:02 0.023
04/16/2013 09:25:02 0.023
04/16/2013 09:26:02 0.034
04/16/2013 09:27:02 0.023
04/16/2013 09:28:02 0.023
04/16/2013 09:29:02 0.024
04/16/2013 09:30:02 0.024
04/16/2013 09:31:02 0.023
04/16/2013 09:32:02 0.024
04/16/2013 09:33:02 0.026
04/16/2013 09:34:02 0.024
04/16/2013 09:35:02 0.024
04/16/2013 09:36:02 0.024
04/16/2013 09:37:02 0.025
04/16/2013 09:38:02 0.025
04/16/2013 09:39:02 0.025
04/16/2013 09:40:02 0.025
04/16/2013 09:41:02 0.027
04/16/2013 09:42:02 0.026
04/16/2013 09:43:02 0.026
04/16/2013 09:44:02 0.029
04/16/2013 09:45:02 0.027
04/16/2013 09:46:02 0.024
04/16/2013 09:47:02 0.024
04/16/2013 09:48:02 0.026
04/16/2013 09:49:02 0.024
04/16/2013 09:50:02 0.022
04/16/2013 09:51:02 0.030
04/16/2013 09:52:02 0.027
04/16/2013 09:53:02 0.025
04/16/2013 09:54:02 0.023
04/16/2013 09:55:02 0.028
04/16/2013 09:56:02 0.024
04/16/2013 09:57:02 0.025
04/16/2013 09:58:02 0.023
04/16/2013 09:59:02 0.023
04/16/2013 10:00:02 0.024
04/16/2013 10:01:02 0.022

04/16/2013 10:02:02 0.023
04/16/2013 10:03:02 0.025
04/16/2013 10:04:02 0.023
04/16/2013 10:05:02 0.023
04/16/2013 10:06:02 0.025
04/16/2013 10:07:02 0.023
04/16/2013 10:08:02 0.024
04/16/2013 10:09:02 0.022
04/16/2013 10:10:02 0.023
04/16/2013 10:11:02 0.023
04/16/2013 10:12:02 0.022
04/16/2013 10:13:02 0.023
04/16/2013 10:14:02 0.023
04/16/2013 10:15:02 0.024
04/16/2013 10:16:02 0.024
04/16/2013 10:17:02 0.022
04/16/2013 10:18:02 0.022
04/16/2013 10:19:02 0.022
04/16/2013 10:20:02 0.024
04/16/2013 10:21:02 0.024
04/16/2013 10:22:02 0.023
04/16/2013 10:23:02 0.023
04/16/2013 10:24:02 0.025
04/16/2013 10:25:02 0.023
04/16/2013 10:26:02 0.022
04/16/2013 10:27:02 0.022
04/16/2013 10:28:02 0.023
04/16/2013 10:29:02 0.026
04/16/2013 10:30:02 0.027
04/16/2013 10:31:02 0.025
04/16/2013 10:32:02 0.026
04/16/2013 10:33:02 0.024
04/16/2013 10:34:02 0.025
04/16/2013 10:35:02 0.024
04/16/2013 10:36:02 0.025
04/16/2013 10:37:02 0.023
04/16/2013 10:38:02 0.024
04/16/2013 10:39:02 0.023
04/16/2013 10:40:02 0.023
04/16/2013 10:41:02 0.025
04/16/2013 10:42:02 0.023
04/16/2013 10:43:02 0.023
04/16/2013 10:44:02 0.024
04/16/2013 10:45:02 0.022
04/16/2013 10:46:02 0.023
04/16/2013 10:47:02 0.023
04/16/2013 10:48:02 0.025
04/16/2013 10:49:02 0.023
04/16/2013 10:50:02 0.023
04/16/2013 10:51:02 0.023
04/16/2013 10:52:02 0.022
04/16/2013 10:53:02 0.023
04/16/2013 10:54:02 0.022
04/16/2013 10:55:02 0.022
04/16/2013 10:56:02 0.022
04/16/2013 10:57:02 0.025
04/16/2013 10:58:02 0.022
04/16/2013 10:59:02 0.023
04/16/2013 11:00:02 0.022
04/16/2013 11:01:02 0.022
04/16/2013 11:02:02 0.026
04/16/2013 11:03:02 0.023
04/16/2013 11:04:02 0.023

04/16/2013 11:05:02 0.023
04/16/2013 11:06:02 0.022
04/16/2013 11:07:02 0.024
04/16/2013 11:08:02 0.024
04/16/2013 11:09:02 0.023
04/16/2013 11:10:02 0.024
04/16/2013 11:11:02 0.024
04/16/2013 11:12:02 0.022
04/16/2013 11:13:02 0.022
04/16/2013 11:14:02 0.023
04/16/2013 11:15:02 0.022
04/16/2013 11:16:02 0.023
04/16/2013 11:17:02 0.022
04/16/2013 11:18:02 0.023
04/16/2013 11:19:02 0.023
04/16/2013 11:20:02 0.022
04/16/2013 11:21:02 0.023
04/16/2013 11:22:02 0.022
04/16/2013 11:23:02 0.023
04/16/2013 11:24:02 0.023
04/16/2013 11:25:02 0.023
04/16/2013 11:26:02 0.022
04/16/2013 11:27:02 0.022
04/16/2013 11:28:02 0.023
04/16/2013 11:29:02 0.022
04/16/2013 11:30:02 0.021
04/16/2013 11:31:02 0.022
04/16/2013 11:32:02 0.022
04/16/2013 11:33:02 0.022
04/16/2013 11:34:02 0.022
04/16/2013 11:35:02 0.022
04/16/2013 11:36:02 0.027
04/16/2013 11:37:02 0.023
04/16/2013 11:38:02 0.023
04/16/2013 11:39:02 0.022
04/16/2013 11:40:02 0.023
04/16/2013 11:41:02 0.022
04/16/2013 11:42:02 0.023
04/16/2013 11:43:02 0.025
04/16/2013 11:44:02 0.023
04/16/2013 11:45:02 0.024
04/16/2013 11:46:02 0.023
04/16/2013 11:47:02 0.022
04/16/2013 11:48:02 0.026
04/16/2013 11:49:02 0.025
04/16/2013 11:50:02 0.024
04/16/2013 11:51:02 0.026
04/16/2013 11:52:02 0.023
04/16/2013 11:53:02 0.024
04/16/2013 11:54:02 0.027
04/16/2013 11:55:02 0.025
04/16/2013 11:56:02 0.023
04/16/2013 11:57:02 0.023
04/16/2013 11:58:02 0.024
04/16/2013 11:59:02 0.024
04/16/2013 12:00:02 0.024
04/16/2013 12:01:02 0.025
04/16/2013 12:02:02 0.024
04/16/2013 12:03:02 0.024
04/16/2013 12:04:02 0.024
04/16/2013 12:05:02 0.024
04/16/2013 12:06:02 0.024
04/16/2013 12:07:02 0.024

04/16/2013 12:08:02 0.024
04/16/2013 12:09:02 0.022
04/16/2013 12:10:02 0.023
04/16/2013 12:11:02 0.023
04/16/2013 12:12:02 0.023
04/16/2013 12:13:02 0.022
04/16/2013 12:14:02 0.023
04/16/2013 12:15:02 0.023
04/16/2013 12:16:02 0.023
04/16/2013 12:17:02 0.023
04/16/2013 12:18:02 0.023
04/16/2013 12:19:02 0.024
04/16/2013 12:20:02 0.026
04/16/2013 12:21:02 0.025
04/16/2013 12:22:02 0.023
04/16/2013 12:23:02 0.024
04/16/2013 12:24:02 0.024
04/16/2013 12:25:02 0.025
04/16/2013 12:26:02 0.025
04/16/2013 12:27:02 0.025
04/16/2013 12:28:02 0.025
04/16/2013 12:29:02 0.024
04/16/2013 12:30:02 0.026
04/16/2013 12:31:02 0.025
04/16/2013 12:32:02 0.025
04/16/2013 12:33:02 0.025
04/16/2013 12:34:02 0.025
04/16/2013 12:35:02 0.026
04/16/2013 12:36:02 0.027
04/16/2013 12:37:02 0.027
04/16/2013 12:38:02 0.027
04/16/2013 12:39:02 0.027
04/16/2013 12:40:02 0.028
04/16/2013 12:41:02 0.027
04/16/2013 12:42:02 0.027
04/16/2013 12:43:02 0.027
04/16/2013 12:44:02 0.027
04/16/2013 12:45:02 0.029
04/16/2013 12:46:02 0.029
04/16/2013 12:47:02 0.029
04/16/2013 12:48:02 0.028
04/16/2013 12:49:02 0.028
04/16/2013 12:50:02 0.027
04/16/2013 12:51:02 0.028
04/16/2013 12:52:02 0.028
04/16/2013 12:53:02 0.028
04/16/2013 12:54:02 0.028
04/16/2013 12:55:02 0.028
04/16/2013 12:56:02 0.028
04/16/2013 12:57:02 0.028
04/16/2013 12:58:02 0.029
04/16/2013 12:59:02 0.028
04/16/2013 13:00:02 0.027
04/16/2013 13:01:02 0.028
04/16/2013 13:02:02 0.028
04/16/2013 13:03:02 0.028
04/16/2013 13:04:02 0.028
04/16/2013 13:05:02 0.028
04/16/2013 13:06:02 0.030
04/16/2013 13:07:02 0.029
04/16/2013 13:08:02 0.028
04/16/2013 13:09:02 0.029
04/16/2013 13:10:02 0.028

04/16/2013 13:11:02 0.030
04/16/2013 13:12:02 0.029
04/16/2013 13:13:02 0.028
04/16/2013 13:14:02 0.027
04/16/2013 13:15:02 0.029
04/16/2013 13:16:02 0.030
04/16/2013 13:17:02 0.030
04/16/2013 13:18:02 0.028
04/16/2013 13:19:02 0.028
04/16/2013 13:20:02 0.028
04/16/2013 13:21:02 0.028
04/16/2013 13:22:02 0.028
04/16/2013 13:23:02 0.027
04/16/2013 13:24:02 0.027
04/16/2013 13:25:02 0.028
04/16/2013 13:26:02 0.028
04/16/2013 13:27:02 0.028
04/16/2013 13:28:02 0.027
04/16/2013 13:29:02 0.027
04/16/2013 13:30:02 0.027
04/16/2013 13:31:02 0.028
04/16/2013 13:32:02 0.027
04/16/2013 13:33:02 0.027
04/16/2013 13:34:02 0.028
04/16/2013 13:35:02 0.028
04/16/2013 13:36:02 0.028
04/16/2013 13:37:02 0.027
04/16/2013 13:38:02 0.028
04/16/2013 13:39:02 0.026
04/16/2013 13:40:02 0.027
04/16/2013 13:41:02 0.027
04/16/2013 13:42:02 0.027
04/16/2013 13:43:02 0.026

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121501
Test ID: 004
Test Abbreviation: TEST 1_004
Start Date: 04/17/2013
Start Time: 08:07:50
Duration (dd:hh:mm:ss): 0:08:41:00
Log Interval (mm:ss): 01:00
Number of points: 521
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.003
 Minimum: 0.000
 Time of Minimum: 10:28:50
 Date of Minimum: 04/17/2013
 Maximum: 0.062
 Time of Maximum: 08:08:50
 Date of Maximum: 04/17/2013

Calibration Sensor: AEROSOL
 Cal. date 04/03/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/17/2013 08:08:50 0.062
04/17/2013 08:09:50 0.009

04/17/2013 08:10:50 0.004
04/17/2013 08:11:50 0.004
04/17/2013 08:12:50 0.004
04/17/2013 08:13:50 0.004
04/17/2013 08:14:50 0.006
04/17/2013 08:15:50 0.006
04/17/2013 08:16:50 0.012
04/17/2013 08:17:50 0.004
04/17/2013 08:18:50 0.009
04/17/2013 08:19:50 0.018
04/17/2013 08:20:50 0.013
04/17/2013 08:21:50 0.016
04/17/2013 08:22:50 0.034
04/17/2013 08:23:50 0.029
04/17/2013 08:24:50 0.007
04/17/2013 08:25:50 0.005
04/17/2013 08:26:50 0.004
04/17/2013 08:27:50 0.012
04/17/2013 08:28:50 0.007
04/17/2013 08:29:50 0.007
04/17/2013 08:30:50 0.022
04/17/2013 08:31:50 0.009
04/17/2013 08:32:50 0.005
04/17/2013 08:33:50 0.003
04/17/2013 08:34:50 0.003
04/17/2013 08:35:50 0.003
04/17/2013 08:36:50 0.005
04/17/2013 08:37:50 0.005
04/17/2013 08:38:50 0.006
04/17/2013 08:39:50 0.004
04/17/2013 08:40:50 0.004
04/17/2013 08:41:50 0.006
04/17/2013 08:42:50 0.004
04/17/2013 08:43:50 0.003
04/17/2013 08:44:50 0.005
04/17/2013 08:45:50 0.005
04/17/2013 08:46:50 0.003
04/17/2013 08:47:50 0.002
04/17/2013 08:48:50 0.002
04/17/2013 08:49:50 0.003
04/17/2013 08:50:50 0.003
04/17/2013 08:51:50 0.003
04/17/2013 08:52:50 0.004
04/17/2013 08:53:50 0.003
04/17/2013 08:54:50 0.003
04/17/2013 08:55:50 0.004
04/17/2013 08:56:50 0.003
04/17/2013 08:57:50 0.004
04/17/2013 08:58:50 0.005
04/17/2013 08:59:50 0.004
04/17/2013 09:00:50 0.003
04/17/2013 09:01:50 0.003
04/17/2013 09:02:50 0.007
04/17/2013 09:03:50 0.005
04/17/2013 09:04:50 0.005
04/17/2013 09:05:50 0.005
04/17/2013 09:06:50 0.003
04/17/2013 09:07:50 0.002
04/17/2013 09:08:50 0.003
04/17/2013 09:09:50 0.003
04/17/2013 09:10:50 0.004
04/17/2013 09:11:50 0.002
04/17/2013 09:12:50 0.002

04/17/2013 09:13:50 0.002
04/17/2013 09:14:50 0.003
04/17/2013 09:15:50 0.003
04/17/2013 09:16:50 0.002
04/17/2013 09:17:50 0.002
04/17/2013 09:18:50 0.003
04/17/2013 09:19:50 0.002
04/17/2013 09:20:50 0.002
04/17/2013 09:21:50 0.003
04/17/2013 09:22:50 0.003
04/17/2013 09:23:50 0.003
04/17/2013 09:24:50 0.002
04/17/2013 09:25:50 0.002
04/17/2013 09:26:50 0.002
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Model: DustTrak II
Model Number: 8530
Serial Number: 8530121501
Test ID: 005
Test Abbreviation: TEST 1_005
Start Date: 04/18/2013
Start Time: 08:02:04
Duration (dd:hh:mm:ss): 0:09:43:00
Log Interval (mm:ss): 01:00
Number of points: 583
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.015
 Minimum: 0.006
 Time of Minimum: 08:04:04
 Date of Minimum: 04/18/2013
 Maximum: 0.110
 Time of Maximum: 13:38:04
 Date of Maximum: 04/18/2013

Calibration Sensor: AEROSOL
 Cal. date 04/03/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/18/2013 08:03:04 0.008
04/18/2013 08:04:04 0.006
04/18/2013 08:05:04 0.009
04/18/2013 08:06:04 0.007
04/18/2013 08:07:04 0.006
04/18/2013 08:08:04 0.006
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04/18/2013 17:43:04 0.017
04/18/2013 17:44:04 0.015
04/18/2013 17:45:04 0.015

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121501

Test ID: 006
Test Abbreviation: TEST 1_006
Start Date: 04/19/2013
Start Time: 08:14:22
Duration (dd:hh:mm:ss): 0:02:10:00
Log Interval (mm:ss): 01:00
Number of points: 130
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.022
 Minimum: 0.018
 Time of Minimum: 09:29:22
 Date of Minimum: 04/19/2013
 Maximum: 0.062
 Time of Maximum: 10:21:22
 Date of Maximum: 04/19/2013

Calibration Sensor: AEROSOL
 Cal. date 04/03/2013

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
04/19/2013	08:15:22	0.032
04/19/2013	08:16:22	0.024
04/19/2013	08:17:22	0.025
04/19/2013	08:18:22	0.024
04/19/2013	08:19:22	0.023
04/19/2013	08:20:22	0.027
04/19/2013	08:21:22	0.024
04/19/2013	08:22:22	0.025
04/19/2013	08:23:22	0.024
04/19/2013	08:24:22	0.026
04/19/2013	08:25:22	0.023
04/19/2013	08:26:22	0.024
04/19/2013	08:27:22	0.023
04/19/2013	08:28:22	0.022
04/19/2013	08:29:22	0.022
04/19/2013	08:30:22	0.022
04/19/2013	08:31:22	0.022
04/19/2013	08:32:22	0.022
04/19/2013	08:33:22	0.022
04/19/2013	08:34:22	0.022
04/19/2013	08:35:22	0.022
04/19/2013	08:36:22	0.021
04/19/2013	08:37:22	0.021
04/19/2013	08:38:22	0.022
04/19/2013	08:39:22	0.022
04/19/2013	08:40:22	0.021
04/19/2013	08:41:22	0.022
04/19/2013	08:42:22	0.021
04/19/2013	08:43:22	0.021
04/19/2013	08:44:22	0.021
04/19/2013	08:45:22	0.021
04/19/2013	08:46:22	0.021
04/19/2013	08:47:22	0.027
04/19/2013	08:48:22	0.022
04/19/2013	08:49:22	0.021
04/19/2013	08:50:22	0.022
04/19/2013	08:51:22	0.022
04/19/2013	08:52:22	0.020
04/19/2013	08:53:22	0.020

04/19/2013 08:54:22 0.021
04/19/2013 08:55:22 0.022
04/19/2013 08:56:22 0.022
04/19/2013 08:57:22 0.020
04/19/2013 08:58:22 0.024
04/19/2013 08:59:22 0.022
04/19/2013 09:00:22 0.020
04/19/2013 09:01:22 0.020
04/19/2013 09:02:22 0.019
04/19/2013 09:03:22 0.020
04/19/2013 09:04:22 0.020
04/19/2013 09:05:22 0.020
04/19/2013 09:06:22 0.022
04/19/2013 09:07:22 0.020
04/19/2013 09:08:22 0.022
04/19/2013 09:09:22 0.020
04/19/2013 09:10:22 0.020
04/19/2013 09:11:22 0.020
04/19/2013 09:12:22 0.020
04/19/2013 09:13:22 0.019
04/19/2013 09:14:22 0.020
04/19/2013 09:15:22 0.030
04/19/2013 09:16:22 0.023
04/19/2013 09:17:22 0.021
04/19/2013 09:18:22 0.019
04/19/2013 09:19:22 0.020
04/19/2013 09:20:22 0.020
04/19/2013 09:21:22 0.020
04/19/2013 09:22:22 0.034
04/19/2013 09:23:22 0.023
04/19/2013 09:24:22 0.020
04/19/2013 09:25:22 0.019
04/19/2013 09:26:22 0.019
04/19/2013 09:27:22 0.019
04/19/2013 09:28:22 0.019
04/19/2013 09:29:22 0.018
04/19/2013 09:30:22 0.020
04/19/2013 09:31:22 0.020
04/19/2013 09:32:22 0.019
04/19/2013 09:33:22 0.019
04/19/2013 09:34:22 0.020
04/19/2013 09:35:22 0.027
04/19/2013 09:36:22 0.019
04/19/2013 09:37:22 0.019
04/19/2013 09:38:22 0.022
04/19/2013 09:39:22 0.021
04/19/2013 09:40:22 0.020
04/19/2013 09:41:22 0.020
04/19/2013 09:42:22 0.020
04/19/2013 09:43:22 0.019
04/19/2013 09:44:22 0.021
04/19/2013 09:45:22 0.022
04/19/2013 09:46:22 0.021
04/19/2013 09:47:22 0.020
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04/19/2013 09:51:22 0.020
04/19/2013 09:52:22 0.023
04/19/2013 09:53:22 0.022
04/19/2013 09:54:22 0.022
04/19/2013 09:55:22 0.021
04/19/2013 09:56:22 0.020

04/19/2013 09:57:22 0.020
04/19/2013 09:58:22 0.020
04/19/2013 09:59:22 0.020
04/19/2013 10:00:22 0.020
04/19/2013 10:01:22 0.023
04/19/2013 10:02:22 0.022
04/19/2013 10:03:22 0.021
04/19/2013 10:04:22 0.020
04/19/2013 10:05:22 0.021
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04/19/2013 10:11:22 0.020
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04/19/2013 10:15:22 0.026
04/19/2013 10:16:22 0.022
04/19/2013 10:17:22 0.023
04/19/2013 10:18:22 0.024
04/19/2013 10:19:22 0.023
04/19/2013 10:20:22 0.021
04/19/2013 10:21:22 0.062
04/19/2013 10:22:22 0.025
04/19/2013 10:23:22 0.022
04/19/2013 10:24:22 0.022

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121501
Test ID: 007
Test Abbreviation: TEST 1_007
Start Date: 04/22/2013
Start Time: 08:09:43
Duration (dd:hh:mm:ss): 0:09:22:00
Log Interval (mm:ss): 01:00
Number of points: 562
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.013
 Minimum: 0.008
 Time of Minimum: 17:21:43
 Date of Minimum: 04/22/2013
 Maximum: 0.039
 Time of Maximum: 12:57:43
 Date of Maximum: 04/22/2013

Calibration Sensor: AEROSOL
 Cal. date 04/03/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/22/2013 08:10:43 0.019
04/22/2013 08:11:43 0.019
04/22/2013 08:12:43 0.017
04/22/2013 08:13:43 0.019
04/22/2013 08:14:43 0.020
04/22/2013 08:15:43 0.024
04/22/2013 08:16:43 0.019

04/22/2013 08:17:43 0.017
04/22/2013 08:18:43 0.019
04/22/2013 08:19:43 0.021
04/22/2013 08:20:43 0.018
04/22/2013 08:21:43 0.017
04/22/2013 08:22:43 0.017
04/22/2013 08:23:43 0.016
04/22/2013 08:24:43 0.016
04/22/2013 08:25:43 0.018
04/22/2013 08:26:43 0.017
04/22/2013 08:27:43 0.017
04/22/2013 08:28:43 0.016
04/22/2013 08:29:43 0.017
04/22/2013 08:30:43 0.016
04/22/2013 08:31:43 0.018
04/22/2013 08:32:43 0.015
04/22/2013 08:33:43 0.016
04/22/2013 08:34:43 0.016
04/22/2013 08:35:43 0.017
04/22/2013 08:36:43 0.016
04/22/2013 08:37:43 0.016
04/22/2013 08:38:43 0.016
04/22/2013 08:39:43 0.016
04/22/2013 08:40:43 0.016
04/22/2013 08:41:43 0.015
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04/22/2013 08:47:43 0.016
04/22/2013 08:48:43 0.015
04/22/2013 08:49:43 0.015
04/22/2013 08:50:43 0.021
04/22/2013 08:51:43 0.015
04/22/2013 08:52:43 0.015
04/22/2013 08:53:43 0.015
04/22/2013 08:54:43 0.015
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04/22/2013 08:57:43 0.031
04/22/2013 08:58:43 0.024
04/22/2013 08:59:43 0.015
04/22/2013 09:00:43 0.015
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04/22/2013 15:12:43 0.011
04/22/2013 15:13:43 0.010
04/22/2013 15:14:43 0.010
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04/22/2013 15:37:43 0.029

04/22/2013 15:38:43 0.011
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04/22/2013 15:42:43 0.011
04/22/2013 15:43:43 0.012
04/22/2013 15:44:43 0.012
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04/22/2013 16:02:43 0.013
04/22/2013 16:03:43 0.013
04/22/2013 16:04:43 0.012
04/22/2013 16:05:43 0.011
04/22/2013 16:06:43 0.011
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04/22/2013 16:08:43 0.011
04/22/2013 16:09:43 0.011
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04/22/2013 16:42:43 0.010
04/22/2013 16:43:43 0.009
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04/22/2013 16:46:43 0.010
04/22/2013 16:47:43 0.010
04/22/2013 16:48:43 0.010
04/22/2013 16:49:43 0.009
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04/22/2013 16:51:43 0.011
04/22/2013 16:52:43 0.011
04/22/2013 16:53:43 0.009
04/22/2013 16:54:43 0.009
04/22/2013 16:55:43 0.010
04/22/2013 16:56:43 0.011
04/22/2013 16:57:43 0.016
04/22/2013 16:58:43 0.037
04/22/2013 16:59:43 0.011
04/22/2013 17:00:43 0.010
04/22/2013 17:01:43 0.011
04/22/2013 17:02:43 0.010
04/22/2013 17:03:43 0.013
04/22/2013 17:04:43 0.010
04/22/2013 17:05:43 0.009
04/22/2013 17:06:43 0.009
04/22/2013 17:07:43 0.009
04/22/2013 17:08:43 0.010
04/22/2013 17:09:43 0.014
04/22/2013 17:10:43 0.015
04/22/2013 17:11:43 0.009
04/22/2013 17:12:43 0.009
04/22/2013 17:13:43 0.009
04/22/2013 17:14:43 0.012
04/22/2013 17:15:43 0.011
04/22/2013 17:16:43 0.009
04/22/2013 17:17:43 0.009
04/22/2013 17:18:43 0.009
04/22/2013 17:19:43 0.010
04/22/2013 17:20:43 0.014
04/22/2013 17:21:43 0.008
04/22/2013 17:22:43 0.009
04/22/2013 17:23:43 0.009
04/22/2013 17:24:43 0.009
04/22/2013 17:25:43 0.010
04/22/2013 17:26:43 0.011
04/22/2013 17:27:43 0.009
04/22/2013 17:28:43 0.014
04/22/2013 17:29:43 0.009
04/22/2013 17:30:43 0.009
04/22/2013 17:31:43 0.012

Model: DustTrak II
Model Number: 8530
Serial Number: 8530121501
Test ID: 008
Test Abbreviation: TEST 1_008
Start Date: 04/23/2013
Start Time: 07:52:03
Duration (dd:hh:mm:ss): 0:00:42:00
Log Interval (mm:ss): 01:00
Number of points: 42
Notes:

Statistics Channel: AEROSOL
 Units: mg/m^3
 Average: 0.033
 Minimum: 0.015
 Time of Minimum: 08:29:03
 Date of Minimum: 04/23/2013
 Maximum: 0.088
 Time of Maximum: 08:22:03
 Date of Maximum: 04/23/2013

Calibration Sensor: AEROSOL
 Cal. date 04/03/2013

Date Time AEROSOL
MM/dd/yyyy hh:mm:ss mg/m^3
04/23/2013 07:53:03 0.028
04/23/2013 07:54:03 0.032
04/23/2013 07:55:03 0.034
04/23/2013 07:56:03 0.023
04/23/2013 07:57:03 0.025
04/23/2013 07:58:03 0.025
04/23/2013 07:59:03 0.033
04/23/2013 08:00:03 0.056
04/23/2013 08:01:03 0.018
04/23/2013 08:02:03 0.033
04/23/2013 08:03:03 0.082
04/23/2013 08:04:03 0.018
04/23/2013 08:05:03 0.019
04/23/2013 08:06:03 0.029
04/23/2013 08:07:03 0.020
04/23/2013 08:08:03 0.026
04/23/2013 08:09:03 0.021
04/23/2013 08:10:03 0.045
04/23/2013 08:11:03 0.030
04/23/2013 08:12:03 0.017
04/23/2013 08:13:03 0.021
04/23/2013 08:14:03 0.031
04/23/2013 08:15:03 0.034
04/23/2013 08:16:03 0.026
04/23/2013 08:17:03 0.051
04/23/2013 08:18:03 0.078
04/23/2013 08:19:03 0.040
04/23/2013 08:20:03 0.037
04/23/2013 08:21:03 0.022
04/23/2013 08:22:03 0.088
04/23/2013 08:23:03 0.039
04/23/2013 08:24:03 0.021
04/23/2013 08:25:03 0.026
04/23/2013 08:26:03 0.048
04/23/2013 08:27:03 0.017
04/23/2013 08:28:03 0.016
04/23/2013 08:29:03 0.015
04/23/2013 08:30:03 0.081
04/23/2013 08:31:03 0.031
04/23/2013 08:32:03 0.015
04/23/2013 08:33:03 0.015
04/23/2013 08:34:03 0.022

TrakPro Version 4.51 ASCII Data File

Model:,DustTrak II
Model Number:,8530
Serial Number:,8530121419
Test ID:,001
Test Abbreviation:,MANUAL_001
Start Date:,11/21/2013
Start Time:,10:49:28
Duration (dd:hh:mm:ss):,0:03:53:00
Log Interval (mm:ss):,01:00
Number of points:,233
Notes:,

Statistics,Channel:,AEROSOL
,Units:,mg/m^3
,Average:,0.011
,Minimum:,0.002
,Time of Minimum:,14:10:28
,Date of Minimum:,11/21/2013
,Maximum:,0.039
,Time of Maximum:,10:56:28
,Date of Maximum:,11/21/2013

Calibration,Sensor:,AEROSOL
,Cal. date,08/06/2013

Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
11/21/2013,10:50:28,0.022
11/21/2013,10:51:28,0.015
11/21/2013,10:52:28,0.017
11/21/2013,10:53:28,0.017
11/21/2013,10:54:28,0.016
11/21/2013,10:55:28,0.015
11/21/2013,10:56:28,0.039
11/21/2013,10:57:28,0.018
11/21/2013,10:58:28,0.021
11/21/2013,10:59:28,0.023
11/21/2013,11:00:28,0.016
11/21/2013,11:01:28,0.014
11/21/2013,11:02:28,0.015
11/21/2013,11:03:28,0.015
11/21/2013,11:04:28,0.014
11/21/2013,11:05:28,0.015
11/21/2013,11:06:28,0.015
11/21/2013,11:07:28,0.015
11/21/2013,11:08:28,0.015
11/21/2013,11:09:28,0.014
11/21/2013,11:10:28,0.016
11/21/2013,11:11:28,0.018
11/21/2013,11:12:28,0.018
11/21/2013,11:13:28,0.026
11/21/2013,11:14:28,0.014
11/21/2013,11:15:28,0.014
11/21/2013,11:16:28,0.017
11/21/2013,11:17:28,0.014
11/21/2013,11:18:28,0.014
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11/21/2013,11:23:28,0.015

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11/21/2013,11:25:28,0.013
11/21/2013,11:26:28,0.014
11/21/2013,11:27:28,0.013
11/21/2013,11:28:28,0.014
11/21/2013,11:29:28,0.017
11/21/2013,11:30:28,0.012
11/21/2013,11:31:28,0.014
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11/21/2013,11:33:28,0.013
11/21/2013,11:34:28,0.015
11/21/2013,11:35:28,0.013
11/21/2013,11:36:28,0.012
11/21/2013,11:37:28,0.012
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11/21/2013,11:40:28,0.015
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11/21/2013,11:57:28,0.012
11/21/2013,11:58:28,0.012
11/21/2013,11:59:28,0.013
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11/21/2013,12:01:28,0.013
11/21/2013,12:02:28,0.014
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11/21/2013,12:04:28,0.019
11/21/2013,12:05:28,0.012
11/21/2013,12:06:28,0.011
11/21/2013,12:07:28,0.011
11/21/2013,12:08:28,0.015
11/21/2013,12:09:28,0.016
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11/21/2013,12:21:28,0.013
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11/21/2013,13:06:28,0.008
11/21/2013,13:07:28,0.010
11/21/2013,13:08:28,0.010
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11/21/2013,13:48:28,0.008
11/21/2013,13:49:28,0.009
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11/21/2013,13:52:28,0.014
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11/21/2013,13:54:28,0.008
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11/21/2013,13:56:28,0.009
11/21/2013,13:57:28,0.007
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Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006119

User ID: 00000001 Site ID: 00000004

Data Points: 27 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 03/28/2013 08:09

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/2/2013	10:30	0		0		0	
2	4/2/2013	10:45	0		0		0	
3	4/2/2013	11:00	0		0		0	
4	4/2/2013	11:15	0		0		0	
5	4/2/2013	11:30	0		0		0	
6	4/2/2013	11:45	0		0		0	
7	4/2/2013	12:00	0		0		0	
8	4/2/2013	12:15	0		0		0	
9	4/2/2013	12:30	0		0		0	
10	4/2/2013	12:45	0		0		0	
11	4/2/2013	13:00	0		0		0	
12	4/2/2013	13:15	0		0		0	
13	4/2/2013	13:30	0		0		0	
14	4/2/2013	13:45	0		0		0	
15	4/2/2013	14:00	0		0		0	
16	4/2/2013	14:15	0		0		0	
17	4/2/2013	14:30	0		0		0	
18	4/2/2013	14:45	0		0		0	
19	4/2/2013	15:00	0		0		0	
20	4/2/2013	15:15	0		0		0	
21	4/2/2013	15:30	0		0		0	
22	4/2/2013	15:45	0		0		0	
23	4/2/2013	16:00	0		0		0	
24	4/2/2013	16:15	0		0		0	
25	4/2/2013	16:30	0		0		0	
26	4/2/2013	16:45	0		0		0	
27	4/2/2013	17:00	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006119

User ID: 00000001 Site ID: 00000005

Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 03/28/2013 08:09

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/3/2013	8:34	0		0		0	
2	4/3/2013	8:49	0		0		0	
3	4/3/2013	9:04	0		0		0.8	
4	4/3/2013	9:19	0		0		0	
5	4/3/2013	9:34	0		0		0	
6	4/3/2013	9:49	0		0		0	
7	4/3/2013	10:04	0		0		0	
8	4/3/2013	10:19	0		0		2.6	
9	4/3/2013	10:34	0		0		0	
10	4/3/2013	10:49	0		0		0	
11	4/3/2013	11:04	0		0		0	
12	4/3/2013	11:19	0		0		0	
13	4/3/2013	11:34	0		0		0.2	
14	4/3/2013	11:49	0		0		0	
15	4/3/2013	12:04	0		0		0.2	
16	4/3/2013	12:19	0		0		0	
17	4/3/2013	12:34	0		0		0	
18	4/3/2013	12:49	0		0		0	
19	4/3/2013	13:04	0		0		0	
20	4/3/2013	13:19	0		0		0	
21	4/3/2013	13:34	0		0		0	
22	4/3/2013	13:49	0		0		0	
23	4/3/2013	14:04	0		0		0	
24	4/3/2013	14:19	0		0		0	
25	4/3/2013	14:34	0		0		0	
26	4/3/2013	14:49	0		0		0	
27	4/3/2013	15:04	0		0		0	
28	4/3/2013	15:19	0		0		0	
29	4/3/2013	15:34	0		0		0	
30	4/3/2013	15:49	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006119

User ID: 00000001 Site ID: 00000006

Data Points: 32 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 03/28/2013 08:09

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/4/2013 8:02	0		0		0	
2	4/4/2013 8:17	0		0		0	
3	4/4/2013 8:32	0		0		0	
4	4/4/2013 8:47	0		0		0.7	
5	4/4/2013 9:02	0		0		0	
6	4/4/2013 9:17	0		0		0	
7	4/4/2013 9:32	0		0		0	
8	4/4/2013 9:47	0		0		0	
9	4/4/2013 10:02	0		0		0	
10	4/4/2013 10:17	0		0		0	
11	4/4/2013 10:32	0		0		0	
12	4/4/2013 10:47	0		0		0	
13	4/4/2013 11:02	0		0		0	
14	4/4/2013 11:17	0		0		0	
15	4/4/2013 11:32	0		0		0	
16	4/4/2013 11:47	0		0		0	
17	4/4/2013 12:02	0		0		0	
18	4/4/2013 12:17	0		0		0	
19	4/4/2013 12:32	0		0		0	
20	4/4/2013 12:47	0		0		0	
21	4/4/2013 13:02	0		0		0	
22	4/4/2013 13:17	0		0		0	
23	4/4/2013 13:32	0		0		0	
24	4/4/2013 13:47	0		0		0	
25	4/4/2013 14:02	0		0		0	
26	4/4/2013 14:17	0		0		0	
27	4/4/2013 14:32	0		0		0	
28	4/4/2013 14:47	0		0		0	
29	4/4/2013 15:02	0		0		0	
30	4/4/2013 15:17	0		0		0	
31	4/4/2013 15:32	0		0		0	
32	4/4/2013 15:47	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006119

User ID: 00000001 Site ID: 00000007

Data Points: 26 Gas Name: Isobutylene Sample Period: 900 sec

Last Calibration Time: 03/28/2013 08:09

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	4/5/2013 7:45	0		0		0	
2	4/5/2013 8:00	0		0		0	
3	4/5/2013 8:15	0		0		0	
4	4/5/2013 8:30	0		0		0	
5	4/5/2013 8:45	0		0		0	
6	4/5/2013 9:00	0		0		0	
7	4/5/2013 9:15	0		0		0	
8	4/5/2013 9:30	0		0		0	
9	4/5/2013 9:45	0		0		0	
10	4/5/2013 10:00	0		0		0	
11	4/5/2013 10:15	0		0		0	
12	4/5/2013 10:30	0		0		0	
13	4/5/2013 10:45	0		0		0	
14	4/5/2013 11:00	0		0		0	
15	4/5/2013 11:15	0		0		0	
16	4/5/2013 11:30	0		0		0	
17	4/5/2013 11:45	0		0		0	
18	4/5/2013 12:00	0		0		0	
19	4/5/2013 12:15	0		0		0	
20	4/5/2013 12:30	0		0		0	
21	4/5/2013 12:45	0		0		0	
22	4/5/2013 13:00	0		0		0	
23	4/5/2013 13:15	0		0		0	
24	4/5/2013 13:30	0		0		0	
25	4/5/2013 13:45	0		0		0	
26	4/5/2013 14:00	0		0		0	

13/04/15 10:09

Summary

Unit Name	MiniRAE 3000
Unit SN	592-909117
Unit Firmware Ver	V1.10C
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2013/04/15 10:09:07
End	2013/04/15 16:21:28
Sample Period(s)	60
Number of Records	372
Sensor	VOC(ppm)
Span	100.000
Span 2	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2013/04/15 09:55
Peak	0.218
Min	0.027
Average	0.138

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/15 10:10:07	0.027	0.032	0.027
002	2013/04/15 10:11:07	0.030	0.034	0.033
003	2013/04/15 10:12:07	0.031	0.038	0.035
004	2013/04/15 10:13:07	0.034	0.040	0.032
005	2013/04/15 10:14:07	0.038	0.046	0.039
006	2013/04/15 10:15:07	0.041	0.047	0.040
007	2013/04/15 10:16:07	0.043	0.050	0.044
008	2013/04/15 10:17:07	0.045	0.052	0.043
009	2013/04/15 10:18:07	0.047	0.054	0.046
010	2013/04/15 10:19:07	0.049	0.056	0.053
011	2013/04/15 10:20:07	0.050	0.057	0.051
012	2013/04/15 10:21:07	0.053	0.061	0.056
013	2013/04/15 10:22:07	0.053	0.060	0.057
014	2013/04/15 10:23:07	0.056	0.062	0.050
015	2013/04/15 10:24:07	0.058	0.064	0.062
016	2013/04/15 10:25:07	0.060	0.063	0.062
017	2013/04/15 10:26:07	0.060	0.062	0.061
018	2013/04/15 10:27:07	0.061	0.062	0.062
019	2013/04/15 10:28:07	0.062	0.063	0.062
020	2013/04/15 10:29:07	0.063	0.065	0.065
021	2013/04/15 10:30:07	0.064	0.066	0.065

022	2013/04/15	10:31:07	0.065	0.066	0.066
023	2013/04/15	10:32:07	0.066	0.067	0.067
024	2013/04/15	10:33:07	0.066	0.067	0.066
025	2013/04/15	10:34:07	0.066	0.068	0.067
026	2013/04/15	10:35:07	0.067	0.068	0.067
027	2013/04/15	10:36:07	0.068	0.069	0.068
028	2013/04/15	10:37:07	0.068	0.069	0.069
029	2013/04/15	10:38:07	0.069	0.070	0.070
030	2013/04/15	10:39:07	0.069	0.071	0.069
031	2013/04/15	10:40:07	0.069	0.070	0.070
032	2013/04/15	10:41:07	0.070	0.071	0.070
033	2013/04/15	10:42:07	0.070	0.072	0.072
034	2013/04/15	10:43:07	0.070	0.072	0.071
035	2013/04/15	10:44:07	0.070	0.071	0.070
036	2013/04/15	10:45:07	0.071	0.072	0.071
037	2013/04/15	10:46:07	0.071	0.072	0.071
038	2013/04/15	10:47:07	0.071	0.073	0.072
039	2013/04/15	10:48:07	0.072	0.073	0.073
040	2013/04/15	10:49:07	0.073	0.076	0.073
041	2013/04/15	10:50:07	0.073	0.075	0.073
042	2013/04/15	10:51:07	0.073	0.075	0.075
043	2013/04/15	10:52:07	0.075	0.076	0.075
044	2013/04/15	10:53:07	0.076	0.087	0.087
045	2013/04/15	10:54:07	0.081	0.088	0.077
046	2013/04/15	10:55:07	0.077	0.079	0.077
047	2013/04/15	10:56:07	0.077	0.078	0.078
048	2013/04/15	10:57:07	0.078	0.081	0.079
049	2013/04/15	10:58:07	0.079	0.081	0.079
050	2013/04/15	10:59:07	0.081	0.083	0.082
051	2013/04/15	11:00:07	0.083	0.085	0.084
052	2013/04/15	11:01:07	0.086	0.088	0.088
053	2013/04/15	11:02:07	0.087	0.089	0.089
054	2013/04/15	11:03:07	0.089	0.091	0.089
055	2013/04/15	11:04:07	0.090	0.092	0.090
056	2013/04/15	11:05:07	0.091	0.093	0.093
057	2013/04/15	11:06:07	0.093	0.094	0.094
058	2013/04/15	11:07:07	0.094	0.096	0.095
059	2013/04/15	11:08:07	0.095	0.097	0.095
060	2013/04/15	11:09:07	0.096	0.098	0.098
061	2013/04/15	11:10:07	0.097	0.098	0.097
062	2013/04/15	11:11:07	0.098	0.100	0.099
063	2013/04/15	11:12:07	0.099	0.101	0.100
064	2013/04/15	11:13:07	0.100	0.102	0.102
065	2013/04/15	11:14:07	0.102	0.103	0.103
066	2013/04/15	11:15:07	0.103	0.105	0.105
067	2013/04/15	11:16:07	0.106	0.107	0.107
068	2013/04/15	11:17:07	0.107	0.110	0.109
069	2013/04/15	11:18:07	0.109	0.110	0.110
070	2013/04/15	11:19:07	0.110	0.111	0.111
071	2013/04/15	11:20:07	0.111	0.113	0.112
072	2013/04/15	11:21:07	0.113	0.114	0.114
073	2013/04/15	11:22:07	0.114	0.115	0.114
074	2013/04/15	11:23:07	0.115	0.117	0.115
075	2013/04/15	11:24:07	0.116	0.118	0.116
076	2013/04/15	11:25:07	0.117	0.118	0.117
077	2013/04/15	11:26:07	0.117	0.119	0.119
078	2013/04/15	11:27:07	0.119	0.120	0.119
079	2013/04/15	11:28:07	0.120	0.123	0.122
080	2013/04/15	11:29:07	0.122	0.123	0.123
081	2013/04/15	11:30:07	0.122	0.125	0.124
082	2013/04/15	11:31:07	0.124	0.134	0.134
083	2013/04/15	11:32:07	0.131	0.144	0.126
084	2013/04/15	11:33:07	0.125	0.128	0.127

085	2013/04/15	11:34:07	0.126	0.127	0.126
086	2013/04/15	11:35:07	0.126	0.127	0.126
087	2013/04/15	11:36:07	0.126	0.127	0.127
088	2013/04/15	11:37:07	0.128	0.134	0.134
089	2013/04/15	11:38:07	0.129	0.135	0.131
090	2013/04/15	11:39:07	0.130	0.132	0.131
091	2013/04/15	11:40:07	0.130	0.131	0.130
092	2013/04/15	11:41:07	0.131	0.134	0.133
093	2013/04/15	11:42:07	0.133	0.135	0.133
094	2013/04/15	11:43:07	0.133	0.135	0.134
095	2013/04/15	11:44:07	0.135	0.136	0.135
096	2013/04/15	11:45:07	0.136	0.137	0.137
097	2013/04/15	11:46:07	0.136	0.139	0.138
098	2013/04/15	11:47:07	0.138	0.140	0.140
099	2013/04/15	11:48:07	0.138	0.141	0.141
100	2013/04/15	11:49:07	0.141	0.143	0.142
101	2013/04/15	11:50:07	0.141	0.143	0.141
102	2013/04/15	11:51:07	0.143	0.145	0.145
103	2013/04/15	11:52:07	0.145	0.147	0.144
104	2013/04/15	11:53:07	0.145	0.147	0.147
105	2013/04/15	11:54:07	0.145	0.147	0.146
106	2013/04/15	11:55:07	0.145	0.146	0.144
107	2013/04/15	11:56:07	0.144	0.147	0.142
108	2013/04/15	11:57:07	0.140	0.143	0.138
109	2013/04/15	11:58:07	0.138	0.140	0.138
110	2013/04/15	11:59:07	0.136	0.138	0.136
111	2013/04/15	12:00:07	0.135	0.137	0.136
112	2013/04/15	12:01:07	0.134	0.137	0.131
113	2013/04/15	12:02:07	0.132	0.134	0.132
114	2013/04/15	12:03:07	0.130	0.132	0.129
115	2013/04/15	12:04:07	0.129	0.131	0.128
116	2013/04/15	12:05:07	0.127	0.129	0.129
117	2013/04/15	12:06:07	0.127	0.129	0.125
118	2013/04/15	12:07:07	0.125	0.127	0.124
119	2013/04/15	12:08:07	0.124	0.126	0.123
120	2013/04/15	12:09:07	0.123	0.125	0.122
121	2013/04/15	12:10:07	0.122	0.123	0.122
122	2013/04/15	12:11:07	0.120	0.123	0.121
123	2013/04/15	12:12:07	0.118	0.120	0.118
124	2013/04/15	12:13:07	0.118	0.120	0.116
125	2013/04/15	12:14:07	0.116	0.117	0.115
126	2013/04/15	12:15:07	0.114	0.116	0.114
127	2013/04/15	12:16:07	0.112	0.115	0.111
128	2013/04/15	12:17:07	0.125	0.201	0.111
129	2013/04/15	12:18:07	0.133	0.184	0.115
130	2013/04/15	12:19:07	0.112	0.130	0.130
131	2013/04/15	12:20:07	0.128	0.208	0.120
132	2013/04/15	12:21:07	0.129	0.170	0.115
133	2013/04/15	12:22:07	0.133	0.153	0.128
134	2013/04/15	12:23:07	0.125	0.146	0.123
135	2013/04/15	12:24:07	0.138	0.196	0.122
136	2013/04/15	12:25:07	0.122	0.148	0.121
137	2013/04/15	12:26:07	0.142	0.298	0.133
138	2013/04/15	12:27:07	0.110	0.144	0.139
139	2013/04/15	12:28:07	0.110	0.133	0.108
140	2013/04/15	12:29:07	0.115	0.159	0.159
141	2013/04/15	12:30:07	0.121	0.161	0.109
142	2013/04/15	12:31:07	0.122	0.177	0.143
143	2013/04/15	12:32:07	0.116	0.134	0.108
144	2013/04/15	12:33:07	0.110	0.126	0.115
145	2013/04/15	12:34:07	0.111	0.121	0.108
146	2013/04/15	12:35:07	0.121	0.139	0.119
147	2013/04/15	12:36:07	0.117	0.124	0.117

148	2013/04/15 12:37:07	0.115	0.135	0.121
149	2013/04/15 12:38:07	0.122	0.138	0.114
150	2013/04/15 12:39:07	0.113	0.128	0.107
151	2013/04/15 12:40:07	0.116	0.123	0.112
152	2013/04/15 12:41:07	0.115	0.131	0.111
153	2013/04/15 12:42:07	0.115	0.142	0.127
154	2013/04/15 12:43:07	0.116	0.132	0.108
155	2013/04/15 12:44:07	0.114	0.131	0.110
156	2013/04/15 12:45:07	0.113	0.124	0.105
157	2013/04/15 12:46:07	0.116	0.138	0.127
158	2013/04/15 12:47:07	0.112	0.125	0.118
159	2013/04/15 12:48:07	0.131	0.201	0.108
160	2013/04/15 12:49:07	0.118	0.148	0.119
161	2013/04/15 12:50:07	0.120	0.204	0.107
162	2013/04/15 12:51:07	0.116	0.136	0.136
163	2013/04/15 12:52:07	0.110	0.133	0.112
164	2013/04/15 12:53:07	0.112	0.146	0.109
165	2013/04/15 12:54:07	0.112	0.123	0.110
166	2013/04/15 12:55:07	0.116	0.136	0.115
167	2013/04/15 12:56:07	0.116	0.121	0.119
168	2013/04/15 12:57:07	0.117	0.129	0.129
169	2013/04/15 12:58:07	0.121	0.141	0.109
170	2013/04/15 12:59:07	0.110	0.122	0.109
171	2013/04/15 13:00:07	0.111	0.121	0.110
172	2013/04/15 13:01:07	0.113	0.120	0.111
173	2013/04/15 13:02:07	0.118	0.140	0.122
174	2013/04/15 13:03:07	0.123	0.150	0.136
175	2013/04/15 13:04:07	0.137	0.164	0.139
176	2013/04/15 13:05:07	0.128	0.153	0.127
177	2013/04/15 13:06:07	0.132	0.159	0.121
178	2013/04/15 13:07:07	0.128	0.157	0.137
179	2013/04/15 13:08:07	0.132	0.146	0.145
180	2013/04/15 13:09:07	0.135	0.151	0.124
181	2013/04/15 13:10:07	0.127	0.150	0.138
182	2013/04/15 13:11:07	0.139	0.157	0.141
183	2013/04/15 13:12:07	0.144	0.181	0.121
184	2013/04/15 13:13:07	0.133	0.165	0.133
185	2013/04/15 13:14:07	0.129	0.142	0.141
186	2013/04/15 13:15:07	0.134	0.152	0.139
187	2013/04/15 13:16:07	0.130	0.139	0.130
188	2013/04/15 13:17:07	0.135	0.188	0.137
189	2013/04/15 13:18:07	0.133	0.146	0.135
190	2013/04/15 13:19:07	0.142	0.156	0.145
191	2013/04/15 13:20:07	0.140	0.156	0.139
192	2013/04/15 13:21:07	0.158	0.199	0.173
193	2013/04/15 13:22:07	0.151	0.192	0.142
194	2013/04/15 13:23:07	0.153	0.185	0.133
195	2013/04/15 13:24:07	0.138	0.145	0.134
196	2013/04/15 13:25:07	0.137	0.148	0.148
197	2013/04/15 13:26:07	0.148	0.179	0.142
198	2013/04/15 13:27:07	0.142	0.159	0.149
199	2013/04/15 13:28:07	0.151	0.174	0.150
200	2013/04/15 13:29:07	0.141	0.150	0.139
201	2013/04/15 13:30:07	0.161	0.219	0.147
202	2013/04/15 13:31:07	0.141	0.161	0.139
203	2013/04/15 13:32:07	0.157	0.190	0.143
204	2013/04/15 13:33:07	0.141	0.149	0.143
205	2013/04/15 13:34:07	0.145	0.152	0.143
206	2013/04/15 13:35:07	0.145	0.149	0.149
207	2013/04/15 13:36:07	0.160	0.195	0.169
208	2013/04/15 13:37:07	0.168	0.203	0.170
209	2013/04/15 13:38:07	0.156	0.165	0.151
210	2013/04/15 13:39:07	0.158	0.173	0.154

211	2013/04/15 13:40:07	0.157	0.172	0.159
212	2013/04/15 13:41:07	0.158	0.167	0.153
213	2013/04/15 13:42:07	0.154	0.156	0.156
214	2013/04/15 13:43:07	0.162	0.177	0.173
215	2013/04/15 13:44:07	0.161	0.171	0.160
216	2013/04/15 13:45:07	0.171	0.203	0.177
217	2013/04/15 13:46:07	0.178	0.192	0.176
218	2013/04/15 13:47:07	0.184	0.228	0.218
219	2013/04/15 13:48:07	0.184	0.212	0.199
220	2013/04/15 13:49:07	0.184	0.202	0.172
221	2013/04/15 13:50:07	0.173	0.188	0.168
222	2013/04/15 13:51:07	0.170	0.194	0.166
223	2013/04/15 13:52:07	0.167	0.170	0.167
224	2013/04/15 13:53:07	0.175	0.192	0.187
225	2013/04/15 13:54:07	0.171	0.197	0.167
226	2013/04/15 13:55:07	0.177	0.194	0.175
227	2013/04/15 13:56:07	0.173	0.186	0.186
228	2013/04/15 13:57:07	0.177	0.201	0.171
229	2013/04/15 13:58:07	0.176	0.217	0.170
230	2013/04/15 13:59:07	0.181	0.213	0.170
231	2013/04/15 14:00:07	0.177	0.196	0.173
232	2013/04/15 14:01:07	0.171	0.192	0.172
233	2013/04/15 14:02:07	0.179	0.198	0.181
234	2013/04/15 14:03:07	0.176	0.194	0.194
235	2013/04/15 14:04:07	0.184	0.205	0.172
236	2013/04/15 14:05:07	0.177	0.198	0.197
237	2013/04/15 14:06:07	0.180	0.197	0.182
238	2013/04/15 14:07:07	0.186	0.216	0.183
239	2013/04/15 14:08:07	0.186	0.201	0.193
240	2013/04/15 14:09:07	0.195	0.242	0.191
241	2013/04/15 14:10:07	0.191	0.217	0.183
242	2013/04/15 14:11:07	0.175	0.189	0.173
243	2013/04/15 14:12:07	0.194	0.216	0.199
244	2013/04/15 14:13:07	0.182	0.196	0.180
245	2013/04/15 14:14:07	0.186	0.196	0.190
246	2013/04/15 14:15:07	0.195	0.230	0.188
247	2013/04/15 14:16:07	0.190	0.207	0.191
248	2013/04/15 14:17:07	0.188	0.203	0.183
249	2013/04/15 14:18:07	0.182	0.185	0.181
250	2013/04/15 14:19:07	0.185	0.204	0.192
251	2013/04/15 14:20:07	0.185	0.196	0.196
252	2013/04/15 14:21:07	0.189	0.213	0.190
253	2013/04/15 14:22:07	0.194	0.222	0.185
254	2013/04/15 14:23:07	0.183	0.188	0.185
255	2013/04/15 14:24:07	0.180	0.185	0.179
256	2013/04/15 14:25:07	0.191	0.204	0.192
257	2013/04/15 14:26:07	0.185	0.195	0.182
258	2013/04/15 14:27:07	0.181	0.201	0.201
259	2013/04/15 14:28:07	0.183	0.197	0.178
260	2013/04/15 14:29:07	0.185	0.201	0.183
261	2013/04/15 14:30:07	0.181	0.185	0.178
262	2013/04/15 14:31:07	0.176	0.179	0.179
263	2013/04/15 14:32:07	0.182	0.192	0.183
264	2013/04/15 14:33:07	0.183	0.190	0.185
265	2013/04/15 14:34:07	0.179	0.188	0.182
266	2013/04/15 14:35:07	0.178	0.189	0.177
267	2013/04/15 14:36:07	0.179	0.193	0.190
268	2013/04/15 14:37:07	0.185	0.207	0.196
269	2013/04/15 14:38:07	0.180	0.195	0.184
270	2013/04/15 14:39:07	0.193	0.217	0.189
271	2013/04/15 14:40:07	0.195	0.235	0.183
272	2013/04/15 14:41:07	0.183	0.199	0.191
273	2013/04/15 14:42:07	0.186	0.207	0.186

274	2013/04/15	14:43:07	0.180	0.193	0.176
275	2013/04/15	14:44:07	0.179	0.209	0.175
276	2013/04/15	14:45:07	0.177	0.190	0.173
277	2013/04/15	14:46:07	0.180	0.197	0.177
278	2013/04/15	14:47:07	0.179	0.198	0.174
279	2013/04/15	14:48:07	0.176	0.188	0.174
280	2013/04/15	14:49:07	0.180	0.202	0.175
281	2013/04/15	14:50:07	0.172	0.180	0.172
282	2013/04/15	14:51:07	0.180	0.207	0.170
283	2013/04/15	14:52:07	0.171	0.179	0.170
284	2013/04/15	14:53:07	0.173	0.186	0.179
285	2013/04/15	14:54:07	0.180	0.216	0.177
286	2013/04/15	14:55:07	0.177	0.194	0.191
287	2013/04/15	14:56:07	0.173	0.190	0.171
288	2013/04/15	14:57:07	0.183	0.197	0.185
289	2013/04/15	14:58:07	0.178	0.194	0.189
290	2013/04/15	14:59:07	0.173	0.193	0.169
291	2013/04/15	15:00:07	0.170	0.180	0.179
292	2013/04/15	15:01:07	0.169	0.180	0.170
293	2013/04/15	15:02:07	0.169	0.184	0.168
294	2013/04/15	15:03:07	0.169	0.180	0.180
295	2013/04/15	15:04:07	0.165	0.186	0.163
296	2013/04/15	15:05:07	0.165	0.173	0.163
297	2013/04/15	15:06:07	0.173	0.188	0.171
298	2013/04/15	15:07:07	0.180	0.223	0.175
299	2013/04/15	15:08:07	0.173	0.189	0.167
300	2013/04/15	15:09:07	0.167	0.169	0.166
301	2013/04/15	15:10:07	0.177	0.195	0.178
302	2013/04/15	15:11:07	0.178	0.195	0.193
303	2013/04/15	15:12:07	0.171	0.194	0.175
304	2013/04/15	15:13:07	0.177	0.186	0.184
305	2013/04/15	15:14:07	0.177	0.196	0.167
306	2013/04/15	15:15:07	0.172	0.190	0.176
307	2013/04/15	15:16:07	0.168	0.177	0.167
308	2013/04/15	15:17:07	0.167	0.173	0.166
309	2013/04/15	15:18:07	0.181	0.200	0.173
310	2013/04/15	15:19:07	0.172	0.191	0.172
311	2013/04/15	15:20:07	0.174	0.200	0.179
312	2013/04/15	15:21:07	0.176	0.188	0.179
313	2013/04/15	15:22:07	0.180	0.200	0.183
314	2013/04/15	15:23:07	0.180	0.195	0.169
315	2013/04/15	15:24:07	0.166	0.169	0.165
316	2013/04/15	15:25:07	0.167	0.178	0.167
317	2013/04/15	15:26:07	0.170	0.192	0.173
318	2013/04/15	15:27:07	0.173	0.186	0.172
319	2013/04/15	15:28:07	0.174	0.190	0.174
320	2013/04/15	15:29:07	0.173	0.186	0.171
321	2013/04/15	15:30:07	0.176	0.198	0.167
322	2013/04/15	15:31:07	0.168	0.173	0.172
323	2013/04/15	15:32:07	0.169	0.189	0.166
324	2013/04/15	15:33:07	0.167	0.176	0.176
325	2013/04/15	15:34:07	0.180	0.198	0.171
326	2013/04/15	15:35:07	0.171	0.181	0.170
327	2013/04/15	15:36:07	0.174	0.190	0.174
328	2013/04/15	15:37:07	0.170	0.176	0.171
329	2013/04/15	15:38:07	0.178	0.216	0.198
330	2013/04/15	15:39:07	0.175	0.196	0.168
331	2013/04/15	15:40:07	0.171	0.179	0.170
332	2013/04/15	15:41:07	0.168	0.172	0.168
333	2013/04/15	15:42:07	0.169	0.183	0.166
334	2013/04/15	15:43:07	0.173	0.183	0.171
335	2013/04/15	15:44:07	0.169	0.192	0.165
336	2013/04/15	15:45:07	0.167	0.184	0.162

337	2013/04/15 15:46:07	0.179	0.208	0.189
338	2013/04/15 15:47:07	0.176	0.191	0.171
339	2013/04/15 15:48:07	0.174	0.181	0.180
340	2013/04/15 15:49:07	0.173	0.185	0.168
341	2013/04/15 15:50:07	0.181	0.203	0.168
342	2013/04/15 15:51:07	0.168	0.180	0.165
343	2013/04/15 15:52:07	0.166	0.179	0.175
344	2013/04/15 15:53:07	0.178	0.193	0.174
345	2013/04/15 15:54:07	0.183	0.198	0.186
346	2013/04/15 15:55:07	0.170	0.190	0.177
347	2013/04/15 15:56:07	0.181	0.210	0.185
348	2013/04/15 15:57:07	0.173	0.192	0.165
349	2013/04/15 15:58:07	0.167	0.183	0.165
350	2013/04/15 15:59:07	0.165	0.169	0.164
351	2013/04/15 16:00:07	0.166	0.179	0.162
352	2013/04/15 16:01:07	0.167	0.199	0.166
353	2013/04/15 16:02:07	0.173	0.184	0.164
354	2013/04/15 16:03:07	0.161	0.171	0.166
355	2013/04/15 16:04:07	0.160	0.172	0.157
356	2013/04/15 16:05:07	0.159	0.178	0.159
357	2013/04/15 16:06:07	0.161	0.176	0.152
358	2013/04/15 16:07:07	0.150	0.161	0.149
359	2013/04/15 16:08:07	0.150	0.155	0.149
360	2013/04/15 16:09:07	0.155	0.164	0.154
361	2013/04/15 16:10:07	0.154	0.185	0.145
362	2013/04/15 16:11:07	0.146	0.157	0.157
363	2013/04/15 16:12:07	0.152	0.182	0.146
364	2013/04/15 16:13:07	0.150	0.159	0.149
365	2013/04/15 16:14:07	0.146	0.156	0.144
366	2013/04/15 16:15:07	0.146	0.150	0.146
367	2013/04/15 16:16:07	0.148	0.154	0.147
368	2013/04/15 16:17:07	0.155	0.166	0.152
369	2013/04/15 16:18:07	0.153	0.164	0.155
370	2013/04/15 16:19:07	0.163	0.184	0.177
371	2013/04/15 16:20:07	0.155	0.181	0.157
372	2013/04/15 16:21:07	0.152	0.161	0.153
Peak		0.195	0.298	0.218
Min		0.027	0.032	0.027
Average		0.138	0.152	0.138

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/15 10:10:07	0.000	---
002	2013/04/15 10:11:07	0.000	---
003	2013/04/15 10:12:07	0.000	---
004	2013/04/15 10:13:07	0.000	---
005	2013/04/15 10:14:07	0.000	---
006	2013/04/15 10:15:07	0.000	---
007	2013/04/15 10:16:07	0.001	---
008	2013/04/15 10:17:07	0.001	---
009	2013/04/15 10:18:07	0.001	---
010	2013/04/15 10:19:07	0.001	---
011	2013/04/15 10:20:07	0.001	---
012	2013/04/15 10:21:07	0.001	---
013	2013/04/15 10:22:07	0.001	---
014	2013/04/15 10:23:07	0.001	---
015	2013/04/15 10:24:07	0.001	0.045
016	2013/04/15 10:25:07	0.002	0.047
017	2013/04/15 10:26:07	0.002	0.049
018	2013/04/15 10:27:07	0.002	0.051
019	2013/04/15 10:28:07	0.002	0.053

020	2013/04/15 10:29:07	0.002	0.054
021	2013/04/15 10:30:07	0.002	0.056
022	2013/04/15 10:31:07	0.002	0.057
023	2013/04/15 10:32:07	0.002	0.059
024	2013/04/15 10:33:07	0.003	0.060
025	2013/04/15 10:34:07	0.003	0.061
026	2013/04/15 10:35:07	0.003	0.062
027	2013/04/15 10:36:07	0.003	0.063
028	2013/04/15 10:37:07	0.003	0.064
029	2013/04/15 10:38:07	0.003	0.065
030	2013/04/15 10:39:07	0.003	0.066
031	2013/04/15 10:40:07	0.004	0.066
032	2013/04/15 10:41:07	0.004	0.067
033	2013/04/15 10:42:07	0.004	0.068
034	2013/04/15 10:43:07	0.004	0.068
035	2013/04/15 10:44:07	0.004	0.068
036	2013/04/15 10:45:07	0.004	0.069
037	2013/04/15 10:46:07	0.004	0.069
038	2013/04/15 10:47:07	0.005	0.070
039	2013/04/15 10:48:07	0.005	0.070
040	2013/04/15 10:49:07	0.005	0.070
041	2013/04/15 10:50:07	0.005	0.071
042	2013/04/15 10:51:07	0.005	0.071
043	2013/04/15 10:52:07	0.005	0.072
044	2013/04/15 10:53:07	0.006	0.073
045	2013/04/15 10:54:07	0.006	0.073
046	2013/04/15 10:55:07	0.006	0.074
047	2013/04/15 10:56:07	0.006	0.074
048	2013/04/15 10:57:07	0.006	0.075
049	2013/04/15 10:58:07	0.006	0.075
050	2013/04/15 10:59:07	0.007	0.076
051	2013/04/15 11:00:07	0.007	0.077
052	2013/04/15 11:01:07	0.007	0.078
053	2013/04/15 11:02:07	0.007	0.079
054	2013/04/15 11:03:07	0.007	0.080
055	2013/04/15 11:04:07	0.007	0.081
056	2013/04/15 11:05:07	0.008	0.083
057	2013/04/15 11:06:07	0.008	0.084
058	2013/04/15 11:07:07	0.008	0.085
059	2013/04/15 11:08:07	0.008	0.086
060	2013/04/15 11:09:07	0.008	0.087
061	2013/04/15 11:10:07	0.009	0.089
062	2013/04/15 11:11:07	0.009	0.090
063	2013/04/15 11:12:07	0.009	0.091
064	2013/04/15 11:13:07	0.009	0.093
065	2013/04/15 11:14:07	0.010	0.094
066	2013/04/15 11:15:07	0.010	0.096
067	2013/04/15 11:16:07	0.010	0.097
068	2013/04/15 11:17:07	0.010	0.098
069	2013/04/15 11:18:07	0.010	0.100
070	2013/04/15 11:19:07	0.011	0.101
071	2013/04/15 11:20:07	0.011	0.102
072	2013/04/15 11:21:07	0.011	0.104
073	2013/04/15 11:22:07	0.011	0.105
074	2013/04/15 11:23:07	0.012	0.106
075	2013/04/15 11:24:07	0.012	0.108
076	2013/04/15 11:25:07	0.012	0.109
077	2013/04/15 11:26:07	0.012	0.110
078	2013/04/15 11:27:07	0.013	0.112
079	2013/04/15 11:28:07	0.013	0.113
080	2013/04/15 11:29:07	0.013	0.114
081	2013/04/15 11:30:07	0.013	0.115
082	2013/04/15 11:31:07	0.014	0.117

083	2013/04/15 11:32:07	0.014	0.118
084	2013/04/15 11:33:07	0.014	0.120
085	2013/04/15 11:34:07	0.014	0.121
086	2013/04/15 11:35:07	0.015	0.121
087	2013/04/15 11:36:07	0.015	0.122
088	2013/04/15 11:37:07	0.015	0.124
089	2013/04/15 11:38:07	0.015	0.125
090	2013/04/15 11:39:07	0.016	0.126
091	2013/04/15 11:40:07	0.016	0.127
092	2013/04/15 11:41:07	0.016	0.128
093	2013/04/15 11:42:07	0.017	0.128
094	2013/04/15 11:43:07	0.017	0.129
095	2013/04/15 11:44:07	0.017	0.130
096	2013/04/15 11:45:07	0.017	0.131
097	2013/04/15 11:46:07	0.018	0.131
098	2013/04/15 11:47:07	0.018	0.132
099	2013/04/15 11:48:07	0.018	0.133
100	2013/04/15 11:49:07	0.019	0.134
101	2013/04/15 11:50:07	0.019	0.135
102	2013/04/15 11:51:07	0.019	0.136
103	2013/04/15 11:52:07	0.019	0.137
104	2013/04/15 11:53:07	0.020	0.138
105	2013/04/15 11:54:07	0.020	0.139
106	2013/04/15 11:55:07	0.020	0.140
107	2013/04/15 11:56:07	0.021	0.141
108	2013/04/15 11:57:07	0.021	0.141
109	2013/04/15 11:58:07	0.021	0.141
110	2013/04/15 11:59:07	0.022	0.141
111	2013/04/15 12:00:07	0.022	0.141
112	2013/04/15 12:01:07	0.022	0.141
113	2013/04/15 12:02:07	0.022	0.140
114	2013/04/15 12:03:07	0.023	0.139
115	2013/04/15 12:04:07	0.023	0.138
116	2013/04/15 12:05:07	0.023	0.138
117	2013/04/15 12:06:07	0.023	0.136
118	2013/04/15 12:07:07	0.024	0.135
119	2013/04/15 12:08:07	0.024	0.133
120	2013/04/15 12:09:07	0.024	0.132
121	2013/04/15 12:10:07	0.024	0.130
122	2013/04/15 12:11:07	0.025	0.129
123	2013/04/15 12:12:07	0.025	0.128
124	2013/04/15 12:13:07	0.025	0.126
125	2013/04/15 12:14:07	0.025	0.125
126	2013/04/15 12:15:07	0.026	0.123
127	2013/04/15 12:16:07	0.026	0.122
128	2013/04/15 12:17:07	0.026	0.121
129	2013/04/15 12:18:07	0.026	0.120
130	2013/04/15 12:19:07	0.027	0.120
131	2013/04/15 12:20:07	0.027	0.119
132	2013/04/15 12:21:07	0.027	0.118
133	2013/04/15 12:22:07	0.027	0.119
134	2013/04/15 12:23:07	0.028	0.119
135	2013/04/15 12:24:07	0.028	0.119
136	2013/04/15 12:25:07	0.028	0.119
137	2013/04/15 12:26:07	0.028	0.119
138	2013/04/15 12:27:07	0.029	0.121
139	2013/04/15 12:28:07	0.029	0.120
140	2013/04/15 12:29:07	0.029	0.123
141	2013/04/15 12:30:07	0.030	0.123
142	2013/04/15 12:31:07	0.030	0.125
143	2013/04/15 12:32:07	0.030	0.125
144	2013/04/15 12:33:07	0.030	0.125
145	2013/04/15 12:34:07	0.031	0.123

146	2013/04/15 12:35:07	0.031	0.123
147	2013/04/15 12:36:07	0.031	0.123
148	2013/04/15 12:37:07	0.031	0.123
149	2013/04/15 12:38:07	0.032	0.122
150	2013/04/15 12:39:07	0.032	0.121
151	2013/04/15 12:40:07	0.032	0.121
152	2013/04/15 12:41:07	0.032	0.119
153	2013/04/15 12:42:07	0.032	0.119
154	2013/04/15 12:43:07	0.033	0.119
155	2013/04/15 12:44:07	0.033	0.115
156	2013/04/15 12:45:07	0.033	0.115
157	2013/04/15 12:46:07	0.033	0.114
158	2013/04/15 12:47:07	0.034	0.115
159	2013/04/15 12:48:07	0.034	0.114
160	2013/04/15 12:49:07	0.034	0.115
161	2013/04/15 12:50:07	0.034	0.114
162	2013/04/15 12:51:07	0.035	0.115
163	2013/04/15 12:52:07	0.035	0.115
164	2013/04/15 12:53:07	0.035	0.114
165	2013/04/15 12:54:07	0.035	0.115
166	2013/04/15 12:55:07	0.036	0.115
167	2013/04/15 12:56:07	0.036	0.115
168	2013/04/15 12:57:07	0.036	0.115
169	2013/04/15 12:58:07	0.036	0.116
170	2013/04/15 12:59:07	0.037	0.115
171	2013/04/15 13:00:07	0.037	0.116
172	2013/04/15 13:01:07	0.037	0.115
173	2013/04/15 13:02:07	0.037	0.115
174	2013/04/15 13:03:07	0.038	0.117
175	2013/04/15 13:04:07	0.038	0.118
176	2013/04/15 13:05:07	0.038	0.120
177	2013/04/15 13:06:07	0.038	0.119
178	2013/04/15 13:07:07	0.039	0.120
179	2013/04/15 13:08:07	0.039	0.123
180	2013/04/15 13:09:07	0.039	0.124
181	2013/04/15 13:10:07	0.039	0.125
182	2013/04/15 13:11:07	0.040	0.127
183	2013/04/15 13:12:07	0.040	0.126
184	2013/04/15 13:13:07	0.040	0.128
185	2013/04/15 13:14:07	0.041	0.130
186	2013/04/15 13:15:07	0.041	0.132
187	2013/04/15 13:16:07	0.041	0.133
188	2013/04/15 13:17:07	0.041	0.134
189	2013/04/15 13:18:07	0.042	0.134
190	2013/04/15 13:19:07	0.042	0.134
191	2013/04/15 13:20:07	0.042	0.135
192	2013/04/15 13:21:07	0.043	0.139
193	2013/04/15 13:22:07	0.043	0.139
194	2013/04/15 13:23:07	0.043	0.138
195	2013/04/15 13:24:07	0.044	0.139
196	2013/04/15 13:25:07	0.044	0.139
197	2013/04/15 13:26:07	0.044	0.139
198	2013/04/15 13:27:07	0.044	0.141
199	2013/04/15 13:28:07	0.045	0.142
200	2013/04/15 13:29:07	0.045	0.142
201	2013/04/15 13:30:07	0.045	0.143
202	2013/04/15 13:31:07	0.046	0.143
203	2013/04/15 13:32:07	0.046	0.144
204	2013/04/15 13:33:07	0.046	0.144
205	2013/04/15 13:34:07	0.047	0.144
206	2013/04/15 13:35:07	0.047	0.145
207	2013/04/15 13:36:07	0.047	0.145
208	2013/04/15 13:37:07	0.048	0.147

209	2013/04/15 13:38:07	0.048	0.148
210	2013/04/15 13:39:07	0.048	0.149
211	2013/04/15 13:40:07	0.048	0.150
212	2013/04/15 13:41:07	0.049	0.151
213	2013/04/15 13:42:07	0.049	0.151
214	2013/04/15 13:43:07	0.049	0.153
215	2013/04/15 13:44:07	0.050	0.154
216	2013/04/15 13:45:07	0.050	0.156
217	2013/04/15 13:46:07	0.051	0.158
218	2013/04/15 13:47:07	0.051	0.163
219	2013/04/15 13:48:07	0.051	0.167
220	2013/04/15 13:49:07	0.052	0.169
221	2013/04/15 13:50:07	0.052	0.170
222	2013/04/15 13:51:07	0.052	0.170
223	2013/04/15 13:52:07	0.053	0.170
224	2013/04/15 13:53:07	0.053	0.172
225	2013/04/15 13:54:07	0.054	0.173
226	2013/04/15 13:55:07	0.054	0.174
227	2013/04/15 13:56:07	0.054	0.176
228	2013/04/15 13:57:07	0.055	0.177
229	2013/04/15 13:58:07	0.055	0.177
230	2013/04/15 13:59:07	0.055	0.178
231	2013/04/15 14:00:07	0.056	0.178
232	2013/04/15 14:01:07	0.056	0.177
233	2013/04/15 14:02:07	0.056	0.175
234	2013/04/15 14:03:07	0.057	0.175
235	2013/04/15 14:04:07	0.057	0.175
236	2013/04/15 14:05:07	0.058	0.177
237	2013/04/15 14:06:07	0.058	0.178
238	2013/04/15 14:07:07	0.058	0.179
239	2013/04/15 14:08:07	0.059	0.179
240	2013/04/15 14:09:07	0.059	0.181
241	2013/04/15 14:10:07	0.060	0.181
242	2013/04/15 14:11:07	0.060	0.180
243	2013/04/15 14:12:07	0.060	0.182
244	2013/04/15 14:13:07	0.061	0.183
245	2013/04/15 14:14:07	0.061	0.184
246	2013/04/15 14:15:07	0.062	0.185
247	2013/04/15 14:16:07	0.062	0.186
248	2013/04/15 14:17:07	0.062	0.187
249	2013/04/15 14:18:07	0.063	0.186
250	2013/04/15 14:19:07	0.063	0.187
251	2013/04/15 14:20:07	0.064	0.187
252	2013/04/15 14:21:07	0.064	0.188
253	2013/04/15 14:22:07	0.064	0.188
254	2013/04/15 14:23:07	0.065	0.187
255	2013/04/15 14:24:07	0.065	0.186
256	2013/04/15 14:25:07	0.065	0.187
257	2013/04/15 14:26:07	0.066	0.188
258	2013/04/15 14:27:07	0.066	0.188
259	2013/04/15 14:28:07	0.067	0.188
260	2013/04/15 14:29:07	0.067	0.187
261	2013/04/15 14:30:07	0.067	0.186
262	2013/04/15 14:31:07	0.068	0.186
263	2013/04/15 14:32:07	0.068	0.186
264	2013/04/15 14:33:07	0.069	0.186
265	2013/04/15 14:34:07	0.069	0.185
266	2013/04/15 14:35:07	0.069	0.184
267	2013/04/15 14:36:07	0.070	0.184
268	2013/04/15 14:37:07	0.070	0.185
269	2013/04/15 14:38:07	0.070	0.185
270	2013/04/15 14:39:07	0.071	0.185
271	2013/04/15 14:40:07	0.071	0.185

272	2013/04/15 14:41:07	0.072	0.185
273	2013/04/15 14:42:07	0.072	0.184
274	2013/04/15 14:43:07	0.072	0.184
275	2013/04/15 14:44:07	0.073	0.184
276	2013/04/15 14:45:07	0.073	0.183
277	2013/04/15 14:46:07	0.073	0.183
278	2013/04/15 14:47:07	0.074	0.183
279	2013/04/15 14:48:07	0.074	0.182
280	2013/04/15 14:49:07	0.075	0.181
281	2013/04/15 14:50:07	0.075	0.181
282	2013/04/15 14:51:07	0.075	0.180
283	2013/04/15 14:52:07	0.076	0.178
284	2013/04/15 14:53:07	0.076	0.178
285	2013/04/15 14:54:07	0.076	0.177
286	2013/04/15 14:55:07	0.077	0.177
287	2013/04/15 14:56:07	0.077	0.176
288	2013/04/15 14:57:07	0.077	0.176
289	2013/04/15 14:58:07	0.078	0.177
290	2013/04/15 14:59:07	0.078	0.176
291	2013/04/15 15:00:07	0.079	0.177
292	2013/04/15 15:01:07	0.079	0.176
293	2013/04/15 15:02:07	0.079	0.176
294	2013/04/15 15:03:07	0.080	0.176
295	2013/04/15 15:04:07	0.080	0.176
296	2013/04/15 15:05:07	0.080	0.175
297	2013/04/15 15:06:07	0.081	0.175
298	2013/04/15 15:07:07	0.081	0.175
299	2013/04/15 15:08:07	0.081	0.175
300	2013/04/15 15:09:07	0.082	0.174
301	2013/04/15 15:10:07	0.082	0.173
302	2013/04/15 15:11:07	0.083	0.174
303	2013/04/15 15:12:07	0.083	0.174
304	2013/04/15 15:13:07	0.083	0.173
305	2013/04/15 15:14:07	0.084	0.173
306	2013/04/15 15:15:07	0.084	0.173
307	2013/04/15 15:16:07	0.084	0.173
308	2013/04/15 15:17:07	0.085	0.173
309	2013/04/15 15:18:07	0.085	0.172
310	2013/04/15 15:19:07	0.085	0.173
311	2013/04/15 15:20:07	0.086	0.174
312	2013/04/15 15:21:07	0.086	0.174
313	2013/04/15 15:22:07	0.087	0.175
314	2013/04/15 15:23:07	0.087	0.175
315	2013/04/15 15:24:07	0.087	0.175
316	2013/04/15 15:25:07	0.088	0.174
317	2013/04/15 15:26:07	0.088	0.173
318	2013/04/15 15:27:07	0.088	0.173
319	2013/04/15 15:28:07	0.089	0.172
320	2013/04/15 15:29:07	0.089	0.172
321	2013/04/15 15:30:07	0.089	0.172
322	2013/04/15 15:31:07	0.090	0.172
323	2013/04/15 15:32:07	0.090	0.172
324	2013/04/15 15:33:07	0.090	0.172
325	2013/04/15 15:34:07	0.091	0.172
326	2013/04/15 15:35:07	0.091	0.172
327	2013/04/15 15:36:07	0.092	0.171
328	2013/04/15 15:37:07	0.092	0.171
329	2013/04/15 15:38:07	0.092	0.172
330	2013/04/15 15:39:07	0.093	0.173
331	2013/04/15 15:40:07	0.093	0.173
332	2013/04/15 15:41:07	0.093	0.173
333	2013/04/15 15:42:07	0.094	0.172
334	2013/04/15 15:43:07	0.094	0.172

335	2013/04/15 15:44:07	0.094	0.172
336	2013/04/15 15:45:07	0.095	0.171
337	2013/04/15 15:46:07	0.095	0.172
338	2013/04/15 15:47:07	0.095	0.173
339	2013/04/15 15:48:07	0.096	0.173
340	2013/04/15 15:49:07	0.096	0.173
341	2013/04/15 15:50:07	0.097	0.173
342	2013/04/15 15:51:07	0.097	0.172
343	2013/04/15 15:52:07	0.097	0.172
344	2013/04/15 15:53:07	0.098	0.171
345	2013/04/15 15:54:07	0.098	0.172
346	2013/04/15 15:55:07	0.098	0.172
347	2013/04/15 15:56:07	0.099	0.173
348	2013/04/15 15:57:07	0.099	0.173
349	2013/04/15 15:58:07	0.099	0.173
350	2013/04/15 15:59:07	0.100	0.173
351	2013/04/15 16:00:07	0.100	0.173
352	2013/04/15 16:01:07	0.100	0.171
353	2013/04/15 16:02:07	0.101	0.171
354	2013/04/15 16:03:07	0.101	0.170
355	2013/04/15 16:04:07	0.102	0.169
356	2013/04/15 16:05:07	0.102	0.169
357	2013/04/15 16:06:07	0.102	0.168
358	2013/04/15 16:07:07	0.102	0.166
359	2013/04/15 16:08:07	0.103	0.164
360	2013/04/15 16:09:07	0.103	0.162
361	2013/04/15 16:10:07	0.103	0.160
362	2013/04/15 16:11:07	0.104	0.158
363	2013/04/15 16:12:07	0.104	0.157
364	2013/04/15 16:13:07	0.104	0.156
365	2013/04/15 16:14:07	0.105	0.155
366	2013/04/15 16:15:07	0.105	0.154
367	2013/04/15 16:16:07	0.105	0.152
368	2013/04/15 16:17:07	0.106	0.151
369	2013/04/15 16:18:07	0.106	0.151
370	2013/04/15 16:19:07	0.106	0.152
371	2013/04/15 16:20:07	0.107	0.152
372	2013/04/15 16:21:07	0.107	0.152

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13/04/16 08:10

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909117
Unit Firmware Ver V1.10C

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/16 08:10:59
End 2013/04/16 13:45:40
Sample Period(s) 60
Number of Records 334

Sensor VOC(ppm)

Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/15 09:55
Peak 0.253
Min 0.016
Average 0.104

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2013/04/16	08:11:59	0.018	0.034	0.020
002	2013/04/16	08:12:59	0.018	0.021	0.018
003	2013/04/16	08:13:59	0.017	0.018	0.018
004	2013/04/16	08:14:59	0.016	0.018	0.016
005	2013/04/16	08:15:59	0.016	0.018	0.017
006	2013/04/16	08:16:59	0.017	0.018	0.017
007	2013/04/16	08:17:59	0.017	0.018	0.018
008	2013/04/16	08:18:59	0.018	0.020	0.018
009	2013/04/16	08:19:59	0.018	0.020	0.020
010	2013/04/16	08:20:59	0.020	0.021	0.021
011	2013/04/16	08:21:59	0.021	0.023	0.023
012	2013/04/16	08:22:59	0.024	0.025	0.025
013	2013/04/16	08:23:59	0.025	0.026	0.025
014	2013/04/16	08:24:59	0.026	0.028	0.028
015	2013/04/16	08:25:59	0.028	0.030	0.029
016	2013/04/16	08:26:59	0.029	0.031	0.031
017	2013/04/16	08:27:59	0.030	0.031	0.031
018	2013/04/16	08:28:59	0.031	0.033	0.032
019	2013/04/16	08:29:59	0.033	0.035	0.034
020	2013/04/16	08:30:59	0.035	0.037	0.037
021	2013/04/16	08:31:59	0.037	0.039	0.039
022	2013/04/16	08:32:59	0.038	0.039	0.039
023	2013/04/16	08:33:59	0.039	0.041	0.041
024	2013/04/16	08:34:59	0.041	0.043	0.041
025	2013/04/16	08:35:59	0.043	0.045	0.045
026	2013/04/16	08:36:59	0.045	0.051	0.046
027	2013/04/16	08:37:59	0.047	0.049	0.048
028	2013/04/16	08:38:59	0.048	0.049	0.049
029	2013/04/16	08:39:59	0.049	0.050	0.050
030	2013/04/16	08:40:59	0.050	0.052	0.051
031	2013/04/16	08:41:59	0.051	0.053	0.053
032	2013/04/16	08:42:59	0.054	0.057	0.057
033	2013/04/16	08:43:59	0.055	0.057	0.056
034	2013/04/16	08:44:59	0.056	0.058	0.058
035	2013/04/16	08:45:59	0.149	0.666	0.071
036	2013/04/16	08:46:59	0.070	0.075	0.064
037	2013/04/16	08:47:59	0.062	0.064	0.062
038	2013/04/16	08:48:59	0.061	0.063	0.062
039	2013/04/16	08:49:59	0.062	0.063	0.063
040	2013/04/16	08:50:59	0.063	0.065	0.063
041	2013/04/16	08:51:59	0.066	0.068	0.067
042	2013/04/16	08:52:59	0.066	0.067	0.067
043	2013/04/16	08:53:59	0.066	0.068	0.068
044	2013/04/16	08:54:59	0.066	0.068	0.068
045	2013/04/16	08:55:59	0.067	0.069	0.069
046	2013/04/16	08:56:59	0.069	0.073	0.070

047	2013/04/16	08:57:59	0.069	0.070	0.070
048	2013/04/16	08:58:59	0.071	0.080	0.079
049	2013/04/16	08:59:59	0.071	0.080	0.071
050	2013/04/16	09:00:59	0.071	0.073	0.072
051	2013/04/16	09:01:59	0.072	0.073	0.073
052	2013/04/16	09:02:59	0.073	0.074	0.073
053	2013/04/16	09:03:59	0.074	0.078	0.076
054	2013/04/16	09:04:59	0.075	0.080	0.074
055	2013/04/16	09:05:59	0.075	0.078	0.076
056	2013/04/16	09:06:59	0.075	0.077	0.075
057	2013/04/16	09:07:59	0.076	0.081	0.076
058	2013/04/16	09:08:59	0.076	0.078	0.077
059	2013/04/16	09:09:59	0.077	0.078	0.078
060	2013/04/16	09:10:59	0.078	0.080	0.079
061	2013/04/16	09:11:59	0.079	0.080	0.079
062	2013/04/16	09:12:59	0.079	0.080	0.080
063	2013/04/16	09:13:59	0.080	0.084	0.080
064	2013/04/16	09:14:59	0.080	0.082	0.081
065	2013/04/16	09:15:59	0.081	0.083	0.081
066	2013/04/16	09:16:59	0.080	0.082	0.082
067	2013/04/16	09:17:59	0.081	0.084	0.084
068	2013/04/16	09:18:59	0.087	0.128	0.082
069	2013/04/16	09:19:59	0.082	0.084	0.083
070	2013/04/16	09:20:59	0.083	0.085	0.084
071	2013/04/16	09:21:59	0.084	0.085	0.085
072	2013/04/16	09:22:59	0.085	0.086	0.085
073	2013/04/16	09:23:59	0.085	0.086	0.086
074	2013/04/16	09:24:59	0.086	0.088	0.087
075	2013/04/16	09:25:59	0.087	0.089	0.087
076	2013/04/16	09:26:59	0.088	0.090	0.088
077	2013/04/16	09:27:59	0.088	0.089	0.089
078	2013/04/16	09:28:59	0.089	0.090	0.090
079	2013/04/16	09:29:59	0.090	0.091	0.090
080	2013/04/16	09:30:59	0.090	0.091	0.090
081	2013/04/16	09:31:59	0.091	0.094	0.092
082	2013/04/16	09:32:59	0.091	0.092	0.092
083	2013/04/16	09:33:59	0.093	0.094	0.094
084	2013/04/16	09:34:59	0.094	0.096	0.095
085	2013/04/16	09:35:59	0.095	0.096	0.095
086	2013/04/16	09:36:59	0.096	0.097	0.097
087	2013/04/16	09:37:59	0.097	0.098	0.098
088	2013/04/16	09:38:59	0.098	0.100	0.100
089	2013/04/16	09:39:59	0.099	0.101	0.100
090	2013/04/16	09:40:59	0.100	0.102	0.101
091	2013/04/16	09:41:59	0.101	0.102	0.102
092	2013/04/16	09:42:59	0.102	0.103	0.103
093	2013/04/16	09:43:59	0.102	0.104	0.103
094	2013/04/16	09:44:59	0.103	0.104	0.104
095	2013/04/16	09:45:59	0.104	0.106	0.106
096	2013/04/16	09:46:59	0.105	0.106	0.106
097	2013/04/16	09:47:59	0.106	0.107	0.107
098	2013/04/16	09:48:59	0.107	0.108	0.107
099	2013/04/16	09:49:59	0.107	0.109	0.108
100	2013/04/16	09:50:59	0.108	0.110	0.110
101	2013/04/16	09:51:59	0.109	0.111	0.110
102	2013/04/16	09:52:59	0.110	0.111	0.111
103	2013/04/16	09:53:59	0.110	0.112	0.111
104	2013/04/16	09:54:59	0.111	0.113	0.112
105	2013/04/16	09:55:59	0.112	0.113	0.113
106	2013/04/16	09:56:59	0.113	0.114	0.114
107	2013/04/16	09:57:59	0.113	0.114	0.114
108	2013/04/16	09:58:59	0.114	0.115	0.114
109	2013/04/16	09:59:59	0.114	0.115	0.114

110	2013/04/16	10:00:59	0.114	0.115	0.114
111	2013/04/16	10:01:59	0.114	0.116	0.115
112	2013/04/16	10:02:59	0.115	0.116	0.116
113	2013/04/16	10:03:59	0.116	0.117	0.117
114	2013/04/16	10:04:59	0.116	0.117	0.116
115	2013/04/16	10:05:59	0.117	0.118	0.117
116	2013/04/16	10:06:59	0.117	0.119	0.118
117	2013/04/16	10:07:59	0.117	0.119	0.118
118	2013/04/16	10:08:59	0.118	0.119	0.118
119	2013/04/16	10:09:59	0.118	0.120	0.120
120	2013/04/16	10:10:59	0.118	0.120	0.120
121	2013/04/16	10:11:59	0.119	0.120	0.120
122	2013/04/16	10:12:59	0.120	0.121	0.121
123	2013/04/16	10:13:59	0.120	0.126	0.121
124	2013/04/16	10:14:59	0.120	0.121	0.120
125	2013/04/16	10:15:59	0.120	0.121	0.121
126	2013/04/16	10:16:59	0.121	0.122	0.121
127	2013/04/16	10:17:59	0.120	0.121	0.121
128	2013/04/16	10:18:59	0.121	0.122	0.121
129	2013/04/16	10:19:59	0.121	0.123	0.122
130	2013/04/16	10:20:59	0.122	0.124	0.122
131	2013/04/16	10:21:59	0.122	0.123	0.122
132	2013/04/16	10:22:59	0.122	0.123	0.122
133	2013/04/16	10:23:59	0.121	0.123	0.122
134	2013/04/16	10:24:59	0.121	0.122	0.122
135	2013/04/16	10:25:59	0.122	0.123	0.122
136	2013/04/16	10:26:59	0.121	0.123	0.122
137	2013/04/16	10:27:59	0.121	0.123	0.122
138	2013/04/16	10:28:59	0.122	0.123	0.123
139	2013/04/16	10:29:59	0.122	0.124	0.123
140	2013/04/16	10:30:59	0.122	0.123	0.123
141	2013/04/16	10:31:59	0.121	0.123	0.121
142	2013/04/16	10:32:59	0.121	0.123	0.123
143	2013/04/16	10:33:59	0.122	0.123	0.122
144	2013/04/16	10:34:59	0.121	0.122	0.122
145	2013/04/16	10:35:59	0.121	0.123	0.122
146	2013/04/16	10:36:59	0.122	0.130	0.122
147	2013/04/16	10:37:59	0.121	0.123	0.121
148	2013/04/16	10:38:59	0.121	0.122	0.122
149	2013/04/16	10:39:59	0.121	0.122	0.121
150	2013/04/16	10:40:59	0.123	0.130	0.121
151	2013/04/16	10:41:59	0.121	0.122	0.121
152	2013/04/16	10:42:59	0.120	0.122	0.121
153	2013/04/16	10:43:59	0.120	0.121	0.120
154	2013/04/16	10:44:59	0.120	0.122	0.121
155	2013/04/16	10:45:59	0.122	0.142	0.122
156	2013/04/16	10:46:59	0.120	0.121	0.120
157	2013/04/16	10:47:59	0.120	0.121	0.120
158	2013/04/16	10:48:59	0.120	0.121	0.120
159	2013/04/16	10:49:59	0.120	0.121	0.120
160	2013/04/16	10:50:59	0.120	0.120	0.120
161	2013/04/16	10:51:59	0.119	0.120	0.119
162	2013/04/16	10:52:59	0.119	0.120	0.120
163	2013/04/16	10:53:59	0.119	0.120	0.120
164	2013/04/16	10:54:59	0.119	0.120	0.119
165	2013/04/16	10:55:59	0.119	0.120	0.119
166	2013/04/16	10:56:59	0.119	0.120	0.120
167	2013/04/16	10:57:59	0.120	0.125	0.120
168	2013/04/16	10:58:59	0.121	0.126	0.124
169	2013/04/16	10:59:59	0.120	0.129	0.129
170	2013/04/16	11:00:59	0.120	0.128	0.120
171	2013/04/16	11:01:59	0.124	0.151	0.120
172	2013/04/16	11:02:59	0.123	0.139	0.139

173	2013/04/16	11:03:59	0.121	0.140	0.120
174	2013/04/16	11:04:59	0.135	0.219	0.145
175	2013/04/16	11:05:59	0.126	0.146	0.123
176	2013/04/16	11:06:59	0.122	0.124	0.122
177	2013/04/16	11:07:59	0.121	0.122	0.121
178	2013/04/16	11:08:59	0.121	0.122	0.121
179	2013/04/16	11:09:59	0.120	0.121	0.120
180	2013/04/16	11:10:59	0.120	0.122	0.121
181	2013/04/16	11:11:59	0.120	0.122	0.120
182	2013/04/16	11:12:59	0.120	0.121	0.120
183	2013/04/16	11:13:59	0.120	0.130	0.121
184	2013/04/16	11:14:59	0.120	0.121	0.120
185	2013/04/16	11:15:59	0.119	0.121	0.120
186	2013/04/16	11:16:59	0.120	0.121	0.121
187	2013/04/16	11:17:59	0.119	0.121	0.120
188	2013/04/16	11:18:59	0.119	0.120	0.120
189	2013/04/16	11:19:59	0.120	0.125	0.121
190	2013/04/16	11:20:59	0.119	0.120	0.120
191	2013/04/16	11:21:59	0.119	0.120	0.119
192	2013/04/16	11:22:59	0.244	1.720	0.253
193	2013/04/16	11:23:59	0.151	0.233	0.131
194	2013/04/16	11:24:59	0.128	0.131	0.126
195	2013/04/16	11:25:59	0.124	0.127	0.124
196	2013/04/16	11:26:59	0.123	0.124	0.122
197	2013/04/16	11:27:59	0.122	0.123	0.122
198	2013/04/16	11:28:59	0.121	0.122	0.122
199	2013/04/16	11:29:59	0.121	0.122	0.122
200	2013/04/16	11:30:59	0.121	0.122	0.121
201	2013/04/16	11:31:59	0.122	0.128	0.122
202	2013/04/16	11:32:59	0.122	0.124	0.122
203	2013/04/16	11:33:59	0.121	0.122	0.121
204	2013/04/16	11:34:59	0.121	0.122	0.121
205	2013/04/16	11:35:59	0.121	0.122	0.121
206	2013/04/16	11:36:59	0.121	0.122	0.121
207	2013/04/16	11:37:59	0.121	0.123	0.121
208	2013/04/16	11:38:59	0.121	0.122	0.121
209	2013/04/16	11:39:59	0.121	0.123	0.122
210	2013/04/16	11:40:59	0.121	0.122	0.121
211	2013/04/16	11:41:59	0.121	0.124	0.122
212	2013/04/16	11:42:59	0.122	0.122	0.122
213	2013/04/16	11:43:59	0.122	0.123	0.122
214	2013/04/16	11:44:59	0.122	0.124	0.122
215	2013/04/16	11:45:59	0.122	0.124	0.123
216	2013/04/16	11:46:59	0.122	0.124	0.123
217	2013/04/16	11:47:59	0.123	0.124	0.122
218	2013/04/16	11:48:59	0.123	0.124	0.124
219	2013/04/16	11:49:59	0.122	0.124	0.124
220	2013/04/16	11:50:59	0.123	0.124	0.124
221	2013/04/16	11:51:59	0.123	0.124	0.124
222	2013/04/16	11:52:59	0.123	0.125	0.124
223	2013/04/16	11:53:59	0.123	0.124	0.123
224	2013/04/16	11:54:59	0.122	0.124	0.122
225	2013/04/16	11:55:59	0.130	0.185	0.125
226	2013/04/16	11:56:59	0.123	0.125	0.122
227	2013/04/16	11:57:59	0.122	0.124	0.122
228	2013/04/16	11:58:59	0.123	0.124	0.123
229	2013/04/16	11:59:59	0.122	0.123	0.123
230	2013/04/16	12:00:59	0.121	0.123	0.121
231	2013/04/16	12:01:59	0.123	0.129	0.122
232	2013/04/16	12:02:59	0.122	0.123	0.122
233	2013/04/16	12:03:59	0.121	0.122	0.122
234	2013/04/16	12:04:59	0.121	0.123	0.122
235	2013/04/16	12:05:59	0.121	0.122	0.121

236	2013/04/16 12:06:59	0.121	0.122	0.122
237	2013/04/16 12:07:59	0.121	0.122	0.121
238	2013/04/16 12:08:59	0.120	0.121	0.121
239	2013/04/16 12:09:59	0.120	0.121	0.120
240	2013/04/16 12:10:59	0.121	0.125	0.124
241	2013/04/16 12:11:59	0.121	0.125	0.121
242	2013/04/16 12:12:59	0.120	0.122	0.121
243	2013/04/16 12:13:59	0.120	0.121	0.120
244	2013/04/16 12:14:59	0.120	0.122	0.121
245	2013/04/16 12:15:59	0.122	0.127	0.123
246	2013/04/16 12:16:59	0.123	0.125	0.124
247	2013/04/16 12:17:59	0.123	0.126	0.124
248	2013/04/16 12:18:59	0.121	0.123	0.121
249	2013/04/16 12:19:59	0.127	0.133	0.126
250	2013/04/16 12:20:59	0.123	0.126	0.122
251	2013/04/16 12:21:59	0.122	0.126	0.123
252	2013/04/16 12:22:59	0.121	0.123	0.121
253	2013/04/16 12:23:59	0.120	0.122	0.122
254	2013/04/16 12:24:59	0.121	0.122	0.121
255	2013/04/16 12:25:59	0.120	0.121	0.120
256	2013/04/16 12:26:59	0.119	0.120	0.120
257	2013/04/16 12:27:59	0.119	0.121	0.119
258	2013/04/16 12:28:59	0.119	0.120	0.119
259	2013/04/16 12:29:59	0.119	0.120	0.120
260	2013/04/16 12:30:59	0.119	0.120	0.119
261	2013/04/16 12:31:59	0.119	0.120	0.119
262	2013/04/16 12:32:59	0.118	0.120	0.118
263	2013/04/16 12:33:59	0.117	0.119	0.118
264	2013/04/16 12:34:59	0.117	0.119	0.118
265	2013/04/16 12:35:59	0.118	0.122	0.118
266	2013/04/16 12:36:59	0.118	0.120	0.117
267	2013/04/16 12:37:59	0.117	0.119	0.117
268	2013/04/16 12:38:59	0.117	0.118	0.116
269	2013/04/16 12:39:59	0.116	0.117	0.117
270	2013/04/16 12:40:59	0.116	0.119	0.117
271	2013/04/16 12:41:59	0.116	0.118	0.117
272	2013/04/16 12:42:59	0.116	0.117	0.116
273	2013/04/16 12:43:59	0.116	0.117	0.117
274	2013/04/16 12:44:59	0.116	0.117	0.117
275	2013/04/16 12:45:59	0.116	0.117	0.116
276	2013/04/16 12:46:59	0.115	0.117	0.115
277	2013/04/16 12:47:59	0.115	0.116	0.116
278	2013/04/16 12:48:59	0.115	0.118	0.115
279	2013/04/16 12:49:59	0.115	0.116	0.115
280	2013/04/16 12:50:59	0.114	0.115	0.115
281	2013/04/16 12:51:59	0.127	0.166	0.123
282	2013/04/16 12:52:59	0.116	0.120	0.116
283	2013/04/16 12:53:59	0.115	0.116	0.116
284	2013/04/16 12:54:59	0.115	0.117	0.116
285	2013/04/16 12:55:59	0.119	0.126	0.126
286	2013/04/16 12:56:59	0.120	0.125	0.119
287	2013/04/16 12:57:59	0.116	0.119	0.116
288	2013/04/16 12:58:59	0.117	0.118	0.118
289	2013/04/16 12:59:59	0.118	0.121	0.120
290	2013/04/16 13:00:59	0.117	0.120	0.116
291	2013/04/16 13:01:59	0.116	0.117	0.116
292	2013/04/16 13:02:59	0.115	0.116	0.115
293	2013/04/16 13:03:59	0.114	0.115	0.115
294	2013/04/16 13:04:59	0.115	0.115	0.115
295	2013/04/16 13:05:59	0.115	0.137	0.137
296	2013/04/16 13:06:59	0.123	0.163	0.116
297	2013/04/16 13:07:59	0.115	0.116	0.115
298	2013/04/16 13:08:59	0.114	0.115	0.115

299	2013/04/16 13:09:59	0.115	0.117	0.115
300	2013/04/16 13:10:59	0.113	0.115	0.113
301	2013/04/16 13:11:59	0.113	0.115	0.114
302	2013/04/16 13:12:59	0.113	0.115	0.113
303	2013/04/16 13:13:59	0.113	0.114	0.113
304	2013/04/16 13:14:59	0.113	0.115	0.113
305	2013/04/16 13:15:59	0.119	0.184	0.113
306	2013/04/16 13:16:59	0.113	0.114	0.113
307	2013/04/16 13:17:59	0.112	0.113	0.113
308	2013/04/16 13:18:59	0.112	0.113	0.112
309	2013/04/16 13:19:59	0.112	0.113	0.113
310	2013/04/16 13:20:59	0.112	0.113	0.113
311	2013/04/16 13:21:59	0.113	0.115	0.114
312	2013/04/16 13:22:59	0.113	0.114	0.113
313	2013/04/16 13:23:59	0.113	0.114	0.113
314	2013/04/16 13:24:59	0.113	0.114	0.114
315	2013/04/16 13:25:59	0.113	0.115	0.113
316	2013/04/16 13:26:59	0.113	0.115	0.113
317	2013/04/16 13:27:59	0.113	0.114	0.113
318	2013/04/16 13:28:59	0.113	0.114	0.114
319	2013/04/16 13:29:59	0.113	0.114	0.113
320	2013/04/16 13:30:59	0.113	0.114	0.114
321	2013/04/16 13:31:59	0.113	0.114	0.113
322	2013/04/16 13:32:59	0.113	0.114	0.114
323	2013/04/16 13:33:59	0.113	0.114	0.114
324	2013/04/16 13:34:59	0.113	0.114	0.113
325	2013/04/16 13:35:59	0.113	0.114	0.114
326	2013/04/16 13:36:59	0.113	0.114	0.113
327	2013/04/16 13:37:59	0.113	0.114	0.114
328	2013/04/16 13:38:59	0.115	0.119	0.113
329	2013/04/16 13:39:59	0.113	0.115	0.114
330	2013/04/16 13:40:59	0.113	0.115	0.114
331	2013/04/16 13:41:59	0.113	0.114	0.114
332	2013/04/16 13:42:59	0.114	0.120	0.115
333	2013/04/16 13:43:59	0.119	0.156	0.115
334	2013/04/16 13:44:59	0.114	0.116	0.115
Peak		0.244	1.720	0.253
Min		0.016	0.018	0.016
Average		0.104	0.113	0.104

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/16 08:11:59	0.000	---
002	2013/04/16 08:12:59	0.000	---
003	2013/04/16 08:13:59	0.000	---
004	2013/04/16 08:14:59	0.000	---
005	2013/04/16 08:15:59	0.000	---
006	2013/04/16 08:16:59	0.000	---
007	2013/04/16 08:17:59	0.000	---
008	2013/04/16 08:18:59	0.000	---
009	2013/04/16 08:19:59	0.000	---
010	2013/04/16 08:20:59	0.000	---
011	2013/04/16 08:21:59	0.000	---
012	2013/04/16 08:22:59	0.000	---
013	2013/04/16 08:23:59	0.001	---
014	2013/04/16 08:24:59	0.001	---
015	2013/04/16 08:25:59	0.001	0.021
016	2013/04/16 08:26:59	0.001	0.022
017	2013/04/16 08:27:59	0.001	0.022
018	2013/04/16 08:28:59	0.001	0.023
019	2013/04/16 08:29:59	0.001	0.025

020	2013/04/16 08:30:59	0.001	0.026
021	2013/04/16 08:31:59	0.001	0.027
022	2013/04/16 08:32:59	0.001	0.029
023	2013/04/16 08:33:59	0.001	0.030
024	2013/04/16 08:34:59	0.001	0.032
025	2013/04/16 08:35:59	0.001	0.033
026	2013/04/16 08:36:59	0.002	0.035
027	2013/04/16 08:37:59	0.002	0.036
028	2013/04/16 08:38:59	0.002	0.038
029	2013/04/16 08:39:59	0.002	0.039
030	2013/04/16 08:40:59	0.002	0.041
031	2013/04/16 08:41:59	0.002	0.042
032	2013/04/16 08:42:59	0.002	0.044
033	2013/04/16 08:43:59	0.002	0.046
034	2013/04/16 08:44:59	0.002	0.047
035	2013/04/16 08:45:59	0.003	0.050
036	2013/04/16 08:46:59	0.003	0.051
037	2013/04/16 08:47:59	0.003	0.053
038	2013/04/16 08:48:59	0.003	0.054
039	2013/04/16 08:49:59	0.003	0.056
040	2013/04/16 08:50:59	0.003	0.057
041	2013/04/16 08:51:59	0.003	0.058
042	2013/04/16 08:52:59	0.003	0.060
043	2013/04/16 08:53:59	0.004	0.061
044	2013/04/16 08:54:59	0.004	0.062
045	2013/04/16 08:55:59	0.004	0.063
046	2013/04/16 08:56:59	0.004	0.064
047	2013/04/16 08:57:59	0.004	0.065
048	2013/04/16 08:58:59	0.004	0.067
049	2013/04/16 08:59:59	0.005	0.068
050	2013/04/16 09:00:59	0.005	0.068
051	2013/04/16 09:01:59	0.005	0.068
052	2013/04/16 09:02:59	0.005	0.069
053	2013/04/16 09:03:59	0.005	0.070
054	2013/04/16 09:04:59	0.005	0.071
055	2013/04/16 09:05:59	0.005	0.072
056	2013/04/16 09:06:59	0.006	0.072
057	2013/04/16 09:07:59	0.006	0.073
058	2013/04/16 09:08:59	0.006	0.073
059	2013/04/16 09:09:59	0.006	0.074
060	2013/04/16 09:10:59	0.006	0.075
061	2013/04/16 09:11:59	0.006	0.075
062	2013/04/16 09:12:59	0.007	0.076
063	2013/04/16 09:13:59	0.007	0.076
064	2013/04/16 09:14:59	0.007	0.077
065	2013/04/16 09:15:59	0.007	0.077
066	2013/04/16 09:16:59	0.007	0.078
067	2013/04/16 09:17:59	0.007	0.079
068	2013/04/16 09:18:59	0.008	0.079
069	2013/04/16 09:19:59	0.008	0.080
070	2013/04/16 09:20:59	0.008	0.080
071	2013/04/16 09:21:59	0.008	0.081
072	2013/04/16 09:22:59	0.008	0.081
073	2013/04/16 09:23:59	0.008	0.082
074	2013/04/16 09:24:59	0.009	0.083
075	2013/04/16 09:25:59	0.009	0.083
076	2013/04/16 09:26:59	0.009	0.084
077	2013/04/16 09:27:59	0.009	0.084
078	2013/04/16 09:28:59	0.009	0.085
079	2013/04/16 09:29:59	0.010	0.086
080	2013/04/16 09:30:59	0.010	0.086
081	2013/04/16 09:31:59	0.010	0.087
082	2013/04/16 09:32:59	0.010	0.087

083	2013/04/16 09:33:59	0.010	0.088
084	2013/04/16 09:34:59	0.011	0.089
085	2013/04/16 09:35:59	0.011	0.090
086	2013/04/16 09:36:59	0.011	0.090
087	2013/04/16 09:37:59	0.011	0.091
088	2013/04/16 09:38:59	0.011	0.092
089	2013/04/16 09:39:59	0.012	0.093
090	2013/04/16 09:40:59	0.012	0.094
091	2013/04/16 09:41:59	0.012	0.095
092	2013/04/16 09:42:59	0.012	0.096
093	2013/04/16 09:43:59	0.012	0.097
094	2013/04/16 09:44:59	0.013	0.098
095	2013/04/16 09:45:59	0.013	0.099
096	2013/04/16 09:46:59	0.013	0.100
097	2013/04/16 09:47:59	0.013	0.101
098	2013/04/16 09:48:59	0.014	0.102
099	2013/04/16 09:49:59	0.014	0.102
100	2013/04/16 09:50:59	0.014	0.103
101	2013/04/16 09:51:59	0.014	0.104
102	2013/04/16 09:52:59	0.014	0.105
103	2013/04/16 09:53:59	0.015	0.106
104	2013/04/16 09:54:59	0.015	0.107
105	2013/04/16 09:55:59	0.015	0.108
106	2013/04/16 09:56:59	0.015	0.108
107	2013/04/16 09:57:59	0.016	0.109
108	2013/04/16 09:58:59	0.016	0.110
109	2013/04/16 09:59:59	0.016	0.110
110	2013/04/16 10:00:59	0.016	0.111
111	2013/04/16 10:01:59	0.017	0.112
112	2013/04/16 10:02:59	0.017	0.112
113	2013/04/16 10:03:59	0.017	0.113
114	2013/04/16 10:04:59	0.017	0.113
115	2013/04/16 10:05:59	0.018	0.114
116	2013/04/16 10:06:59	0.018	0.114
117	2013/04/16 10:07:59	0.018	0.115
118	2013/04/16 10:08:59	0.018	0.115
119	2013/04/16 10:09:59	0.019	0.116
120	2013/04/16 10:10:59	0.019	0.116
121	2013/04/16 10:11:59	0.019	0.117
122	2013/04/16 10:12:59	0.019	0.117
123	2013/04/16 10:13:59	0.020	0.118
124	2013/04/16 10:14:59	0.020	0.118
125	2013/04/16 10:15:59	0.020	0.119
126	2013/04/16 10:16:59	0.020	0.119
127	2013/04/16 10:17:59	0.021	0.119
128	2013/04/16 10:18:59	0.021	0.120
129	2013/04/16 10:19:59	0.021	0.120
130	2013/04/16 10:20:59	0.021	0.120
131	2013/04/16 10:21:59	0.022	0.121
132	2013/04/16 10:22:59	0.022	0.121
133	2013/04/16 10:23:59	0.022	0.121
134	2013/04/16 10:24:59	0.022	0.121
135	2013/04/16 10:25:59	0.023	0.121
136	2013/04/16 10:26:59	0.023	0.121
137	2013/04/16 10:27:59	0.023	0.122
138	2013/04/16 10:28:59	0.023	0.122
139	2013/04/16 10:29:59	0.024	0.122
140	2013/04/16 10:30:59	0.024	0.122
141	2013/04/16 10:31:59	0.024	0.122
142	2013/04/16 10:32:59	0.024	0.122
143	2013/04/16 10:33:59	0.025	0.122
144	2013/04/16 10:34:59	0.025	0.122
145	2013/04/16 10:35:59	0.025	0.122

146	2013/04/16 10:36:59	0.025	0.122
147	2013/04/16 10:37:59	0.026	0.122
148	2013/04/16 10:38:59	0.026	0.122
149	2013/04/16 10:39:59	0.026	0.122
150	2013/04/16 10:40:59	0.026	0.122
151	2013/04/16 10:41:59	0.027	0.122
152	2013/04/16 10:42:59	0.027	0.122
153	2013/04/16 10:43:59	0.027	0.122
154	2013/04/16 10:44:59	0.027	0.122
155	2013/04/16 10:45:59	0.028	0.121
156	2013/04/16 10:46:59	0.028	0.121
157	2013/04/16 10:47:59	0.028	0.121
158	2013/04/16 10:48:59	0.028	0.121
159	2013/04/16 10:49:59	0.029	0.121
160	2013/04/16 10:50:59	0.029	0.121
161	2013/04/16 10:51:59	0.029	0.121
162	2013/04/16 10:52:59	0.029	0.121
163	2013/04/16 10:53:59	0.030	0.120
164	2013/04/16 10:54:59	0.030	0.120
165	2013/04/16 10:55:59	0.030	0.120
166	2013/04/16 10:56:59	0.030	0.120
167	2013/04/16 10:57:59	0.031	0.120
168	2013/04/16 10:58:59	0.031	0.120
169	2013/04/16 10:59:59	0.031	0.121
170	2013/04/16 11:00:59	0.031	0.121
171	2013/04/16 11:01:59	0.032	0.121
172	2013/04/16 11:02:59	0.032	0.122
173	2013/04/16 11:03:59	0.032	0.122
174	2013/04/16 11:04:59	0.032	0.124
175	2013/04/16 11:05:59	0.033	0.124
176	2013/04/16 11:06:59	0.033	0.124
177	2013/04/16 11:07:59	0.033	0.124
178	2013/04/16 11:08:59	0.034	0.124
179	2013/04/16 11:09:59	0.034	0.124
180	2013/04/16 11:10:59	0.034	0.124
181	2013/04/16 11:11:59	0.034	0.124
182	2013/04/16 11:12:59	0.035	0.124
183	2013/04/16 11:13:59	0.035	0.124
184	2013/04/16 11:14:59	0.035	0.124
185	2013/04/16 11:15:59	0.035	0.124
186	2013/04/16 11:16:59	0.036	0.124
187	2013/04/16 11:17:59	0.036	0.122
188	2013/04/16 11:18:59	0.036	0.122
189	2013/04/16 11:19:59	0.036	0.121
190	2013/04/16 11:20:59	0.037	0.121
191	2013/04/16 11:21:59	0.037	0.120
192	2013/04/16 11:22:59	0.037	0.129
193	2013/04/16 11:23:59	0.038	0.130
194	2013/04/16 11:24:59	0.038	0.130
195	2013/04/16 11:25:59	0.038	0.130
196	2013/04/16 11:26:59	0.038	0.131
197	2013/04/16 11:27:59	0.039	0.131
198	2013/04/16 11:28:59	0.039	0.131
199	2013/04/16 11:29:59	0.039	0.131
200	2013/04/16 11:30:59	0.039	0.131
201	2013/04/16 11:31:59	0.040	0.131
202	2013/04/16 11:32:59	0.040	0.131
203	2013/04/16 11:33:59	0.040	0.131
204	2013/04/16 11:34:59	0.040	0.131
205	2013/04/16 11:35:59	0.041	0.131
206	2013/04/16 11:36:59	0.041	0.131
207	2013/04/16 11:37:59	0.041	0.123
208	2013/04/16 11:38:59	0.041	0.122

209	2013/04/16 11:39:59	0.042	0.122
210	2013/04/16 11:40:59	0.042	0.121
211	2013/04/16 11:41:59	0.042	0.121
212	2013/04/16 11:42:59	0.042	0.121
213	2013/04/16 11:43:59	0.043	0.121
214	2013/04/16 11:44:59	0.043	0.121
215	2013/04/16 11:45:59	0.043	0.122
216	2013/04/16 11:46:59	0.043	0.122
217	2013/04/16 11:47:59	0.044	0.122
218	2013/04/16 11:48:59	0.044	0.122
219	2013/04/16 11:49:59	0.044	0.122
220	2013/04/16 11:50:59	0.044	0.122
221	2013/04/16 11:51:59	0.045	0.122
222	2013/04/16 11:52:59	0.045	0.123
223	2013/04/16 11:53:59	0.045	0.123
224	2013/04/16 11:54:59	0.045	0.123
225	2013/04/16 11:55:59	0.046	0.123
226	2013/04/16 11:56:59	0.046	0.123
227	2013/04/16 11:57:59	0.046	0.123
228	2013/04/16 11:58:59	0.046	0.123
229	2013/04/16 11:59:59	0.047	0.123
230	2013/04/16 12:00:59	0.047	0.123
231	2013/04/16 12:01:59	0.047	0.123
232	2013/04/16 12:02:59	0.048	0.123
233	2013/04/16 12:03:59	0.048	0.123
234	2013/04/16 12:04:59	0.048	0.123
235	2013/04/16 12:05:59	0.048	0.123
236	2013/04/16 12:06:59	0.049	0.122
237	2013/04/16 12:07:59	0.049	0.122
238	2013/04/16 12:08:59	0.049	0.122
239	2013/04/16 12:09:59	0.049	0.122
240	2013/04/16 12:10:59	0.050	0.122
241	2013/04/16 12:11:59	0.050	0.122
242	2013/04/16 12:12:59	0.050	0.122
243	2013/04/16 12:13:59	0.050	0.122
244	2013/04/16 12:14:59	0.051	0.121
245	2013/04/16 12:15:59	0.051	0.122
246	2013/04/16 12:16:59	0.051	0.122
247	2013/04/16 12:17:59	0.051	0.122
248	2013/04/16 12:18:59	0.052	0.122
249	2013/04/16 12:19:59	0.052	0.122
250	2013/04/16 12:20:59	0.052	0.122
251	2013/04/16 12:21:59	0.052	0.122
252	2013/04/16 12:22:59	0.053	0.122
253	2013/04/16 12:23:59	0.053	0.122
254	2013/04/16 12:24:59	0.053	0.122
255	2013/04/16 12:25:59	0.053	0.122
256	2013/04/16 12:26:59	0.054	0.122
257	2013/04/16 12:27:59	0.054	0.122
258	2013/04/16 12:28:59	0.054	0.122
259	2013/04/16 12:29:59	0.054	0.122
260	2013/04/16 12:30:59	0.055	0.121
261	2013/04/16 12:31:59	0.055	0.121
262	2013/04/16 12:32:59	0.055	0.121
263	2013/04/16 12:33:59	0.055	0.120
264	2013/04/16 12:34:59	0.056	0.120
265	2013/04/16 12:35:59	0.056	0.120
266	2013/04/16 12:36:59	0.056	0.119
267	2013/04/16 12:37:59	0.056	0.119
268	2013/04/16 12:38:59	0.057	0.119
269	2013/04/16 12:39:59	0.057	0.118
270	2013/04/16 12:40:59	0.057	0.118
271	2013/04/16 12:41:59	0.057	0.118

272	2013/04/16 12:42:59	0.058	0.118
273	2013/04/16 12:43:59	0.058	0.118
274	2013/04/16 12:44:59	0.058	0.117
275	2013/04/16 12:45:59	0.058	0.117
276	2013/04/16 12:46:59	0.058	0.117
277	2013/04/16 12:47:59	0.059	0.117
278	2013/04/16 12:48:59	0.059	0.117
279	2013/04/16 12:49:59	0.059	0.116
280	2013/04/16 12:50:59	0.059	0.116
281	2013/04/16 12:51:59	0.060	0.117
282	2013/04/16 12:52:59	0.060	0.117
283	2013/04/16 12:53:59	0.060	0.117
284	2013/04/16 12:54:59	0.060	0.116
285	2013/04/16 12:55:59	0.061	0.117
286	2013/04/16 12:56:59	0.061	0.117
287	2013/04/16 12:57:59	0.061	0.117
288	2013/04/16 12:58:59	0.061	0.117
289	2013/04/16 12:59:59	0.062	0.117
290	2013/04/16 13:00:59	0.062	0.117
291	2013/04/16 13:01:59	0.062	0.118
292	2013/04/16 13:02:59	0.062	0.117
293	2013/04/16 13:03:59	0.063	0.117
294	2013/04/16 13:04:59	0.063	0.117
295	2013/04/16 13:05:59	0.063	0.119
296	2013/04/16 13:06:59	0.063	0.118
297	2013/04/16 13:07:59	0.064	0.118
298	2013/04/16 13:08:59	0.064	0.118
299	2013/04/16 13:09:59	0.064	0.118
300	2013/04/16 13:10:59	0.064	0.117
301	2013/04/16 13:11:59	0.065	0.117
302	2013/04/16 13:12:59	0.065	0.117
303	2013/04/16 13:13:59	0.065	0.117
304	2013/04/16 13:14:59	0.065	0.116
305	2013/04/16 13:15:59	0.066	0.116
306	2013/04/16 13:16:59	0.066	0.116
307	2013/04/16 13:17:59	0.066	0.116
308	2013/04/16 13:18:59	0.066	0.115
309	2013/04/16 13:19:59	0.066	0.115
310	2013/04/16 13:20:59	0.067	0.114
311	2013/04/16 13:21:59	0.067	0.113
312	2013/04/16 13:22:59	0.067	0.113
313	2013/04/16 13:23:59	0.067	0.113
314	2013/04/16 13:24:59	0.068	0.113
315	2013/04/16 13:25:59	0.068	0.113
316	2013/04/16 13:26:59	0.068	0.113
317	2013/04/16 13:27:59	0.068	0.113
318	2013/04/16 13:28:59	0.069	0.113
319	2013/04/16 13:29:59	0.069	0.113
320	2013/04/16 13:30:59	0.069	0.113
321	2013/04/16 13:31:59	0.069	0.113
322	2013/04/16 13:32:59	0.070	0.113
323	2013/04/16 13:33:59	0.070	0.113
324	2013/04/16 13:34:59	0.070	0.113
325	2013/04/16 13:35:59	0.070	0.113
326	2013/04/16 13:36:59	0.071	0.113
327	2013/04/16 13:37:59	0.071	0.113
328	2013/04/16 13:38:59	0.071	0.113
329	2013/04/16 13:39:59	0.071	0.113
330	2013/04/16 13:40:59	0.071	0.114
331	2013/04/16 13:41:59	0.072	0.114
332	2013/04/16 13:42:59	0.072	0.114
333	2013/04/16 13:43:59	0.072	0.114
334	2013/04/16 13:44:59	0.072	0.114

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13/04/17 08:09

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909117
Unit Firmware Ver V1.10C

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/17 08:09:53
End 2013/04/17 16:50:44
Sample Period(s) 60
Number of Records 520

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/17 08:07
Peak 0.237
Min 0.016
Average 0.141

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/17 08:10:53	0.018	0.024	0.016
002	2013/04/17 08:11:53	0.017	0.022	0.022
003	2013/04/17 08:12:53	0.019	0.024	0.017
004	2013/04/17 08:13:53	0.021	0.026	0.021
005	2013/04/17 08:14:53	0.022	0.027	0.023
006	2013/04/17 08:15:53	0.024	0.030	0.028
007	2013/04/17 08:16:53	0.025	0.031	0.021
008	2013/04/17 08:17:53	0.028	0.036	0.023
009	2013/04/17 08:18:53	0.027	0.033	0.032
010	2013/04/17 08:19:53	0.031	0.038	0.031
011	2013/04/17 08:20:53	0.034	0.042	0.038
012	2013/04/17 08:21:53	0.035	0.042	0.040
013	2013/04/17 08:22:53	0.035	0.043	0.037
014	2013/04/17 08:23:53	0.038	0.045	0.039
015	2013/04/17 08:24:53	0.039	0.046	0.035
016	2013/04/17 08:25:53	0.038	0.044	0.040
017	2013/04/17 08:26:53	0.039	0.043	0.041
018	2013/04/17 08:27:53	0.039	0.044	0.040
019	2013/04/17 08:28:53	0.042	0.047	0.045
020	2013/04/17 08:29:53	0.050	0.057	0.050
021	2013/04/17 08:30:53	0.047	0.053	0.045

022	2013/04/17 08:31:53	0.046	0.050	0.045
023	2013/04/17 08:32:53	0.045	0.052	0.052
024	2013/04/17 08:33:53	0.048	0.054	0.050
025	2013/04/17 08:34:53	0.049	0.058	0.058
026	2013/04/17 08:35:53	0.051	0.058	0.049
027	2013/04/17 08:36:53	0.050	0.056	0.055
028	2013/04/17 08:37:53	0.054	0.062	0.055
029	2013/04/17 08:38:53	0.058	0.066	0.064
030	2013/04/17 08:39:53	0.057	0.065	0.057
031	2013/04/17 08:40:53	0.055	0.061	0.056
032	2013/04/17 08:41:53	0.056	0.061	0.058
033	2013/04/17 08:42:53	0.060	0.066	0.059
034	2013/04/17 08:43:53	0.058	0.061	0.060
035	2013/04/17 08:44:53	0.059	0.060	0.060
036	2013/04/17 08:45:53	0.060	0.062	0.060
037	2013/04/17 08:46:53	0.060	0.061	0.061
038	2013/04/17 08:47:53	0.060	0.062	0.060
039	2013/04/17 08:48:53	0.061	0.063	0.062
040	2013/04/17 08:49:53	0.062	0.063	0.062
041	2013/04/17 08:50:53	0.062	0.063	0.062
042	2013/04/17 08:51:53	0.062	0.063	0.062
043	2013/04/17 08:52:53	0.062	0.063	0.063
044	2013/04/17 08:53:53	0.063	0.064	0.064
045	2013/04/17 08:54:53	0.063	0.064	0.064
046	2013/04/17 08:55:53	0.064	0.066	0.064
047	2013/04/17 08:56:53	0.064	0.068	0.064
048	2013/04/17 08:57:53	0.064	0.065	0.065
049	2013/04/17 08:58:53	0.065	0.067	0.066
050	2013/04/17 08:59:53	0.068	0.076	0.067
051	2013/04/17 09:00:53	0.066	0.068	0.067
052	2013/04/17 09:01:53	0.068	0.070	0.067
053	2013/04/17 09:02:53	0.068	0.069	0.068
054	2013/04/17 09:03:53	0.069	0.072	0.070
055	2013/04/17 09:04:53	0.071	0.075	0.071
056	2013/04/17 09:05:53	0.072	0.075	0.073
057	2013/04/17 09:06:53	0.072	0.073	0.072
058	2013/04/17 09:07:53	0.072	0.073	0.072
059	2013/04/17 09:08:53	0.071	0.072	0.072
060	2013/04/17 09:09:53	0.072	0.073	0.073
061	2013/04/17 09:10:53	0.073	0.075	0.075
062	2013/04/17 09:11:53	0.075	0.076	0.074
063	2013/04/17 09:12:53	0.074	0.076	0.075
064	2013/04/17 09:13:53	0.075	0.076	0.075
065	2013/04/17 09:14:53	0.076	0.077	0.077
066	2013/04/17 09:15:53	0.078	0.082	0.078
067	2013/04/17 09:16:53	0.077	0.081	0.078
068	2013/04/17 09:17:53	0.078	0.079	0.079
069	2013/04/17 09:18:53	0.079	0.080	0.080
070	2013/04/17 09:19:53	0.080	0.081	0.081
071	2013/04/17 09:20:53	0.080	0.081	0.080
072	2013/04/17 09:21:53	0.080	0.082	0.081
073	2013/04/17 09:22:53	0.083	0.088	0.086
074	2013/04/17 09:23:53	0.084	0.087	0.083
075	2013/04/17 09:24:53	0.083	0.085	0.084
076	2013/04/17 09:25:53	0.083	0.084	0.083
077	2013/04/17 09:26:53	0.084	0.085	0.085
078	2013/04/17 09:27:53	0.084	0.085	0.085
079	2013/04/17 09:28:53	0.085	0.086	0.086
080	2013/04/17 09:29:53	0.086	0.087	0.087
081	2013/04/17 09:30:53	0.087	0.089	0.088
082	2013/04/17 09:31:53	0.089	0.090	0.090
083	2013/04/17 09:32:53	0.091	0.095	0.095
084	2013/04/17 09:33:53	0.093	0.095	0.094

085	2013/04/17 09:34:53	0.093	0.095	0.093
086	2013/04/17 09:35:53	0.092	0.094	0.092
087	2013/04/17 09:36:53	0.092	0.094	0.094
088	2013/04/17 09:37:53	0.258	1.265	0.135
089	2013/04/17 09:38:53	0.117	0.136	0.108
090	2013/04/17 09:39:53	0.105	0.108	0.103
091	2013/04/17 09:40:53	0.103	0.106	0.103
092	2013/04/17 09:41:53	0.101	0.104	0.101
093	2013/04/17 09:42:53	0.101	0.102	0.102
094	2013/04/17 09:43:53	0.102	0.104	0.102
095	2013/04/17 09:44:53	0.103	0.106	0.105
096	2013/04/17 09:45:53	0.102	0.106	0.105
097	2013/04/17 09:46:53	0.101	0.103	0.102
098	2013/04/17 09:47:53	0.101	0.103	0.101
099	2013/04/17 09:48:53	0.102	0.103	0.103
100	2013/04/17 09:49:53	0.101	0.103	0.102
101	2013/04/17 09:50:53	0.102	0.104	0.102
102	2013/04/17 09:51:53	0.103	0.105	0.104
103	2013/04/17 09:52:53	0.103	0.104	0.104
104	2013/04/17 09:53:53	0.104	0.105	0.105
105	2013/04/17 09:54:53	0.105	0.107	0.105
106	2013/04/17 09:55:53	0.104	0.105	0.104
107	2013/04/17 09:56:53	0.105	0.106	0.105
108	2013/04/17 09:57:53	0.105	0.106	0.105
109	2013/04/17 09:58:53	0.105	0.107	0.107
110	2013/04/17 09:59:53	0.106	0.107	0.107
111	2013/04/17 10:00:53	0.107	0.108	0.108
112	2013/04/17 10:01:53	0.107	0.108	0.107
113	2013/04/17 10:02:53	0.107	0.108	0.107
114	2013/04/17 10:03:53	0.107	0.109	0.109
115	2013/04/17 10:04:53	0.109	0.110	0.110
116	2013/04/17 10:05:53	0.108	0.110	0.108
117	2013/04/17 10:06:53	0.110	0.113	0.112
118	2013/04/17 10:07:53	0.114	0.130	0.110
119	2013/04/17 10:08:53	0.110	0.111	0.110
120	2013/04/17 10:09:53	0.111	0.112	0.112
121	2013/04/17 10:10:53	0.112	0.114	0.113
122	2013/04/17 10:11:53	0.112	0.114	0.113
123	2013/04/17 10:12:53	0.113	0.115	0.114
124	2013/04/17 10:13:53	0.113	0.114	0.113
125	2013/04/17 10:14:53	0.113	0.114	0.113
126	2013/04/17 10:15:53	0.113	0.116	0.115
127	2013/04/17 10:16:53	0.115	0.117	0.117
128	2013/04/17 10:17:53	0.115	0.117	0.116
129	2013/04/17 10:18:53	0.117	0.119	0.117
130	2013/04/17 10:19:53	0.116	0.119	0.116
131	2013/04/17 10:20:53	0.116	0.117	0.117
132	2013/04/17 10:21:53	0.118	0.120	0.120
133	2013/04/17 10:22:53	0.119	0.122	0.119
134	2013/04/17 10:23:53	0.121	0.126	0.120
135	2013/04/17 10:24:53	0.120	0.121	0.121
136	2013/04/17 10:25:53	0.121	0.123	0.122
137	2013/04/17 10:26:53	0.122	0.125	0.122
138	2013/04/17 10:27:53	0.122	0.124	0.122
139	2013/04/17 10:28:53	0.123	0.125	0.124
140	2013/04/17 10:29:53	0.122	0.126	0.126
141	2013/04/17 10:30:53	0.123	0.126	0.124
142	2013/04/17 10:31:53	0.125	0.127	0.126
143	2013/04/17 10:32:53	0.126	0.128	0.126
144	2013/04/17 10:33:53	0.126	0.129	0.127
145	2013/04/17 10:34:53	0.126	0.128	0.126
146	2013/04/17 10:35:53	0.127	0.129	0.128
147	2013/04/17 10:36:53	0.129	0.132	0.130

148	2013/04/17 10:37:53	0.129	0.131	0.129
149	2013/04/17 10:38:53	0.127	0.130	0.128
150	2013/04/17 10:39:53	0.128	0.130	0.129
151	2013/04/17 10:40:53	0.130	0.133	0.131
152	2013/04/17 10:41:53	0.129	0.131	0.130
153	2013/04/17 10:42:53	0.128	0.129	0.127
154	2013/04/17 10:43:53	0.128	0.130	0.129
155	2013/04/17 10:44:53	0.128	0.129	0.129
156	2013/04/17 10:45:53	0.127	0.129	0.127
157	2013/04/17 10:46:53	0.128	0.130	0.129
158	2013/04/17 10:47:53	0.128	0.130	0.128
159	2013/04/17 10:48:53	0.128	0.129	0.128
160	2013/04/17 10:49:53	0.127	0.129	0.128
161	2013/04/17 10:50:53	0.127	0.129	0.127
162	2013/04/17 10:51:53	0.127	0.129	0.128
163	2013/04/17 10:52:53	0.127	0.129	0.126
164	2013/04/17 10:53:53	0.126	0.128	0.126
165	2013/04/17 10:54:53	0.126	0.128	0.128
166	2013/04/17 10:55:53	0.127	0.129	0.126
167	2013/04/17 10:56:53	0.125	0.128	0.126
168	2013/04/17 10:57:53	0.126	0.128	0.127
169	2013/04/17 10:58:53	0.126	0.128	0.128
170	2013/04/17 10:59:53	0.126	0.129	0.126
171	2013/04/17 11:00:53	0.127	0.129	0.127
172	2013/04/17 11:01:53	0.127	0.129	0.127
173	2013/04/17 11:02:53	0.127	0.129	0.129
174	2013/04/17 11:03:53	0.128	0.130	0.127
175	2013/04/17 11:04:53	0.126	0.128	0.127
176	2013/04/17 11:05:53	0.128	0.131	0.129
177	2013/04/17 11:06:53	0.128	0.130	0.129
178	2013/04/17 11:07:53	0.129	0.131	0.129
179	2013/04/17 11:08:53	0.129	0.131	0.131
180	2013/04/17 11:09:53	0.129	0.131	0.130
181	2013/04/17 11:10:53	0.129	0.131	0.130
182	2013/04/17 11:11:53	0.129	0.130	0.129
183	2013/04/17 11:12:53	0.130	0.132	0.131
184	2013/04/17 11:13:53	0.131	0.133	0.131
185	2013/04/17 11:14:53	0.132	0.133	0.132
186	2013/04/17 11:15:53	0.130	0.132	0.131
187	2013/04/17 11:16:53	0.131	0.133	0.131
188	2013/04/17 11:17:53	0.131	0.133	0.133
189	2013/04/17 11:18:53	0.131	0.133	0.132
190	2013/04/17 11:19:53	0.131	0.132	0.132
191	2013/04/17 11:20:53	0.132	0.133	0.133
192	2013/04/17 11:21:53	0.132	0.134	0.133
193	2013/04/17 11:22:53	0.132	0.134	0.133
194	2013/04/17 11:23:53	0.134	0.138	0.135
195	2013/04/17 11:24:53	0.134	0.137	0.134
196	2013/04/17 11:25:53	0.133	0.135	0.134
197	2013/04/17 11:26:53	0.134	0.135	0.134
198	2013/04/17 11:27:53	0.137	0.145	0.136
199	2013/04/17 11:28:53	0.135	0.143	0.142
200	2013/04/17 11:29:53	0.138	0.141	0.138
201	2013/04/17 11:30:53	0.136	0.138	0.136
202	2013/04/17 11:31:53	0.136	0.139	0.138
203	2013/04/17 11:32:53	0.137	0.139	0.137
204	2013/04/17 11:33:53	0.136	0.138	0.138
205	2013/04/17 11:34:53	0.138	0.140	0.137
206	2013/04/17 11:35:53	0.138	0.139	0.138
207	2013/04/17 11:36:53	0.139	0.142	0.138
208	2013/04/17 11:37:53	0.139	0.140	0.140
209	2013/04/17 11:38:53	0.139	0.140	0.139
210	2013/04/17 11:39:53	0.139	0.140	0.140

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212	2013/04/17 11:41:53	0.141	0.143	0.142
213	2013/04/17 11:42:53	0.141	0.144	0.144
214	2013/04/17 11:43:53	0.142	0.144	0.141
215	2013/04/17 11:44:53	0.141	0.142	0.141
216	2013/04/17 11:45:53	0.140	0.141	0.141
217	2013/04/17 11:46:53	0.141	0.143	0.142
218	2013/04/17 11:47:53	0.141	0.142	0.142
219	2013/04/17 11:48:53	0.142	0.143	0.142
220	2013/04/17 11:49:53	0.142	0.145	0.143
221	2013/04/17 11:50:53	0.143	0.145	0.143
222	2013/04/17 11:51:53	0.141	0.143	0.143
223	2013/04/17 11:52:53	0.150	0.216	0.143
224	2013/04/17 11:53:53	0.142	0.144	0.144
225	2013/04/17 11:54:53	0.144	0.146	0.146
226	2013/04/17 11:55:53	0.145	0.149	0.145
227	2013/04/17 11:56:53	0.145	0.150	0.146
228	2013/04/17 11:57:53	0.146	0.148	0.145
229	2013/04/17 11:58:53	0.145	0.148	0.147
230	2013/04/17 11:59:53	0.146	0.148	0.146
231	2013/04/17 12:00:53	0.146	0.147	0.147
232	2013/04/17 12:01:53	0.150	0.164	0.161
233	2013/04/17 12:02:53	0.152	0.164	0.148
234	2013/04/17 12:03:53	0.148	0.151	0.151
235	2013/04/17 12:04:53	0.149	0.151	0.149
236	2013/04/17 12:05:53	0.147	0.149	0.147
237	2013/04/17 12:06:53	0.146	0.147	0.147
238	2013/04/17 12:07:53	0.147	0.148	0.148
239	2013/04/17 12:08:53	0.152	0.168	0.149
240	2013/04/17 12:09:53	0.147	0.149	0.148
241	2013/04/17 12:10:53	0.147	0.150	0.150
242	2013/04/17 12:11:53	0.149	0.150	0.150
243	2013/04/17 12:12:53	0.149	0.152	0.149
244	2013/04/17 12:13:53	0.149	0.151	0.150
245	2013/04/17 12:14:53	0.151	0.154	0.151
246	2013/04/17 12:15:53	0.152	0.153	0.152
247	2013/04/17 12:16:53	0.153	0.154	0.154
248	2013/04/17 12:17:53	0.154	0.159	0.152
249	2013/04/17 12:18:53	0.156	0.164	0.156
250	2013/04/17 12:19:53	0.159	0.166	0.158
251	2013/04/17 12:20:53	0.161	0.172	0.156
252	2013/04/17 12:21:53	0.154	0.156	0.154
253	2013/04/17 12:22:53	0.156	0.157	0.156
254	2013/04/17 12:23:53	0.157	0.161	0.155
255	2013/04/17 12:24:53	0.152	0.155	0.152
256	2013/04/17 12:25:53	0.153	0.155	0.153
257	2013/04/17 12:26:53	0.153	0.158	0.151
258	2013/04/17 12:27:53	0.152	0.153	0.152
259	2013/04/17 12:28:53	0.151	0.156	0.156
260	2013/04/17 12:29:53	0.150	0.156	0.150
261	2013/04/17 12:30:53	0.152	0.160	0.158
262	2013/04/17 12:31:53	0.147	0.157	0.148
263	2013/04/17 12:32:53	0.146	0.148	0.146
264	2013/04/17 12:33:53	0.145	0.146	0.145
265	2013/04/17 12:34:53	0.143	0.145	0.142
266	2013/04/17 12:35:53	0.143	0.155	0.153
267	2013/04/17 12:36:53	0.143	0.154	0.141
268	2013/04/17 12:37:53	0.139	0.145	0.145
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271	2013/04/17 12:40:53	0.141	0.154	0.144
272	2013/04/17 12:41:53	0.136	0.143	0.134
273	2013/04/17 12:42:53	0.132	0.135	0.131

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276	2013/04/17 12:45:53	0.130	0.140	0.129
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279	2013/04/17 12:48:53	0.128	0.138	0.125
280	2013/04/17 12:49:53	0.125	0.130	0.126
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286	2013/04/17 12:55:53	0.130	0.137	0.130
287	2013/04/17 12:56:53	0.126	0.133	0.128
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290	2013/04/17 12:59:53	0.129	0.135	0.129
291	2013/04/17 13:00:53	0.132	0.139	0.136
292	2013/04/17 13:01:53	0.131	0.137	0.131
293	2013/04/17 13:02:53	0.129	0.134	0.129
294	2013/04/17 13:03:53	0.130	0.132	0.132
295	2013/04/17 13:04:53	0.133	0.137	0.132
296	2013/04/17 13:05:53	0.135	0.139	0.133
297	2013/04/17 13:06:53	0.129	0.133	0.130
298	2013/04/17 13:07:53	0.131	0.132	0.132
299	2013/04/17 13:08:53	0.132	0.133	0.132
300	2013/04/17 13:09:53	0.132	0.133	0.133
301	2013/04/17 13:10:53	0.134	0.137	0.135
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303	2013/04/17 13:12:53	0.135	0.138	0.137
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306	2013/04/17 13:15:53	0.133	0.140	0.129
307	2013/04/17 13:16:53	0.131	0.135	0.132
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309	2013/04/17 13:18:53	0.132	0.136	0.132
310	2013/04/17 13:19:53	0.132	0.138	0.130
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318	2013/04/17 13:27:53	0.138	0.149	0.134
319	2013/04/17 13:28:53	0.134	0.135	0.133
320	2013/04/17 13:29:53	0.134	0.135	0.135
321	2013/04/17 13:30:53	0.135	0.137	0.135
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323	2013/04/17 13:32:53	0.139	0.141	0.140
324	2013/04/17 13:33:53	0.140	0.141	0.140
325	2013/04/17 13:34:53	0.144	0.154	0.144
326	2013/04/17 13:35:53	0.142	0.153	0.142
327	2013/04/17 13:36:53	0.143	0.148	0.146
328	2013/04/17 13:37:53	0.145	0.147	0.146
329	2013/04/17 13:38:53	0.151	0.167	0.167
330	2013/04/17 13:39:53	0.155	0.166	0.151
331	2013/04/17 13:40:53	0.151	0.152	0.151
332	2013/04/17 13:41:53	0.151	0.153	0.152
333	2013/04/17 13:42:53	0.152	0.160	0.160
334	2013/04/17 13:43:53	0.153	0.160	0.153
335	2013/04/17 13:44:53	0.152	0.153	0.153
336	2013/04/17 13:45:53	0.153	0.154	0.154

337	2013/04/17 13:46:53	0.154	0.155	0.154
338	2013/04/17 13:47:53	0.155	0.156	0.156
339	2013/04/17 13:48:53	0.156	0.157	0.157
340	2013/04/17 13:49:53	0.157	0.158	0.157
341	2013/04/17 13:50:53	0.157	0.159	0.158
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344	2013/04/17 13:53:53	0.161	0.162	0.162
345	2013/04/17 13:54:53	0.162	0.164	0.163
346	2013/04/17 13:55:53	0.164	0.167	0.167
347	2013/04/17 13:56:53	0.166	0.171	0.166
348	2013/04/17 13:57:53	0.163	0.166	0.164
349	2013/04/17 13:58:53	0.164	0.170	0.165
350	2013/04/17 13:59:53	0.166	0.168	0.168
351	2013/04/17 14:00:53	0.168	0.169	0.168
352	2013/04/17 14:01:53	0.167	0.169	0.168
353	2013/04/17 14:02:53	0.168	0.169	0.169
354	2013/04/17 14:03:53	0.169	0.171	0.171
355	2013/04/17 14:04:53	0.171	0.174	0.171
356	2013/04/17 14:05:53	0.171	0.173	0.170
357	2013/04/17 14:06:53	0.173	0.176	0.172
358	2013/04/17 14:07:53	0.172	0.175	0.174
359	2013/04/17 14:08:53	0.172	0.174	0.172
360	2013/04/17 14:09:53	0.173	0.179	0.176
361	2013/04/17 14:10:53	0.171	0.176	0.172
362	2013/04/17 14:11:53	0.173	0.178	0.171
363	2013/04/17 14:12:53	0.172	0.174	0.173
364	2013/04/17 14:13:53	0.173	0.177	0.172
365	2013/04/17 14:14:53	0.172	0.174	0.171
366	2013/04/17 14:15:53	0.170	0.171	0.169
367	2013/04/17 14:16:53	0.170	0.172	0.172
368	2013/04/17 14:17:53	0.169	0.173	0.169
369	2013/04/17 14:18:53	0.167	0.171	0.165
370	2013/04/17 14:19:53	0.165	0.166	0.166
371	2013/04/17 14:20:53	0.166	0.167	0.167
372	2013/04/17 14:21:53	0.167	0.172	0.168
373	2013/04/17 14:22:53	0.165	0.167	0.166
374	2013/04/17 14:23:53	0.166	0.173	0.164
375	2013/04/17 14:24:53	0.165	0.167	0.167
376	2013/04/17 14:25:53	0.167	0.168	0.168
377	2013/04/17 14:26:53	0.168	0.169	0.169
378	2013/04/17 14:27:53	0.169	0.171	0.171
379	2013/04/17 14:28:53	0.171	0.173	0.172
380	2013/04/17 14:29:53	0.172	0.188	0.172
381	2013/04/17 14:30:53	0.171	0.174	0.173
382	2013/04/17 14:31:53	0.174	0.177	0.175
383	2013/04/17 14:32:53	0.176	0.178	0.178
384	2013/04/17 14:33:53	0.177	0.178	0.177
385	2013/04/17 14:34:53	0.177	0.179	0.179
386	2013/04/17 14:35:53	0.179	0.184	0.178
387	2013/04/17 14:36:53	0.178	0.183	0.178
388	2013/04/17 14:37:53	0.178	0.180	0.180
389	2013/04/17 14:38:53	0.179	0.189	0.189
390	2013/04/17 14:39:53	0.183	0.192	0.178
391	2013/04/17 14:40:53	0.179	0.183	0.180
392	2013/04/17 14:41:53	0.179	0.182	0.178
393	2013/04/17 14:42:53	0.177	0.178	0.178
394	2013/04/17 14:43:53	0.179	0.180	0.180
395	2013/04/17 14:44:53	0.180	0.183	0.180
396	2013/04/17 14:45:53	0.180	0.181	0.181
397	2013/04/17 14:46:53	0.181	0.182	0.182
398	2013/04/17 14:47:53	0.183	0.217	0.217
399	2013/04/17 14:48:53	0.224	0.308	0.191

400	2013/04/17 14:49:53	0.188	0.201	0.186
401	2013/04/17 14:50:53	0.186	0.188	0.187
402	2013/04/17 14:51:53	0.186	0.188	0.188
403	2013/04/17 14:52:53	0.189	0.204	0.183
404	2013/04/17 14:53:53	0.187	0.193	0.191
405	2013/04/17 14:54:53	0.190	0.191	0.191
406	2013/04/17 14:55:53	0.190	0.192	0.190
407	2013/04/17 14:56:53	0.189	0.198	0.188
408	2013/04/17 14:57:53	0.190	0.193	0.193
409	2013/04/17 14:58:53	0.193	0.196	0.196
410	2013/04/17 14:59:53	0.194	0.196	0.194
411	2013/04/17 15:00:53	0.192	0.194	0.193
412	2013/04/17 15:01:53	0.192	0.193	0.192
413	2013/04/17 15:02:53	0.192	0.193	0.192
414	2013/04/17 15:03:53	0.192	0.193	0.192
415	2013/04/17 15:04:53	0.192	0.193	0.191
416	2013/04/17 15:05:53	0.192	0.197	0.196
417	2013/04/17 15:06:53	0.191	0.195	0.190
418	2013/04/17 15:07:53	0.190	0.191	0.191
419	2013/04/17 15:08:53	0.190	0.193	0.191
420	2013/04/17 15:09:53	0.190	0.192	0.190
421	2013/04/17 15:10:53	0.189	0.193	0.189
422	2013/04/17 15:11:53	0.189	0.191	0.190
423	2013/04/17 15:12:53	0.193	0.205	0.194
424	2013/04/17 15:13:53	0.190	0.193	0.189
425	2013/04/17 15:14:53	0.187	0.190	0.188
426	2013/04/17 15:15:53	0.188	0.189	0.188
427	2013/04/17 15:16:53	0.188	0.190	0.190
428	2013/04/17 15:17:53	0.190	0.192	0.190
429	2013/04/17 15:18:53	0.191	0.193	0.192
430	2013/04/17 15:19:53	0.192	0.193	0.193
431	2013/04/17 15:20:53	0.193	0.195	0.195
432	2013/04/17 15:21:53	0.195	0.196	0.196
433	2013/04/17 15:22:53	0.196	0.200	0.196
434	2013/04/17 15:23:53	0.198	0.203	0.195
435	2013/04/17 15:24:53	0.197	0.200	0.198
436	2013/04/17 15:25:53	0.206	0.227	0.210
437	2013/04/17 15:26:53	0.204	0.211	0.201
438	2013/04/17 15:27:53	0.201	0.204	0.202
439	2013/04/17 15:28:53	0.199	0.203	0.198
440	2013/04/17 15:29:53	0.199	0.203	0.203
441	2013/04/17 15:30:53	0.198	0.203	0.199
442	2013/04/17 15:31:53	0.197	0.200	0.197
443	2013/04/17 15:32:53	0.198	0.204	0.198
444	2013/04/17 15:33:53	0.195	0.198	0.197
445	2013/04/17 15:34:53	0.197	0.203	0.197
446	2013/04/17 15:35:53	0.196	0.211	0.196
447	2013/04/17 15:36:53	0.195	0.197	0.195
448	2013/04/17 15:37:53	0.194	0.198	0.192
449	2013/04/17 15:38:53	0.192	0.209	0.190
450	2013/04/17 15:39:53	0.191	0.195	0.192
451	2013/04/17 15:40:53	0.191	0.194	0.190
452	2013/04/17 15:41:53	0.190	0.192	0.190
453	2013/04/17 15:42:53	0.193	0.201	0.201
454	2013/04/17 15:43:53	0.195	0.202	0.190
455	2013/04/17 15:44:53	0.191	0.195	0.193
456	2013/04/17 15:45:53	0.192	0.197	0.192
457	2013/04/17 15:46:53	0.192	0.193	0.193
458	2013/04/17 15:47:53	0.192	0.194	0.192
459	2013/04/17 15:48:53	0.194	0.201	0.199
460	2013/04/17 15:49:53	0.191	0.198	0.193
461	2013/04/17 15:50:53	0.192	0.195	0.192
462	2013/04/17 15:51:53	0.193	0.196	0.194

463	2013/04/17 15:52:53	0.193	0.194	0.193
464	2013/04/17 15:53:53	0.193	0.194	0.193
465	2013/04/17 15:54:53	0.192	0.196	0.192
466	2013/04/17 15:55:53	0.194	0.201	0.201
467	2013/04/17 15:56:53	0.194	0.200	0.195
468	2013/04/17 15:57:53	0.196	0.210	0.196
469	2013/04/17 15:58:53	0.195	0.197	0.197
470	2013/04/17 15:59:53	0.197	0.199	0.198
471	2013/04/17 16:00:53	0.197	0.198	0.197
472	2013/04/17 16:01:53	0.198	0.200	0.200
473	2013/04/17 16:02:53	0.200	0.201	0.200
474	2013/04/17 16:03:53	0.202	0.208	0.204
475	2013/04/17 16:04:53	0.202	0.205	0.203
476	2013/04/17 16:05:53	0.204	0.206	0.206
477	2013/04/17 16:06:53	0.207	0.210	0.210
478	2013/04/17 16:07:53	0.248	0.429	0.219
479	2013/04/17 16:08:53	0.215	0.236	0.213
480	2013/04/17 16:09:53	0.213	0.217	0.217
481	2013/04/17 16:10:53	0.217	0.223	0.216
482	2013/04/17 16:11:53	0.216	0.219	0.219
483	2013/04/17 16:12:53	0.221	0.227	0.227
484	2013/04/17 16:13:53	0.225	0.229	0.225
485	2013/04/17 16:14:53	0.228	0.237	0.234
486	2013/04/17 16:15:53	0.227	0.233	0.229
487	2013/04/17 16:16:53	0.227	0.230	0.225
488	2013/04/17 16:17:53	0.234	0.283	0.237
489	2013/04/17 16:18:53	0.225	0.233	0.224
490	2013/04/17 16:19:53	0.223	0.226	0.226
491	2013/04/17 16:20:53	0.225	0.231	0.222
492	2013/04/17 16:21:53	0.222	0.226	0.220
493	2013/04/17 16:22:53	0.218	0.221	0.218
494	2013/04/17 16:23:53	0.217	0.219	0.218
495	2013/04/17 16:24:53	0.218	0.224	0.218
496	2013/04/17 16:25:53	0.215	0.217	0.213
497	2013/04/17 16:26:53	0.214	0.219	0.219
498	2013/04/17 16:27:53	0.211	0.218	0.208
499	2013/04/17 16:28:53	0.208	0.210	0.209
500	2013/04/17 16:29:53	0.208	0.211	0.210
501	2013/04/17 16:30:53	0.207	0.210	0.206
502	2013/04/17 16:31:53	0.207	0.208	0.208
503	2013/04/17 16:32:53	0.207	0.208	0.207
504	2013/04/17 16:33:53	0.207	0.207	0.207
505	2013/04/17 16:34:53	0.207	0.208	0.207
506	2013/04/17 16:35:53	0.207	0.209	0.208
507	2013/04/17 16:36:53	0.208	0.209	0.209
508	2013/04/17 16:37:53	0.209	0.211	0.211
509	2013/04/17 16:38:53	0.209	0.211	0.209
510	2013/04/17 16:39:53	0.210	0.211	0.211
511	2013/04/17 16:40:53	0.213	0.231	0.213
512	2013/04/17 16:41:53	0.209	0.213	0.211
513	2013/04/17 16:42:53	0.215	0.226	0.222
514	2013/04/17 16:43:53	0.214	0.221	0.214
515	2013/04/17 16:44:53	0.215	0.222	0.213
516	2013/04/17 16:45:53	0.216	0.220	0.216
517	2013/04/17 16:46:53	0.216	0.217	0.216
518	2013/04/17 16:47:53	0.216	0.220	0.218
519	2013/04/17 16:48:53	0.216	0.221	0.221
520	2013/04/17 16:49:53	0.215	0.226	0.217
Peak		0.258	1.265	0.237
Min		0.017	0.022	0.016
Average		0.141	0.147	0.141

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/04/17	08:10:53	0.000	---
002	2013/04/17	08:11:53	0.000	---
003	2013/04/17	08:12:53	0.000	---
004	2013/04/17	08:13:53	0.000	---
005	2013/04/17	08:14:53	0.000	---
006	2013/04/17	08:15:53	0.000	---
007	2013/04/17	08:16:53	0.000	---
008	2013/04/17	08:17:53	0.000	---
009	2013/04/17	08:18:53	0.000	---
010	2013/04/17	08:19:53	0.000	---
011	2013/04/17	08:20:53	0.001	---
012	2013/04/17	08:21:53	0.001	---
013	2013/04/17	08:22:53	0.001	---
014	2013/04/17	08:23:53	0.001	---
015	2013/04/17	08:24:53	0.001	0.028
016	2013/04/17	08:25:53	0.001	0.030
017	2013/04/17	08:26:53	0.001	0.031
018	2013/04/17	08:27:53	0.001	0.033
019	2013/04/17	08:28:53	0.001	0.034
020	2013/04/17	08:29:53	0.001	0.036
021	2013/04/17	08:30:53	0.001	0.037
022	2013/04/17	08:31:53	0.002	0.039
023	2013/04/17	08:32:53	0.002	0.041
024	2013/04/17	08:33:53	0.002	0.042
025	2013/04/17	08:34:53	0.002	0.044
026	2013/04/17	08:35:53	0.002	0.044
027	2013/04/17	08:36:53	0.002	0.045
028	2013/04/17	08:37:53	0.002	0.047
029	2013/04/17	08:38:53	0.002	0.048
030	2013/04/17	08:39:53	0.002	0.050
031	2013/04/17	08:40:53	0.003	0.051
032	2013/04/17	08:41:53	0.003	0.052
033	2013/04/17	08:42:53	0.003	0.053
034	2013/04/17	08:43:53	0.003	0.054
035	2013/04/17	08:44:53	0.003	0.055
036	2013/04/17	08:45:53	0.003	0.056
037	2013/04/17	08:46:53	0.003	0.057
038	2013/04/17	08:47:53	0.003	0.057
039	2013/04/17	08:48:53	0.004	0.058
040	2013/04/17	08:49:53	0.004	0.059
041	2013/04/17	08:50:53	0.004	0.059
042	2013/04/17	08:51:53	0.004	0.060
043	2013/04/17	08:52:53	0.004	0.060
044	2013/04/17	08:53:53	0.004	0.060
045	2013/04/17	08:54:53	0.004	0.061
046	2013/04/17	08:55:53	0.004	0.061
047	2013/04/17	08:56:53	0.005	0.062
048	2013/04/17	08:57:53	0.005	0.062
049	2013/04/17	08:58:53	0.005	0.063
050	2013/04/17	08:59:53	0.005	0.063
051	2013/04/17	09:00:53	0.005	0.064
052	2013/04/17	09:01:53	0.005	0.064
053	2013/04/17	09:02:53	0.005	0.064
054	2013/04/17	09:03:53	0.006	0.065
055	2013/04/17	09:04:53	0.006	0.066
056	2013/04/17	09:05:53	0.006	0.066
057	2013/04/17	09:06:53	0.006	0.067
058	2013/04/17	09:07:53	0.006	0.068
059	2013/04/17	09:08:53	0.006	0.068
060	2013/04/17	09:09:53	0.006	0.069

061	2013/04/17 09:10:53	0.007	0.069
062	2013/04/17 09:11:53	0.007	0.070
063	2013/04/17 09:12:53	0.007	0.071
064	2013/04/17 09:13:53	0.007	0.071
065	2013/04/17 09:14:53	0.007	0.072
066	2013/04/17 09:15:53	0.007	0.073
067	2013/04/17 09:16:53	0.008	0.074
068	2013/04/17 09:17:53	0.008	0.074
069	2013/04/17 09:18:53	0.008	0.075
070	2013/04/17 09:19:53	0.008	0.076
071	2013/04/17 09:20:53	0.008	0.076
072	2013/04/17 09:21:53	0.008	0.077
073	2013/04/17 09:22:53	0.009	0.078
074	2013/04/17 09:23:53	0.009	0.078
075	2013/04/17 09:24:53	0.009	0.079
076	2013/04/17 09:25:53	0.009	0.080
077	2013/04/17 09:26:53	0.009	0.080
078	2013/04/17 09:27:53	0.009	0.081
079	2013/04/17 09:28:53	0.010	0.082
080	2013/04/17 09:29:53	0.010	0.082
081	2013/04/17 09:30:53	0.010	0.083
082	2013/04/17 09:31:53	0.010	0.084
083	2013/04/17 09:32:53	0.010	0.085
084	2013/04/17 09:33:53	0.011	0.086
085	2013/04/17 09:34:53	0.011	0.087
086	2013/04/17 09:35:53	0.011	0.087
087	2013/04/17 09:36:53	0.011	0.088
088	2013/04/17 09:37:53	0.011	0.092
089	2013/04/17 09:38:53	0.012	0.093
090	2013/04/17 09:39:53	0.012	0.095
091	2013/04/17 09:40:53	0.012	0.096
092	2013/04/17 09:41:53	0.012	0.097
093	2013/04/17 09:42:53	0.013	0.098
094	2013/04/17 09:43:53	0.013	0.099
095	2013/04/17 09:44:53	0.013	0.100
096	2013/04/17 09:45:53	0.013	0.101
097	2013/04/17 09:46:53	0.013	0.102
098	2013/04/17 09:47:53	0.014	0.103
099	2013/04/17 09:48:53	0.014	0.103
100	2013/04/17 09:49:53	0.014	0.104
101	2013/04/17 09:50:53	0.014	0.105
102	2013/04/17 09:51:53	0.014	0.105
103	2013/04/17 09:52:53	0.015	0.103
104	2013/04/17 09:53:53	0.015	0.103
105	2013/04/17 09:54:53	0.015	0.103
106	2013/04/17 09:55:53	0.015	0.103
107	2013/04/17 09:56:53	0.016	0.103
108	2013/04/17 09:57:53	0.016	0.104
109	2013/04/17 09:58:53	0.016	0.104
110	2013/04/17 09:59:53	0.016	0.104
111	2013/04/17 10:00:53	0.016	0.104
112	2013/04/17 10:01:53	0.017	0.105
113	2013/04/17 10:02:53	0.017	0.105
114	2013/04/17 10:03:53	0.017	0.105
115	2013/04/17 10:04:53	0.017	0.106
116	2013/04/17 10:05:53	0.018	0.106
117	2013/04/17 10:06:53	0.018	0.107
118	2013/04/17 10:07:53	0.018	0.107
119	2013/04/17 10:08:53	0.018	0.108
120	2013/04/17 10:09:53	0.019	0.108
121	2013/04/17 10:10:53	0.019	0.109
122	2013/04/17 10:11:53	0.019	0.109
123	2013/04/17 10:12:53	0.019	0.110

124	2013/04/17 10:13:53	0.019	0.110
125	2013/04/17 10:14:53	0.020	0.111
126	2013/04/17 10:15:53	0.020	0.111
127	2013/04/17 10:16:53	0.020	0.112
128	2013/04/17 10:17:53	0.020	0.112
129	2013/04/17 10:18:53	0.021	0.113
130	2013/04/17 10:19:53	0.021	0.113
131	2013/04/17 10:20:53	0.021	0.114
132	2013/04/17 10:21:53	0.021	0.114
133	2013/04/17 10:22:53	0.022	0.115
134	2013/04/17 10:23:53	0.022	0.116
135	2013/04/17 10:24:53	0.022	0.116
136	2013/04/17 10:25:53	0.022	0.117
137	2013/04/17 10:26:53	0.023	0.117
138	2013/04/17 10:27:53	0.023	0.118
139	2013/04/17 10:28:53	0.023	0.119
140	2013/04/17 10:29:53	0.023	0.120
141	2013/04/17 10:30:53	0.024	0.120
142	2013/04/17 10:31:53	0.024	0.121
143	2013/04/17 10:32:53	0.024	0.121
144	2013/04/17 10:33:53	0.024	0.122
145	2013/04/17 10:34:53	0.025	0.123
146	2013/04/17 10:35:53	0.025	0.124
147	2013/04/17 10:36:53	0.025	0.124
148	2013/04/17 10:37:53	0.026	0.125
149	2013/04/17 10:38:53	0.026	0.125
150	2013/04/17 10:39:53	0.026	0.126
151	2013/04/17 10:40:53	0.026	0.127
152	2013/04/17 10:41:53	0.027	0.127
153	2013/04/17 10:42:53	0.027	0.127
154	2013/04/17 10:43:53	0.027	0.128
155	2013/04/17 10:44:53	0.027	0.128
156	2013/04/17 10:45:53	0.028	0.128
157	2013/04/17 10:46:53	0.028	0.128
158	2013/04/17 10:47:53	0.028	0.128
159	2013/04/17 10:48:53	0.028	0.129
160	2013/04/17 10:49:53	0.029	0.129
161	2013/04/17 10:50:53	0.029	0.129
162	2013/04/17 10:51:53	0.029	0.128
163	2013/04/17 10:52:53	0.030	0.128
164	2013/04/17 10:53:53	0.030	0.128
165	2013/04/17 10:54:53	0.030	0.128
166	2013/04/17 10:55:53	0.030	0.128
167	2013/04/17 10:56:53	0.031	0.127
168	2013/04/17 10:57:53	0.031	0.127
169	2013/04/17 10:58:53	0.031	0.127
170	2013/04/17 10:59:53	0.031	0.127
171	2013/04/17 11:00:53	0.032	0.127
172	2013/04/17 11:01:53	0.032	0.127
173	2013/04/17 11:02:53	0.032	0.127
174	2013/04/17 11:03:53	0.032	0.127
175	2013/04/17 11:04:53	0.033	0.127
176	2013/04/17 11:05:53	0.033	0.127
177	2013/04/17 11:06:53	0.033	0.127
178	2013/04/17 11:07:53	0.034	0.127
179	2013/04/17 11:08:53	0.034	0.128
180	2013/04/17 11:09:53	0.034	0.128
181	2013/04/17 11:10:53	0.034	0.128
182	2013/04/17 11:11:53	0.035	0.128
183	2013/04/17 11:12:53	0.035	0.129
184	2013/04/17 11:13:53	0.035	0.129
185	2013/04/17 11:14:53	0.035	0.129
186	2013/04/17 11:15:53	0.036	0.129

187	2013/04/17 11:16:53	0.036	0.130
188	2013/04/17 11:17:53	0.036	0.130
189	2013/04/17 11:18:53	0.037	0.130
190	2013/04/17 11:19:53	0.037	0.131
191	2013/04/17 11:20:53	0.037	0.131
192	2013/04/17 11:21:53	0.037	0.131
193	2013/04/17 11:22:53	0.038	0.131
194	2013/04/17 11:23:53	0.038	0.132
195	2013/04/17 11:24:53	0.038	0.132
196	2013/04/17 11:25:53	0.038	0.132
197	2013/04/17 11:26:53	0.039	0.133
198	2013/04/17 11:27:53	0.039	0.133
199	2013/04/17 11:28:53	0.039	0.134
200	2013/04/17 11:29:53	0.040	0.134
201	2013/04/17 11:30:53	0.040	0.134
202	2013/04/17 11:31:53	0.040	0.135
203	2013/04/17 11:32:53	0.040	0.135
204	2013/04/17 11:33:53	0.041	0.136
205	2013/04/17 11:34:53	0.041	0.136
206	2013/04/17 11:35:53	0.041	0.136
207	2013/04/17 11:36:53	0.042	0.137
208	2013/04/17 11:37:53	0.042	0.137
209	2013/04/17 11:38:53	0.042	0.137
210	2013/04/17 11:39:53	0.043	0.138
211	2013/04/17 11:40:53	0.043	0.138
212	2013/04/17 11:41:53	0.043	0.139
213	2013/04/17 11:42:53	0.043	0.139
214	2013/04/17 11:43:53	0.044	0.139
215	2013/04/17 11:44:53	0.044	0.139
216	2013/04/17 11:45:53	0.044	0.140
217	2013/04/17 11:46:53	0.045	0.140
218	2013/04/17 11:47:53	0.045	0.140
219	2013/04/17 11:48:53	0.045	0.140
220	2013/04/17 11:49:53	0.045	0.141
221	2013/04/17 11:50:53	0.046	0.141
222	2013/04/17 11:51:53	0.046	0.142
223	2013/04/17 11:52:53	0.046	0.142
224	2013/04/17 11:53:53	0.047	0.142
225	2013/04/17 11:54:53	0.047	0.142
226	2013/04/17 11:55:53	0.047	0.143
227	2013/04/17 11:56:53	0.048	0.143
228	2013/04/17 11:57:53	0.048	0.143
229	2013/04/17 11:58:53	0.048	0.144
230	2013/04/17 11:59:53	0.048	0.144
231	2013/04/17 12:00:53	0.049	0.144
232	2013/04/17 12:01:53	0.049	0.146
233	2013/04/17 12:02:53	0.049	0.146
234	2013/04/17 12:03:53	0.050	0.147
235	2013/04/17 12:04:53	0.050	0.147
236	2013/04/17 12:05:53	0.050	0.147
237	2013/04/17 12:06:53	0.051	0.147
238	2013/04/17 12:07:53	0.051	0.148
239	2013/04/17 12:08:53	0.051	0.148
240	2013/04/17 12:09:53	0.052	0.148
241	2013/04/17 12:10:53	0.052	0.149
242	2013/04/17 12:11:53	0.052	0.149
243	2013/04/17 12:12:53	0.053	0.149
244	2013/04/17 12:13:53	0.053	0.149
245	2013/04/17 12:14:53	0.053	0.150
246	2013/04/17 12:15:53	0.053	0.150
247	2013/04/17 12:16:53	0.054	0.150
248	2013/04/17 12:17:53	0.054	0.150
249	2013/04/17 12:18:53	0.054	0.150

250	2013/04/17 12:19:53	0.055	0.151
251	2013/04/17 12:20:53	0.055	0.151
252	2013/04/17 12:21:53	0.055	0.152
253	2013/04/17 12:22:53	0.056	0.152
254	2013/04/17 12:23:53	0.056	0.153
255	2013/04/17 12:24:53	0.056	0.153
256	2013/04/17 12:25:53	0.057	0.153
257	2013/04/17 12:26:53	0.057	0.153
258	2013/04/17 12:27:53	0.057	0.153
259	2013/04/17 12:28:53	0.058	0.154
260	2013/04/17 12:29:53	0.058	0.154
261	2013/04/17 12:30:53	0.058	0.154
262	2013/04/17 12:31:53	0.059	0.154
263	2013/04/17 12:32:53	0.059	0.153
264	2013/04/17 12:33:53	0.059	0.153
265	2013/04/17 12:34:53	0.059	0.152
266	2013/04/17 12:35:53	0.060	0.151
267	2013/04/17 12:36:53	0.060	0.151
268	2013/04/17 12:37:53	0.060	0.150
269	2013/04/17 12:38:53	0.061	0.149
270	2013/04/17 12:39:53	0.061	0.147
271	2013/04/17 12:40:53	0.061	0.147
272	2013/04/17 12:41:53	0.062	0.146
273	2013/04/17 12:42:53	0.062	0.144
274	2013/04/17 12:43:53	0.062	0.143
275	2013/04/17 12:44:53	0.062	0.141
276	2013/04/17 12:45:53	0.063	0.139
277	2013/04/17 12:46:53	0.063	0.138
278	2013/04/17 12:47:53	0.063	0.137
279	2013/04/17 12:48:53	0.063	0.135
280	2013/04/17 12:49:53	0.064	0.134
281	2013/04/17 12:50:53	0.064	0.133
282	2013/04/17 12:51:53	0.064	0.132
283	2013/04/17 12:52:53	0.064	0.130
284	2013/04/17 12:53:53	0.065	0.130
285	2013/04/17 12:54:53	0.065	0.130
286	2013/04/17 12:55:53	0.065	0.129
287	2013/04/17 12:56:53	0.066	0.128
288	2013/04/17 12:57:53	0.066	0.128
289	2013/04/17 12:58:53	0.066	0.128
290	2013/04/17 12:59:53	0.066	0.128
291	2013/04/17 13:00:53	0.067	0.128
292	2013/04/17 13:01:53	0.067	0.129
293	2013/04/17 13:02:53	0.067	0.129
294	2013/04/17 13:03:53	0.067	0.129
295	2013/04/17 13:04:53	0.068	0.129
296	2013/04/17 13:05:53	0.068	0.130
297	2013/04/17 13:06:53	0.068	0.130
298	2013/04/17 13:07:53	0.069	0.130
299	2013/04/17 13:08:53	0.069	0.131
300	2013/04/17 13:09:53	0.069	0.131
301	2013/04/17 13:10:53	0.069	0.131
302	2013/04/17 13:11:53	0.070	0.132
303	2013/04/17 13:12:53	0.070	0.132
304	2013/04/17 13:13:53	0.070	0.133
305	2013/04/17 13:14:53	0.071	0.133
306	2013/04/17 13:15:53	0.071	0.132
307	2013/04/17 13:16:53	0.071	0.132
308	2013/04/17 13:17:53	0.071	0.132
309	2013/04/17 13:18:53	0.072	0.132
310	2013/04/17 13:19:53	0.072	0.132
311	2013/04/17 13:20:53	0.072	0.132
312	2013/04/17 13:21:53	0.072	0.132

313	2013/04/17 13:22:53	0.073	0.132
314	2013/04/17 13:23:53	0.073	0.132
315	2013/04/17 13:24:53	0.073	0.132
316	2013/04/17 13:25:53	0.074	0.132
317	2013/04/17 13:26:53	0.074	0.132
318	2013/04/17 13:27:53	0.074	0.131
319	2013/04/17 13:28:53	0.074	0.131
320	2013/04/17 13:29:53	0.075	0.132
321	2013/04/17 13:30:53	0.075	0.132
322	2013/04/17 13:31:53	0.075	0.132
323	2013/04/17 13:32:53	0.075	0.133
324	2013/04/17 13:33:53	0.076	0.134
325	2013/04/17 13:34:53	0.076	0.135
326	2013/04/17 13:35:53	0.076	0.135
327	2013/04/17 13:36:53	0.077	0.136
328	2013/04/17 13:37:53	0.077	0.137
329	2013/04/17 13:38:53	0.077	0.140
330	2013/04/17 13:39:53	0.078	0.141
331	2013/04/17 13:40:53	0.078	0.142
332	2013/04/17 13:41:53	0.078	0.144
333	2013/04/17 13:42:53	0.079	0.145
334	2013/04/17 13:43:53	0.079	0.147
335	2013/04/17 13:44:53	0.079	0.148
336	2013/04/17 13:45:53	0.080	0.149
337	2013/04/17 13:46:53	0.080	0.150
338	2013/04/17 13:47:53	0.080	0.151
339	2013/04/17 13:48:53	0.081	0.152
340	2013/04/17 13:49:53	0.081	0.153
341	2013/04/17 13:50:53	0.081	0.154
342	2013/04/17 13:51:53	0.082	0.155
343	2013/04/17 13:52:53	0.082	0.156
344	2013/04/17 13:53:53	0.082	0.156
345	2013/04/17 13:54:53	0.083	0.157
346	2013/04/17 13:55:53	0.083	0.158
347	2013/04/17 13:56:53	0.083	0.159
348	2013/04/17 13:57:53	0.084	0.159
349	2013/04/17 13:58:53	0.084	0.160
350	2013/04/17 13:59:53	0.084	0.161
351	2013/04/17 14:00:53	0.085	0.162
352	2013/04/17 14:01:53	0.085	0.163
353	2013/04/17 14:02:53	0.085	0.163
354	2013/04/17 14:03:53	0.086	0.164
355	2013/04/17 14:04:53	0.086	0.165
356	2013/04/17 14:05:53	0.086	0.166
357	2013/04/17 14:06:53	0.087	0.167
358	2013/04/17 14:07:53	0.087	0.168
359	2013/04/17 14:08:53	0.087	0.169
360	2013/04/17 14:09:53	0.088	0.169
361	2013/04/17 14:10:53	0.088	0.170
362	2013/04/17 14:11:53	0.089	0.170
363	2013/04/17 14:12:53	0.089	0.171
364	2013/04/17 14:13:53	0.089	0.171
365	2013/04/17 14:14:53	0.090	0.171
366	2013/04/17 14:15:53	0.090	0.171
367	2013/04/17 14:16:53	0.090	0.172
368	2013/04/17 14:17:53	0.091	0.172
369	2013/04/17 14:18:53	0.091	0.171
370	2013/04/17 14:19:53	0.091	0.171
371	2013/04/17 14:20:53	0.092	0.171
372	2013/04/17 14:21:53	0.092	0.170
373	2013/04/17 14:22:53	0.092	0.170
374	2013/04/17 14:23:53	0.093	0.169
375	2013/04/17 14:24:53	0.093	0.169

376	2013/04/17 14:25:53	0.093	0.169
377	2013/04/17 14:26:53	0.094	0.168
378	2013/04/17 14:27:53	0.094	0.168
379	2013/04/17 14:28:53	0.095	0.168
380	2013/04/17 14:29:53	0.095	0.168
381	2013/04/17 14:30:53	0.095	0.169
382	2013/04/17 14:31:53	0.096	0.169
383	2013/04/17 14:32:53	0.096	0.169
384	2013/04/17 14:33:53	0.096	0.170
385	2013/04/17 14:34:53	0.097	0.171
386	2013/04/17 14:35:53	0.097	0.172
387	2013/04/17 14:36:53	0.097	0.172
388	2013/04/17 14:37:53	0.098	0.173
389	2013/04/17 14:38:53	0.098	0.175
390	2013/04/17 14:39:53	0.099	0.176
391	2013/04/17 14:40:53	0.099	0.177
392	2013/04/17 14:41:53	0.099	0.177
393	2013/04/17 14:42:53	0.100	0.178
394	2013/04/17 14:43:53	0.100	0.178
395	2013/04/17 14:44:53	0.100	0.179
396	2013/04/17 14:45:53	0.101	0.179
397	2013/04/17 14:46:53	0.101	0.180
398	2013/04/17 14:47:53	0.102	0.182
399	2013/04/17 14:48:53	0.102	0.183
400	2013/04/17 14:49:53	0.102	0.184
401	2013/04/17 14:50:53	0.103	0.184
402	2013/04/17 14:51:53	0.103	0.185
403	2013/04/17 14:52:53	0.104	0.185
404	2013/04/17 14:53:53	0.104	0.185
405	2013/04/17 14:54:53	0.104	0.186
406	2013/04/17 14:55:53	0.105	0.187
407	2013/04/17 14:56:53	0.105	0.188
408	2013/04/17 14:57:53	0.106	0.189
409	2013/04/17 14:58:53	0.106	0.190
410	2013/04/17 14:59:53	0.106	0.191
411	2013/04/17 15:00:53	0.107	0.191
412	2013/04/17 15:01:53	0.107	0.192
413	2013/04/17 15:02:53	0.108	0.190
414	2013/04/17 15:03:53	0.108	0.190
415	2013/04/17 15:04:53	0.108	0.191
416	2013/04/17 15:05:53	0.109	0.191
417	2013/04/17 15:06:53	0.109	0.191
418	2013/04/17 15:07:53	0.110	0.192
419	2013/04/17 15:08:53	0.110	0.192
420	2013/04/17 15:09:53	0.110	0.192
421	2013/04/17 15:10:53	0.111	0.192
422	2013/04/17 15:11:53	0.111	0.192
423	2013/04/17 15:12:53	0.112	0.192
424	2013/04/17 15:13:53	0.112	0.192
425	2013/04/17 15:14:53	0.112	0.191
426	2013/04/17 15:15:53	0.113	0.191
427	2013/04/17 15:16:53	0.113	0.191
428	2013/04/17 15:17:53	0.114	0.191
429	2013/04/17 15:18:53	0.114	0.191
430	2013/04/17 15:19:53	0.114	0.191
431	2013/04/17 15:20:53	0.115	0.191
432	2013/04/17 15:21:53	0.115	0.191
433	2013/04/17 15:22:53	0.116	0.191
434	2013/04/17 15:23:53	0.116	0.192
435	2013/04/17 15:24:53	0.116	0.192
436	2013/04/17 15:25:53	0.117	0.194
437	2013/04/17 15:26:53	0.117	0.194
438	2013/04/17 15:27:53	0.118	0.195

439	2013/04/17 15:28:53	0.118	0.195
440	2013/04/17 15:29:53	0.119	0.196
441	2013/04/17 15:30:53	0.119	0.197
442	2013/04/17 15:31:53	0.119	0.198
443	2013/04/17 15:32:53	0.120	0.198
444	2013/04/17 15:33:53	0.120	0.199
445	2013/04/17 15:34:53	0.121	0.199
446	2013/04/17 15:35:53	0.121	0.199
447	2013/04/17 15:36:53	0.121	0.199
448	2013/04/17 15:37:53	0.122	0.199
449	2013/04/17 15:38:53	0.122	0.198
450	2013/04/17 15:39:53	0.123	0.198
451	2013/04/17 15:40:53	0.123	0.196
452	2013/04/17 15:41:53	0.123	0.196
453	2013/04/17 15:42:53	0.124	0.196
454	2013/04/17 15:43:53	0.124	0.195
455	2013/04/17 15:44:53	0.125	0.194
456	2013/04/17 15:45:53	0.125	0.194
457	2013/04/17 15:46:53	0.125	0.194
458	2013/04/17 15:47:53	0.126	0.193
459	2013/04/17 15:48:53	0.126	0.193
460	2013/04/17 15:49:53	0.127	0.193
461	2013/04/17 15:50:53	0.127	0.193
462	2013/04/17 15:51:53	0.127	0.193
463	2013/04/17 15:52:53	0.128	0.193
464	2013/04/17 15:53:53	0.128	0.193
465	2013/04/17 15:54:53	0.129	0.193
466	2013/04/17 15:55:53	0.129	0.194
467	2013/04/17 15:56:53	0.129	0.194
468	2013/04/17 15:57:53	0.130	0.194
469	2013/04/17 15:58:53	0.130	0.194
470	2013/04/17 15:59:53	0.131	0.195
471	2013/04/17 16:00:53	0.131	0.195
472	2013/04/17 16:01:53	0.132	0.195
473	2013/04/17 16:02:53	0.132	0.196
474	2013/04/17 16:03:53	0.132	0.196
475	2013/04/17 16:04:53	0.133	0.197
476	2013/04/17 16:05:53	0.133	0.198
477	2013/04/17 16:06:53	0.134	0.199
478	2013/04/17 16:07:53	0.134	0.201
479	2013/04/17 16:08:53	0.135	0.202
480	2013/04/17 16:09:53	0.135	0.204
481	2013/04/17 16:10:53	0.135	0.205
482	2013/04/17 16:11:53	0.136	0.206
483	2013/04/17 16:12:53	0.136	0.208
484	2013/04/17 16:13:53	0.137	0.210
485	2013/04/17 16:14:53	0.137	0.213
486	2013/04/17 16:15:53	0.138	0.215
487	2013/04/17 16:16:53	0.138	0.216
488	2013/04/17 16:17:53	0.139	0.219
489	2013/04/17 16:18:53	0.139	0.220
490	2013/04/17 16:19:53	0.140	0.222
491	2013/04/17 16:20:53	0.140	0.223
492	2013/04/17 16:21:53	0.141	0.224
493	2013/04/17 16:22:53	0.141	0.223
494	2013/04/17 16:23:53	0.142	0.224
495	2013/04/17 16:24:53	0.142	0.224
496	2013/04/17 16:25:53	0.142	0.224
497	2013/04/17 16:26:53	0.143	0.224
498	2013/04/17 16:27:53	0.143	0.222
499	2013/04/17 16:28:53	0.144	0.221
500	2013/04/17 16:29:53	0.144	0.220
501	2013/04/17 16:30:53	0.145	0.218

502	2013/04/17 16:31:53	0.145	0.217
503	2013/04/17 16:32:53	0.146	0.215
504	2013/04/17 16:33:53	0.146	0.214
505	2013/04/17 16:34:53	0.146	0.213
506	2013/04/17 16:35:53	0.147	0.212
507	2013/04/17 16:36:53	0.147	0.211
508	2013/04/17 16:37:53	0.148	0.211
509	2013/04/17 16:38:53	0.148	0.210
510	2013/04/17 16:39:53	0.149	0.209
511	2013/04/17 16:40:53	0.149	0.209
512	2013/04/17 16:41:53	0.149	0.209
513	2013/04/17 16:42:53	0.150	0.210
514	2013/04/17 16:43:53	0.150	0.210
515	2013/04/17 16:44:53	0.151	0.210
516	2013/04/17 16:45:53	0.151	0.211
517	2013/04/17 16:46:53	0.152	0.212
518	2013/04/17 16:47:53	0.152	0.212
519	2013/04/17 16:48:53	0.153	0.213
520	2013/04/17 16:49:53	0.153	0.214

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13/04/18 08:03

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-909117
Unit Firmware Ver	V1.10C

Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Manual
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2013/04/18 08:03:18
End	2013/04/18 17:46:51
Sample Period(s)	60
Number of Records	583

Sensor	VOC(ppm)
Span	100.000
Span 2	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2013/04/17 08:07
Peak	0.170
Min	0.022
Average	0.127

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/18 08:04:18	0.028	0.039	0.026
002	2013/04/18 08:05:18	0.024	0.028	0.022

003	2013/04/18	08:06:18	0.025	0.028	0.027
004	2013/04/18	08:07:18	0.026	0.030	0.026
005	2013/04/18	08:08:18	0.028	0.031	0.029
006	2013/04/18	08:09:18	0.029	0.033	0.030
007	2013/04/18	08:10:18	0.031	0.034	0.032
008	2013/04/18	08:11:18	0.032	0.035	0.033
009	2013/04/18	08:12:18	0.033	0.036	0.035
010	2013/04/18	08:13:18	0.035	0.038	0.037
011	2013/04/18	08:14:18	0.036	0.040	0.035
012	2013/04/18	08:15:18	0.038	0.041	0.041
013	2013/04/18	08:16:18	0.039	0.043	0.042
014	2013/04/18	08:17:18	0.041	0.045	0.040
015	2013/04/18	08:18:18	0.043	0.046	0.045
016	2013/04/18	08:19:18	0.044	0.047	0.045
017	2013/04/18	08:20:18	0.046	0.049	0.047
018	2013/04/18	08:21:18	0.047	0.051	0.047
019	2013/04/18	08:22:18	0.049	0.052	0.050
020	2013/04/18	08:23:18	0.051	0.054	0.053
021	2013/04/18	08:24:18	0.052	0.055	0.053
022	2013/04/18	08:25:18	0.054	0.057	0.055
023	2013/04/18	08:26:18	0.056	0.062	0.058
024	2013/04/18	08:27:18	0.057	0.060	0.060
025	2013/04/18	08:28:18	0.058	0.061	0.059
026	2013/04/18	08:29:18	0.059	0.062	0.061
027	2013/04/18	08:30:18	0.061	0.064	0.064
028	2013/04/18	08:31:18	0.062	0.065	0.063
029	2013/04/18	08:32:18	0.064	0.068	0.066
030	2013/04/18	08:33:18	0.065	0.068	0.063
031	2013/04/18	08:34:18	0.067	0.072	0.068
032	2013/04/18	08:35:18	0.068	0.071	0.068
033	2013/04/18	08:36:18	0.068	0.072	0.067
034	2013/04/18	08:37:18	0.070	0.074	0.069
035	2013/04/18	08:38:18	0.071	0.074	0.073
036	2013/04/18	08:39:18	0.072	0.075	0.073
037	2013/04/18	08:40:18	0.073	0.077	0.077
038	2013/04/18	08:41:18	0.075	0.078	0.077
039	2013/04/18	08:42:18	0.076	0.080	0.075
040	2013/04/18	08:43:18	0.078	0.080	0.078
041	2013/04/18	08:44:18	0.079	0.082	0.081
042	2013/04/18	08:45:18	0.080	0.083	0.082
043	2013/04/18	08:46:18	0.080	0.084	0.082
044	2013/04/18	08:47:18	0.082	0.085	0.080
045	2013/04/18	08:48:18	0.082	0.085	0.083
046	2013/04/18	08:49:18	0.083	0.086	0.083
047	2013/04/18	08:50:18	0.084	0.088	0.086
048	2013/04/18	08:51:18	0.086	0.090	0.087
049	2013/04/18	08:52:18	0.086	0.090	0.089
050	2013/04/18	08:53:18	0.087	0.090	0.090
051	2013/04/18	08:54:18	0.088	0.091	0.086
052	2013/04/18	08:55:18	0.089	0.092	0.091
053	2013/04/18	08:56:18	0.090	0.093	0.089
054	2013/04/18	08:57:18	0.090	0.094	0.093
055	2013/04/18	08:58:18	0.090	0.094	0.092
056	2013/04/18	08:59:18	0.092	0.101	0.090
057	2013/04/18	09:00:18	0.092	0.096	0.094
058	2013/04/18	09:01:18	0.093	0.096	0.093
059	2013/04/18	09:02:18	0.093	0.096	0.094
060	2013/04/18	09:03:18	0.094	0.097	0.097
061	2013/04/18	09:04:18	0.095	0.098	0.096
062	2013/04/18	09:05:18	0.105	0.186	0.095
063	2013/04/18	09:06:18	0.097	0.116	0.098
064	2013/04/18	09:07:18	0.096	0.099	0.097
065	2013/04/18	09:08:18	0.105	0.196	0.112

066	2013/04/18	09:09:18	0.097	0.107	0.098
067	2013/04/18	09:10:18	0.098	0.101	0.099
068	2013/04/18	09:11:18	0.098	0.101	0.098
069	2013/04/18	09:12:18	0.099	0.102	0.098
070	2013/04/18	09:13:18	0.099	0.102	0.100
071	2013/04/18	09:14:18	0.099	0.102	0.100
072	2013/04/18	09:15:18	0.101	0.103	0.102
073	2013/04/18	09:16:18	0.101	0.103	0.102
074	2013/04/18	09:17:18	0.113	0.141	0.106
075	2013/04/18	09:18:18	0.104	0.118	0.100
076	2013/04/18	09:19:18	0.100	0.104	0.104
077	2013/04/18	09:20:18	0.107	0.117	0.105
078	2013/04/18	09:21:18	0.107	0.124	0.109
079	2013/04/18	09:22:18	0.105	0.109	0.104
080	2013/04/18	09:23:18	0.109	0.146	0.104
081	2013/04/18	09:24:18	0.105	0.112	0.104
082	2013/04/18	09:25:18	0.105	0.112	0.107
083	2013/04/18	09:26:18	0.105	0.108	0.107
084	2013/04/18	09:27:18	0.105	0.110	0.103
085	2013/04/18	09:28:18	0.107	0.118	0.105
086	2013/04/18	09:29:18	0.109	0.129	0.106
087	2013/04/18	09:30:18	0.106	0.110	0.105
088	2013/04/18	09:31:18	0.107	0.110	0.108
089	2013/04/18	09:32:18	0.111	0.157	0.106
090	2013/04/18	09:33:18	0.108	0.117	0.109
091	2013/04/18	09:34:18	0.108	0.122	0.108
092	2013/04/18	09:35:18	0.108	0.112	0.111
093	2013/04/18	09:36:18	0.107	0.111	0.106
094	2013/04/18	09:37:18	0.109	0.120	0.110
095	2013/04/18	09:38:18	0.109	0.129	0.111
096	2013/04/18	09:39:18	0.110	0.136	0.108
097	2013/04/18	09:40:18	0.112	0.152	0.111
098	2013/04/18	09:41:18	0.109	0.113	0.107
099	2013/04/18	09:42:18	0.109	0.113	0.110
100	2013/04/18	09:43:18	0.109	0.113	0.109
101	2013/04/18	09:44:18	0.111	0.115	0.112
102	2013/04/18	09:45:18	0.112	0.121	0.113
103	2013/04/18	09:46:18	0.114	0.128	0.114
104	2013/04/18	09:47:18	0.111	0.115	0.110
105	2013/04/18	09:48:18	0.115	0.127	0.118
106	2013/04/18	09:49:18	0.114	0.139	0.111
107	2013/04/18	09:50:18	0.114	0.131	0.110
108	2013/04/18	09:51:18	0.112	0.117	0.114
109	2013/04/18	09:52:18	0.117	0.146	0.121
110	2013/04/18	09:53:18	0.114	0.127	0.113
111	2013/04/18	09:54:18	0.114	0.118	0.114
112	2013/04/18	09:55:18	0.115	0.119	0.118
113	2013/04/18	09:56:18	0.115	0.119	0.116
114	2013/04/18	09:57:18	0.115	0.119	0.117
115	2013/04/18	09:58:18	0.115	0.121	0.121
116	2013/04/18	09:59:18	0.117	0.129	0.123
117	2013/04/18	10:00:18	0.116	0.122	0.115
118	2013/04/18	10:01:18	0.118	0.127	0.117
119	2013/04/18	10:02:18	0.116	0.121	0.116
120	2013/04/18	10:03:18	0.117	0.122	0.117
121	2013/04/18	10:04:18	0.117	0.122	0.115
122	2013/04/18	10:05:18	0.117	0.122	0.119
123	2013/04/18	10:06:18	0.118	0.123	0.117
124	2013/04/18	10:07:18	0.118	0.123	0.120
125	2013/04/18	10:08:18	0.118	0.123	0.114
126	2013/04/18	10:09:18	0.118	0.123	0.121
127	2013/04/18	10:10:18	0.118	0.124	0.117
128	2013/04/18	10:11:18	0.118	0.124	0.119

129	2013/04/18	10:12:18	0.118	0.124	0.119
130	2013/04/18	10:13:18	0.119	0.125	0.125
131	2013/04/18	10:14:18	0.120	0.128	0.125
132	2013/04/18	10:15:18	0.120	0.127	0.124
133	2013/04/18	10:16:18	0.123	0.153	0.121
134	2013/04/18	10:17:18	0.122	0.126	0.121
135	2013/04/18	10:18:18	0.122	0.123	0.122
136	2013/04/18	10:19:18	0.121	0.126	0.126
137	2013/04/18	10:20:18	0.121	0.126	0.121
138	2013/04/18	10:21:18	0.120	0.122	0.122
139	2013/04/18	10:22:18	0.120	0.121	0.120
140	2013/04/18	10:23:18	0.125	0.144	0.119
141	2013/04/18	10:24:18	0.120	0.121	0.121
142	2013/04/18	10:25:18	0.121	0.127	0.126
143	2013/04/18	10:26:18	0.121	0.125	0.120
144	2013/04/18	10:27:18	0.120	0.121	0.121
145	2013/04/18	10:28:18	0.120	0.121	0.120
146	2013/04/18	10:29:18	0.120	0.121	0.121
147	2013/04/18	10:30:18	0.122	0.140	0.121
148	2013/04/18	10:31:18	0.120	0.134	0.119
149	2013/04/18	10:32:18	0.119	0.120	0.120
150	2013/04/18	10:33:18	0.121	0.138	0.120
151	2013/04/18	10:34:18	0.120	0.129	0.127
152	2013/04/18	10:35:18	0.120	0.126	0.120
153	2013/04/18	10:36:18	0.119	0.120	0.120
154	2013/04/18	10:37:18	0.119	0.120	0.119
155	2013/04/18	10:38:18	0.119	0.120	0.120
156	2013/04/18	10:39:18	0.120	0.122	0.121
157	2013/04/18	10:40:18	0.120	0.123	0.119
158	2013/04/18	10:41:18	0.120	0.120	0.120
159	2013/04/18	10:42:18	0.119	0.121	0.120
160	2013/04/18	10:43:18	0.121	0.130	0.120
161	2013/04/18	10:44:18	0.119	0.126	0.120
162	2013/04/18	10:45:18	0.119	0.120	0.120
163	2013/04/18	10:46:18	0.120	0.124	0.124
164	2013/04/18	10:47:18	0.122	0.139	0.119
165	2013/04/18	10:48:18	0.119	0.121	0.120
166	2013/04/18	10:49:18	0.120	0.122	0.121
167	2013/04/18	10:50:18	0.121	0.129	0.120
168	2013/04/18	10:51:18	0.120	0.121	0.121
169	2013/04/18	10:52:18	0.121	0.122	0.122
170	2013/04/18	10:53:18	0.122	0.134	0.121
171	2013/04/18	10:54:18	0.121	0.122	0.121
172	2013/04/18	10:55:18	0.127	0.157	0.122
173	2013/04/18	10:56:18	0.124	0.142	0.121
174	2013/04/18	10:57:18	0.120	0.123	0.123
175	2013/04/18	10:58:18	0.123	0.147	0.120
176	2013/04/18	10:59:18	0.120	0.121	0.121
177	2013/04/18	11:00:18	0.120	0.123	0.120
178	2013/04/18	11:01:18	0.120	0.121	0.120
179	2013/04/18	11:02:18	0.120	0.125	0.120
180	2013/04/18	11:03:18	0.124	0.149	0.120
181	2013/04/18	11:04:18	0.119	0.121	0.119
182	2013/04/18	11:05:18	0.122	0.141	0.120
183	2013/04/18	11:06:18	0.119	0.120	0.120
184	2013/04/18	11:07:18	0.121	0.138	0.126
185	2013/04/18	11:08:18	0.120	0.127	0.120
186	2013/04/18	11:09:18	0.120	0.126	0.125
187	2013/04/18	11:10:18	0.119	0.123	0.120
188	2013/04/18	11:11:18	0.120	0.122	0.121
189	2013/04/18	11:12:18	0.121	0.123	0.121
190	2013/04/18	11:13:18	0.120	0.121	0.121
191	2013/04/18	11:14:18	0.121	0.122	0.121

192	2013/04/18	11:15:18	0.122	0.123	0.123
193	2013/04/18	11:16:18	0.122	0.123	0.123
194	2013/04/18	11:17:18	0.122	0.123	0.123
195	2013/04/18	11:18:18	0.123	0.123	0.123
196	2013/04/18	11:19:18	0.122	0.124	0.123
197	2013/04/18	11:20:18	0.123	0.124	0.124
198	2013/04/18	11:21:18	0.123	0.124	0.124
199	2013/04/18	11:22:18	0.123	0.124	0.124
200	2013/04/18	11:23:18	0.124	0.125	0.124
201	2013/04/18	11:24:18	0.125	0.127	0.125
202	2013/04/18	11:25:18	0.124	0.127	0.125
203	2013/04/18	11:26:18	0.124	0.125	0.124
204	2013/04/18	11:27:18	0.124	0.125	0.124
205	2013/04/18	11:28:18	0.124	0.124	0.124
206	2013/04/18	11:29:18	0.124	0.125	0.125
207	2013/04/18	11:30:18	0.125	0.125	0.125
208	2013/04/18	11:31:18	0.124	0.125	0.125
209	2013/04/18	11:32:18	0.125	0.126	0.125
210	2013/04/18	11:33:18	0.125	0.126	0.126
211	2013/04/18	11:34:18	0.125	0.126	0.126
212	2013/04/18	11:35:18	0.126	0.126	0.126
213	2013/04/18	11:36:18	0.126	0.129	0.126
214	2013/04/18	11:37:18	0.136	0.166	0.132
215	2013/04/18	11:38:18	0.129	0.132	0.130
216	2013/04/18	11:39:18	0.128	0.130	0.128
217	2013/04/18	11:40:18	0.128	0.130	0.129
218	2013/04/18	11:41:18	0.129	0.130	0.129
219	2013/04/18	11:42:18	0.129	0.130	0.130
220	2013/04/18	11:43:18	0.129	0.130	0.129
221	2013/04/18	11:44:18	0.129	0.130	0.130
222	2013/04/18	11:45:18	0.129	0.130	0.130
223	2013/04/18	11:46:18	0.129	0.130	0.130
224	2013/04/18	11:47:18	0.129	0.130	0.129
225	2013/04/18	11:48:18	0.129	0.130	0.130
226	2013/04/18	11:49:18	0.130	0.131	0.130
227	2013/04/18	11:50:18	0.130	0.133	0.130
228	2013/04/18	11:51:18	0.130	0.131	0.131
229	2013/04/18	11:52:18	0.129	0.131	0.130
230	2013/04/18	11:53:18	0.130	0.131	0.130
231	2013/04/18	11:54:18	0.129	0.131	0.130
232	2013/04/18	11:55:18	0.130	0.131	0.130
233	2013/04/18	11:56:18	0.130	0.132	0.131
234	2013/04/18	11:57:18	0.130	0.131	0.131
235	2013/04/18	11:58:18	0.131	0.133	0.131
236	2013/04/18	11:59:18	0.131	0.132	0.131
237	2013/04/18	12:00:18	0.131	0.134	0.134
238	2013/04/18	12:01:18	0.131	0.133	0.132
239	2013/04/18	12:02:18	0.131	0.133	0.131
240	2013/04/18	12:03:18	0.131	0.132	0.132
241	2013/04/18	12:04:18	0.132	0.134	0.132
242	2013/04/18	12:05:18	0.131	0.135	0.131
243	2013/04/18	12:06:18	0.143	0.257	0.128
244	2013/04/18	12:07:18	0.138	0.198	0.127
245	2013/04/18	12:08:18	0.135	0.158	0.131
246	2013/04/18	12:09:18	0.137	0.150	0.134
247	2013/04/18	12:10:18	0.132	0.134	0.132
248	2013/04/18	12:11:18	0.132	0.133	0.132
249	2013/04/18	12:12:18	0.132	0.145	0.145
250	2013/04/18	12:13:18	0.145	0.185	0.136
251	2013/04/18	12:14:18	0.133	0.136	0.133
252	2013/04/18	12:15:18	0.132	0.133	0.133
253	2013/04/18	12:16:18	0.133	0.137	0.133
254	2013/04/18	12:17:18	0.134	0.135	0.134

255	2013/04/18	12:18:18	0.134	0.135	0.134
256	2013/04/18	12:19:18	0.142	0.191	0.137
257	2013/04/18	12:20:18	0.137	0.141	0.138
258	2013/04/18	12:21:18	0.137	0.139	0.137
259	2013/04/18	12:22:18	0.143	0.172	0.139
260	2013/04/18	12:23:18	0.140	0.141	0.141
261	2013/04/18	12:24:18	0.141	0.143	0.143
262	2013/04/18	12:25:18	0.144	0.145	0.145
263	2013/04/18	12:26:18	0.145	0.148	0.147
264	2013/04/18	12:27:18	0.147	0.148	0.148
265	2013/04/18	12:28:18	0.150	0.167	0.155
266	2013/04/18	12:29:18	0.150	0.154	0.149
267	2013/04/18	12:30:18	0.150	0.159	0.159
268	2013/04/18	12:31:18	0.153	0.169	0.145
269	2013/04/18	12:32:18	0.147	0.153	0.153
270	2013/04/18	12:33:18	0.148	0.153	0.149
271	2013/04/18	12:34:18	0.148	0.158	0.154
272	2013/04/18	12:35:18	0.148	0.156	0.149
273	2013/04/18	12:36:18	0.147	0.155	0.147
274	2013/04/18	12:37:18	0.147	0.151	0.148
275	2013/04/18	12:38:18	0.145	0.152	0.144
276	2013/04/18	12:39:18	0.144	0.151	0.145
277	2013/04/18	12:40:18	0.143	0.151	0.142
278	2013/04/18	12:41:18	0.142	0.150	0.140
279	2013/04/18	12:42:18	0.141	0.143	0.142
280	2013/04/18	12:43:18	0.142	0.157	0.139
281	2013/04/18	12:44:18	0.140	0.147	0.137
282	2013/04/18	12:45:18	0.140	0.153	0.138
283	2013/04/18	12:46:18	0.138	0.147	0.137
284	2013/04/18	12:47:18	0.137	0.143	0.140
285	2013/04/18	12:48:18	0.139	0.146	0.136
286	2013/04/18	12:49:18	0.135	0.149	0.149
287	2013/04/18	12:50:18	0.134	0.149	0.133
288	2013/04/18	12:51:18	0.133	0.137	0.135
289	2013/04/18	12:52:18	0.133	0.137	0.134
290	2013/04/18	12:53:18	0.133	0.136	0.133
291	2013/04/18	12:54:18	0.133	0.135	0.133
292	2013/04/18	12:55:18	0.133	0.136	0.133
293	2013/04/18	12:56:18	0.134	0.151	0.131
294	2013/04/18	12:57:18	0.131	0.133	0.130
295	2013/04/18	12:58:18	0.130	0.136	0.130
296	2013/04/18	12:59:18	0.133	0.159	0.131
297	2013/04/18	13:00:18	0.131	0.133	0.130
298	2013/04/18	13:01:18	0.130	0.132	0.130
299	2013/04/18	13:02:18	0.129	0.130	0.129
300	2013/04/18	13:03:18	0.129	0.130	0.130
301	2013/04/18	13:04:18	0.129	0.130	0.129
302	2013/04/18	13:05:18	0.131	0.147	0.129
303	2013/04/18	13:06:18	0.129	0.129	0.129
304	2013/04/18	13:07:18	0.129	0.134	0.133
305	2013/04/18	13:08:18	0.129	0.136	0.130
306	2013/04/18	13:09:18	0.130	0.139	0.126
307	2013/04/18	13:10:18	0.126	0.131	0.125
308	2013/04/18	13:11:18	0.128	0.130	0.129
309	2013/04/18	13:12:18	0.129	0.131	0.131
310	2013/04/18	13:13:18	0.130	0.131	0.130
311	2013/04/18	13:14:18	0.130	0.133	0.131
312	2013/04/18	13:15:18	0.132	0.133	0.131
313	2013/04/18	13:16:18	0.131	0.133	0.132
314	2013/04/18	13:17:18	0.133	0.146	0.134
315	2013/04/18	13:18:18	0.132	0.138	0.131
316	2013/04/18	13:19:18	0.135	0.152	0.137
317	2013/04/18	13:20:18	0.132	0.140	0.137

318	2013/04/18	13:21:18	0.135	0.149	0.130
319	2013/04/18	13:22:18	0.133	0.141	0.135
320	2013/04/18	13:23:18	0.131	0.144	0.132
321	2013/04/18	13:24:18	0.132	0.136	0.131
322	2013/04/18	13:25:18	0.133	0.139	0.133
323	2013/04/18	13:26:18	0.135	0.147	0.136
324	2013/04/18	13:27:18	0.134	0.137	0.133
325	2013/04/18	13:28:18	0.133	0.139	0.137
326	2013/04/18	13:29:18	0.134	0.138	0.135
327	2013/04/18	13:30:18	0.134	0.136	0.135
328	2013/04/18	13:31:18	0.135	0.137	0.136
329	2013/04/18	13:32:18	0.136	0.137	0.137
330	2013/04/18	13:33:18	0.137	0.139	0.139
331	2013/04/18	13:34:18	0.139	0.140	0.139
332	2013/04/18	13:35:18	0.139	0.143	0.142
333	2013/04/18	13:36:18	0.140	0.144	0.142
334	2013/04/18	13:37:18	0.139	0.146	0.139
335	2013/04/18	13:38:18	0.139	0.145	0.140
336	2013/04/18	13:39:18	0.139	0.143	0.140
337	2013/04/18	13:40:18	0.140	0.147	0.140
338	2013/04/18	13:41:18	0.140	0.146	0.139
339	2013/04/18	13:42:18	0.141	0.149	0.139
340	2013/04/18	13:43:18	0.140	0.143	0.138
341	2013/04/18	13:44:18	0.140	0.147	0.145
342	2013/04/18	13:45:18	0.140	0.143	0.140
343	2013/04/18	13:46:18	0.141	0.148	0.141
344	2013/04/18	13:47:18	0.141	0.150	0.146
345	2013/04/18	13:48:18	0.141	0.146	0.138
346	2013/04/18	13:49:18	0.140	0.149	0.141
347	2013/04/18	13:50:18	0.140	0.146	0.145
348	2013/04/18	13:51:18	0.141	0.147	0.140
349	2013/04/18	13:52:18	0.140	0.145	0.142
350	2013/04/18	13:53:18	0.140	0.147	0.140
351	2013/04/18	13:54:18	0.143	0.151	0.145
352	2013/04/18	13:55:18	0.142	0.158	0.146
353	2013/04/18	13:56:18	0.140	0.146	0.141
354	2013/04/18	13:57:18	0.142	0.149	0.141
355	2013/04/18	13:58:18	0.141	0.147	0.141
356	2013/04/18	13:59:18	0.140	0.146	0.137
357	2013/04/18	14:00:18	0.139	0.143	0.139
358	2013/04/18	14:01:18	0.140	0.150	0.140
359	2013/04/18	14:02:18	0.139	0.145	0.145
360	2013/04/18	14:03:18	0.139	0.145	0.143
361	2013/04/18	14:04:18	0.139	0.147	0.138
362	2013/04/18	14:05:18	0.140	0.145	0.143
363	2013/04/18	14:06:18	0.139	0.148	0.147
364	2013/04/18	14:07:18	0.139	0.143	0.138
365	2013/04/18	14:08:18	0.138	0.144	0.137
366	2013/04/18	14:09:18	0.138	0.147	0.136
367	2013/04/18	14:10:18	0.138	0.144	0.142
368	2013/04/18	14:11:18	0.138	0.147	0.137
369	2013/04/18	14:12:18	0.138	0.146	0.140
370	2013/04/18	14:13:18	0.137	0.145	0.138
371	2013/04/18	14:14:18	0.136	0.144	0.138
372	2013/04/18	14:15:18	0.138	0.149	0.137
373	2013/04/18	14:16:18	0.138	0.142	0.140
374	2013/04/18	14:17:18	0.138	0.147	0.137
375	2013/04/18	14:18:18	0.137	0.138	0.137
376	2013/04/18	14:19:18	0.139	0.144	0.143
377	2013/04/18	14:20:18	0.139	0.143	0.140
378	2013/04/18	14:21:18	0.139	0.143	0.139
379	2013/04/18	14:22:18	0.139	0.150	0.142
380	2013/04/18	14:23:18	0.149	0.162	0.156

381	2013/04/18	14:24:18	0.142	0.152	0.140
382	2013/04/18	14:25:18	0.139	0.141	0.139
383	2013/04/18	14:26:18	0.138	0.139	0.138
384	2013/04/18	14:27:18	0.140	0.150	0.142
385	2013/04/18	14:28:18	0.142	0.198	0.131
386	2013/04/18	14:29:18	0.134	0.138	0.135
387	2013/04/18	14:30:18	0.135	0.135	0.135
388	2013/04/18	14:31:18	0.135	0.135	0.135
389	2013/04/18	14:32:18	0.135	0.136	0.135
390	2013/04/18	14:33:18	0.135	0.137	0.135
391	2013/04/18	14:34:18	0.135	0.136	0.136
392	2013/04/18	14:35:18	0.134	0.136	0.136
393	2013/04/18	14:36:18	0.134	0.144	0.133
394	2013/04/18	14:37:18	0.133	0.136	0.134
395	2013/04/18	14:38:18	0.133	0.135	0.133
396	2013/04/18	14:39:18	0.133	0.135	0.135
397	2013/04/18	14:40:18	0.145	0.200	0.135
398	2013/04/18	14:41:18	0.136	0.137	0.136
399	2013/04/18	14:42:18	0.136	0.159	0.135
400	2013/04/18	14:43:18	0.134	0.135	0.134
401	2013/04/18	14:44:18	0.134	0.135	0.134
402	2013/04/18	14:45:18	0.134	0.135	0.135
403	2013/04/18	14:46:18	0.136	0.142	0.134
404	2013/04/18	14:47:18	0.134	0.139	0.134
405	2013/04/18	14:48:18	0.134	0.137	0.137
406	2013/04/18	14:49:18	0.136	0.144	0.133
407	2013/04/18	14:50:18	0.149	0.221	0.138
408	2013/04/18	14:51:18	0.135	0.138	0.136
409	2013/04/18	14:52:18	0.136	0.137	0.136
410	2013/04/18	14:53:18	0.134	0.136	0.134
411	2013/04/18	14:54:18	0.134	0.135	0.135
412	2013/04/18	14:55:18	0.134	0.135	0.135
413	2013/04/18	14:56:18	0.134	0.136	0.136
414	2013/04/18	14:57:18	0.134	0.136	0.135
415	2013/04/18	14:58:18	0.134	0.136	0.134
416	2013/04/18	14:59:18	0.133	0.134	0.134
417	2013/04/18	15:00:18	0.133	0.134	0.133
418	2013/04/18	15:01:18	0.133	0.134	0.134
419	2013/04/18	15:02:18	0.134	0.134	0.134
420	2013/04/18	15:03:18	0.134	0.135	0.133
421	2013/04/18	15:04:18	0.133	0.134	0.134
422	2013/04/18	15:05:18	0.134	0.148	0.134
423	2013/04/18	15:06:18	0.134	0.134	0.134
424	2013/04/18	15:07:18	0.133	0.135	0.135
425	2013/04/18	15:08:18	0.134	0.135	0.134
426	2013/04/18	15:09:18	0.133	0.135	0.134
427	2013/04/18	15:10:18	0.134	0.136	0.135
428	2013/04/18	15:11:18	0.135	0.136	0.135
429	2013/04/18	15:12:18	0.135	0.137	0.136
430	2013/04/18	15:13:18	0.136	0.137	0.136
431	2013/04/18	15:14:18	0.136	0.137	0.137
432	2013/04/18	15:15:18	0.139	0.148	0.148
433	2013/04/18	15:16:18	0.140	0.147	0.141
434	2013/04/18	15:17:18	0.140	0.142	0.141
435	2013/04/18	15:18:18	0.152	0.259	0.157
436	2013/04/18	15:19:18	0.145	0.155	0.144
437	2013/04/18	15:20:18	0.143	0.145	0.144
438	2013/04/18	15:21:18	0.144	0.146	0.146
439	2013/04/18	15:22:18	0.145	0.147	0.146
440	2013/04/18	15:23:18	0.148	0.150	0.150
441	2013/04/18	15:24:18	0.151	0.153	0.152
442	2013/04/18	15:25:18	0.152	0.154	0.154
443	2013/04/18	15:26:18	0.154	0.156	0.155

444	2013/04/18	15:27:18	0.155	0.157	0.157
445	2013/04/18	15:28:18	0.157	0.159	0.159
446	2013/04/18	15:29:18	0.158	0.159	0.159
447	2013/04/18	15:30:18	0.159	0.160	0.160
448	2013/04/18	15:31:18	0.161	0.162	0.162
449	2013/04/18	15:32:18	0.162	0.164	0.164
450	2013/04/18	15:33:18	0.163	0.165	0.165
451	2013/04/18	15:34:18	0.164	0.166	0.165
452	2013/04/18	15:35:18	0.166	0.180	0.167
453	2013/04/18	15:36:18	0.166	0.167	0.165
454	2013/04/18	15:37:18	0.164	0.166	0.164
455	2013/04/18	15:38:18	0.164	0.169	0.163
456	2013/04/18	15:39:18	0.162	0.163	0.162
457	2013/04/18	15:40:18	0.171	0.278	0.163
458	2013/04/18	15:41:18	0.161	0.163	0.160
459	2013/04/18	15:42:18	0.159	0.162	0.159
460	2013/04/18	15:43:18	0.158	0.159	0.158
461	2013/04/18	15:44:18	0.156	0.158	0.156
462	2013/04/18	15:45:18	0.155	0.157	0.156
463	2013/04/18	15:46:18	0.155	0.157	0.156
464	2013/04/18	15:47:18	0.155	0.157	0.153
465	2013/04/18	15:48:18	0.154	0.156	0.155
466	2013/04/18	15:49:18	0.154	0.155	0.154
467	2013/04/18	15:50:18	0.154	0.155	0.153
468	2013/04/18	15:51:18	0.152	0.154	0.152
469	2013/04/18	15:52:18	0.152	0.153	0.152
470	2013/04/18	15:53:18	0.151	0.152	0.151
471	2013/04/18	15:54:18	0.150	0.151	0.151
472	2013/04/18	15:55:18	0.150	0.153	0.150
473	2013/04/18	15:56:18	0.149	0.150	0.150
474	2013/04/18	15:57:18	0.150	0.152	0.150
475	2013/04/18	15:58:18	0.151	0.152	0.151
476	2013/04/18	15:59:18	0.152	0.154	0.153
477	2013/04/18	16:00:18	0.154	0.155	0.155
478	2013/04/18	16:01:18	0.155	0.156	0.155
479	2013/04/18	16:02:18	0.155	0.157	0.157
480	2013/04/18	16:03:18	0.157	0.159	0.158
481	2013/04/18	16:04:18	0.158	0.159	0.159
482	2013/04/18	16:05:18	0.159	0.161	0.160
483	2013/04/18	16:06:18	0.159	0.161	0.160
484	2013/04/18	16:07:18	0.160	0.178	0.160
485	2013/04/18	16:08:18	0.159	0.160	0.158
486	2013/04/18	16:09:18	0.159	0.160	0.159
487	2013/04/18	16:10:18	0.158	0.159	0.159
488	2013/04/18	16:11:18	0.158	0.159	0.158
489	2013/04/18	16:12:18	0.158	0.160	0.159
490	2013/04/18	16:13:18	0.159	0.160	0.159
491	2013/04/18	16:14:18	0.158	0.159	0.159
492	2013/04/18	16:15:18	0.159	0.160	0.160
493	2013/04/18	16:16:18	0.160	0.161	0.161
494	2013/04/18	16:17:18	0.161	0.162	0.162
495	2013/04/18	16:18:18	0.162	0.164	0.163
496	2013/04/18	16:19:18	0.163	0.165	0.165
497	2013/04/18	16:20:18	0.165	0.167	0.166
498	2013/04/18	16:21:18	0.166	0.169	0.167
499	2013/04/18	16:22:18	0.166	0.167	0.167
500	2013/04/18	16:23:18	0.167	0.168	0.168
501	2013/04/18	16:24:18	0.168	0.170	0.170
502	2013/04/18	16:25:18	0.169	0.171	0.169
503	2013/04/18	16:26:18	0.168	0.169	0.168
504	2013/04/18	16:27:18	0.167	0.169	0.167
505	2013/04/18	16:28:18	0.168	0.170	0.168
506	2013/04/18	16:29:18	0.167	0.168	0.168

507	2013/04/18	16:30:18	0.167	0.169	0.167
508	2013/04/18	16:31:18	0.168	0.190	0.166
509	2013/04/18	16:32:18	0.165	0.166	0.164
510	2013/04/18	16:33:18	0.163	0.165	0.163
511	2013/04/18	16:34:18	0.162	0.164	0.162
512	2013/04/18	16:35:18	0.161	0.162	0.160
513	2013/04/18	16:36:18	0.159	0.160	0.159
514	2013/04/18	16:37:18	0.156	0.159	0.155
515	2013/04/18	16:38:18	0.154	0.156	0.153
516	2013/04/18	16:39:18	0.151	0.154	0.150
517	2013/04/18	16:40:18	0.149	0.151	0.149
518	2013/04/18	16:41:18	0.147	0.149	0.147
519	2013/04/18	16:42:18	0.145	0.147	0.145
520	2013/04/18	16:43:18	0.144	0.145	0.143
521	2013/04/18	16:44:18	0.142	0.144	0.142
522	2013/04/18	16:45:18	0.140	0.142	0.140
523	2013/04/18	16:46:18	0.138	0.139	0.137
524	2013/04/18	16:47:18	0.136	0.137	0.136
525	2013/04/18	16:48:18	0.135	0.136	0.135
526	2013/04/18	16:49:18	0.133	0.135	0.133
527	2013/04/18	16:50:18	0.133	0.134	0.133
528	2013/04/18	16:51:18	0.132	0.134	0.133
529	2013/04/18	16:52:18	0.133	0.135	0.132
530	2013/04/18	16:53:18	0.133	0.135	0.134
531	2013/04/18	16:54:18	0.134	0.136	0.135
532	2013/04/18	16:55:18	0.136	0.138	0.138
533	2013/04/18	16:56:18	0.138	0.140	0.140
534	2013/04/18	16:57:18	0.139	0.140	0.140
535	2013/04/18	16:58:18	0.141	0.144	0.144
536	2013/04/18	16:59:18	0.144	0.146	0.146
537	2013/04/18	17:00:18	0.148	0.149	0.149
538	2013/04/18	17:01:18	0.149	0.158	0.150
539	2013/04/18	17:02:18	0.150	0.152	0.152
540	2013/04/18	17:03:18	0.153	0.154	0.154
541	2013/04/18	17:04:18	0.154	0.155	0.155
542	2013/04/18	17:05:18	0.156	0.157	0.157
543	2013/04/18	17:06:18	0.158	0.159	0.159
544	2013/04/18	17:07:18	0.159	0.161	0.161
545	2013/04/18	17:08:18	0.161	0.161	0.161
546	2013/04/18	17:09:18	0.161	0.162	0.162
547	2013/04/18	17:10:18	0.161	0.162	0.162
548	2013/04/18	17:11:18	0.161	0.164	0.161
549	2013/04/18	17:12:18	0.161	0.162	0.162
550	2013/04/18	17:13:18	0.160	0.162	0.159
551	2013/04/18	17:14:18	0.158	0.161	0.158
552	2013/04/18	17:15:18	0.156	0.158	0.156
553	2013/04/18	17:16:18	0.155	0.156	0.154
554	2013/04/18	17:17:18	0.152	0.154	0.152
555	2013/04/18	17:18:18	0.150	0.152	0.149
556	2013/04/18	17:19:18	0.148	0.150	0.148
557	2013/04/18	17:20:18	0.146	0.148	0.146
558	2013/04/18	17:21:18	0.144	0.146	0.143
559	2013/04/18	17:22:18	0.142	0.143	0.141
560	2013/04/18	17:23:18	0.140	0.141	0.141
561	2013/04/18	17:24:18	0.139	0.141	0.139
562	2013/04/18	17:25:18	0.138	0.139	0.138
563	2013/04/18	17:26:18	0.136	0.138	0.136
564	2013/04/18	17:27:18	0.134	0.137	0.134
565	2013/04/18	17:28:18	0.133	0.134	0.133
566	2013/04/18	17:29:18	0.132	0.133	0.132
567	2013/04/18	17:30:18	0.131	0.132	0.130
568	2013/04/18	17:31:18	0.130	0.131	0.130
569	2013/04/18	17:32:18	0.129	0.130	0.129

570	2013/04/18 17:33:18	0.129	0.130	0.128
571	2013/04/18 17:34:18	0.127	0.128	0.127
572	2013/04/18 17:35:18	0.126	0.127	0.126
573	2013/04/18 17:36:18	0.126	0.126	0.126
574	2013/04/18 17:37:18	0.125	0.126	0.125
575	2013/04/18 17:38:18	0.124	0.125	0.124
576	2013/04/18 17:39:18	0.123	0.124	0.123
577	2013/04/18 17:40:18	0.123	0.124	0.123
578	2013/04/18 17:41:18	0.122	0.123	0.123
579	2013/04/18 17:42:18	0.122	0.123	0.122
580	2013/04/18 17:43:18	0.121	0.123	0.122
581	2013/04/18 17:44:18	0.122	0.123	0.123
582	2013/04/18 17:45:18	0.122	0.123	0.123
583	2013/04/18 17:46:18	0.121	0.123	0.122
Peak		0.171	0.278	0.170
Min		0.024	0.028	0.022
Average		0.127	0.133	0.127

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/04/18 08:04:18	0.000	---	
002	2013/04/18 08:05:18	0.000	---	
003	2013/04/18 08:06:18	0.000	---	
004	2013/04/18 08:07:18	0.000	---	
005	2013/04/18 08:08:18	0.000	---	
006	2013/04/18 08:09:18	0.000	---	
007	2013/04/18 08:10:18	0.000	---	
008	2013/04/18 08:11:18	0.000	---	
009	2013/04/18 08:12:18	0.001	---	
010	2013/04/18 08:13:18	0.001	---	
011	2013/04/18 08:14:18	0.001	---	
012	2013/04/18 08:15:18	0.001	---	
013	2013/04/18 08:16:18	0.001	---	
014	2013/04/18 08:17:18	0.001	---	
015	2013/04/18 08:18:18	0.001	0.033	
016	2013/04/18 08:19:18	0.001	0.035	
017	2013/04/18 08:20:18	0.001	0.036	
018	2013/04/18 08:21:18	0.001	0.038	
019	2013/04/18 08:22:18	0.001	0.039	
020	2013/04/18 08:23:18	0.002	0.041	
021	2013/04/18 08:24:18	0.002	0.042	
022	2013/04/18 08:25:18	0.002	0.044	
023	2013/04/18 08:26:18	0.002	0.046	
024	2013/04/18 08:27:18	0.002	0.047	
025	2013/04/18 08:28:18	0.002	0.049	
026	2013/04/18 08:29:18	0.002	0.050	
027	2013/04/18 08:30:18	0.002	0.052	
028	2013/04/18 08:31:18	0.003	0.053	
029	2013/04/18 08:32:18	0.003	0.055	
030	2013/04/18 08:33:18	0.003	0.056	
031	2013/04/18 08:34:18	0.003	0.058	
032	2013/04/18 08:35:18	0.003	0.059	
033	2013/04/18 08:36:18	0.003	0.061	
034	2013/04/18 08:37:18	0.003	0.062	
035	2013/04/18 08:38:18	0.004	0.063	
036	2013/04/18 08:39:18	0.004	0.064	
037	2013/04/18 08:40:18	0.004	0.066	
038	2013/04/18 08:41:18	0.004	0.067	
039	2013/04/18 08:42:18	0.004	0.068	
040	2013/04/18 08:43:18	0.004	0.069	
041	2013/04/18 08:44:18	0.004	0.071	

042	2013/04/18	08:45:18	0.005	0.072
043	2013/04/18	08:46:18	0.005	0.073
044	2013/04/18	08:47:18	0.005	0.074
045	2013/04/18	08:48:18	0.005	0.076
046	2013/04/18	08:49:18	0.005	0.077
047	2013/04/18	08:50:18	0.006	0.078
048	2013/04/18	08:51:18	0.006	0.079
049	2013/04/18	08:52:18	0.006	0.080
050	2013/04/18	08:53:18	0.006	0.082
051	2013/04/18	08:54:18	0.006	0.082
052	2013/04/18	08:55:18	0.006	0.083
053	2013/04/18	08:56:18	0.007	0.084
054	2013/04/18	08:57:18	0.007	0.085
055	2013/04/18	08:58:18	0.007	0.086
056	2013/04/18	08:59:18	0.007	0.087
057	2013/04/18	09:00:18	0.007	0.088
058	2013/04/18	09:01:18	0.008	0.088
059	2013/04/18	09:02:18	0.008	0.089
060	2013/04/18	09:03:18	0.008	0.090
061	2013/04/18	09:04:18	0.008	0.091
062	2013/04/18	09:05:18	0.008	0.092
063	2013/04/18	09:06:18	0.009	0.092
064	2013/04/18	09:07:18	0.009	0.093
065	2013/04/18	09:08:18	0.009	0.094
066	2013/04/18	09:09:18	0.009	0.095
067	2013/04/18	09:10:18	0.009	0.096
068	2013/04/18	09:11:18	0.010	0.096
069	2013/04/18	09:12:18	0.010	0.097
070	2013/04/18	09:13:18	0.010	0.097
071	2013/04/18	09:14:18	0.010	0.098
072	2013/04/18	09:15:18	0.010	0.098
073	2013/04/18	09:16:18	0.011	0.099
074	2013/04/18	09:17:18	0.011	0.100
075	2013/04/18	09:18:18	0.011	0.100
076	2013/04/18	09:19:18	0.011	0.101
077	2013/04/18	09:20:18	0.012	0.101
078	2013/04/18	09:21:18	0.012	0.102
079	2013/04/18	09:22:18	0.012	0.102
080	2013/04/18	09:23:18	0.012	0.102
081	2013/04/18	09:24:18	0.012	0.102
082	2013/04/18	09:25:18	0.013	0.103
083	2013/04/18	09:26:18	0.013	0.103
084	2013/04/18	09:27:18	0.013	0.104
085	2013/04/18	09:28:18	0.013	0.104
086	2013/04/18	09:29:18	0.014	0.105
087	2013/04/18	09:30:18	0.014	0.105
088	2013/04/18	09:31:18	0.014	0.105
089	2013/04/18	09:32:18	0.014	0.105
090	2013/04/18	09:33:18	0.014	0.106
091	2013/04/18	09:34:18	0.015	0.106
092	2013/04/18	09:35:18	0.015	0.106
093	2013/04/18	09:36:18	0.015	0.106
094	2013/04/18	09:37:18	0.015	0.107
095	2013/04/18	09:38:18	0.016	0.107
096	2013/04/18	09:39:18	0.016	0.107
097	2013/04/18	09:40:18	0.016	0.108
098	2013/04/18	09:41:18	0.016	0.108
099	2013/04/18	09:42:18	0.016	0.108
100	2013/04/18	09:43:18	0.017	0.108
101	2013/04/18	09:44:18	0.017	0.109
102	2013/04/18	09:45:18	0.017	0.109
103	2013/04/18	09:46:18	0.017	0.110
104	2013/04/18	09:47:18	0.018	0.110

105	2013/04/18 09:48:18	0.018	0.111
106	2013/04/18 09:49:18	0.018	0.111
107	2013/04/18 09:50:18	0.018	0.111
108	2013/04/18 09:51:18	0.019	0.111
109	2013/04/18 09:52:18	0.019	0.112
110	2013/04/18 09:53:18	0.019	0.112
111	2013/04/18 09:54:18	0.019	0.112
112	2013/04/18 09:55:18	0.020	0.113
113	2013/04/18 09:56:18	0.020	0.114
114	2013/04/18 09:57:18	0.020	0.114
115	2013/04/18 09:58:18	0.020	0.115
116	2013/04/18 09:59:18	0.021	0.116
117	2013/04/18 10:00:18	0.021	0.116
118	2013/04/18 10:01:18	0.021	0.116
119	2013/04/18 10:02:18	0.021	0.116
120	2013/04/18 10:03:18	0.021	0.116
121	2013/04/18 10:04:18	0.022	0.116
122	2013/04/18 10:05:18	0.022	0.117
123	2013/04/18 10:06:18	0.022	0.117
124	2013/04/18 10:07:18	0.022	0.117
125	2013/04/18 10:08:18	0.023	0.117
126	2013/04/18 10:09:18	0.023	0.118
127	2013/04/18 10:10:18	0.023	0.118
128	2013/04/18 10:11:18	0.023	0.118
129	2013/04/18 10:12:18	0.024	0.118
130	2013/04/18 10:13:18	0.024	0.118
131	2013/04/18 10:14:18	0.024	0.118
132	2013/04/18 10:15:18	0.024	0.119
133	2013/04/18 10:16:18	0.025	0.119
134	2013/04/18 10:17:18	0.025	0.120
135	2013/04/18 10:18:18	0.025	0.120
136	2013/04/18 10:19:18	0.026	0.121
137	2013/04/18 10:20:18	0.026	0.121
138	2013/04/18 10:21:18	0.026	0.121
139	2013/04/18 10:22:18	0.026	0.121
140	2013/04/18 10:23:18	0.027	0.121
141	2013/04/18 10:24:18	0.027	0.121
142	2013/04/18 10:25:18	0.027	0.122
143	2013/04/18 10:26:18	0.027	0.122
144	2013/04/18 10:27:18	0.028	0.122
145	2013/04/18 10:28:18	0.028	0.122
146	2013/04/18 10:29:18	0.028	0.122
147	2013/04/18 10:30:18	0.028	0.121
148	2013/04/18 10:31:18	0.029	0.121
149	2013/04/18 10:32:18	0.029	0.121
150	2013/04/18 10:33:18	0.029	0.121
151	2013/04/18 10:34:18	0.029	0.121
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153	2013/04/18 10:36:18	0.030	0.121
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155	2013/04/18 10:38:18	0.030	0.121
156	2013/04/18 10:39:18	0.031	0.121
157	2013/04/18 10:40:18	0.031	0.121
158	2013/04/18 10:41:18	0.031	0.121
159	2013/04/18 10:42:18	0.031	0.120
160	2013/04/18 10:43:18	0.032	0.120
161	2013/04/18 10:44:18	0.032	0.120
162	2013/04/18 10:45:18	0.032	0.120
163	2013/04/18 10:46:18	0.032	0.121
164	2013/04/18 10:47:18	0.033	0.121
165	2013/04/18 10:48:18	0.033	0.121
166	2013/04/18 10:49:18	0.033	0.120
167	2013/04/18 10:50:18	0.033	0.120

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171	2013/04/18	10:54:18	0.034	0.121
172	2013/04/18	10:55:18	0.035	0.121
173	2013/04/18	10:56:18	0.035	0.121
174	2013/04/18	10:57:18	0.035	0.121
175	2013/04/18	10:58:18	0.035	0.121
176	2013/04/18	10:59:18	0.036	0.121
177	2013/04/18	11:00:18	0.036	0.121
178	2013/04/18	11:01:18	0.036	0.121
179	2013/04/18	11:02:18	0.036	0.121
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181	2013/04/18	11:04:18	0.037	0.121
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183	2013/04/18	11:06:18	0.037	0.121
184	2013/04/18	11:07:18	0.038	0.121
185	2013/04/18	11:08:18	0.038	0.121
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195	2013/04/18	11:18:18	0.040	0.122
196	2013/04/18	11:19:18	0.041	0.122
197	2013/04/18	11:20:18	0.041	0.122
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199	2013/04/18	11:22:18	0.041	0.122
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204	2013/04/18	11:27:18	0.043	0.123
205	2013/04/18	11:28:18	0.043	0.124
206	2013/04/18	11:29:18	0.043	0.124
207	2013/04/18	11:30:18	0.043	0.124
208	2013/04/18	11:31:18	0.044	0.124
209	2013/04/18	11:32:18	0.044	0.124
210	2013/04/18	11:33:18	0.044	0.124
211	2013/04/18	11:34:18	0.045	0.125
212	2013/04/18	11:35:18	0.045	0.125
213	2013/04/18	11:36:18	0.045	0.125
214	2013/04/18	11:37:18	0.045	0.125
215	2013/04/18	11:38:18	0.046	0.126
216	2013/04/18	11:39:18	0.046	0.126
217	2013/04/18	11:40:18	0.046	0.126
218	2013/04/18	11:41:18	0.046	0.127
219	2013/04/18	11:42:18	0.047	0.127
220	2013/04/18	11:43:18	0.047	0.127
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223	2013/04/18	11:46:18	0.048	0.128
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235	2013/04/18	11:58:18	0.051	0.130
236	2013/04/18	11:59:18	0.051	0.130
237	2013/04/18	12:00:18	0.052	0.131
238	2013/04/18	12:01:18	0.052	0.131
239	2013/04/18	12:02:18	0.052	0.131
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321	2013/04/18 13:24:18	0.075	0.132
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395	2013/04/18	14:38:18	0.097	0.136
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413	2013/04/18	14:56:18	0.102	0.135
414	2013/04/18	14:57:18	0.102	0.135
415	2013/04/18	14:58:18	0.103	0.135
416	2013/04/18	14:59:18	0.103	0.135
417	2013/04/18	15:00:18	0.103	0.135
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474	2013/04/18 15:57:18	0.121	0.153
475	2013/04/18 15:58:18	0.121	0.153
476	2013/04/18 15:59:18	0.122	0.152
477	2013/04/18 16:00:18	0.122	0.152
478	2013/04/18 16:01:18	0.122	0.152
479	2013/04/18 16:02:18	0.122	0.153
480	2013/04/18 16:03:18	0.123	0.153
481	2013/04/18 16:04:18	0.123	0.153
482	2013/04/18 16:05:18	0.123	0.154

483	2013/04/18 16:06:18	0.124	0.154
484	2013/04/18 16:07:18	0.124	0.155
485	2013/04/18 16:08:18	0.124	0.155
486	2013/04/18 16:09:18	0.125	0.156
487	2013/04/18 16:10:18	0.125	0.156
488	2013/04/18 16:11:18	0.125	0.157
489	2013/04/18 16:12:18	0.126	0.157
490	2013/04/18 16:13:18	0.126	0.158
491	2013/04/18 16:14:18	0.126	0.158
492	2013/04/18 16:15:18	0.127	0.159
493	2013/04/18 16:16:18	0.127	0.159
494	2013/04/18 16:17:18	0.127	0.159
495	2013/04/18 16:18:18	0.128	0.160
496	2013/04/18 16:19:18	0.128	0.160
497	2013/04/18 16:20:18	0.129	0.161
498	2013/04/18 16:21:18	0.129	0.161
499	2013/04/18 16:22:18	0.129	0.161
500	2013/04/18 16:23:18	0.130	0.162
501	2013/04/18 16:24:18	0.130	0.163
502	2013/04/18 16:25:18	0.130	0.164
503	2013/04/18 16:26:18	0.131	0.164
504	2013/04/18 16:27:18	0.131	0.165
505	2013/04/18 16:28:18	0.131	0.165
506	2013/04/18 16:29:18	0.132	0.166
507	2013/04/18 16:30:18	0.132	0.166
508	2013/04/18 16:31:18	0.132	0.167
509	2013/04/18 16:32:18	0.133	0.167
510	2013/04/18 16:33:18	0.133	0.167
511	2013/04/18 16:34:18	0.133	0.167
512	2013/04/18 16:35:18	0.134	0.166
513	2013/04/18 16:36:18	0.134	0.166
514	2013/04/18 16:37:18	0.134	0.165
515	2013/04/18 16:38:18	0.135	0.164
516	2013/04/18 16:39:18	0.135	0.163
517	2013/04/18 16:40:18	0.135	0.161
518	2013/04/18 16:41:18	0.136	0.160
519	2013/04/18 16:42:18	0.136	0.158
520	2013/04/18 16:43:18	0.136	0.157
521	2013/04/18 16:44:18	0.137	0.155
522	2013/04/18 16:45:18	0.137	0.153
523	2013/04/18 16:46:18	0.137	0.151
524	2013/04/18 16:47:18	0.137	0.149
525	2013/04/18 16:48:18	0.138	0.148
526	2013/04/18 16:49:18	0.138	0.146
527	2013/04/18 16:50:18	0.138	0.144
528	2013/04/18 16:51:18	0.138	0.142
529	2013/04/18 16:52:18	0.139	0.141
530	2013/04/18 16:53:18	0.139	0.139
531	2013/04/18 16:54:18	0.139	0.138
532	2013/04/18 16:55:18	0.140	0.138
533	2013/04/18 16:56:18	0.140	0.137
534	2013/04/18 16:57:18	0.140	0.137
535	2013/04/18 16:58:18	0.140	0.137
536	2013/04/18 16:59:18	0.141	0.137
537	2013/04/18 17:00:18	0.141	0.138
538	2013/04/18 17:01:18	0.141	0.139
539	2013/04/18 17:02:18	0.142	0.140
540	2013/04/18 17:03:18	0.142	0.141
541	2013/04/18 17:04:18	0.142	0.142
542	2013/04/18 17:05:18	0.143	0.144
543	2013/04/18 17:06:18	0.143	0.146
544	2013/04/18 17:07:18	0.143	0.148
545	2013/04/18 17:08:18	0.144	0.149

546	2013/04/18 17:09:18	0.144	0.151
547	2013/04/18 17:10:18	0.144	0.153
548	2013/04/18 17:11:18	0.145	0.154
549	2013/04/18 17:12:18	0.145	0.156
550	2013/04/18 17:13:18	0.145	0.157
551	2013/04/18 17:14:18	0.146	0.157
552	2013/04/18 17:15:18	0.146	0.158
553	2013/04/18 17:16:18	0.146	0.158
554	2013/04/18 17:17:18	0.147	0.158
555	2013/04/18 17:18:18	0.147	0.158
556	2013/04/18 17:19:18	0.147	0.157
557	2013/04/18 17:20:18	0.148	0.157
558	2013/04/18 17:21:18	0.148	0.156
559	2013/04/18 17:22:18	0.148	0.154
560	2013/04/18 17:23:18	0.148	0.153
561	2013/04/18 17:24:18	0.149	0.151
562	2013/04/18 17:25:18	0.149	0.150
563	2013/04/18 17:26:18	0.149	0.148
564	2013/04/18 17:27:18	0.150	0.146
565	2013/04/18 17:28:18	0.150	0.145
566	2013/04/18 17:29:18	0.150	0.143
567	2013/04/18 17:30:18	0.150	0.141
568	2013/04/18 17:31:18	0.151	0.139
569	2013/04/18 17:32:18	0.151	0.138
570	2013/04/18 17:33:18	0.151	0.137
571	2013/04/18 17:34:18	0.152	0.135
572	2013/04/18 17:35:18	0.152	0.134
573	2013/04/18 17:36:18	0.152	0.133
574	2013/04/18 17:37:18	0.152	0.132
575	2013/04/18 17:38:18	0.153	0.130
576	2013/04/18 17:39:18	0.153	0.129
577	2013/04/18 17:40:18	0.153	0.128
578	2013/04/18 17:41:18	0.153	0.128
579	2013/04/18 17:42:18	0.154	0.127
580	2013/04/18 17:43:18	0.154	0.126
581	2013/04/18 17:44:18	0.154	0.125
582	2013/04/18 17:45:18	0.154	0.125
583	2013/04/18 17:46:18	0.155	0.124

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13/04/19 08:16

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909117
Unit Firmware Ver V1.10C

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/19 08:16:09
End 2013/04/19 10:26:48
Sample Period(s) 60
Number of Records 130

Sensor VOC(ppm)

Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/17 08:07
Peak 0.138
Min 0.025
Average 0.105

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/19 08:17:09		0.046	0.060	0.038
002	2013/04/19 08:18:09		0.033	0.037	0.030
003	2013/04/19 08:19:09		0.027	0.030	0.025
004	2013/04/19 08:20:09		0.025	0.026	0.025
005	2013/04/19 08:21:09		0.025	0.026	0.025
006	2013/04/19 08:22:09		0.028	0.033	0.028
007	2013/04/19 08:23:09		0.026	0.029	0.027
008	2013/04/19 08:24:09		0.029	0.033	0.033
009	2013/04/19 08:25:09		0.031	0.034	0.030
010	2013/04/19 08:26:09		0.032	0.036	0.036
011	2013/04/19 08:27:09		0.037	0.050	0.038
012	2013/04/19 08:28:09		0.039	0.041	0.040
013	2013/04/19 08:29:09		0.041	0.044	0.044
014	2013/04/19 08:30:09		0.044	0.046	0.046
015	2013/04/19 08:31:09		0.046	0.049	0.048
016	2013/04/19 08:32:09		0.049	0.052	0.052
017	2013/04/19 08:33:09		0.051	0.053	0.053
018	2013/04/19 08:34:09		0.054	0.057	0.057
019	2013/04/19 08:35:09		0.055	0.056	0.056
020	2013/04/19 08:36:09		0.057	0.059	0.059
021	2013/04/19 08:37:09		0.059	0.060	0.059
022	2013/04/19 08:38:09		0.061	0.064	0.063
023	2013/04/19 08:39:09		0.063	0.064	0.064
024	2013/04/19 08:40:09		0.066	0.067	0.067
025	2013/04/19 08:41:09		0.067	0.069	0.069
026	2013/04/19 08:42:09		0.070	0.072	0.071
027	2013/04/19 08:43:09		0.072	0.074	0.074
028	2013/04/19 08:44:09		0.074	0.075	0.074
029	2013/04/19 08:45:09		0.075	0.077	0.077
030	2013/04/19 08:46:09		0.077	0.079	0.078
031	2013/04/19 08:47:09		0.079	0.080	0.080
032	2013/04/19 08:48:09		0.081	0.082	0.082
033	2013/04/19 08:49:09		0.082	0.084	0.083
034	2013/04/19 08:50:09		0.084	0.086	0.085
035	2013/04/19 08:51:09		0.086	0.087	0.087
036	2013/04/19 08:52:09		0.087	0.089	0.089
037	2013/04/19 08:53:09		0.090	0.105	0.090
038	2013/04/19 08:54:09		0.090	0.093	0.092
039	2013/04/19 08:55:09		0.093	0.095	0.093
040	2013/04/19 08:56:09		0.094	0.096	0.096
041	2013/04/19 08:57:09		0.097	0.099	0.098
042	2013/04/19 08:58:09		0.099	0.100	0.100
043	2013/04/19 08:59:09		0.100	0.102	0.102
044	2013/04/19 09:00:09		0.103	0.104	0.103
045	2013/04/19 09:01:09		0.104	0.105	0.105
046	2013/04/19 09:02:09		0.106	0.107	0.107

047	2013/04/19	09:03:09	0.107	0.109	0.109
048	2013/04/19	09:04:09	0.109	0.111	0.111
049	2013/04/19	09:05:09	0.110	0.112	0.111
050	2013/04/19	09:06:09	0.112	0.114	0.113
051	2013/04/19	09:07:09	0.113	0.115	0.115
052	2013/04/19	09:08:09	0.115	0.117	0.115
053	2013/04/19	09:09:09	0.115	0.117	0.117
054	2013/04/19	09:10:09	0.116	0.118	0.117
055	2013/04/19	09:11:09	0.118	0.119	0.119
056	2013/04/19	09:12:09	0.120	0.122	0.121
057	2013/04/19	09:13:09	0.121	0.123	0.121
058	2013/04/19	09:14:09	0.120	0.122	0.121
059	2013/04/19	09:15:09	0.122	0.125	0.123
060	2013/04/19	09:16:09	0.122	0.123	0.123
061	2013/04/19	09:17:09	0.123	0.124	0.123
062	2013/04/19	09:18:09	0.124	0.126	0.125
063	2013/04/19	09:19:09	0.124	0.125	0.124
064	2013/04/19	09:20:09	0.124	0.125	0.125
065	2013/04/19	09:21:09	0.125	0.126	0.126
066	2013/04/19	09:22:09	0.125	0.127	0.126
067	2013/04/19	09:23:09	0.126	0.127	0.127
068	2013/04/19	09:24:09	0.126	0.129	0.129
069	2013/04/19	09:25:09	0.127	0.130	0.127
070	2013/04/19	09:26:09	0.127	0.128	0.127
071	2013/04/19	09:27:09	0.127	0.128	0.127
072	2013/04/19	09:28:09	0.127	0.129	0.127
073	2013/04/19	09:29:09	0.127	0.128	0.127
074	2013/04/19	09:30:09	0.127	0.128	0.127
075	2013/04/19	09:31:09	0.127	0.128	0.127
076	2013/04/19	09:32:09	0.127	0.129	0.128
077	2013/04/19	09:33:09	0.127	0.129	0.127
078	2013/04/19	09:34:09	0.127	0.128	0.128
079	2013/04/19	09:35:09	0.127	0.128	0.128
080	2013/04/19	09:36:09	0.127	0.128	0.128
081	2013/04/19	09:37:09	0.127	0.129	0.127
082	2013/04/19	09:38:09	0.127	0.135	0.135
083	2013/04/19	09:39:09	0.126	0.138	0.126
084	2013/04/19	09:40:09	0.126	0.127	0.126
085	2013/04/19	09:41:09	0.126	0.127	0.126
086	2013/04/19	09:42:09	0.126	0.127	0.127
087	2013/04/19	09:43:09	0.126	0.127	0.126
088	2013/04/19	09:44:09	0.126	0.127	0.126
089	2013/04/19	09:45:09	0.125	0.126	0.126
090	2013/04/19	09:46:09	0.126	0.127	0.127
091	2013/04/19	09:47:09	0.126	0.127	0.126
092	2013/04/19	09:48:09	0.128	0.159	0.126
093	2013/04/19	09:49:09	0.126	0.133	0.126
094	2013/04/19	09:50:09	0.125	0.126	0.125
095	2013/04/19	09:51:09	0.125	0.126	0.126
096	2013/04/19	09:52:09	0.125	0.126	0.125
097	2013/04/19	09:53:09	0.125	0.126	0.126
098	2013/04/19	09:54:09	0.125	0.126	0.126
099	2013/04/19	09:55:09	0.125	0.126	0.125
100	2013/04/19	09:56:09	0.124	0.126	0.125
101	2013/04/19	09:57:09	0.124	0.127	0.126
102	2013/04/19	09:58:09	0.124	0.128	0.125
103	2013/04/19	09:59:09	0.125	0.129	0.127
104	2013/04/19	10:00:09	0.129	0.133	0.128
105	2013/04/19	10:01:09	0.126	0.128	0.126
106	2013/04/19	10:02:09	0.126	0.127	0.127
107	2013/04/19	10:03:09	0.126	0.132	0.127
108	2013/04/19	10:04:09	0.126	0.127	0.127
109	2013/04/19	10:05:09	0.127	0.128	0.128

110	2013/04/19 10:06:09	0.127	0.128	0.128
111	2013/04/19 10:07:09	0.127	0.129	0.128
112	2013/04/19 10:08:09	0.127	0.128	0.127
113	2013/04/19 10:09:09	0.128	0.129	0.128
114	2013/04/19 10:10:09	0.128	0.129	0.128
115	2013/04/19 10:11:09	0.128	0.129	0.128
116	2013/04/19 10:12:09	0.128	0.130	0.130
117	2013/04/19 10:13:09	0.130	0.147	0.129
118	2013/04/19 10:14:09	0.129	0.131	0.130
119	2013/04/19 10:15:09	0.130	0.131	0.131
120	2013/04/19 10:16:09	0.131	0.133	0.132
121	2013/04/19 10:17:09	0.134	0.144	0.133
122	2013/04/19 10:18:09	0.134	0.144	0.133
123	2013/04/19 10:19:09	0.133	0.134	0.134
124	2013/04/19 10:20:09	0.133	0.135	0.134
125	2013/04/19 10:21:09	0.136	0.140	0.136
126	2013/04/19 10:22:09	0.135	0.136	0.136
127	2013/04/19 10:23:09	0.140	0.182	0.134
128	2013/04/19 10:24:09	0.136	0.137	0.137
129	2013/04/19 10:25:09	0.137	0.138	0.138
130	2013/04/19 10:26:09	0.137	0.138	0.137
Peak		0.140	0.182	0.138
Min		0.025	0.026	0.025
Average		0.104	0.107	0.105

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/19 08:17:09	0.000	---
002	2013/04/19 08:18:09	0.000	---
003	2013/04/19 08:19:09	0.000	---
004	2013/04/19 08:20:09	0.000	---
005	2013/04/19 08:21:09	0.000	---
006	2013/04/19 08:22:09	0.000	---
007	2013/04/19 08:23:09	0.000	---
008	2013/04/19 08:24:09	0.000	---
009	2013/04/19 08:25:09	0.001	---
010	2013/04/19 08:26:09	0.001	---
011	2013/04/19 08:27:09	0.001	---
012	2013/04/19 08:28:09	0.001	---
013	2013/04/19 08:29:09	0.001	---
014	2013/04/19 08:30:09	0.001	---
015	2013/04/19 08:31:09	0.001	0.034
016	2013/04/19 08:32:09	0.001	0.035
017	2013/04/19 08:33:09	0.001	0.037
018	2013/04/19 08:34:09	0.001	0.039
019	2013/04/19 08:35:09	0.002	0.041
020	2013/04/19 08:36:09	0.002	0.043
021	2013/04/19 08:37:09	0.002	0.045
022	2013/04/19 08:38:09	0.002	0.048
023	2013/04/19 08:39:09	0.002	0.050
024	2013/04/19 08:40:09	0.002	0.052
025	2013/04/19 08:41:09	0.002	0.054
026	2013/04/19 08:42:09	0.002	0.057
027	2013/04/19 08:43:09	0.003	0.059
028	2013/04/19 08:44:09	0.003	0.061
029	2013/04/19 08:45:09	0.003	0.063
030	2013/04/19 08:46:09	0.003	0.065
031	2013/04/19 08:47:09	0.003	0.067
032	2013/04/19 08:48:09	0.003	0.069
033	2013/04/19 08:49:09	0.004	0.070
034	2013/04/19 08:50:09	0.004	0.072

035	2013/04/19 08:51:09	0.004	0.074
036	2013/04/19 08:52:09	0.004	0.076
037	2013/04/19 08:53:09	0.004	0.078
038	2013/04/19 08:54:09	0.005	0.080
039	2013/04/19 08:55:09	0.005	0.082
040	2013/04/19 08:56:09	0.005	0.083
041	2013/04/19 08:57:09	0.005	0.085
042	2013/04/19 08:58:09	0.005	0.087
043	2013/04/19 08:59:09	0.006	0.089
044	2013/04/19 09:00:09	0.006	0.091
045	2013/04/19 09:01:09	0.006	0.092
046	2013/04/19 09:02:09	0.006	0.094
047	2013/04/19 09:03:09	0.006	0.096
048	2013/04/19 09:04:09	0.007	0.098
049	2013/04/19 09:05:09	0.007	0.100
050	2013/04/19 09:06:09	0.007	0.101
051	2013/04/19 09:07:09	0.007	0.103
052	2013/04/19 09:08:09	0.008	0.105
053	2013/04/19 09:09:09	0.008	0.106
054	2013/04/19 09:10:09	0.008	0.108
055	2013/04/19 09:11:09	0.008	0.109
056	2013/04/19 09:12:09	0.009	0.111
057	2013/04/19 09:13:09	0.009	0.112
058	2013/04/19 09:14:09	0.009	0.114
059	2013/04/19 09:15:09	0.009	0.115
060	2013/04/19 09:16:09	0.010	0.116
061	2013/04/19 09:17:09	0.010	0.117
062	2013/04/19 09:18:09	0.010	0.118
063	2013/04/19 09:19:09	0.010	0.119
064	2013/04/19 09:20:09	0.011	0.120
065	2013/04/19 09:21:09	0.011	0.121
066	2013/04/19 09:22:09	0.011	0.122
067	2013/04/19 09:23:09	0.011	0.123
068	2013/04/19 09:24:09	0.012	0.123
069	2013/04/19 09:25:09	0.012	0.124
070	2013/04/19 09:26:09	0.012	0.125
071	2013/04/19 09:27:09	0.012	0.125
072	2013/04/19 09:28:09	0.013	0.125
073	2013/04/19 09:29:09	0.013	0.126
074	2013/04/19 09:30:09	0.013	0.126
075	2013/04/19 09:31:09	0.014	0.126
076	2013/04/19 09:32:09	0.014	0.127
077	2013/04/19 09:33:09	0.014	0.127
078	2013/04/19 09:34:09	0.014	0.127
079	2013/04/19 09:35:09	0.015	0.127
080	2013/04/19 09:36:09	0.015	0.127
081	2013/04/19 09:37:09	0.015	0.127
082	2013/04/19 09:38:09	0.015	0.128
083	2013/04/19 09:39:09	0.016	0.128
084	2013/04/19 09:40:09	0.016	0.128
085	2013/04/19 09:41:09	0.016	0.128
086	2013/04/19 09:42:09	0.016	0.128
087	2013/04/19 09:43:09	0.017	0.128
088	2013/04/19 09:44:09	0.017	0.127
089	2013/04/19 09:45:09	0.017	0.127
090	2013/04/19 09:46:09	0.018	0.127
091	2013/04/19 09:47:09	0.018	0.127
092	2013/04/19 09:48:09	0.018	0.127
093	2013/04/19 09:49:09	0.018	0.127
094	2013/04/19 09:50:09	0.019	0.127
095	2013/04/19 09:51:09	0.019	0.127
096	2013/04/19 09:52:09	0.019	0.127
097	2013/04/19 09:53:09	0.019	0.126

098	2013/04/19 09:54:09	0.020	0.126
099	2013/04/19 09:55:09	0.020	0.126
100	2013/04/19 09:56:09	0.020	0.126
101	2013/04/19 09:57:09	0.020	0.126
102	2013/04/19 09:58:09	0.021	0.126
103	2013/04/19 09:59:09	0.021	0.126
104	2013/04/19 10:00:09	0.021	0.126
105	2013/04/19 10:01:09	0.021	0.126
106	2013/04/19 10:02:09	0.022	0.126
107	2013/04/19 10:03:09	0.022	0.126
108	2013/04/19 10:04:09	0.022	0.126
109	2013/04/19 10:05:09	0.023	0.126
110	2013/04/19 10:06:09	0.023	0.126
111	2013/04/19 10:07:09	0.023	0.127
112	2013/04/19 10:08:09	0.023	0.127
113	2013/04/19 10:09:09	0.024	0.127
114	2013/04/19 10:10:09	0.024	0.127
115	2013/04/19 10:11:09	0.024	0.127
116	2013/04/19 10:12:09	0.024	0.127
117	2013/04/19 10:13:09	0.025	0.128
118	2013/04/19 10:14:09	0.025	0.128
119	2013/04/19 10:15:09	0.025	0.128
120	2013/04/19 10:16:09	0.025	0.129
121	2013/04/19 10:17:09	0.026	0.129
122	2013/04/19 10:18:09	0.026	0.129
123	2013/04/19 10:19:09	0.026	0.130
124	2013/04/19 10:20:09	0.027	0.130
125	2013/04/19 10:21:09	0.027	0.131
126	2013/04/19 10:22:09	0.027	0.131
127	2013/04/19 10:23:09	0.027	0.132
128	2013/04/19 10:24:09	0.028	0.132
129	2013/04/19 10:25:09	0.028	0.133
130	2013/04/19 10:26:09	0.028	0.134

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13/04/22 08:13

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-909117
Unit Firmware Ver	V1.10C

Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Manual
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2013/04/22 08:13:58
End	2013/04/22 17:34:27
Sample Period(s)	60
Number of Records	560

Sensor	VOC(ppm)
Span	100.000
Span 2	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000

STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/22 08:13
Peak 0.382
Min 0.033
Average 0.275

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	
001	2013/04/22	08:14:58	0.024	0.050	0.033
002	2013/04/22	08:15:58	0.050	0.062	0.059
003	2013/04/22	08:16:58	0.069	0.077	0.076
004	2013/04/22	08:17:58	0.082	0.091	0.090
005	2013/04/22	08:18:58	0.097	0.103	0.103
006	2013/04/22	08:19:58	0.106	0.114	0.114
007	2013/04/22	08:20:58	0.119	0.125	0.123
008	2013/04/22	08:21:58	0.127	0.133	0.131
009	2013/04/22	08:22:58	0.136	0.145	0.143
010	2013/04/22	08:23:58	0.144	0.149	0.148
011	2013/04/22	08:24:58	0.150	0.156	0.154
012	2013/04/22	08:25:58	0.156	0.164	0.157
013	2013/04/22	08:26:58	0.160	0.166	0.163
014	2013/04/22	08:27:58	0.168	0.181	0.177
015	2013/04/22	08:28:58	0.179	0.187	0.185
016	2013/04/22	08:29:58	0.182	0.188	0.177
017	2013/04/22	08:30:58	0.188	0.194	0.180
018	2013/04/22	08:31:58	0.184	0.195	0.181
019	2013/04/22	08:32:58	0.179	0.184	0.184
020	2013/04/22	08:33:58	0.188	0.200	0.198
021	2013/04/22	08:34:58	0.191	0.197	0.192
022	2013/04/22	08:35:58	0.202	0.212	0.198
023	2013/04/22	08:36:58	0.194	0.201	0.193
024	2013/04/22	08:37:58	0.199	0.204	0.200
025	2013/04/22	08:38:58	0.201	0.207	0.205
026	2013/04/22	08:39:58	0.212	0.223	0.210
027	2013/04/22	08:40:58	0.207	0.211	0.202
028	2013/04/22	08:41:58	0.201	0.215	0.209
029	2013/04/22	08:42:58	0.214	0.231	0.231
030	2013/04/22	08:43:58	0.223	0.236	0.222
031	2013/04/22	08:44:58	0.228	0.239	0.236
032	2013/04/22	08:45:58	0.232	0.240	0.219
033	2013/04/22	08:46:58	0.222	0.234	0.227
034	2013/04/22	08:47:58	0.228	0.241	0.223
035	2013/04/22	08:48:58	0.226	0.238	0.225
036	2013/04/22	08:49:58	0.230	0.238	0.233
037	2013/04/22	08:50:58	0.230	0.240	0.234
038	2013/04/22	08:51:58	0.234	0.242	0.236
039	2013/04/22	08:52:58	0.241	0.252	0.238
040	2013/04/22	08:53:58	0.239	0.247	0.244
041	2013/04/22	08:54:58	0.244	0.255	0.249
042	2013/04/22	08:55:58	0.242	0.262	0.262
043	2013/04/22	08:56:58	0.256	0.265	0.256
044	2013/04/22	08:57:58	0.247	0.255	0.248
045	2013/04/22	08:58:58	0.250	0.258	0.255
046	2013/04/22	08:59:58	0.250	0.256	0.249
047	2013/04/22	09:00:58	0.255	0.270	0.270
048	2013/04/22	09:01:58	0.261	0.270	0.268
049	2013/04/22	09:02:58	0.265	0.274	0.266
050	2013/04/22	09:03:58	0.257	0.269	0.246
051	2013/04/22	09:04:58	0.259	0.271	0.261

052	2013/04/22	09:05:58	0.273	0.282	0.275
053	2013/04/22	09:06:58	0.272	0.286	0.286
054	2013/04/22	09:07:58	0.278	0.288	0.285
055	2013/04/22	09:08:58	0.279	0.292	0.268
056	2013/04/22	09:09:58	0.284	0.295	0.279
057	2013/04/22	09:10:58	0.273	0.284	0.276
058	2013/04/22	09:11:58	0.279	0.302	0.288
059	2013/04/22	09:12:58	0.291	0.299	0.288
060	2013/04/22	09:13:58	0.277	0.292	0.281
061	2013/04/22	09:14:58	0.281	0.292	0.287
062	2013/04/22	09:15:58	0.282	0.293	0.284
063	2013/04/22	09:16:58	0.290	0.302	0.290
064	2013/04/22	09:17:58	0.299	0.309	0.302
065	2013/04/22	09:18:58	0.292	0.305	0.305
066	2013/04/22	09:19:58	0.290	0.299	0.296
067	2013/04/22	09:20:58	0.291	0.301	0.288
068	2013/04/22	09:21:58	0.290	0.304	0.287
069	2013/04/22	09:22:58	0.291	0.303	0.303
070	2013/04/22	09:23:58	0.296	0.307	0.297
071	2013/04/22	09:24:58	0.297	0.321	0.310
072	2013/04/22	09:25:58	0.292	0.309	0.294
073	2013/04/22	09:26:58	0.297	0.311	0.311
074	2013/04/22	09:27:58	0.300	0.317	0.299
075	2013/04/22	09:28:58	0.301	0.317	0.300
076	2013/04/22	09:29:58	0.296	0.311	0.301
077	2013/04/22	09:30:58	0.301	0.324	0.298
078	2013/04/22	09:31:58	0.305	0.316	0.300
079	2013/04/22	09:32:58	0.307	0.318	0.306
080	2013/04/22	09:33:58	0.310	0.329	0.316
081	2013/04/22	09:34:58	0.322	0.339	0.334
082	2013/04/22	09:35:58	0.325	0.340	0.317
083	2013/04/22	09:36:58	0.318	0.331	0.327
084	2013/04/22	09:37:58	0.329	0.341	0.329
085	2013/04/22	09:38:58	0.314	0.332	0.287
086	2013/04/22	09:39:58	0.305	0.322	0.319
087	2013/04/22	09:40:58	0.308	0.318	0.317
088	2013/04/22	09:41:58	0.313	0.334	0.313
089	2013/04/22	09:42:58	0.310	0.327	0.316
090	2013/04/22	09:43:58	0.308	0.327	0.301
091	2013/04/22	09:44:58	0.310	0.322	0.311
092	2013/04/22	09:45:58	0.313	0.324	0.318
093	2013/04/22	09:46:58	0.307	0.319	0.307
094	2013/04/22	09:47:58	0.305	0.314	0.306
095	2013/04/22	09:48:58	0.308	0.322	0.312
096	2013/04/22	09:49:58	0.313	0.328	0.316
097	2013/04/22	09:50:58	0.313	0.330	0.330
098	2013/04/22	09:51:58	0.326	0.344	0.336
099	2013/04/22	09:52:58	0.330	0.347	0.324
100	2013/04/22	09:53:58	0.327	0.341	0.325
101	2013/04/22	09:54:58	0.328	0.344	0.340
102	2013/04/22	09:55:58	0.327	0.340	0.334
103	2013/04/22	09:56:58	0.325	0.338	0.315
104	2013/04/22	09:57:58	0.325	0.342	0.342
105	2013/04/22	09:58:58	0.331	0.349	0.339
106	2013/04/22	09:59:58	0.319	0.339	0.309
107	2013/04/22	10:00:58	0.308	0.326	0.312
108	2013/04/22	10:01:58	0.314	0.332	0.317
109	2013/04/22	10:02:58	0.319	0.335	0.332
110	2013/04/22	10:03:58	0.317	0.332	0.311
111	2013/04/22	10:04:58	0.319	0.340	0.326
112	2013/04/22	10:05:58	0.312	0.325	0.320
113	2013/04/22	10:06:58	0.320	0.342	0.311
114	2013/04/22	10:07:58	0.315	0.328	0.314

115	2013/04/22	10:08:58	0.318	0.332	0.316
116	2013/04/22	10:09:58	0.312	0.330	0.310
117	2013/04/22	10:10:58	0.311	0.324	0.311
118	2013/04/22	10:11:58	0.321	0.347	0.330
119	2013/04/22	10:12:58	0.319	0.335	0.319
120	2013/04/22	10:13:58	0.330	0.361	0.345
121	2013/04/22	10:14:58	0.333	0.354	0.319
122	2013/04/22	10:15:58	0.320	0.334	0.319
123	2013/04/22	10:16:58	0.320	0.335	0.331
124	2013/04/22	10:17:58	0.322	0.339	0.319
125	2013/04/22	10:18:58	0.323	0.338	0.324
126	2013/04/22	10:19:58	0.326	0.341	0.329
127	2013/04/22	10:20:58	0.337	0.356	0.354
128	2013/04/22	10:21:58	0.339	0.356	0.340
129	2013/04/22	10:22:58	0.338	0.349	0.332
130	2013/04/22	10:23:58	0.337	0.359	0.331
131	2013/04/22	10:24:58	0.346	0.366	0.341
132	2013/04/22	10:25:58	0.343	0.358	0.341
133	2013/04/22	10:26:58	0.343	0.360	0.346
134	2013/04/22	10:27:58	0.342	0.357	0.346
135	2013/04/22	10:28:58	0.352	0.373	0.356
136	2013/04/22	10:29:58	0.357	0.374	0.357
137	2013/04/22	10:30:58	0.354	0.368	0.354
138	2013/04/22	10:31:58	0.351	0.365	0.345
139	2013/04/22	10:32:58	0.339	0.354	0.342
140	2013/04/22	10:33:58	0.340	0.352	0.340
141	2013/04/22	10:34:58	0.343	0.357	0.348
142	2013/04/22	10:35:58	0.338	0.353	0.316
143	2013/04/22	10:36:58	0.332	0.355	0.342
144	2013/04/22	10:37:58	0.347	0.355	0.344
145	2013/04/22	10:38:58	0.350	0.365	0.351
146	2013/04/22	10:39:58	0.350	0.357	0.341
147	2013/04/22	10:40:58	0.348	0.354	0.336
148	2013/04/22	10:41:58	0.354	0.363	0.352
149	2013/04/22	10:42:58	0.350	0.367	0.345
150	2013/04/22	10:43:58	0.353	0.370	0.362
151	2013/04/22	10:44:58	0.355	0.364	0.355
152	2013/04/22	10:45:58	0.349	0.361	0.352
153	2013/04/22	10:46:58	0.357	0.371	0.365
154	2013/04/22	10:47:58	0.358	0.372	0.361
155	2013/04/22	10:48:58	0.356	0.369	0.358
156	2013/04/22	10:49:58	0.355	0.368	0.361
157	2013/04/22	10:50:58	0.359	0.370	0.367
158	2013/04/22	10:51:58	0.364	0.372	0.357
159	2013/04/22	10:52:58	0.367	0.387	0.352
160	2013/04/22	10:53:58	0.352	0.365	0.355
161	2013/04/22	10:54:58	0.359	0.372	0.363
162	2013/04/22	10:55:58	0.358	0.368	0.362
163	2013/04/22	10:56:58	0.350	0.363	0.351
164	2013/04/22	10:57:58	0.371	0.393	0.365
165	2013/04/22	10:58:58	0.357	0.383	0.366
166	2013/04/22	10:59:58	0.371	0.384	0.382
167	2013/04/22	11:00:58	0.365	0.378	0.375
168	2013/04/22	11:01:58	0.365	0.377	0.377
169	2013/04/22	11:02:58	0.360	0.377	0.358
170	2013/04/22	11:03:58	0.343	0.366	0.335
171	2013/04/22	11:04:58	0.341	0.423	0.333
172	2013/04/22	11:05:58	0.340	0.353	0.341
173	2013/04/22	11:06:58	0.335	0.346	0.333
174	2013/04/22	11:07:58	0.329	0.334	0.328
175	2013/04/22	11:08:58	0.325	0.334	0.332
176	2013/04/22	11:09:58	0.330	0.341	0.326
177	2013/04/22	11:10:58	0.326	0.331	0.331

178	2013/04/22	11:11:58	0.321	0.331	0.315
179	2013/04/22	11:12:58	0.313	0.320	0.320
180	2013/04/22	11:13:58	0.320	0.330	0.306
181	2013/04/22	11:14:58	0.313	0.326	0.312
182	2013/04/22	11:15:58	0.315	0.328	0.293
183	2013/04/22	11:16:58	0.308	0.314	0.310
184	2013/04/22	11:17:58	0.309	0.314	0.311
185	2013/04/22	11:18:58	0.313	0.321	0.315
186	2013/04/22	11:19:58	0.318	0.327	0.324
187	2013/04/22	11:20:58	0.311	0.322	0.316
188	2013/04/22	11:21:58	0.306	0.317	0.295
189	2013/04/22	11:22:58	0.307	0.318	0.314
190	2013/04/22	11:23:58	0.314	0.319	0.318
191	2013/04/22	11:24:58	0.310	0.322	0.300
192	2013/04/22	11:25:58	0.303	0.315	0.302
193	2013/04/22	11:26:58	0.304	0.309	0.304
194	2013/04/22	11:27:58	0.304	0.312	0.305
195	2013/04/22	11:28:58	0.313	0.322	0.308
196	2013/04/22	11:29:58	0.304	0.308	0.301
197	2013/04/22	11:30:58	0.307	0.317	0.304
198	2013/04/22	11:31:58	0.293	0.309	0.297
199	2013/04/22	11:32:58	0.296	0.302	0.296
200	2013/04/22	11:33:58	0.301	0.312	0.299
201	2013/04/22	11:34:58	0.303	0.314	0.300
202	2013/04/22	11:35:58	0.296	0.305	0.297
203	2013/04/22	11:36:58	0.286	0.298	0.295
204	2013/04/22	11:37:58	0.305	0.312	0.301
205	2013/04/22	11:38:58	0.295	0.305	0.283
206	2013/04/22	11:39:58	0.295	0.302	0.298
207	2013/04/22	11:40:58	0.296	0.306	0.289
208	2013/04/22	11:41:58	0.292	0.300	0.294
209	2013/04/22	11:42:58	0.293	0.298	0.291
210	2013/04/22	11:43:58	0.284	0.295	0.280
211	2013/04/22	11:44:58	0.278	0.286	0.275
212	2013/04/22	11:45:58	0.281	0.289	0.282
213	2013/04/22	11:46:58	0.285	0.293	0.287
214	2013/04/22	11:47:58	0.281	0.290	0.283
215	2013/04/22	11:48:58	0.277	0.284	0.281
216	2013/04/22	11:49:58	0.279	0.288	0.275
217	2013/04/22	11:50:58	0.272	0.279	0.271
218	2013/04/22	11:51:58	0.279	0.290	0.289
219	2013/04/22	11:52:58	0.271	0.288	0.262
220	2013/04/22	11:53:58	0.263	0.273	0.264
221	2013/04/22	11:54:58	0.266	0.279	0.263
222	2013/04/22	11:55:58	0.260	0.267	0.267
223	2013/04/22	11:56:58	0.265	0.271	0.267
224	2013/04/22	11:57:58	0.265	0.275	0.275
225	2013/04/22	11:58:58	0.278	0.287	0.279
226	2013/04/22	11:59:58	0.266	0.277	0.274
227	2013/04/22	12:00:58	0.273	0.283	0.267
228	2013/04/22	12:01:58	0.269	0.280	0.269
229	2013/04/22	12:02:58	0.267	0.276	0.270
230	2013/04/22	12:03:58	0.266	0.273	0.270
231	2013/04/22	12:04:58	0.266	0.273	0.266
232	2013/04/22	12:05:58	0.264	0.270	0.262
233	2013/04/22	12:06:58	0.263	0.268	0.266
234	2013/04/22	12:07:58	0.266	0.271	0.267
235	2013/04/22	12:08:58	0.265	0.271	0.270
236	2013/04/22	12:09:58	0.269	0.277	0.266
237	2013/04/22	12:10:58	0.251	0.267	0.263
238	2013/04/22	12:11:58	0.263	0.270	0.259
239	2013/04/22	12:12:58	0.266	0.272	0.260
240	2013/04/22	12:13:58	0.271	0.279	0.272

241	2013/04/22	12:14:58	0.263	0.277	0.262
242	2013/04/22	12:15:58	0.279	0.288	0.279
243	2013/04/22	12:16:58	0.276	0.288	0.267
244	2013/04/22	12:17:58	0.282	0.289	0.288
245	2013/04/22	12:18:58	0.280	0.292	0.275
246	2013/04/22	12:19:58	0.266	0.274	0.259
247	2013/04/22	12:20:58	0.264	0.269	0.260
248	2013/04/22	12:21:58	0.273	0.280	0.276
249	2013/04/22	12:22:58	0.268	0.280	0.263
250	2013/04/22	12:23:58	0.266	0.274	0.262
251	2013/04/22	12:24:58	0.261	0.267	0.265
252	2013/04/22	12:25:58	0.274	0.281	0.271
253	2013/04/22	12:26:58	0.262	0.272	0.263
254	2013/04/22	12:27:58	0.264	0.271	0.262
255	2013/04/22	12:28:58	0.262	0.271	0.258
256	2013/04/22	12:29:58	0.259	0.271	0.262
257	2013/04/22	12:30:58	0.256	0.269	0.241
258	2013/04/22	12:31:58	0.252	0.262	0.257
259	2013/04/22	12:32:58	0.262	0.272	0.247
260	2013/04/22	12:33:58	0.257	0.284	0.268
261	2013/04/22	12:34:58	0.261	0.268	0.257
262	2013/04/22	12:35:58	0.269	0.278	0.274
263	2013/04/22	12:36:58	0.266	0.273	0.268
264	2013/04/22	12:37:58	0.271	0.279	0.268
265	2013/04/22	12:38:58	0.269	0.275	0.267
266	2013/04/22	12:39:58	0.267	0.277	0.251
267	2013/04/22	12:40:58	0.266	0.279	0.267
268	2013/04/22	12:41:58	0.262	0.275	0.263
269	2013/04/22	12:42:58	0.265	0.272	0.266
270	2013/04/22	12:43:58	0.262	0.268	0.265
271	2013/04/22	12:44:58	0.259	0.264	0.259
272	2013/04/22	12:45:58	0.260	0.267	0.262
273	2013/04/22	12:46:58	0.263	0.269	0.266
274	2013/04/22	12:47:58	0.274	0.280	0.277
275	2013/04/22	12:48:58	0.269	0.277	0.264
276	2013/04/22	12:49:58	0.273	0.280	0.280
277	2013/04/22	12:50:58	0.274	0.281	0.275
278	2013/04/22	12:51:58	0.270	0.275	0.270
279	2013/04/22	12:52:58	0.270	0.277	0.263
280	2013/04/22	12:53:58	0.270	0.283	0.279
281	2013/04/22	12:54:58	0.275	0.285	0.274
282	2013/04/22	12:55:58	0.275	0.286	0.276
283	2013/04/22	12:56:58	0.273	0.278	0.275
284	2013/04/22	12:57:58	0.279	0.286	0.286
285	2013/04/22	12:58:58	0.276	0.285	0.275
286	2013/04/22	12:59:58	0.274	0.279	0.276
287	2013/04/22	13:00:58	0.280	0.284	0.277
288	2013/04/22	13:01:58	0.283	0.289	0.270
289	2013/04/22	13:02:58	0.272	0.279	0.271
290	2013/04/22	13:03:58	0.276	0.291	0.291
291	2013/04/22	13:04:58	0.292	0.299	0.298
292	2013/04/22	13:05:58	0.294	0.303	0.296
293	2013/04/22	13:06:58	0.289	0.297	0.285
294	2013/04/22	13:07:58	0.288	0.297	0.285
295	2013/04/22	13:08:58	0.283	0.291	0.286
296	2013/04/22	13:09:58	0.281	0.291	0.280
297	2013/04/22	13:10:58	0.290	0.299	0.287
298	2013/04/22	13:11:58	0.283	0.297	0.297
299	2013/04/22	13:12:58	0.287	0.299	0.294
300	2013/04/22	13:13:58	0.288	0.302	0.301
301	2013/04/22	13:14:58	0.290	0.299	0.290
302	2013/04/22	13:15:58	0.283	0.290	0.278
303	2013/04/22	13:16:58	0.278	0.284	0.284

304	2013/04/22	13:17:58	0.282	0.291	0.291
305	2013/04/22	13:18:58	0.286	0.299	0.285
306	2013/04/22	13:19:58	0.281	0.287	0.278
307	2013/04/22	13:20:58	0.268	0.277	0.276
308	2013/04/22	13:21:58	0.268	0.283	0.262
309	2013/04/22	13:22:58	0.276	0.281	0.278
310	2013/04/22	13:23:58	0.266	0.277	0.266
311	2013/04/22	13:24:58	0.266	0.277	0.264
312	2013/04/22	13:25:58	0.259	0.279	0.253
313	2013/04/22	13:26:58	0.256	0.265	0.254
314	2013/04/22	13:27:58	0.254	0.261	0.256
315	2013/04/22	13:28:58	0.257	0.261	0.259
316	2013/04/22	13:29:58	0.261	0.267	0.260
317	2013/04/22	13:30:58	0.271	0.281	0.268
318	2013/04/22	13:31:58	0.258	0.267	0.255
319	2013/04/22	13:32:58	0.256	0.261	0.256
320	2013/04/22	13:33:58	0.259	0.264	0.258
321	2013/04/22	13:34:58	0.256	0.261	0.256
322	2013/04/22	13:35:58	0.266	0.279	0.277
323	2013/04/22	13:36:58	0.262	0.276	0.258
324	2013/04/22	13:37:58	0.258	0.264	0.252
325	2013/04/22	13:38:58	0.253	0.262	0.257
326	2013/04/22	13:39:58	0.261	0.278	0.249
327	2013/04/22	13:40:58	0.252	0.264	0.257
328	2013/04/22	13:41:58	0.259	0.266	0.266
329	2013/04/22	13:42:58	0.259	0.269	0.253
330	2013/04/22	13:43:58	0.252	0.258	0.254
331	2013/04/22	13:44:58	0.257	0.270	0.270
332	2013/04/22	13:45:58	0.271	0.275	0.267
333	2013/04/22	13:46:58	0.258	0.267	0.249
334	2013/04/22	13:47:58	0.256	0.268	0.256
335	2013/04/22	13:48:58	0.252	0.257	0.253
336	2013/04/22	13:49:58	0.260	0.269	0.267
337	2013/04/22	13:50:58	0.269	0.273	0.271
338	2013/04/22	13:51:58	0.261	0.272	0.260
339	2013/04/22	13:52:58	0.254	0.264	0.261
340	2013/04/22	13:53:58	0.253	0.264	0.251
341	2013/04/22	13:54:58	0.255	0.267	0.267
342	2013/04/22	13:55:58	0.258	0.267	0.255
343	2013/04/22	13:56:58	0.258	0.269	0.257
344	2013/04/22	13:57:58	0.263	0.273	0.264
345	2013/04/22	13:58:58	0.262	0.270	0.259
346	2013/04/22	13:59:58	0.262	0.270	0.263
347	2013/04/22	14:00:58	0.257	0.270	0.253
348	2013/04/22	14:01:58	0.254	0.260	0.243
349	2013/04/22	14:02:58	0.256	0.264	0.262
350	2013/04/22	14:03:58	0.266	0.271	0.268
351	2013/04/22	14:04:58	0.268	0.276	0.265
352	2013/04/22	14:05:58	0.261	0.272	0.259
353	2013/04/22	14:06:58	0.266	0.276	0.276
354	2013/04/22	14:07:58	0.273	0.278	0.267
355	2013/04/22	14:08:58	0.263	0.269	0.258
356	2013/04/22	14:09:58	0.266	0.278	0.264
357	2013/04/22	14:10:58	0.262	0.269	0.268
358	2013/04/22	14:11:58	0.262	0.272	0.262
359	2013/04/22	14:12:58	0.274	0.283	0.276
360	2013/04/22	14:13:58	0.275	0.279	0.274
361	2013/04/22	14:14:58	0.273	0.283	0.273
362	2013/04/22	14:15:58	0.272	0.283	0.279
363	2013/04/22	14:16:58	0.277	0.286	0.280
364	2013/04/22	14:17:58	0.281	0.287	0.282
365	2013/04/22	14:18:58	0.280	0.289	0.275
366	2013/04/22	14:19:58	0.278	0.287	0.278

367	2013/04/22	14:20:58	0.279	0.290	0.270
368	2013/04/22	14:21:58	0.270	0.279	0.273
369	2013/04/22	14:22:58	0.275	0.283	0.278
370	2013/04/22	14:23:58	0.276	0.286	0.281
371	2013/04/22	14:24:58	0.279	0.290	0.269
372	2013/04/22	14:25:58	0.277	0.287	0.281
373	2013/04/22	14:26:58	0.280	0.291	0.291
374	2013/04/22	14:27:58	0.289	0.295	0.286
375	2013/04/22	14:28:58	0.279	0.289	0.278
376	2013/04/22	14:29:58	0.282	0.291	0.279
377	2013/04/22	14:30:58	0.278	0.285	0.275
378	2013/04/22	14:31:58	0.273	0.281	0.272
379	2013/04/22	14:32:58	0.281	0.289	0.284
380	2013/04/22	14:33:58	0.281	0.288	0.285
381	2013/04/22	14:34:58	0.283	0.289	0.279
382	2013/04/22	14:35:58	0.280	0.285	0.283
383	2013/04/22	14:36:58	0.278	0.285	0.279
384	2013/04/22	14:37:58	0.280	0.290	0.290
385	2013/04/22	14:38:58	0.286	0.296	0.280
386	2013/04/22	14:39:58	0.280	0.285	0.271
387	2013/04/22	14:40:58	0.290	0.301	0.290
388	2013/04/22	14:41:58	0.289	0.301	0.288
389	2013/04/22	14:42:58	0.286	0.291	0.287
390	2013/04/22	14:43:58	0.292	0.299	0.288
391	2013/04/22	14:44:58	0.275	0.289	0.282
392	2013/04/22	14:45:58	0.287	0.294	0.286
393	2013/04/22	14:46:58	0.286	0.296	0.293
394	2013/04/22	14:47:58	0.289	0.302	0.285
395	2013/04/22	14:48:58	0.284	0.291	0.289
396	2013/04/22	14:49:58	0.278	0.288	0.269
397	2013/04/22	14:50:58	0.277	0.290	0.277
398	2013/04/22	14:51:58	0.287	0.294	0.283
399	2013/04/22	14:52:58	0.275	0.284	0.277
400	2013/04/22	14:53:58	0.277	0.283	0.280
401	2013/04/22	14:54:58	0.278	0.288	0.255
402	2013/04/22	14:55:58	0.275	0.282	0.278
403	2013/04/22	14:56:58	0.271	0.281	0.274
404	2013/04/22	14:57:58	0.271	0.278	0.277
405	2013/04/22	14:58:58	0.272	0.285	0.266
406	2013/04/22	14:59:58	0.279	0.291	0.280
407	2013/04/22	15:00:58	0.275	0.280	0.275
408	2013/04/22	15:01:58	0.270	0.288	0.252
409	2013/04/22	15:02:58	0.267	0.274	0.274
410	2013/04/22	15:03:58	0.268	0.280	0.269
411	2013/04/22	15:04:58	0.271	0.275	0.275
412	2013/04/22	15:05:58	0.267	0.277	0.266
413	2013/04/22	15:06:58	0.261	0.272	0.267
414	2013/04/22	15:07:58	0.267	0.280	0.250
415	2013/04/22	15:08:58	0.261	0.269	0.269
416	2013/04/22	15:09:58	0.267	0.276	0.266
417	2013/04/22	15:10:58	0.273	0.280	0.270
418	2013/04/22	15:11:58	0.273	0.283	0.268
419	2013/04/22	15:12:58	0.274	0.280	0.277
420	2013/04/22	15:13:58	0.281	0.288	0.283
421	2013/04/22	15:14:58	0.279	0.287	0.287
422	2013/04/22	15:15:58	0.284	0.291	0.276
423	2013/04/22	15:16:58	0.279	0.287	0.276
424	2013/04/22	15:17:58	0.279	0.286	0.284
425	2013/04/22	15:18:58	0.280	0.286	0.279
426	2013/04/22	15:19:58	0.220	0.280	0.189
427	2013/04/22	15:20:58	0.199	0.205	0.205
428	2013/04/22	15:21:58	0.214	0.223	0.223
429	2013/04/22	15:22:58	0.225	0.232	0.227

430	2013/04/22	15:23:58	0.236	0.245	0.243
431	2013/04/22	15:24:58	0.242	0.248	0.244
432	2013/04/22	15:25:58	0.246	0.252	0.248
433	2013/04/22	15:26:58	0.240	0.247	0.236
434	2013/04/22	15:27:58	0.245	0.258	0.244
435	2013/04/22	15:28:58	0.252	0.266	0.262
436	2013/04/22	15:29:58	0.256	0.264	0.260
437	2013/04/22	15:30:58	0.259	0.266	0.259
438	2013/04/22	15:31:58	0.260	0.267	0.262
439	2013/04/22	15:32:58	0.269	0.276	0.271
440	2013/04/22	15:33:58	0.268	0.276	0.265
441	2013/04/22	15:34:58	0.260	0.272	0.266
442	2013/04/22	15:35:58	0.263	0.271	0.267
443	2013/04/22	15:36:58	0.266	0.273	0.266
444	2013/04/22	15:37:58	0.264	0.269	0.266
445	2013/04/22	15:38:58	0.271	0.281	0.270
446	2013/04/22	15:39:58	0.268	0.276	0.270
447	2013/04/22	15:40:58	0.263	0.270	0.268
448	2013/04/22	15:41:58	0.268	0.280	0.264
449	2013/04/22	15:42:58	0.266	0.272	0.272
450	2013/04/22	15:43:58	0.274	0.279	0.277
451	2013/04/22	15:44:58	0.271	0.279	0.275
452	2013/04/22	15:45:58	0.269	0.279	0.279
453	2013/04/22	15:46:58	0.276	0.284	0.274
454	2013/04/22	15:47:58	0.273	0.277	0.277
455	2013/04/22	15:48:58	0.277	0.282	0.279
456	2013/04/22	15:49:58	0.273	0.280	0.271
457	2013/04/22	15:50:58	0.274	0.279	0.277
458	2013/04/22	15:51:58	0.271	0.278	0.265
459	2013/04/22	15:52:58	0.263	0.268	0.259
460	2013/04/22	15:53:58	0.264	0.273	0.267
461	2013/04/22	15:54:58	0.265	0.268	0.266
462	2013/04/22	15:55:58	0.268	0.277	0.274
463	2013/04/22	15:56:58	0.278	0.283	0.276
464	2013/04/22	15:57:58	0.273	0.278	0.268
465	2013/04/22	15:58:58	0.262	0.268	0.267
466	2013/04/22	15:59:58	0.261	0.266	0.264
467	2013/04/22	16:00:58	0.266	0.279	0.279
468	2013/04/22	16:01:58	0.272	0.281	0.273
469	2013/04/22	16:02:58	0.276	0.283	0.272
470	2013/04/22	16:03:58	0.272	0.278	0.272
471	2013/04/22	16:04:58	0.271	0.278	0.271
472	2013/04/22	16:05:58	0.274	0.283	0.239
473	2013/04/22	16:06:58	0.267	0.276	0.264
474	2013/04/22	16:07:58	0.260	0.266	0.259
475	2013/04/22	16:08:58	0.264	0.270	0.268
476	2013/04/22	16:09:58	0.269	0.275	0.270
477	2013/04/22	16:10:58	0.260	0.270	0.262
478	2013/04/22	16:11:58	0.264	0.269	0.261
479	2013/04/22	16:12:58	0.260	0.269	0.259
480	2013/04/22	16:13:58	0.259	0.265	0.265
481	2013/04/22	16:14:58	0.253	0.265	0.254
482	2013/04/22	16:15:58	0.253	0.262	0.252
483	2013/04/22	16:16:58	0.256	0.260	0.255
484	2013/04/22	16:17:58	0.257	0.262	0.258
485	2013/04/22	16:18:58	0.260	0.271	0.271
486	2013/04/22	16:19:58	0.260	0.274	0.255
487	2013/04/22	16:20:58	0.257	0.261	0.257
488	2013/04/22	16:21:58	0.267	0.273	0.269
489	2013/04/22	16:22:58	0.261	0.269	0.266
490	2013/04/22	16:23:58	0.259	0.269	0.259
491	2013/04/22	16:24:58	0.256	0.260	0.256
492	2013/04/22	16:25:58	0.256	0.266	0.266

493	2013/04/22	16:26:58	0.262	0.269	0.257
494	2013/04/22	16:27:58	0.257	0.262	0.262
495	2013/04/22	16:28:58	0.259	0.265	0.261
496	2013/04/22	16:29:58	0.256	0.261	0.257
497	2013/04/22	16:30:58	0.262	0.267	0.259
498	2013/04/22	16:31:58	0.254	0.259	0.252
499	2013/04/22	16:32:58	0.255	0.260	0.259
500	2013/04/22	16:33:58	0.252	0.259	0.250
501	2013/04/22	16:34:58	0.254	0.258	0.256
502	2013/04/22	16:35:58	0.260	0.264	0.262
503	2013/04/22	16:36:58	0.263	0.270	0.265
504	2013/04/22	16:37:58	0.260	0.266	0.255
505	2013/04/22	16:38:58	0.259	0.263	0.257
506	2013/04/22	16:39:58	0.253	0.260	0.260
507	2013/04/22	16:40:58	0.250	0.261	0.255
508	2013/04/22	16:41:58	0.260	0.265	0.260
509	2013/04/22	16:42:58	0.260	0.267	0.256
510	2013/04/22	16:43:58	0.261	0.269	0.260
511	2013/04/22	16:44:58	0.258	0.265	0.259
512	2013/04/22	16:45:58	0.261	0.267	0.260
513	2013/04/22	16:46:58	0.260	0.263	0.261
514	2013/04/22	16:47:58	0.260	0.266	0.260
515	2013/04/22	16:48:58	0.265	0.273	0.272
516	2013/04/22	16:49:58	0.264	0.272	0.266
517	2013/04/22	16:50:58	0.263	0.266	0.264
518	2013/04/22	16:51:58	0.267	0.274	0.263
519	2013/04/22	16:52:58	0.262	0.272	0.265
520	2013/04/22	16:53:58	0.260	0.264	0.259
521	2013/04/22	16:54:58	0.264	0.273	0.259
522	2013/04/22	16:55:58	0.258	0.263	0.261
523	2013/04/22	16:56:58	0.262	0.268	0.262
524	2013/04/22	16:57:58	0.263	0.272	0.258
525	2013/04/22	16:58:58	0.255	0.267	0.252
526	2013/04/22	16:59:58	0.255	0.266	0.261
527	2013/04/22	17:00:58	0.253	0.262	0.258
528	2013/04/22	17:01:58	0.249	0.259	0.249
529	2013/04/22	17:02:58	0.255	0.263	0.251
530	2013/04/22	17:03:58	0.254	0.265	0.255
531	2013/04/22	17:04:58	0.250	0.256	0.253
532	2013/04/22	17:05:58	0.248	0.255	0.252
533	2013/04/22	17:06:58	0.251	0.256	0.252
534	2013/04/22	17:07:58	0.248	0.252	0.241
535	2013/04/22	17:08:58	0.247	0.251	0.250
536	2013/04/22	17:09:58	0.241	0.248	0.225
537	2013/04/22	17:10:58	0.243	0.253	0.253
538	2013/04/22	17:11:58	0.250	0.259	0.256
539	2013/04/22	17:12:58	0.250	0.254	0.249
540	2013/04/22	17:13:58	0.244	0.251	0.243
541	2013/04/22	17:14:58	0.248	0.253	0.246
542	2013/04/22	17:15:58	0.242	0.246	0.241
543	2013/04/22	17:16:58	0.245	0.251	0.247
544	2013/04/22	17:17:58	0.246	0.255	0.249
545	2013/04/22	17:18:58	0.242	0.247	0.240
546	2013/04/22	17:19:58	0.243	0.253	0.242
547	2013/04/22	17:20:58	0.244	0.250	0.246
548	2013/04/22	17:21:58	0.240	0.246	0.242
549	2013/04/22	17:22:58	0.238	0.243	0.241
550	2013/04/22	17:23:58	0.244	0.253	0.247
551	2013/04/22	17:24:58	0.241	0.249	0.241
552	2013/04/22	17:25:58	0.238	0.241	0.239
553	2013/04/22	17:26:58	0.243	0.249	0.241
554	2013/04/22	17:27:58	0.240	0.244	0.244
555	2013/04/22	17:28:58	0.243	0.251	0.235

556	2013/04/22 17:29:58	0.245	0.253	0.242
557	2013/04/22 17:30:58	0.234	0.242	0.236
558	2013/04/22 17:31:58	0.237	0.245	0.237
559	2013/04/22 17:32:58	0.239	0.245	0.237
560	2013/04/22 17:33:58	0.239	0.245	0.238
Peak		0.371	0.423	0.382
Min		0.024	0.050	0.033
Average		0.274	0.284	0.275

****

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/04/22 08:14:58	0.000	---	
002	2013/04/22 08:15:58	0.000	---	
003	2013/04/22 08:16:58	0.000	---	
004	2013/04/22 08:17:58	0.001	---	
005	2013/04/22 08:18:58	0.001	---	
006	2013/04/22 08:19:58	0.001	---	
007	2013/04/22 08:20:58	0.001	---	
008	2013/04/22 08:21:58	0.002	---	
009	2013/04/22 08:22:58	0.002	---	
010	2013/04/22 08:23:58	0.002	---	
011	2013/04/22 08:24:58	0.002	---	
012	2013/04/22 08:25:58	0.003	---	
013	2013/04/22 08:26:58	0.003	---	
014	2013/04/22 08:27:58	0.003	---	
015	2013/04/22 08:28:58	0.004	0.124	
016	2013/04/22 08:29:58	0.004	0.133	
017	2013/04/22 08:30:58	0.005	0.141	
018	2013/04/22 08:31:58	0.005	0.148	
019	2013/04/22 08:32:58	0.005	0.155	
020	2013/04/22 08:33:58	0.006	0.161	
021	2013/04/22 08:34:58	0.006	0.166	
022	2013/04/22 08:35:58	0.007	0.171	
023	2013/04/22 08:36:58	0.007	0.175	
024	2013/04/22 08:37:58	0.007	0.179	
025	2013/04/22 08:38:58	0.008	0.183	
026	2013/04/22 08:39:58	0.008	0.187	
027	2013/04/22 08:40:58	0.009	0.190	
028	2013/04/22 08:41:58	0.009	0.193	
029	2013/04/22 08:42:58	0.010	0.196	
030	2013/04/22 08:43:58	0.010	0.199	
031	2013/04/22 08:44:58	0.011	0.203	
032	2013/04/22 08:45:58	0.011	0.205	
033	2013/04/22 08:46:58	0.012	0.208	
034	2013/04/22 08:47:58	0.012	0.211	
035	2013/04/22 08:48:58	0.012	0.213	
036	2013/04/22 08:49:58	0.013	0.216	
037	2013/04/22 08:50:58	0.013	0.218	
038	2013/04/22 08:51:58	0.014	0.221	
039	2013/04/22 08:52:58	0.014	0.223	
040	2013/04/22 08:53:58	0.015	0.226	
041	2013/04/22 08:54:58	0.015	0.229	
042	2013/04/22 08:55:58	0.016	0.233	
043	2013/04/22 08:56:58	0.017	0.236	
044	2013/04/22 08:57:58	0.017	0.237	
045	2013/04/22 08:58:58	0.018	0.239	
046	2013/04/22 08:59:58	0.018	0.240	
047	2013/04/22 09:00:58	0.019	0.243	
048	2013/04/22 09:01:58	0.019	0.246	
049	2013/04/22 09:02:58	0.020	0.249	
050	2013/04/22 09:03:58	0.020	0.250	

051	2013/04/22	09:04:58	0.021	0.252
052	2013/04/22	09:05:58	0.021	0.255
053	2013/04/22	09:06:58	0.022	0.258
054	2013/04/22	09:07:58	0.023	0.261
055	2013/04/22	09:08:58	0.023	0.263
056	2013/04/22	09:09:58	0.024	0.265
057	2013/04/22	09:10:58	0.024	0.266
058	2013/04/22	09:11:58	0.025	0.268
059	2013/04/22	09:12:58	0.025	0.271
060	2013/04/22	09:13:58	0.026	0.272
061	2013/04/22	09:14:58	0.027	0.275
062	2013/04/22	09:15:58	0.027	0.276
063	2013/04/22	09:16:58	0.028	0.277
064	2013/04/22	09:17:58	0.028	0.280
065	2013/04/22	09:18:58	0.029	0.284
066	2013/04/22	09:19:58	0.030	0.286
067	2013/04/22	09:20:58	0.030	0.287
068	2013/04/22	09:21:58	0.031	0.287
069	2013/04/22	09:22:58	0.032	0.288
070	2013/04/22	09:23:58	0.032	0.290
071	2013/04/22	09:24:58	0.033	0.292
072	2013/04/22	09:25:58	0.033	0.293
073	2013/04/22	09:26:58	0.034	0.295
074	2013/04/22	09:27:58	0.035	0.296
075	2013/04/22	09:28:58	0.035	0.297
076	2013/04/22	09:29:58	0.036	0.298
077	2013/04/22	09:30:58	0.037	0.299
078	2013/04/22	09:31:58	0.037	0.299
079	2013/04/22	09:32:58	0.038	0.300
080	2013/04/22	09:33:58	0.039	0.300
081	2013/04/22	09:34:58	0.039	0.303
082	2013/04/22	09:35:58	0.040	0.305
083	2013/04/22	09:36:58	0.041	0.308
084	2013/04/22	09:37:58	0.041	0.309
085	2013/04/22	09:38:58	0.042	0.309
086	2013/04/22	09:39:58	0.042	0.309
087	2013/04/22	09:40:58	0.043	0.311
088	2013/04/22	09:41:58	0.044	0.311
089	2013/04/22	09:42:58	0.044	0.312
090	2013/04/22	09:43:58	0.045	0.312
091	2013/04/22	09:44:58	0.046	0.313
092	2013/04/22	09:45:58	0.046	0.314
093	2013/04/22	09:46:58	0.047	0.315
094	2013/04/22	09:47:58	0.048	0.315
095	2013/04/22	09:48:58	0.048	0.314
096	2013/04/22	09:49:58	0.049	0.313
097	2013/04/22	09:50:58	0.050	0.314
098	2013/04/22	09:51:58	0.050	0.315
099	2013/04/22	09:52:58	0.051	0.314
100	2013/04/22	09:53:58	0.052	0.317
101	2013/04/22	09:54:58	0.052	0.318
102	2013/04/22	09:55:58	0.053	0.319
103	2013/04/22	09:56:58	0.054	0.319
104	2013/04/22	09:57:58	0.054	0.321
105	2013/04/22	09:58:58	0.055	0.324
106	2013/04/22	09:59:58	0.056	0.324
107	2013/04/22	10:00:58	0.056	0.323
108	2013/04/22	10:01:58	0.057	0.324
109	2013/04/22	10:02:58	0.058	0.326
110	2013/04/22	10:03:58	0.058	0.325
111	2013/04/22	10:04:58	0.059	0.326
112	2013/04/22	10:05:58	0.060	0.325
113	2013/04/22	10:06:58	0.060	0.324

114	2013/04/22	10:07:58	0.061	0.323
115	2013/04/22	10:08:58	0.062	0.323
116	2013/04/22	10:09:58	0.062	0.321
117	2013/04/22	10:10:58	0.063	0.319
118	2013/04/22	10:11:58	0.064	0.320
119	2013/04/22	10:12:58	0.064	0.318
120	2013/04/22	10:13:58	0.065	0.319
121	2013/04/22	10:14:58	0.066	0.320
122	2013/04/22	10:15:58	0.066	0.320
123	2013/04/22	10:16:58	0.067	0.321
124	2013/04/22	10:17:58	0.068	0.320
125	2013/04/22	10:18:58	0.069	0.321
126	2013/04/22	10:19:58	0.069	0.321
127	2013/04/22	10:20:58	0.070	0.323
128	2013/04/22	10:21:58	0.071	0.325
129	2013/04/22	10:22:58	0.071	0.327
130	2013/04/22	10:23:58	0.072	0.328
131	2013/04/22	10:24:58	0.073	0.330
132	2013/04/22	10:25:58	0.073	0.332
133	2013/04/22	10:26:58	0.074	0.333
134	2013/04/22	10:27:58	0.075	0.334
135	2013/04/22	10:28:58	0.076	0.335
136	2013/04/22	10:29:58	0.076	0.338
137	2013/04/22	10:30:58	0.077	0.340
138	2013/04/22	10:31:58	0.078	0.341
139	2013/04/22	10:32:58	0.079	0.343
140	2013/04/22	10:33:58	0.079	0.344
141	2013/04/22	10:34:58	0.080	0.345
142	2013/04/22	10:35:58	0.081	0.342
143	2013/04/22	10:36:58	0.081	0.342
144	2013/04/22	10:37:58	0.082	0.343
145	2013/04/22	10:38:58	0.083	0.345
146	2013/04/22	10:39:58	0.084	0.345
147	2013/04/22	10:40:58	0.084	0.344
148	2013/04/22	10:41:58	0.085	0.345
149	2013/04/22	10:42:58	0.086	0.345
150	2013/04/22	10:43:58	0.086	0.345
151	2013/04/22	10:44:58	0.087	0.345
152	2013/04/22	10:45:58	0.088	0.345
153	2013/04/22	10:46:58	0.089	0.346
154	2013/04/22	10:47:58	0.089	0.347
155	2013/04/22	10:48:58	0.090	0.349
156	2013/04/22	10:49:58	0.091	0.349
157	2013/04/22	10:50:58	0.092	0.353
158	2013/04/22	10:51:58	0.092	0.354
159	2013/04/22	10:52:58	0.093	0.354
160	2013/04/22	10:53:58	0.094	0.355
161	2013/04/22	10:54:58	0.095	0.356
162	2013/04/22	10:55:58	0.095	0.358
163	2013/04/22	10:56:58	0.096	0.358
164	2013/04/22	10:57:58	0.097	0.359
165	2013/04/22	10:58:58	0.098	0.359
166	2013/04/22	10:59:58	0.098	0.361
167	2013/04/22	11:00:58	0.099	0.363
168	2013/04/22	11:01:58	0.100	0.363
169	2013/04/22	11:02:58	0.101	0.363
170	2013/04/22	11:03:58	0.101	0.362
171	2013/04/22	11:04:58	0.102	0.360
172	2013/04/22	11:05:58	0.103	0.358
173	2013/04/22	11:06:58	0.104	0.357
174	2013/04/22	11:07:58	0.104	0.355
175	2013/04/22	11:08:58	0.105	0.353
176	2013/04/22	11:09:58	0.106	0.351

177	2013/04/22	11:10:58	0.106	0.349
178	2013/04/22	11:11:58	0.107	0.346
179	2013/04/22	11:12:58	0.108	0.343
180	2013/04/22	11:13:58	0.108	0.339
181	2013/04/22	11:14:58	0.109	0.335
182	2013/04/22	11:15:58	0.110	0.329
183	2013/04/22	11:16:58	0.110	0.325
184	2013/04/22	11:17:58	0.111	0.322
185	2013/04/22	11:18:58	0.111	0.320
186	2013/04/22	11:19:58	0.112	0.320
187	2013/04/22	11:20:58	0.113	0.318
188	2013/04/22	11:21:58	0.113	0.316
189	2013/04/22	11:22:58	0.114	0.315
190	2013/04/22	11:23:58	0.115	0.314
191	2013/04/22	11:24:58	0.115	0.312
192	2013/04/22	11:25:58	0.116	0.310
193	2013/04/22	11:26:58	0.117	0.309
194	2013/04/22	11:27:58	0.117	0.308
195	2013/04/22	11:28:58	0.118	0.308
196	2013/04/22	11:29:58	0.119	0.308
197	2013/04/22	11:30:58	0.119	0.308
198	2013/04/22	11:31:58	0.120	0.308
199	2013/04/22	11:32:58	0.120	0.307
200	2013/04/22	11:33:58	0.121	0.306
201	2013/04/22	11:34:58	0.122	0.304
202	2013/04/22	11:35:58	0.122	0.303
203	2013/04/22	11:36:58	0.123	0.303
204	2013/04/22	11:37:58	0.124	0.302
205	2013/04/22	11:38:58	0.124	0.299
206	2013/04/22	11:39:58	0.125	0.299
207	2013/04/22	11:40:58	0.125	0.298
208	2013/04/22	11:41:58	0.126	0.298
209	2013/04/22	11:42:58	0.127	0.297
210	2013/04/22	11:43:58	0.127	0.295
211	2013/04/22	11:44:58	0.128	0.293
212	2013/04/22	11:45:58	0.128	0.292
213	2013/04/22	11:46:58	0.129	0.291
214	2013/04/22	11:47:58	0.129	0.290
215	2013/04/22	11:48:58	0.130	0.289
216	2013/04/22	11:49:58	0.131	0.287
217	2013/04/22	11:50:58	0.131	0.286
218	2013/04/22	11:51:58	0.132	0.285
219	2013/04/22	11:52:58	0.132	0.283
220	2013/04/22	11:53:58	0.133	0.281
221	2013/04/22	11:54:58	0.133	0.279
222	2013/04/22	11:55:58	0.134	0.278
223	2013/04/22	11:56:58	0.135	0.276
224	2013/04/22	11:57:58	0.135	0.275
225	2013/04/22	11:58:58	0.136	0.275
226	2013/04/22	11:59:58	0.136	0.275
227	2013/04/22	12:00:58	0.137	0.274
228	2013/04/22	12:01:58	0.137	0.272
229	2013/04/22	12:02:58	0.138	0.272
230	2013/04/22	12:03:58	0.139	0.271
231	2013/04/22	12:04:58	0.139	0.270
232	2013/04/22	12:05:58	0.140	0.270
233	2013/04/22	12:06:58	0.140	0.268
234	2013/04/22	12:07:58	0.141	0.268
235	2013/04/22	12:08:58	0.141	0.269
236	2013/04/22	12:09:58	0.142	0.269
237	2013/04/22	12:10:58	0.142	0.269
238	2013/04/22	12:11:58	0.143	0.268
239	2013/04/22	12:12:58	0.143	0.267

240	2013/04/22	12:13:58	0.144	0.267
241	2013/04/22	12:14:58	0.145	0.266
242	2013/04/22	12:15:58	0.145	0.267
243	2013/04/22	12:16:58	0.146	0.267
244	2013/04/22	12:17:58	0.146	0.268
245	2013/04/22	12:18:58	0.147	0.268
246	2013/04/22	12:19:58	0.147	0.268
247	2013/04/22	12:20:58	0.148	0.268
248	2013/04/22	12:21:58	0.149	0.268
249	2013/04/22	12:22:58	0.149	0.268
250	2013/04/22	12:23:58	0.150	0.267
251	2013/04/22	12:24:58	0.150	0.267
252	2013/04/22	12:25:58	0.151	0.268
253	2013/04/22	12:26:58	0.151	0.268
254	2013/04/22	12:27:58	0.152	0.268
255	2013/04/22	12:28:58	0.152	0.267
256	2013/04/22	12:29:58	0.153	0.267
257	2013/04/22	12:30:58	0.153	0.265
258	2013/04/22	12:31:58	0.154	0.264
259	2013/04/22	12:32:58	0.154	0.261
260	2013/04/22	12:33:58	0.155	0.261
261	2013/04/22	12:34:58	0.156	0.261
262	2013/04/22	12:35:58	0.156	0.262
263	2013/04/22	12:36:58	0.157	0.261
264	2013/04/22	12:37:58	0.157	0.262
265	2013/04/22	12:38:58	0.158	0.262
266	2013/04/22	12:39:58	0.158	0.261
267	2013/04/22	12:40:58	0.159	0.261
268	2013/04/22	12:41:58	0.159	0.261
269	2013/04/22	12:42:58	0.160	0.261
270	2013/04/22	12:43:58	0.161	0.261
271	2013/04/22	12:44:58	0.161	0.261
272	2013/04/22	12:45:58	0.162	0.263
273	2013/04/22	12:46:58	0.162	0.263
274	2013/04/22	12:47:58	0.163	0.265
275	2013/04/22	12:48:58	0.163	0.265
276	2013/04/22	12:49:58	0.164	0.266
277	2013/04/22	12:50:58	0.164	0.267
278	2013/04/22	12:51:58	0.165	0.267
279	2013/04/22	12:52:58	0.166	0.266
280	2013/04/22	12:53:58	0.166	0.267
281	2013/04/22	12:54:58	0.167	0.269
282	2013/04/22	12:55:58	0.167	0.269
283	2013/04/22	12:56:58	0.168	0.270
284	2013/04/22	12:57:58	0.168	0.271
285	2013/04/22	12:58:58	0.169	0.272
286	2013/04/22	12:59:58	0.170	0.273
287	2013/04/22	13:00:58	0.170	0.274
288	2013/04/22	13:01:58	0.171	0.274
289	2013/04/22	13:02:58	0.171	0.274
290	2013/04/22	13:03:58	0.172	0.276
291	2013/04/22	13:04:58	0.173	0.277
292	2013/04/22	13:05:58	0.173	0.278
293	2013/04/22	13:06:58	0.174	0.279
294	2013/04/22	13:07:58	0.174	0.281
295	2013/04/22	13:08:58	0.175	0.281
296	2013/04/22	13:09:58	0.176	0.282
297	2013/04/22	13:10:58	0.176	0.283
298	2013/04/22	13:11:58	0.177	0.284
299	2013/04/22	13:12:58	0.177	0.285
300	2013/04/22	13:13:58	0.178	0.286
301	2013/04/22	13:14:58	0.179	0.287
302	2013/04/22	13:15:58	0.179	0.287

303	2013/04/22 13:16:58	0.180	0.288
304	2013/04/22 13:17:58	0.180	0.290
305	2013/04/22 13:18:58	0.181	0.289
306	2013/04/22 13:19:58	0.182	0.288
307	2013/04/22 13:20:58	0.182	0.286
308	2013/04/22 13:21:58	0.183	0.285
309	2013/04/22 13:22:58	0.183	0.284
310	2013/04/22 13:23:58	0.184	0.283
311	2013/04/22 13:24:58	0.184	0.282
312	2013/04/22 13:25:58	0.185	0.280
313	2013/04/22 13:26:58	0.185	0.277
314	2013/04/22 13:27:58	0.186	0.274
315	2013/04/22 13:28:58	0.186	0.272
316	2013/04/22 13:29:58	0.187	0.270
317	2013/04/22 13:30:58	0.188	0.269
318	2013/04/22 13:31:58	0.188	0.267
319	2013/04/22 13:32:58	0.189	0.265
320	2013/04/22 13:33:58	0.189	0.263
321	2013/04/22 13:34:58	0.190	0.261
322	2013/04/22 13:35:58	0.190	0.261
323	2013/04/22 13:36:58	0.191	0.261
324	2013/04/22 13:37:58	0.191	0.259
325	2013/04/22 13:38:58	0.192	0.259
326	2013/04/22 13:39:58	0.192	0.258
327	2013/04/22 13:40:58	0.193	0.258
328	2013/04/22 13:41:58	0.194	0.259
329	2013/04/22 13:42:58	0.194	0.259
330	2013/04/22 13:43:58	0.195	0.258
331	2013/04/22 13:44:58	0.195	0.259
332	2013/04/22 13:45:58	0.196	0.259
333	2013/04/22 13:46:58	0.196	0.259
334	2013/04/22 13:47:58	0.197	0.259
335	2013/04/22 13:48:58	0.197	0.258
336	2013/04/22 13:49:58	0.198	0.259
337	2013/04/22 13:50:58	0.198	0.259
338	2013/04/22 13:51:58	0.199	0.259
339	2013/04/22 13:52:58	0.199	0.259
340	2013/04/22 13:53:58	0.200	0.259
341	2013/04/22 13:54:58	0.201	0.260
342	2013/04/22 13:55:58	0.201	0.260
343	2013/04/22 13:56:58	0.202	0.259
344	2013/04/22 13:57:58	0.202	0.260
345	2013/04/22 13:58:58	0.203	0.260
346	2013/04/22 13:59:58	0.203	0.260
347	2013/04/22 14:00:58	0.204	0.259
348	2013/04/22 14:01:58	0.204	0.259
349	2013/04/22 14:02:58	0.205	0.259
350	2013/04/22 14:03:58	0.205	0.260
351	2013/04/22 14:04:58	0.206	0.260
352	2013/04/22 14:05:58	0.206	0.259
353	2013/04/22 14:06:58	0.207	0.260
354	2013/04/22 14:07:58	0.208	0.261
355	2013/04/22 14:08:58	0.208	0.261
356	2013/04/22 14:09:58	0.209	0.261
357	2013/04/22 14:10:58	0.209	0.262
358	2013/04/22 14:11:58	0.210	0.262
359	2013/04/22 14:12:58	0.210	0.263
360	2013/04/22 14:13:58	0.211	0.264
361	2013/04/22 14:14:58	0.212	0.265
362	2013/04/22 14:15:58	0.212	0.266
363	2013/04/22 14:16:58	0.213	0.269
364	2013/04/22 14:17:58	0.213	0.270
365	2013/04/22 14:18:58	0.214	0.271

366	2013/04/22	14:19:58	0.214	0.271
367	2013/04/22	14:20:58	0.215	0.272
368	2013/04/22	14:21:58	0.216	0.272
369	2013/04/22	14:22:58	0.216	0.273
370	2013/04/22	14:23:58	0.217	0.274
371	2013/04/22	14:24:58	0.217	0.275
372	2013/04/22	14:25:58	0.218	0.275
373	2013/04/22	14:26:58	0.218	0.277
374	2013/04/22	14:27:58	0.219	0.278
375	2013/04/22	14:28:58	0.220	0.278
376	2013/04/22	14:29:58	0.220	0.279
377	2013/04/22	14:30:58	0.221	0.278
378	2013/04/22	14:31:58	0.221	0.278
379	2013/04/22	14:32:58	0.222	0.278
380	2013/04/22	14:33:58	0.223	0.279
381	2013/04/22	14:34:58	0.223	0.279
382	2013/04/22	14:35:58	0.224	0.280
383	2013/04/22	14:36:58	0.224	0.280
384	2013/04/22	14:37:58	0.225	0.281
385	2013/04/22	14:38:58	0.226	0.281
386	2013/04/22	14:39:58	0.226	0.281
387	2013/04/22	14:40:58	0.227	0.281
388	2013/04/22	14:41:58	0.227	0.281
389	2013/04/22	14:42:58	0.228	0.281
390	2013/04/22	14:43:58	0.228	0.282
391	2013/04/22	14:44:58	0.229	0.282
392	2013/04/22	14:45:58	0.230	0.283
393	2013/04/22	14:46:58	0.230	0.284
394	2013/04/22	14:47:58	0.231	0.284
395	2013/04/22	14:48:58	0.231	0.285
396	2013/04/22	14:49:58	0.232	0.284
397	2013/04/22	14:50:58	0.233	0.284
398	2013/04/22	14:51:58	0.233	0.284
399	2013/04/22	14:52:58	0.234	0.283
400	2013/04/22	14:53:58	0.234	0.283
401	2013/04/22	14:54:58	0.235	0.282
402	2013/04/22	14:55:58	0.235	0.281
403	2013/04/22	14:56:58	0.236	0.280
404	2013/04/22	14:57:58	0.237	0.280
405	2013/04/22	14:58:58	0.237	0.278
406	2013/04/22	14:59:58	0.238	0.278
407	2013/04/22	15:00:58	0.238	0.277
408	2013/04/22	15:01:58	0.239	0.274
409	2013/04/22	15:02:58	0.239	0.274
410	2013/04/22	15:03:58	0.240	0.272
411	2013/04/22	15:04:58	0.241	0.273
412	2013/04/22	15:05:58	0.241	0.272
413	2013/04/22	15:06:58	0.242	0.271
414	2013/04/22	15:07:58	0.242	0.269
415	2013/04/22	15:08:58	0.243	0.268
416	2013/04/22	15:09:58	0.243	0.269
417	2013/04/22	15:10:58	0.244	0.269
418	2013/04/22	15:11:58	0.244	0.268
419	2013/04/22	15:12:58	0.245	0.268
420	2013/04/22	15:13:58	0.246	0.269
421	2013/04/22	15:14:58	0.246	0.270
422	2013/04/22	15:15:58	0.247	0.270
423	2013/04/22	15:16:58	0.247	0.272
424	2013/04/22	15:17:58	0.248	0.272
425	2013/04/22	15:18:58	0.248	0.273
426	2013/04/22	15:19:58	0.249	0.267
427	2013/04/22	15:20:58	0.249	0.263
428	2013/04/22	15:21:58	0.250	0.260

429	2013/04/22 15:22:58	0.250	0.259
430	2013/04/22 15:23:58	0.251	0.257
431	2013/04/22 15:24:58	0.251	0.255
432	2013/04/22 15:25:58	0.252	0.254
433	2013/04/22 15:26:58	0.252	0.252
434	2013/04/22 15:27:58	0.253	0.250
435	2013/04/22 15:28:58	0.253	0.248
436	2013/04/22 15:29:58	0.254	0.246
437	2013/04/22 15:30:58	0.254	0.245
438	2013/04/22 15:31:58	0.255	0.244
439	2013/04/22 15:32:58	0.256	0.243
440	2013/04/22 15:33:58	0.256	0.243
441	2013/04/22 15:34:58	0.257	0.248
442	2013/04/22 15:35:58	0.257	0.252
443	2013/04/22 15:36:58	0.258	0.255
444	2013/04/22 15:37:58	0.258	0.257
445	2013/04/22 15:38:58	0.259	0.259
446	2013/04/22 15:39:58	0.259	0.261
447	2013/04/22 15:40:58	0.260	0.262
448	2013/04/22 15:41:58	0.261	0.264
449	2013/04/22 15:42:58	0.261	0.266
450	2013/04/22 15:43:58	0.262	0.267
451	2013/04/22 15:44:58	0.262	0.268
452	2013/04/22 15:45:58	0.263	0.269
453	2013/04/22 15:46:58	0.263	0.270
454	2013/04/22 15:47:58	0.264	0.270
455	2013/04/22 15:48:58	0.265	0.271
456	2013/04/22 15:49:58	0.265	0.272
457	2013/04/22 15:50:58	0.266	0.272
458	2013/04/22 15:51:58	0.266	0.272
459	2013/04/22 15:52:58	0.267	0.272
460	2013/04/22 15:53:58	0.267	0.272
461	2013/04/22 15:54:58	0.268	0.271
462	2013/04/22 15:55:58	0.268	0.272
463	2013/04/22 15:56:58	0.269	0.273
464	2013/04/22 15:57:58	0.270	0.272
465	2013/04/22 15:58:58	0.270	0.272
466	2013/04/22 15:59:58	0.271	0.271
467	2013/04/22 16:00:58	0.271	0.271
468	2013/04/22 16:01:58	0.272	0.271
469	2013/04/22 16:02:58	0.272	0.270
470	2013/04/22 16:03:58	0.273	0.270
471	2013/04/22 16:04:58	0.274	0.270
472	2013/04/22 16:05:58	0.274	0.267
473	2013/04/22 16:06:58	0.275	0.267
474	2013/04/22 16:07:58	0.275	0.267
475	2013/04/22 16:08:58	0.276	0.267
476	2013/04/22 16:09:58	0.276	0.268
477	2013/04/22 16:10:58	0.277	0.267
478	2013/04/22 16:11:58	0.277	0.266
479	2013/04/22 16:12:58	0.278	0.265
480	2013/04/22 16:13:58	0.278	0.265
481	2013/04/22 16:14:58	0.279	0.265
482	2013/04/22 16:15:58	0.279	0.263
483	2013/04/22 16:16:58	0.280	0.262
484	2013/04/22 16:17:58	0.281	0.261
485	2013/04/22 16:18:58	0.281	0.261
486	2013/04/22 16:19:58	0.282	0.259
487	2013/04/22 16:20:58	0.282	0.261
488	2013/04/22 16:21:58	0.283	0.261
489	2013/04/22 16:22:58	0.283	0.261
490	2013/04/22 16:23:58	0.284	0.261
491	2013/04/22 16:24:58	0.284	0.260

492	2013/04/22 16:25:58	0.285	0.260
493	2013/04/22 16:26:58	0.285	0.260
494	2013/04/22 16:27:58	0.286	0.260
495	2013/04/22 16:28:58	0.287	0.260
496	2013/04/22 16:29:58	0.287	0.260
497	2013/04/22 16:30:58	0.288	0.261
498	2013/04/22 16:31:58	0.288	0.260
499	2013/04/22 16:32:58	0.289	0.260
500	2013/04/22 16:33:58	0.289	0.259
501	2013/04/22 16:34:58	0.290	0.259
502	2013/04/22 16:35:58	0.290	0.259
503	2013/04/22 16:36:58	0.291	0.259
504	2013/04/22 16:37:58	0.291	0.258
505	2013/04/22 16:38:58	0.292	0.258
506	2013/04/22 16:39:58	0.292	0.259
507	2013/04/22 16:40:58	0.293	0.258
508	2013/04/22 16:41:58	0.294	0.258
509	2013/04/22 16:42:58	0.294	0.258
510	2013/04/22 16:43:58	0.295	0.258
511	2013/04/22 16:44:58	0.295	0.258
512	2013/04/22 16:45:58	0.296	0.258
513	2013/04/22 16:46:58	0.296	0.258
514	2013/04/22 16:47:58	0.297	0.258
515	2013/04/22 16:48:58	0.297	0.260
516	2013/04/22 16:49:58	0.298	0.261
517	2013/04/22 16:50:58	0.298	0.261
518	2013/04/22 16:51:58	0.299	0.261
519	2013/04/22 16:52:58	0.300	0.261
520	2013/04/22 16:53:58	0.300	0.261
521	2013/04/22 16:54:58	0.301	0.261
522	2013/04/22 16:55:58	0.301	0.262
523	2013/04/22 16:56:58	0.302	0.262
524	2013/04/22 16:57:58	0.302	0.262
525	2013/04/22 16:58:58	0.303	0.261
526	2013/04/22 16:59:58	0.303	0.262
527	2013/04/22 17:00:58	0.304	0.261
528	2013/04/22 17:01:58	0.304	0.261
529	2013/04/22 17:02:58	0.305	0.260
530	2013/04/22 17:03:58	0.305	0.259
531	2013/04/22 17:04:58	0.306	0.258
532	2013/04/22 17:05:58	0.306	0.257
533	2013/04/22 17:06:58	0.307	0.256
534	2013/04/22 17:07:58	0.308	0.255
535	2013/04/22 17:08:58	0.308	0.254
536	2013/04/22 17:09:58	0.309	0.252
537	2013/04/22 17:10:58	0.309	0.251
538	2013/04/22 17:11:58	0.310	0.251
539	2013/04/22 17:12:58	0.310	0.250
540	2013/04/22 17:13:58	0.311	0.250
541	2013/04/22 17:14:58	0.311	0.249
542	2013/04/22 17:15:58	0.312	0.248
543	2013/04/22 17:16:58	0.312	0.248
544	2013/04/22 17:17:58	0.313	0.247
545	2013/04/22 17:18:58	0.313	0.246
546	2013/04/22 17:19:58	0.314	0.246
547	2013/04/22 17:20:58	0.314	0.245
548	2013/04/22 17:21:58	0.315	0.245
549	2013/04/22 17:22:58	0.315	0.245
550	2013/04/22 17:23:58	0.316	0.244
551	2013/04/22 17:24:58	0.316	0.246
552	2013/04/22 17:25:58	0.317	0.245
553	2013/04/22 17:26:58	0.317	0.244
554	2013/04/22 17:27:58	0.318	0.243

555	2013/04/22 17:28:58	0.318	0.243
556	2013/04/22 17:29:58	0.319	0.242
557	2013/04/22 17:30:58	0.319	0.242
558	2013/04/22 17:31:58	0.320	0.241
559	2013/04/22 17:32:58	0.320	0.241
560	2013/04/22 17:33:58	0.321	0.241

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13/04/23 07:54

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Summary

Unit Name MiniRAE 3000
Unit SN 592-909117
Unit Firmware Ver V1.10C

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Manual
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2013/04/23 07:54:50
End 2013/04/23 08:36:59
Sample Period(s) 60
Number of Records 42

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2013/04/22 08:13
Peak 0.175
Min 0.012
Average 0.110

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/04/23 07:55:50	0.015	0.132	0.012
002	2013/04/23 07:56:50	0.017	0.042	0.024
003	2013/04/23 07:57:50	0.048	0.076	0.041
004	2013/04/23 07:58:50	0.051	0.070	0.068
005	2013/04/23 07:59:50	0.069	0.093	0.066
006	2013/04/23 08:00:50	0.071	0.092	0.080
007	2013/04/23 08:01:50	0.094	0.149	0.089
008	2013/04/23 08:02:50	0.078	0.097	0.077
009	2013/04/23 08:03:50	0.069	0.088	0.063
010	2013/04/23 08:04:50	0.086	0.102	0.090
011	2013/04/23 08:05:50	0.082	0.160	0.081
012	2013/04/23 08:06:50	0.062	0.083	0.067
013	2013/04/23 08:07:50	0.077	0.093	0.093
014	2013/04/23 08:08:50	0.085	0.101	0.078
015	2013/04/23 08:09:50	0.093	0.109	0.092

016	2013/04/23 08:10:50	0.094	0.109	0.091
017	2013/04/23 08:11:50	0.089	0.107	0.105
018	2013/04/23 08:12:50	0.117	0.148	0.115
019	2013/04/23 08:13:50	0.103	0.136	0.099
020	2013/04/23 08:14:50	0.088	0.107	0.081
021	2013/04/23 08:15:50	0.103	0.111	0.110
022	2013/04/23 08:16:50	0.129	0.159	0.154
023	2013/04/23 08:17:50	0.131	0.182	0.107
024	2013/04/23 08:18:50	0.122	0.141	0.138
025	2013/04/23 08:19:50	0.135	0.154	0.150
026	2013/04/23 08:20:50	0.145	0.212	0.141
027	2013/04/23 08:21:50	0.128	0.142	0.128
028	2013/04/23 08:22:50	0.142	0.202	0.128
029	2013/04/23 08:23:50	0.136	0.157	0.151
030	2013/04/23 08:24:50	0.136	0.163	0.155
031	2013/04/23 08:25:50	0.139	0.176	0.175
032	2013/04/23 08:26:50	0.147	0.163	0.140
033	2013/04/23 08:27:50	0.144	0.157	0.133
034	2013/04/23 08:28:50	0.145	0.243	0.134
035	2013/04/23 08:29:50	0.136	0.143	0.139
036	2013/04/23 08:30:50	0.139	0.148	0.142
037	2013/04/23 08:31:50	0.142	0.157	0.136
038	2013/04/23 08:32:50	0.151	0.159	0.151
039	2013/04/23 08:33:50	0.153	0.165	0.151
040	2013/04/23 08:34:50	0.143	0.154	0.146
041	2013/04/23 08:35:50	0.157	0.170	0.160
042	2013/04/23 08:36:50	0.157	0.169	0.136
Peak		0.157	0.243	0.175
Min		0.015	0.042	0.012
Average		0.108	0.136	0.110

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2013/04/23 07:55:50	0.000	---
002	2013/04/23 07:56:50	0.000	---
003	2013/04/23 07:57:50	0.000	---
004	2013/04/23 07:58:50	0.000	---
005	2013/04/23 07:59:50	0.000	---
006	2013/04/23 08:00:50	0.001	---
007	2013/04/23 08:01:50	0.001	---
008	2013/04/23 08:02:50	0.001	---
009	2013/04/23 08:03:50	0.001	---
010	2013/04/23 08:04:50	0.001	---
011	2013/04/23 08:05:50	0.001	---
012	2013/04/23 08:06:50	0.002	---
013	2013/04/23 08:07:50	0.002	---
014	2013/04/23 08:08:50	0.002	---
015	2013/04/23 08:09:50	0.002	0.068
016	2013/04/23 08:10:50	0.002	0.073
017	2013/04/23 08:11:50	0.003	0.079
018	2013/04/23 08:12:50	0.003	0.084
019	2013/04/23 08:13:50	0.003	0.086
020	2013/04/23 08:14:50	0.003	0.087
021	2013/04/23 08:15:50	0.003	0.089
022	2013/04/23 08:16:50	0.004	0.093
023	2013/04/23 08:17:50	0.004	0.095
024	2013/04/23 08:18:50	0.004	0.100
025	2013/04/23 08:19:50	0.005	0.104
026	2013/04/23 08:20:50	0.005	0.108
027	2013/04/23 08:21:50	0.005	0.112
028	2013/04/23 08:22:50	0.005	0.114

029	2013/04/23	08:23:50	0.006	0.119
030	2013/04/23	08:24:50	0.006	0.124
031	2013/04/23	08:25:50	0.006	0.129
032	2013/04/23	08:26:50	0.007	0.131
033	2013/04/23	08:27:50	0.007	0.133
034	2013/04/23	08:28:50	0.007	0.135
035	2013/04/23	08:29:50	0.007	0.139
036	2013/04/23	08:30:50	0.008	0.141
037	2013/04/23	08:31:50	0.008	0.140
038	2013/04/23	08:32:50	0.008	0.143
039	2013/04/23	08:33:50	0.009	0.144
040	2013/04/23	08:34:50	0.009	0.143
041	2013/04/23	08:35:50	0.009	0.145
042	2013/04/23	08:36:50	0.010	0.145

13/11/21 09:23

Summary

Unit Name	MiniRAE 3000
Unit SN	592-907579
Unit Firmware Ver	V1.10C
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2013/11/21 09:23:45
End	2013/11/21 13:43:38
Sample Period(s)	900
Number of Records	17
Sensor	VOC(ppm)
Span	100.000
Span 2	N/A
Low Alarm	5.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2013/11/21 09:22
Peak	0.359
Min	0.076
Average	0.252

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2013/11/21 09:38:45	0.065	0.100	0.076
002	2013/11/21 09:53:45	0.100	0.201	0.122
003	2013/11/21 10:08:45	0.148	0.273	0.170
004	2013/11/21 10:23:45	0.190	0.264	0.217
005	2013/11/21 10:38:45	0.216	0.290	0.229
006	2013/11/21 10:53:45	0.231	0.320	0.240
007	2013/11/21 11:08:45	0.235	0.645	0.239
008	2013/11/21 11:23:45	0.255	0.395	0.269
009	2013/11/21 11:38:45	0.282	0.469	0.288
010	2013/11/21 11:53:45	0.298	0.422	0.308
011	2013/11/21 12:08:45	0.306	0.397	0.310
012	2013/11/21 12:23:45	0.295	0.520	0.286
013	2013/11/21 12:38:45	0.296	0.515	0.286
014	2013/11/21 12:53:45	0.286	0.380	0.279
015	2013/11/21 13:08:45	0.294	0.583	0.359
016	2013/11/21 13:23:45	0.295	0.368	0.300
017	2013/11/21 13:38:45	0.307	0.408	0.301
Peak		0.307	0.645	0.359
Min		0.065	0.100	0.076
Average		0.241	0.385	0.252

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2013/11/21	09:38:45	0.002	0.076
002	2013/11/21	09:53:45	0.006	0.122
003	2013/11/21	10:08:45	0.012	0.170
004	2013/11/21	10:23:45	0.018	0.217
005	2013/11/21	10:38:45	0.025	0.229
006	2013/11/21	10:53:45	0.033	0.240
007	2013/11/21	11:08:45	0.040	0.239
008	2013/11/21	11:23:45	0.049	0.269
009	2013/11/21	11:38:45	0.058	0.288
010	2013/11/21	11:53:45	0.067	0.308
011	2013/11/21	12:08:45	0.077	0.310
012	2013/11/21	12:23:45	0.086	0.286
013	2013/11/21	12:38:45	0.095	0.286
014	2013/11/21	12:53:45	0.104	0.279
015	2013/11/21	13:08:45	0.115	0.359
016	2013/11/21	13:23:45	0.124	0.300
017	2013/11/21	13:38:45	0.134	0.301

TrakPro Version 4.61 ASCII Data File

Model:	DustTrak DRX
Model Number:	8533
Serial Number:	8533142714
Test ID:	1
Test Abbreviation:	MANUAL_001
Start Date:	9/11/2014
Start Time:	8:46:50
Duration (dd:hh:mm:ss):	0:05:59:00
Log Interval (mm:ss):	1:00
Number of points:	359
Notes:	

Statistics	Channel:	TOTAL
	Units:	mg/m^3
	Average:	0.016
	Minimum:	0.007
	Time of Minimum:	14:44:50
	Date of Minimum:	9/11/2014
	Maximum:	0.031
	Time of Maximum:	11:48:50
	Date of Maximum:	9/11/2014

Calibration	Sensor:	AEROSOL
	Cal. date	7/2/2014

Date	Time	
MM/dd/yyyy	hh:mm:ss	mg/m^3
9/11/2014	8:47:50	0.028
9/11/2014	8:48:50	0.027
9/11/2014	8:49:50	0.027
9/11/2014	8:50:50	0.024
9/11/2014	8:51:50	0.025
9/11/2014	8:52:50	0.024
9/11/2014	8:53:50	0.024
9/11/2014	8:54:50	0.024
9/11/2014	8:55:50	0.029
9/11/2014	8:56:50	0.029
9/11/2014	8:57:50	0.027
9/11/2014	8:58:50	0.025
9/11/2014	8:59:50	0.025
9/11/2014	9:00:50	0.025
9/11/2014	9:01:50	0.025
9/11/2014	9:02:50	0.026
9/11/2014	9:03:50	0.026
9/11/2014	9:04:50	0.024

9/11/2014	9:05:50	0.024
9/11/2014	9:06:50	0.024
9/11/2014	9:07:50	0.023
9/11/2014	9:08:50	0.023
9/11/2014	9:09:50	0.023
9/11/2014	9:10:50	0.023
9/11/2014	9:11:50	0.023
9/11/2014	9:12:50	0.023
9/11/2014	9:13:50	0.023
9/11/2014	9:14:50	0.024
9/11/2014	9:15:50	0.023
9/11/2014	9:16:50	0.023
9/11/2014	9:17:50	0.023
9/11/2014	9:18:50	0.022
9/11/2014	9:19:50	0.023
9/11/2014	9:20:50	0.024
9/11/2014	9:21:50	0.025
9/11/2014	9:22:50	0.024
9/11/2014	9:23:50	0.023
9/11/2014	9:24:50	0.023
9/11/2014	9:25:50	0.023
9/11/2014	9:26:50	0.023
9/11/2014	9:27:50	0.023
9/11/2014	9:28:50	0.026
9/11/2014	9:29:50	0.023
9/11/2014	9:30:50	0.023
9/11/2014	9:31:50	0.023
9/11/2014	9:32:50	0.024
9/11/2014	9:33:50	0.023
9/11/2014	9:34:50	0.021
9/11/2014	9:35:50	0.022
9/11/2014	9:36:50	0.025
9/11/2014	9:37:50	0.023
9/11/2014	9:38:50	0.023
9/11/2014	9:39:50	0.023
9/11/2014	9:40:50	0.022
9/11/2014	9:41:50	0.023
9/11/2014	9:42:50	0.022
9/11/2014	9:43:50	0.022
9/11/2014	9:44:50	0.022
9/11/2014	9:45:50	0.022
9/11/2014	9:46:50	0.021
9/11/2014	9:47:50	0.023
9/11/2014	9:48:50	0.023
9/11/2014	9:49:50	0.023
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9/11/2014	9:51:50	0.022

9/11/2014	9:52:50	0.021
9/11/2014	9:53:50	0.022
9/11/2014	9:54:50	0.024
9/11/2014	9:55:50	0.022
9/11/2014	9:56:50	0.021
9/11/2014	9:57:50	0.022
9/11/2014	9:58:50	0.022
9/11/2014	9:59:50	0.025
9/11/2014	10:00:50	0.025
9/11/2014	10:01:50	0.023
9/11/2014	10:02:50	0.024
9/11/2014	10:03:50	0.023
9/11/2014	10:04:50	0.022
9/11/2014	10:05:50	0.023
9/11/2014	10:06:50	0.029
9/11/2014	10:07:50	0.024
9/11/2014	10:08:50	0.024
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9/11/2014	10:12:50	0.023
9/11/2014	10:13:50	0.024
9/11/2014	10:14:50	0.024
9/11/2014	10:15:50	0.024
9/11/2014	10:16:50	0.023
9/11/2014	10:17:50	0.023
9/11/2014	10:18:50	0.023
9/11/2014	10:19:50	0.024
9/11/2014	10:20:50	0.023
9/11/2014	10:21:50	0.023
9/11/2014	10:22:50	0.024
9/11/2014	10:23:50	0.023
9/11/2014	10:24:50	0.022
9/11/2014	10:25:50	0.021
9/11/2014	10:26:50	0.022
9/11/2014	10:27:50	0.025
9/11/2014	10:28:50	0.021
9/11/2014	10:29:50	0.02
9/11/2014	10:30:50	0.021
9/11/2014	10:31:50	0.021
9/11/2014	10:32:50	0.02
9/11/2014	10:33:50	0.021
9/11/2014	10:34:50	0.02
9/11/2014	10:35:50	0.021
9/11/2014	10:36:50	0.02
9/11/2014	10:37:50	0.02
9/11/2014	10:38:50	0.02

9/11/2014	10:39:50	0.026
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9/11/2014	10:41:50	0.022
9/11/2014	10:42:50	0.019
9/11/2014	10:43:50	0.019
9/11/2014	10:44:50	0.021
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9/11/2014	10:46:50	0.018
9/11/2014	10:47:50	0.02
9/11/2014	10:48:50	0.019
9/11/2014	10:49:50	0.03
9/11/2014	10:50:50	0.026
9/11/2014	10:51:50	0.02
9/11/2014	10:52:50	0.022
9/11/2014	10:53:50	0.025
9/11/2014	10:54:50	0.022
9/11/2014	10:55:50	0.017
9/11/2014	10:56:50	0.016
9/11/2014	10:57:50	0.016
9/11/2014	10:58:50	0.015
9/11/2014	10:59:50	0.015
9/11/2014	11:00:50	0.013
9/11/2014	11:01:50	0.013
9/11/2014	11:02:50	0.012
9/11/2014	11:03:50	0.012
9/11/2014	11:04:50	0.012
9/11/2014	11:05:50	0.011
9/11/2014	11:06:50	0.011
9/11/2014	11:07:50	0.011
9/11/2014	11:08:50	0.01
9/11/2014	11:09:50	0.013
9/11/2014	11:10:50	0.014
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9/11/2014	11:12:50	0.013
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9/11/2014	11:16:50	0.012
9/11/2014	11:17:50	0.012
9/11/2014	11:18:50	0.014
9/11/2014	11:19:50	0.015
9/11/2014	11:20:50	0.015
9/11/2014	11:21:50	0.014
9/11/2014	11:22:50	0.015
9/11/2014	11:23:50	0.017
9/11/2014	11:24:50	0.016
9/11/2014	11:25:50	0.014

9/11/2014	11:26:50	0.014
9/11/2014	11:27:50	0.015
9/11/2014	11:28:50	0.015
9/11/2014	11:29:50	0.014
9/11/2014	11:30:50	0.013
9/11/2014	11:31:50	0.013
9/11/2014	11:32:50	0.014
9/11/2014	11:33:50	0.014
9/11/2014	11:34:50	0.014
9/11/2014	11:35:50	0.014
9/11/2014	11:36:50	0.012
9/11/2014	11:37:50	0.013
9/11/2014	11:38:50	0.012
9/11/2014	11:39:50	0.012
9/11/2014	11:40:50	0.011
9/11/2014	11:41:50	0.016
9/11/2014	11:42:50	0.014
9/11/2014	11:43:50	0.011
9/11/2014	11:44:50	0.011
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9/11/2014	11:49:50	0.022
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9/11/2014	11:53:50	0.015
9/11/2014	11:54:50	0.012
9/11/2014	11:55:50	0.011
9/11/2014	11:56:50	0.01
9/11/2014	11:57:50	0.023
9/11/2014	11:58:50	0.011
9/11/2014	11:59:50	0.016
9/11/2014	12:00:50	0.014
9/11/2014	12:01:50	0.012
9/11/2014	12:02:50	0.01
9/11/2014	12:03:50	0.01
9/11/2014	12:04:50	0.01
9/11/2014	12:05:50	0.01
9/11/2014	12:06:50	0.01
9/11/2014	12:07:50	0.021
9/11/2014	12:08:50	0.012
9/11/2014	12:09:50	0.011
9/11/2014	12:10:50	0.011
9/11/2014	12:11:50	0.01
9/11/2014	12:12:50	0.011

9/11/2014	12:13:50	0.01
9/11/2014	12:14:50	0.011
9/11/2014	12:15:50	0.013
9/11/2014	12:16:50	0.01
9/11/2014	12:17:50	0.01
9/11/2014	12:18:50	0.012
9/11/2014	12:19:50	0.018
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9/11/2014	12:24:50	0.02
9/11/2014	12:25:50	0.015
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9/11/2014	12:27:50	0.01
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9/11/2014	12:29:50	0.012
9/11/2014	12:30:50	0.01
9/11/2014	12:31:50	0.014
9/11/2014	12:32:50	0.01
9/11/2014	12:33:50	0.01
9/11/2014	12:34:50	0.009
9/11/2014	12:35:50	0.011
9/11/2014	12:36:50	0.01
9/11/2014	12:37:50	0.009
9/11/2014	12:38:50	0.009
9/11/2014	12:39:50	0.009
9/11/2014	12:40:50	0.009
9/11/2014	12:41:50	0.01
9/11/2014	12:42:50	0.009
9/11/2014	12:43:50	0.009
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9/11/2014	12:45:50	0.009
9/11/2014	12:46:50	0.011
9/11/2014	12:47:50	0.009
9/11/2014	12:48:50	0.009
9/11/2014	12:49:50	0.016
9/11/2014	12:50:50	0.009
9/11/2014	12:51:50	0.009
9/11/2014	12:52:50	0.011
9/11/2014	12:53:50	0.01
9/11/2014	12:54:50	0.01
9/11/2014	12:55:50	0.008
9/11/2014	12:56:50	0.009
9/11/2014	12:57:50	0.009
9/11/2014	12:58:50	0.01
9/11/2014	12:59:50	0.01

9/11/2014	13:00:50	0.011
9/11/2014	13:01:50	0.011
9/11/2014	13:02:50	0.009
9/11/2014	13:03:50	0.011
9/11/2014	13:04:50	0.013
9/11/2014	13:05:50	0.011
9/11/2014	13:06:50	0.01
9/11/2014	13:07:50	0.01
9/11/2014	13:08:50	0.011
9/11/2014	13:09:50	0.01
9/11/2014	13:10:50	0.009
9/11/2014	13:11:50	0.012
9/11/2014	13:12:50	0.014
9/11/2014	13:13:50	0.013
9/11/2014	13:14:50	0.012
9/11/2014	13:15:50	0.011
9/11/2014	13:16:50	0.012
9/11/2014	13:17:50	0.014
9/11/2014	13:18:50	0.013
9/11/2014	13:19:50	0.011
9/11/2014	13:20:50	0.01
9/11/2014	13:21:50	0.011
9/11/2014	13:22:50	0.013
9/11/2014	13:23:50	0.012
9/11/2014	13:24:50	0.01
9/11/2014	13:25:50	0.013
9/11/2014	13:26:50	0.014
9/11/2014	13:27:50	0.01
9/11/2014	13:28:50	0.012
9/11/2014	13:29:50	0.015
9/11/2014	13:30:50	0.012
9/11/2014	13:31:50	0.01
9/11/2014	13:32:50	0.01
9/11/2014	13:33:50	0.01
9/11/2014	13:34:50	0.013
9/11/2014	13:35:50	0.012
9/11/2014	13:36:50	0.011
9/11/2014	13:37:50	0.01
9/11/2014	13:38:50	0.013
9/11/2014	13:39:50	0.02
9/11/2014	13:40:50	0.011
9/11/2014	13:41:50	0.011
9/11/2014	13:42:50	0.012
9/11/2014	13:43:50	0.014
9/11/2014	13:44:50	0.011
9/11/2014	13:45:50	0.011
9/11/2014	13:46:50	0.013

9/11/2014	13:47:50	0.012
9/11/2014	13:48:50	0.012
9/11/2014	13:49:50	0.021
9/11/2014	13:50:50	0.009
9/11/2014	13:51:50	0.01
9/11/2014	13:52:50	0.015
9/11/2014	13:53:50	0.01
9/11/2014	13:54:50	0.009
9/11/2014	13:55:50	0.009
9/11/2014	13:56:50	0.01
9/11/2014	13:57:50	0.009
9/11/2014	13:58:50	0.009
9/11/2014	13:59:50	0.009
9/11/2014	14:00:50	0.008
9/11/2014	14:01:50	0.009
9/11/2014	14:02:50	0.01
9/11/2014	14:03:50	0.015
9/11/2014	14:04:50	0.011
9/11/2014	14:05:50	0.01
9/11/2014	14:06:50	0.012
9/11/2014	14:07:50	0.028
9/11/2014	14:08:50	0.01
9/11/2014	14:09:50	0.012
9/11/2014	14:10:50	0.009
9/11/2014	14:11:50	0.01
9/11/2014	14:12:50	0.014
9/11/2014	14:13:50	0.009
9/11/2014	14:14:50	0.01
9/11/2014	14:15:50	0.009
9/11/2014	14:16:50	0.009
9/11/2014	14:17:50	0.011
9/11/2014	14:18:50	0.011
9/11/2014	14:19:50	0.01
9/11/2014	14:20:50	0.009
9/11/2014	14:21:50	0.009
9/11/2014	14:22:50	0.015
9/11/2014	14:23:50	0.011
9/11/2014	14:24:50	0.011
9/11/2014	14:25:50	0.013
9/11/2014	14:26:50	0.011
9/11/2014	14:27:50	0.01
9/11/2014	14:28:50	0.01
9/11/2014	14:29:50	0.01
9/11/2014	14:30:50	0.009
9/11/2014	14:31:50	0.01
9/11/2014	14:32:50	0.013
9/11/2014	14:33:50	0.01

9/11/2014	14:34:50	0.013
9/11/2014	14:35:50	0.012
9/11/2014	14:36:50	0.01
9/11/2014	14:37:50	0.024
9/11/2014	14:38:50	0.013
9/11/2014	14:39:50	0.01
9/11/2014	14:40:50	0.014
9/11/2014	14:41:50	0.008
9/11/2014	14:42:50	0.011
9/11/2014	14:43:50	0.008
9/11/2014	14:44:50	0.007
9/11/2014	14:45:50	0.007

==========
14/09/11 09:42
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-909123
Unit Firmware Ver V1.20A

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2014/09/11 09:42:21
End 2014/09/11 15:48:45
Sample Period(s) 60
Number of Records 366

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 50.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 25.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2014/09/09 10:22
Peak 0.098
Min 0.000
Average 0.000

****
Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2014/09/11 09:43:21	0.047	0.141	0.000
002	2014/09/11 09:44:21	0.000	0.000	0.000
003	2014/09/11 09:45:21	0.000	0.000	0.000
004	2014/09/11 09:46:21	0.000	0.000	0.000
005	2014/09/11 09:47:21	0.000	0.000	0.000
006	2014/09/11 09:48:21	0.000	0.000	0.000
007	2014/09/11 09:49:21	0.000	0.000	0.000
008	2014/09/11 09:50:21	0.000	0.000	0.000
009	2014/09/11 09:51:21	0.000	0.000	0.000
010	2014/09/11 09:52:21	0.000	0.000	0.000
011	2014/09/11 09:53:21	0.000	0.000	0.000
012	2014/09/11 09:54:21	0.000	0.000	0.000
013	2014/09/11 09:55:21	0.000	0.000	0.000
014	2014/09/11 09:56:21	0.000	0.000	0.000
015	2014/09/11 09:57:21	0.000	0.000	0.000
016	2014/09/11 09:58:21	0.000	0.000	0.000
017	2014/09/11 09:59:21	0.002	0.098	0.098
018	2014/09/11 10:00:21	0.022	0.368	0.000
019	2014/09/11 10:01:21	0.000	0.000	0.000
020	2014/09/11 10:02:21	0.000	0.000	0.000
021	2014/09/11 10:03:21	0.000	0.000	0.000

022	2014/09/11 10:04:21	0.000	0.000	0.000
023	2014/09/11 10:05:21	0.000	0.000	0.000
024	2014/09/11 10:06:21	0.000	0.000	0.000
025	2014/09/11 10:07:21	0.000	0.000	0.000
026	2014/09/11 10:08:21	0.000	0.000	0.000
027	2014/09/11 10:09:21	0.000	0.000	0.000
028	2014/09/11 10:10:21	0.000	0.000	0.000
029	2014/09/11 10:11:21	0.000	0.000	0.000
030	2014/09/11 10:12:21	0.000	0.000	0.000
031	2014/09/11 10:13:21	0.000	0.000	0.000
032	2014/09/11 10:14:21	0.000	0.000	0.000
033	2014/09/11 10:15:21	0.000	0.000	0.000
034	2014/09/11 10:16:21	0.000	0.000	0.000
035	2014/09/11 10:17:21	0.000	0.000	0.000
036	2014/09/11 10:18:21	0.000	0.000	0.000
037	2014/09/11 10:19:21	0.000	0.000	0.000
038	2014/09/11 10:20:21	0.000	0.000	0.000
039	2014/09/11 10:21:21	0.000	0.000	0.000
040	2014/09/11 10:22:21	0.000	0.000	0.000
041	2014/09/11 10:23:21	0.000	0.000	0.000
042	2014/09/11 10:24:21	0.000	0.000	0.000
043	2014/09/11 10:25:21	0.000	0.000	0.000
044	2014/09/11 10:26:21	0.000	0.000	0.000
045	2014/09/11 10:27:21	0.000	0.000	0.000
046	2014/09/11 10:28:21	0.000	0.000	0.000
047	2014/09/11 10:29:21	0.000	0.000	0.000
048	2014/09/11 10:30:21	0.000	0.000	0.000
049	2014/09/11 10:31:21	0.000	0.000	0.000
050	2014/09/11 10:32:21	0.000	0.000	0.000
051	2014/09/11 10:33:21	0.000	0.000	0.000
052	2014/09/11 10:34:21	0.000	0.000	0.000
053	2014/09/11 10:35:21	0.000	0.000	0.000
054	2014/09/11 10:36:21	0.000	0.000	0.000
055	2014/09/11 10:37:21	0.000	0.000	0.000
056	2014/09/11 10:38:21	0.000	0.000	0.000
057	2014/09/11 10:39:21	0.000	0.000	0.000
058	2014/09/11 10:40:21	0.000	0.000	0.000
059	2014/09/11 10:41:21	0.000	0.000	0.000
060	2014/09/11 10:42:21	0.000	0.000	0.000
061	2014/09/11 10:43:21	0.000	0.000	0.000
062	2014/09/11 10:44:21	0.000	0.000	0.000
063	2014/09/11 10:45:21	0.000	0.000	0.000
064	2014/09/11 10:46:21	0.000	0.000	0.000
065	2014/09/11 10:47:21	0.000	0.000	0.000
066	2014/09/11 10:48:21	0.000	0.000	0.000
067	2014/09/11 10:49:21	0.000	0.000	0.000
068	2014/09/11 10:50:21	0.000	0.000	0.000
069	2014/09/11 10:51:21	0.000	0.000	0.000
070	2014/09/11 10:52:21	0.000	0.000	0.000
071	2014/09/11 10:53:21	0.000	0.000	0.000
072	2014/09/11 10:54:21	0.000	0.000	0.000
073	2014/09/11 10:55:21	0.000	0.000	0.000
074	2014/09/11 10:56:21	0.000	0.000	0.000
075	2014/09/11 10:57:21	0.000	0.000	0.000
076	2014/09/11 10:58:21	0.000	0.000	0.000
077	2014/09/11 10:59:21	0.000	0.000	0.000
078	2014/09/11 11:00:21	0.000	0.000	0.000
079	2014/09/11 11:01:21	0.000	0.000	0.000
080	2014/09/11 11:02:21	0.000	0.000	0.000
081	2014/09/11 11:03:21	0.000	0.000	0.000
082	2014/09/11 11:04:21	0.000	0.000	0.000
083	2014/09/11 11:05:21	0.000	0.000	0.000
084	2014/09/11 11:06:21	0.000	0.000	0.000

085	2014/09/11 11:07:21	0.000	0.000	0.000
086	2014/09/11 11:08:21	0.000	0.000	0.000
087	2014/09/11 11:09:21	0.000	0.000	0.000
088	2014/09/11 11:10:21	0.000	0.000	0.000
089	2014/09/11 11:11:21	0.000	0.000	0.000
090	2014/09/11 11:12:21	0.000	0.000	0.000
091	2014/09/11 11:13:21	0.000	0.000	0.000
092	2014/09/11 11:14:21	0.000	0.000	0.000
093	2014/09/11 11:15:21	0.000	0.000	0.000
094	2014/09/11 11:16:21	0.000	0.000	0.000
095	2014/09/11 11:17:21	0.000	0.000	0.000
096	2014/09/11 11:18:21	0.000	0.000	0.000
097	2014/09/11 11:19:21	0.000	0.000	0.000
098	2014/09/11 11:20:21	0.000	0.000	0.000
099	2014/09/11 11:21:21	0.000	0.000	0.000
100	2014/09/11 11:22:21	0.000	0.000	0.000
101	2014/09/11 11:23:21	0.000	0.000	0.000
102	2014/09/11 11:24:21	0.000	0.000	0.000
103	2014/09/11 11:25:21	0.000	0.000	0.000
104	2014/09/11 11:26:21	0.000	0.000	0.000
105	2014/09/11 11:27:21	0.000	0.000	0.000
106	2014/09/11 11:28:21	0.000	0.000	0.000
107	2014/09/11 11:29:21	0.000	0.000	0.000
108	2014/09/11 11:30:21	0.000	0.000	0.000
109	2014/09/11 11:31:21	0.000	0.000	0.000
110	2014/09/11 11:32:21	0.000	0.000	0.000
111	2014/09/11 11:33:21	0.000	0.000	0.000
112	2014/09/11 11:34:21	0.000	0.000	0.000
113	2014/09/11 11:35:21	0.000	0.000	0.000
114	2014/09/11 11:36:21	0.000	0.000	0.000
115	2014/09/11 11:37:21	0.000	0.000	0.000
116	2014/09/11 11:38:21	0.000	0.000	0.000
117	2014/09/11 11:39:21	0.000	0.000	0.000
118	2014/09/11 11:40:21	0.000	0.000	0.000
119	2014/09/11 11:41:21	0.000	0.000	0.000
120	2014/09/11 11:42:21	0.000	0.000	0.000
121	2014/09/11 11:43:21	0.000	0.000	0.000
122	2014/09/11 11:44:21	0.000	0.000	0.000
123	2014/09/11 11:45:21	0.000	0.000	0.000
124	2014/09/11 11:46:21	0.000	0.000	0.000
125	2014/09/11 11:47:21	0.000	0.000	0.000
126	2014/09/11 11:48:21	0.000	0.000	0.000
127	2014/09/11 11:49:21	0.000	0.000	0.000
128	2014/09/11 11:50:21	0.000	0.000	0.000
129	2014/09/11 11:51:21	0.000	0.000	0.000
130	2014/09/11 11:52:21	0.000	0.000	0.000
131	2014/09/11 11:53:21	0.000	0.000	0.000
132	2014/09/11 11:54:21	0.000	0.000	0.000
133	2014/09/11 11:55:21	0.000	0.000	0.000
134	2014/09/11 11:56:21	0.000	0.000	0.000
135	2014/09/11 11:57:21	0.000	0.000	0.000
136	2014/09/11 11:58:21	0.000	0.000	0.000
137	2014/09/11 11:59:21	0.000	0.000	0.000
138	2014/09/11 12:00:21	0.000	0.000	0.000
139	2014/09/11 12:01:21	0.000	0.000	0.000
140	2014/09/11 12:02:21	0.000	0.000	0.000
141	2014/09/11 12:03:21	0.000	0.000	0.000
142	2014/09/11 12:04:21	0.000	0.000	0.000
143	2014/09/11 12:05:21	0.000	0.000	0.000
144	2014/09/11 12:06:21	0.000	0.000	0.000
145	2014/09/11 12:07:21	0.000	0.000	0.000
146	2014/09/11 12:08:21	0.000	0.000	0.000
147	2014/09/11 12:09:21	0.000	0.000	0.000

148	2014/09/11 12:10:21	0.000	0.000	0.000
149	2014/09/11 12:11:21	0.000	0.000	0.000
150	2014/09/11 12:12:21	0.000	0.000	0.000
151	2014/09/11 12:13:21	0.000	0.000	0.000
152	2014/09/11 12:14:21	0.000	0.000	0.000
153	2014/09/11 12:15:21	0.000	0.000	0.000
154	2014/09/11 12:16:21	0.000	0.000	0.000
155	2014/09/11 12:17:21	0.000	0.000	0.000
156	2014/09/11 12:18:21	0.000	0.000	0.000
157	2014/09/11 12:19:21	0.000	0.000	0.000
158	2014/09/11 12:20:21	0.000	0.000	0.000
159	2014/09/11 12:21:21	0.000	0.000	0.000
160	2014/09/11 12:22:21	0.000	0.000	0.000
161	2014/09/11 12:23:21	0.000	0.000	0.000
162	2014/09/11 12:24:21	0.000	0.000	0.000
163	2014/09/11 12:25:21	0.000	0.000	0.000
164	2014/09/11 12:26:21	0.000	0.000	0.000
165	2014/09/11 12:27:21	0.000	0.000	0.000
166	2014/09/11 12:28:21	0.000	0.000	0.000
167	2014/09/11 12:29:21	0.000	0.000	0.000
168	2014/09/11 12:30:21	0.000	0.000	0.000
169	2014/09/11 12:31:21	0.000	0.000	0.000
170	2014/09/11 12:32:21	0.000	0.000	0.000
171	2014/09/11 12:33:21	0.000	0.000	0.000
172	2014/09/11 12:34:21	0.000	0.000	0.000
173	2014/09/11 12:35:21	0.000	0.000	0.000
174	2014/09/11 12:36:21	0.000	0.000	0.000
175	2014/09/11 12:37:21	0.000	0.000	0.000
176	2014/09/11 12:38:21	0.000	0.000	0.000
177	2014/09/11 12:39:21	0.000	0.000	0.000
178	2014/09/11 12:40:21	0.000	0.000	0.000
179	2014/09/11 12:41:21	0.000	0.000	0.000
180	2014/09/11 12:42:21	0.000	0.000	0.000
181	2014/09/11 12:43:21	0.000	0.000	0.000
182	2014/09/11 12:44:21	0.000	0.000	0.000
183	2014/09/11 12:45:21	0.000	0.000	0.000
184	2014/09/11 12:46:21	0.000	0.000	0.000
185	2014/09/11 12:47:21	0.000	0.000	0.000
186	2014/09/11 12:48:21	0.000	0.000	0.000
187	2014/09/11 12:49:21	0.000	0.000	0.000
188	2014/09/11 12:50:21	0.000	0.000	0.000
189	2014/09/11 12:51:21	0.000	0.000	0.000
190	2014/09/11 12:52:21	0.000	0.000	0.000
191	2014/09/11 12:53:21	0.000	0.000	0.000
192	2014/09/11 12:54:21	0.000	0.000	0.000
193	2014/09/11 12:55:21	0.000	0.000	0.000
194	2014/09/11 12:56:21	0.000	0.000	0.000
195	2014/09/11 12:57:21	0.000	0.000	0.000
196	2014/09/11 12:58:21	0.000	0.000	0.000
197	2014/09/11 12:59:21	0.000	0.000	0.000
198	2014/09/11 13:00:21	0.000	0.000	0.000
199	2014/09/11 13:01:21	0.000	0.000	0.000
200	2014/09/11 13:02:21	0.000	0.000	0.000
201	2014/09/11 13:03:21	0.000	0.000	0.000
202	2014/09/11 13:04:21	0.000	0.000	0.000
203	2014/09/11 13:05:21	0.000	0.000	0.000
204	2014/09/11 13:06:21	0.000	0.000	0.000
205	2014/09/11 13:07:21	0.000	0.000	0.000
206	2014/09/11 13:08:21	0.000	0.000	0.000
207	2014/09/11 13:09:21	0.000	0.000	0.000
208	2014/09/11 13:10:21	0.000	0.000	0.000
209	2014/09/11 13:11:21	0.000	0.000	0.000
210	2014/09/11 13:12:21	0.000	0.000	0.000

211	2014/09/11 13:13:21	0.000	0.000	0.000
212	2014/09/11 13:14:21	0.000	0.000	0.000
213	2014/09/11 13:15:21	0.000	0.000	0.000
214	2014/09/11 13:16:21	0.000	0.000	0.000
215	2014/09/11 13:17:21	0.000	0.000	0.000
216	2014/09/11 13:18:21	0.000	0.000	0.000
217	2014/09/11 13:19:21	0.000	0.000	0.000
218	2014/09/11 13:20:21	0.000	0.000	0.000
219	2014/09/11 13:21:21	0.000	0.000	0.000
220	2014/09/11 13:22:21	0.000	0.000	0.000
221	2014/09/11 13:23:21	0.000	0.000	0.000
222	2014/09/11 13:24:21	0.000	0.000	0.000
223	2014/09/11 13:25:21	0.000	0.000	0.000
224	2014/09/11 13:26:21	0.000	0.000	0.000
225	2014/09/11 13:27:21	0.000	0.000	0.000
226	2014/09/11 13:28:21	0.000	0.000	0.000
227	2014/09/11 13:29:21	0.000	0.000	0.000
228	2014/09/11 13:30:21	0.000	0.000	0.000
229	2014/09/11 13:31:21	0.000	0.000	0.000
230	2014/09/11 13:32:21	0.000	0.000	0.000
231	2014/09/11 13:33:21	0.000	0.000	0.000
232	2014/09/11 13:34:21	0.000	0.000	0.000
233	2014/09/11 13:35:21	0.000	0.000	0.000
234	2014/09/11 13:36:21	0.000	0.000	0.000
235	2014/09/11 13:37:21	0.000	0.000	0.000
236	2014/09/11 13:38:21	0.000	0.000	0.000
237	2014/09/11 13:39:21	0.000	0.000	0.000
238	2014/09/11 13:40:21	0.000	0.000	0.000
239	2014/09/11 13:41:21	0.000	0.000	0.000
240	2014/09/11 13:42:21	0.000	0.000	0.000
241	2014/09/11 13:43:21	0.048	0.426	0.000
242	2014/09/11 13:44:21	0.048	0.671	0.000
243	2014/09/11 13:45:21	0.051	0.628	0.000
244	2014/09/11 13:46:21	0.000	0.000	0.000
245	2014/09/11 13:47:21	0.000	0.000	0.000
246	2014/09/11 13:48:21	0.000	0.000	0.000
247	2014/09/11 13:49:21	0.000	0.000	0.000
248	2014/09/11 13:50:21	0.000	0.000	0.000
249	2014/09/11 13:51:21	0.000	0.000	0.000
250	2014/09/11 13:52:21	0.000	0.000	0.000
251	2014/09/11 13:53:21	0.000	0.000	0.000
252	2014/09/11 13:54:21	0.000	0.000	0.000
253	2014/09/11 13:55:21	0.000	0.000	0.000
254	2014/09/11 13:56:21	0.000	0.000	0.000
255	2014/09/11 13:57:21	0.000	0.000	0.000
256	2014/09/11 13:58:21	0.000	0.000	0.000
257	2014/09/11 13:59:21	0.000	0.000	0.000
258	2014/09/11 14:00:21	0.000	0.000	0.000
259	2014/09/11 14:01:21	0.000	0.000	0.000
260	2014/09/11 14:02:21	0.000	0.000	0.000
261	2014/09/11 14:03:21	0.000	0.000	0.000
262	2014/09/11 14:04:21	0.000	0.000	0.000
263	2014/09/11 14:05:21	0.000	0.000	0.000
264	2014/09/11 14:06:21	0.000	0.000	0.000
265	2014/09/11 14:07:21	0.000	0.000	0.000
266	2014/09/11 14:08:21	0.000	0.000	0.000
267	2014/09/11 14:09:21	0.000	0.000	0.000
268	2014/09/11 14:10:21	0.000	0.000	0.000
269	2014/09/11 14:11:21	0.000	0.000	0.000
270	2014/09/11 14:12:21	0.000	0.000	0.000
271	2014/09/11 14:13:21	0.000	0.000	0.000
272	2014/09/11 14:14:21	0.000	0.000	0.000
273	2014/09/11 14:15:21	0.000	0.000	0.000

274	2014/09/11 14:16:21	0.000	0.000	0.000
275	2014/09/11 14:17:21	0.000	0.000	0.000
276	2014/09/11 14:18:21	0.000	0.000	0.000
277	2014/09/11 14:19:21	0.000	0.000	0.000
278	2014/09/11 14:20:21	0.000	0.000	0.000
279	2014/09/11 14:21:21	0.000	0.000	0.000
280	2014/09/11 14:22:21	0.000	0.000	0.000
281	2014/09/11 14:23:21	0.000	0.000	0.000
282	2014/09/11 14:24:21	0.000	0.000	0.000
283	2014/09/11 14:25:21	0.000	0.000	0.000
284	2014/09/11 14:26:21	0.000	0.000	0.000
285	2014/09/11 14:27:21	0.000	0.000	0.000
286	2014/09/11 14:28:21	0.000	0.000	0.000
287	2014/09/11 14:29:21	0.000	0.000	0.000
288	2014/09/11 14:30:21	0.000	0.000	0.000
289	2014/09/11 14:31:21	0.000	0.000	0.000
290	2014/09/11 14:32:21	0.000	0.000	0.000
291	2014/09/11 14:33:21	0.000	0.000	0.000
292	2014/09/11 14:34:21	0.000	0.000	0.000
293	2014/09/11 14:35:21	0.000	0.000	0.000
294	2014/09/11 14:36:21	0.000	0.000	0.000
295	2014/09/11 14:37:21	0.000	0.000	0.000
296	2014/09/11 14:38:21	0.000	0.000	0.000
297	2014/09/11 14:39:21	0.000	0.000	0.000
298	2014/09/11 14:40:21	0.000	0.000	0.000
299	2014/09/11 14:41:21	0.000	0.000	0.000
300	2014/09/11 14:42:21	0.000	0.000	0.000
301	2014/09/11 14:43:21	0.000	0.000	0.000
302	2014/09/11 14:44:21	0.000	0.000	0.000
303	2014/09/11 14:45:21	0.000	0.000	0.000
304	2014/09/11 14:46:21	0.000	0.000	0.000
305	2014/09/11 14:47:21	0.000	0.000	0.000
306	2014/09/11 14:48:21	0.000	0.000	0.000
307	2014/09/11 14:49:21	0.000	0.000	0.000
308	2014/09/11 14:50:21	0.000	0.000	0.000
309	2014/09/11 14:51:21	0.000	0.000	0.000
310	2014/09/11 14:52:21	0.000	0.000	0.000
311	2014/09/11 14:53:21	0.000	0.000	0.000
312	2014/09/11 14:54:21	0.000	0.000	0.000
313	2014/09/11 14:55:21	0.000	0.002	0.000
314	2014/09/11 14:56:21	0.000	0.000	0.000
315	2014/09/11 14:57:21	0.000	0.000	0.000
316	2014/09/11 14:58:21	0.000	0.000	0.000
317	2014/09/11 14:59:21	0.000	0.000	0.000
318	2014/09/11 15:00:21	0.000	0.000	0.000
319	2014/09/11 15:01:21	0.000	0.000	0.000
320	2014/09/11 15:02:21	0.000	0.000	0.000
321	2014/09/11 15:03:21	0.000	0.000	0.000
322	2014/09/11 15:04:21	0.000	0.000	0.000
323	2014/09/11 15:05:21	0.000	0.000	0.000
324	2014/09/11 15:06:21	0.000	0.000	0.000
325	2014/09/11 15:07:21	0.000	0.000	0.000
326	2014/09/11 15:08:21	0.000	0.000	0.000
327	2014/09/11 15:09:21	0.000	0.000	0.000
328	2014/09/11 15:10:21	0.000	0.000	0.000
329	2014/09/11 15:11:21	0.000	0.000	0.000
330	2014/09/11 15:12:21	0.000	0.000	0.000
331	2014/09/11 15:13:21	0.000	0.000	0.000
332	2014/09/11 15:14:21	0.000	0.000	0.000
333	2014/09/11 15:15:21	0.000	0.000	0.000
334	2014/09/11 15:16:21	0.000	0.000	0.000
335	2014/09/11 15:17:21	0.000	0.000	0.000
336	2014/09/11 15:18:21	0.000	0.000	0.000

337	2014/09/11 15:19:21	0.000	0.000	0.000
338	2014/09/11 15:20:21	0.000	0.000	0.000
339	2014/09/11 15:21:21	0.000	0.000	0.000
340	2014/09/11 15:22:21	0.000	0.000	0.000
341	2014/09/11 15:23:21	0.000	0.000	0.000
342	2014/09/11 15:24:21	0.000	0.000	0.000
343	2014/09/11 15:25:21	0.000	0.000	0.000
344	2014/09/11 15:26:21	0.000	0.000	0.000
345	2014/09/11 15:27:21	0.000	0.000	0.000
346	2014/09/11 15:28:21	0.000	0.000	0.000
347	2014/09/11 15:29:21	0.000	0.000	0.000
348	2014/09/11 15:30:21	0.000	0.000	0.000
349	2014/09/11 15:31:21	0.000	0.000	0.000
350	2014/09/11 15:32:21	0.000	0.000	0.000
351	2014/09/11 15:33:21	0.000	0.000	0.000
352	2014/09/11 15:34:21	0.000	0.000	0.000
353	2014/09/11 15:35:21	0.000	0.000	0.000
354	2014/09/11 15:36:21	0.000	0.000	0.000
355	2014/09/11 15:37:21	0.000	0.000	0.000
356	2014/09/11 15:38:21	0.000	0.000	0.000
357	2014/09/11 15:39:21	0.000	0.000	0.000
358	2014/09/11 15:40:21	0.000	0.000	0.000
359	2014/09/11 15:41:21	0.000	0.000	0.000
360	2014/09/11 15:42:21	0.000	0.000	0.000
361	2014/09/11 15:43:21	0.000	0.000	0.000
362	2014/09/11 15:44:21	0.000	0.000	0.000
363	2014/09/11 15:45:21	0.000	0.000	0.000
364	2014/09/11 15:46:21	0.000	0.000	0.000
365	2014/09/11 15:47:21	0.000	0.000	0.000
366	2014/09/11 15:48:21	0.000	0.000	0.000
Peak		0.051	0.671	0.098
Min		0.000	0.000	0.000
Average		0.001	0.006	0.000

****

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2014/09/11 09:43:21	0.000	---
002	2014/09/11 09:44:21	0.000	---
003	2014/09/11 09:45:21	0.000	---
004	2014/09/11 09:46:21	0.000	---
005	2014/09/11 09:47:21	0.000	---
006	2014/09/11 09:48:21	0.000	---
007	2014/09/11 09:49:21	0.000	---
008	2014/09/11 09:50:21	0.000	---
009	2014/09/11 09:51:21	0.000	---
010	2014/09/11 09:52:21	0.000	---
011	2014/09/11 09:53:21	0.000	---
012	2014/09/11 09:54:21	0.000	---
013	2014/09/11 09:55:21	0.000	---
014	2014/09/11 09:56:21	0.000	---
015	2014/09/11 09:57:21	0.000	0.000
016	2014/09/11 09:58:21	0.000	0.000
017	2014/09/11 09:59:21	0.000	0.007
018	2014/09/11 10:00:21	0.000	0.007
019	2014/09/11 10:01:21	0.000	0.007
020	2014/09/11 10:02:21	0.000	0.007
021	2014/09/11 10:03:21	0.000	0.007
022	2014/09/11 10:04:21	0.000	0.007
023	2014/09/11 10:05:21	0.000	0.007
024	2014/09/11 10:06:21	0.000	0.007
025	2014/09/11 10:07:21	0.000	0.007

026	2014/09/11 10:08:21	0.000	0.007
027	2014/09/11 10:09:21	0.000	0.007
028	2014/09/11 10:10:21	0.000	0.007
029	2014/09/11 10:11:21	0.000	0.007
030	2014/09/11 10:12:21	0.000	0.007
031	2014/09/11 10:13:21	0.000	0.007
032	2014/09/11 10:14:21	0.000	0.000
033	2014/09/11 10:15:21	0.000	0.000
034	2014/09/11 10:16:21	0.000	0.000
035	2014/09/11 10:17:21	0.000	0.000
036	2014/09/11 10:18:21	0.000	0.000
037	2014/09/11 10:19:21	0.000	0.000
038	2014/09/11 10:20:21	0.000	0.000
039	2014/09/11 10:21:21	0.000	0.000
040	2014/09/11 10:22:21	0.000	0.000
041	2014/09/11 10:23:21	0.000	0.000
042	2014/09/11 10:24:21	0.000	0.000
043	2014/09/11 10:25:21	0.000	0.000
044	2014/09/11 10:26:21	0.000	0.000
045	2014/09/11 10:27:21	0.000	0.000
046	2014/09/11 10:28:21	0.000	0.000
047	2014/09/11 10:29:21	0.000	0.000
048	2014/09/11 10:30:21	0.000	0.000
049	2014/09/11 10:31:21	0.000	0.000
050	2014/09/11 10:32:21	0.000	0.000
051	2014/09/11 10:33:21	0.000	0.000
052	2014/09/11 10:34:21	0.000	0.000
053	2014/09/11 10:35:21	0.000	0.000
054	2014/09/11 10:36:21	0.000	0.000
055	2014/09/11 10:37:21	0.000	0.000
056	2014/09/11 10:38:21	0.000	0.000
057	2014/09/11 10:39:21	0.000	0.000
058	2014/09/11 10:40:21	0.000	0.000
059	2014/09/11 10:41:21	0.000	0.000
060	2014/09/11 10:42:21	0.000	0.000
061	2014/09/11 10:43:21	0.000	0.000
062	2014/09/11 10:44:21	0.000	0.000
063	2014/09/11 10:45:21	0.000	0.000
064	2014/09/11 10:46:21	0.000	0.000
065	2014/09/11 10:47:21	0.000	0.000
066	2014/09/11 10:48:21	0.000	0.000
067	2014/09/11 10:49:21	0.000	0.000
068	2014/09/11 10:50:21	0.000	0.000
069	2014/09/11 10:51:21	0.000	0.000
070	2014/09/11 10:52:21	0.000	0.000
071	2014/09/11 10:53:21	0.000	0.000
072	2014/09/11 10:54:21	0.000	0.000
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074	2014/09/11 10:56:21	0.000	0.000
075	2014/09/11 10:57:21	0.000	0.000
076	2014/09/11 10:58:21	0.000	0.000
077	2014/09/11 10:59:21	0.000	0.000
078	2014/09/11 11:00:21	0.000	0.000
079	2014/09/11 11:01:21	0.000	0.000
080	2014/09/11 11:02:21	0.000	0.000
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082	2014/09/11 11:04:21	0.000	0.000
083	2014/09/11 11:05:21	0.000	0.000
084	2014/09/11 11:06:21	0.000	0.000
085	2014/09/11 11:07:21	0.000	0.000
086	2014/09/11 11:08:21	0.000	0.000
087	2014/09/11 11:09:21	0.000	0.000
088	2014/09/11 11:10:21	0.000	0.000

089	2014/09/11 11:11:21	0.000	0.000
090	2014/09/11 11:12:21	0.000	0.000
091	2014/09/11 11:13:21	0.000	0.000
092	2014/09/11 11:14:21	0.000	0.000
093	2014/09/11 11:15:21	0.000	0.000
094	2014/09/11 11:16:21	0.000	0.000
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096	2014/09/11 11:18:21	0.000	0.000
097	2014/09/11 11:19:21	0.000	0.000
098	2014/09/11 11:20:21	0.000	0.000
099	2014/09/11 11:21:21	0.000	0.000
100	2014/09/11 11:22:21	0.000	0.000
101	2014/09/11 11:23:21	0.000	0.000
102	2014/09/11 11:24:21	0.000	0.000
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106	2014/09/11 11:28:21	0.000	0.000
107	2014/09/11 11:29:21	0.000	0.000
108	2014/09/11 11:30:21	0.000	0.000
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110	2014/09/11 11:32:21	0.000	0.000
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115	2014/09/11 11:37:21	0.000	0.000
116	2014/09/11 11:38:21	0.000	0.000
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118	2014/09/11 11:40:21	0.000	0.000
119	2014/09/11 11:41:21	0.000	0.000
120	2014/09/11 11:42:21	0.000	0.000
121	2014/09/11 11:43:21	0.000	0.000
122	2014/09/11 11:44:21	0.000	0.000
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134	2014/09/11 11:56:21	0.000	0.000
135	2014/09/11 11:57:21	0.000	0.000
136	2014/09/11 11:58:21	0.000	0.000
137	2014/09/11 11:59:21	0.000	0.000
138	2014/09/11 12:00:21	0.000	0.000
139	2014/09/11 12:01:21	0.000	0.000
140	2014/09/11 12:02:21	0.000	0.000
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150	2014/09/11 12:12:21	0.000	0.000
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154	2014/09/11 12:16:21	0.000	0.000
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156	2014/09/11 12:18:21	0.000	0.000
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200	2014/09/11 13:02:21	0.000	0.000
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212	2014/09/11 13:14:21	0.000	0.000
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240	2014/09/11 13:42:21	0.000	0.000
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242	2014/09/11 13:44:21	0.000	0.000
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244	2014/09/11 13:46:21	0.000	0.000
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260	2014/09/11 14:02:21	0.000	0.000
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321	2014/09/11 15:03:21	0.000	0.000
322	2014/09/11 15:04:21	0.000	0.000
323	2014/09/11 15:05:21	0.000	0.000
324	2014/09/11 15:06:21	0.000	0.000
325	2014/09/11 15:07:21	0.000	0.000
326	2014/09/11 15:08:21	0.000	0.000
327	2014/09/11 15:09:21	0.000	0.000
328	2014/09/11 15:10:21	0.000	0.000
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330	2014/09/11 15:12:21	0.000	0.000
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332	2014/09/11 15:14:21	0.000	0.000
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334	2014/09/11 15:16:21	0.000	0.000
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336	2014/09/11 15:18:21	0.000	0.000
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338	2014/09/11 15:20:21	0.000	0.000
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345	2014/09/11 15:27:21	0.000	0.000
346	2014/09/11 15:28:21	0.000	0.000
347	2014/09/11 15:29:21	0.000	0.000
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349	2014/09/11 15:31:21	0.000	0.000
350	2014/09/11 15:32:21	0.000	0.000
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353	2014/09/11 15:35:21	0.000	0.000
354	2014/09/11 15:36:21	0.000	0.000
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360	2014/09/11 15:42:21	0.000	0.000
361	2014/09/11 15:43:21	0.000	0.000
362	2014/09/11 15:44:21	0.000	0.000
363	2014/09/11 15:45:21	0.000	0.000
364	2014/09/11 15:46:21	0.000	0.000
365	2014/09/11 15:47:21	0.000	0.000
366	2014/09/11 15:48:21	0.000	0.000

TrakPro Version 4.61 ASCII Data File

Model:	DustTrak DRX
Model Number:	8533
Serial Number:	8533142714
Test ID:	2
Test Abbreviation:	MANUAL_002
Start Date:	9/12/2014
Start Time:	7:50:19
Duration (dd:hh:mm:ss):	0:07:32:00
Log Interval (mm:ss):	1:00
Number of points:	452
Notes:	

Statistics	Channel:	TOTAL
	Units:	mg/m^3
	Average:	0.005
	Minimum:	0
	Time of Minimum:	9:50:19
	Date of Minimum:	9/12/2014
	Maximum:	0.076
	Time of Maximum:	9:19:19
	Date of Maximum:	9/12/2014

Calibration	Sensor:	AEROSOL
	Cal. date	7/2/2014

Date	Time	TOTAL
MM/dd/yyyy	hh:mm:ss	mg/m^3
9/12/2014	7:51:19	0.016
9/12/2014	7:52:19	0.003
9/12/2014	7:53:19	0.003
9/12/2014	7:54:19	0.002
9/12/2014	7:55:19	0.004
9/12/2014	7:56:19	0.002
9/12/2014	7:57:19	0.002
9/12/2014	7:58:19	0.002
9/12/2014	7:59:19	0.002
9/12/2014	8:00:19	0.003
9/12/2014	8:01:19	0.002
9/12/2014	8:02:19	0.001
9/12/2014	8:03:19	0.002
9/12/2014	8:04:19	0.003
9/12/2014	8:05:19	0.002
9/12/2014	8:06:19	0.001
9/12/2014	8:07:19	0.005
9/12/2014	8:08:19	0.008

9/12/2014	8:09:19	0.008
9/12/2014	8:10:19	0.013
9/12/2014	8:11:19	0.009
9/12/2014	8:12:19	0.005
9/12/2014	8:13:19	0.005
9/12/2014	8:14:19	0.004
9/12/2014	8:15:19	0.005
9/12/2014	8:16:19	0.009
9/12/2014	8:17:19	0.009
9/12/2014	8:18:19	0.006
9/12/2014	8:19:19	0.007
9/12/2014	8:20:19	0.004
9/12/2014	8:21:19	0.004
9/12/2014	8:22:19	0.003
9/12/2014	8:23:19	0.005
9/12/2014	8:24:19	0.002
9/12/2014	8:25:19	0.004
9/12/2014	8:26:19	0.005
9/12/2014	8:27:19	0.002
9/12/2014	8:28:19	0.001
9/12/2014	8:29:19	0.002
9/12/2014	8:30:19	0.002
9/12/2014	8:31:19	0.002
9/12/2014	8:32:19	0.002
9/12/2014	8:33:19	0.001
9/12/2014	8:34:19	0.002
9/12/2014	8:35:19	0.003
9/12/2014	8:36:19	0.002
9/12/2014	8:37:19	0.005
9/12/2014	8:38:19	0.003
9/12/2014	8:39:19	0.002
9/12/2014	8:40:19	0.002
9/12/2014	8:41:19	0.002
9/12/2014	8:42:19	0.002
9/12/2014	8:43:19	0.002
9/12/2014	8:44:19	0.002
9/12/2014	8:45:19	0.002
9/12/2014	8:46:19	0.002
9/12/2014	8:47:19	0.002
9/12/2014	8:48:19	0.002
9/12/2014	8:49:19	0.01
9/12/2014	8:50:19	0.004
9/12/2014	8:51:19	0.004
9/12/2014	8:52:19	0.003
9/12/2014	8:53:19	0.002
9/12/2014	8:54:19	0.002
9/12/2014	8:55:19	0.002

9/12/2014	8:56:19	0.003
9/12/2014	8:57:19	0.01
9/12/2014	8:58:19	0.067
9/12/2014	8:59:19	0.019
9/12/2014	9:00:19	0.004
9/12/2014	9:01:19	0.011
9/12/2014	9:02:19	0.007
9/12/2014	9:03:19	0.003
9/12/2014	9:04:19	0.003
9/12/2014	9:05:19	0.018
9/12/2014	9:06:19	0.022
9/12/2014	9:07:19	0.021
9/12/2014	9:08:19	0.016
9/12/2014	9:09:19	0.005
9/12/2014	9:10:19	0.006
9/12/2014	9:11:19	0.009
9/12/2014	9:12:19	0.004
9/12/2014	9:13:19	0.002
9/12/2014	9:14:19	0.001
9/12/2014	9:15:19	0.001
9/12/2014	9:16:19	0.006
9/12/2014	9:17:19	0.049
9/12/2014	9:18:19	0.032
9/12/2014	9:19:19	0.076
9/12/2014	9:20:19	0.024
9/12/2014	9:21:19	0.013
9/12/2014	9:22:19	0.063
9/12/2014	9:23:19	0.018
9/12/2014	9:24:19	0.006
9/12/2014	9:25:19	0.016
9/12/2014	9:26:19	0.007
9/12/2014	9:27:19	0.012
9/12/2014	9:28:19	0.054
9/12/2014	9:29:19	0.052
9/12/2014	9:30:19	0.031
9/12/2014	9:31:19	0.009
9/12/2014	9:32:19	0.003
9/12/2014	9:33:19	0.064
9/12/2014	9:34:19	0.013
9/12/2014	9:35:19	0.006
9/12/2014	9:36:19	0.049
9/12/2014	9:37:19	0.01
9/12/2014	9:38:19	0.005
9/12/2014	9:39:19	0.02
9/12/2014	9:40:19	0.014
9/12/2014	9:41:19	0.003
9/12/2014	9:42:19	0.001

9/12/2014	9:43:19	0.001
9/12/2014	9:44:19	0.002
9/12/2014	9:45:19	0.002
9/12/2014	9:46:19	0.002
9/12/2014	9:47:19	0.002
9/12/2014	9:48:19	0.001
9/12/2014	9:49:19	0.001
9/12/2014	9:50:19	0
9/12/2014	9:51:19	0.001
9/12/2014	9:52:19	0.007
9/12/2014	9:53:19	0.006
9/12/2014	9:54:19	0.002
9/12/2014	9:55:19	0.001
9/12/2014	9:56:19	0.001
9/12/2014	9:57:19	0.001
9/12/2014	9:58:19	0.001
9/12/2014	9:59:19	0.002
9/12/2014	10:00:19	0.001
9/12/2014	10:01:19	0.001
9/12/2014	10:02:19	0.001
9/12/2014	10:03:19	0.001
9/12/2014	10:04:19	0.002
9/12/2014	10:05:19	0.001
9/12/2014	10:06:19	0.001
9/12/2014	10:07:19	0.002
9/12/2014	10:08:19	0.002
9/12/2014	10:09:19	0.007
9/12/2014	10:10:19	0.004
9/12/2014	10:11:19	0.001
9/12/2014	10:12:19	0.002
9/12/2014	10:13:19	0.002
9/12/2014	10:14:19	0.002
9/12/2014	10:15:19	0.001
9/12/2014	10:16:19	0.002
9/12/2014	10:17:19	0.002
9/12/2014	10:18:19	0.001
9/12/2014	10:19:19	0.002
9/12/2014	10:20:19	0.002
9/12/2014	10:21:19	0.004
9/12/2014	10:22:19	0.002
9/12/2014	10:23:19	0.002
9/12/2014	10:24:19	0.002
9/12/2014	10:25:19	0.001
9/12/2014	10:26:19	0.002
9/12/2014	10:27:19	0.003
9/12/2014	10:28:19	0.001
9/12/2014	10:29:19	0.002

9/12/2014	10:30:19	0.001
9/12/2014	10:31:19	0.005
9/12/2014	10:32:19	0.004
9/12/2014	10:33:19	0.002
9/12/2014	10:34:19	0.002
9/12/2014	10:35:19	0.001
9/12/2014	10:36:19	0.002
9/12/2014	10:37:19	0.007
9/12/2014	10:38:19	0.003
9/12/2014	10:39:19	0.003
9/12/2014	10:40:19	0.001
9/12/2014	10:41:19	0.004
9/12/2014	10:42:19	0.002
9/12/2014	10:43:19	0.002
9/12/2014	10:44:19	0.002
9/12/2014	10:45:19	0.001
9/12/2014	10:46:19	0.002
9/12/2014	10:47:19	0.001
9/12/2014	10:48:19	0.002
9/12/2014	10:49:19	0.003
9/12/2014	10:50:19	0.004
9/12/2014	10:51:19	0.002
9/12/2014	10:52:19	0.008
9/12/2014	10:53:19	0.012
9/12/2014	10:54:19	0.008
9/12/2014	10:55:19	0.002
9/12/2014	10:56:19	0.003
9/12/2014	10:57:19	0.002
9/12/2014	10:58:19	0.002
9/12/2014	10:59:19	0.001
9/12/2014	11:00:19	0.001
9/12/2014	11:01:19	0.001
9/12/2014	11:02:19	0.003
9/12/2014	11:03:19	0.004
9/12/2014	11:04:19	0.002
9/12/2014	11:05:19	0.001
9/12/2014	11:06:19	0.002
9/12/2014	11:07:19	0.001
9/12/2014	11:08:19	0.002
9/12/2014	11:09:19	0.002
9/12/2014	11:10:19	0.001
9/12/2014	11:11:19	0.003
9/12/2014	11:12:19	0.001
9/12/2014	11:13:19	0.002
9/12/2014	11:14:19	0.002
9/12/2014	11:15:19	0.001
9/12/2014	11:16:19	0.002

9/12/2014	11:17:19	0.002
9/12/2014	11:18:19	0.002
9/12/2014	11:19:19	0.005
9/12/2014	11:20:19	0.001
9/12/2014	11:21:19	0.002
9/12/2014	11:22:19	0.002
9/12/2014	11:23:19	0.001
9/12/2014	11:24:19	0.002
9/12/2014	11:25:19	0.002
9/12/2014	11:26:19	0.002
9/12/2014	11:27:19	0.001
9/12/2014	11:28:19	0.004
9/12/2014	11:29:19	0.05
9/12/2014	11:30:19	0.007
9/12/2014	11:31:19	0.006
9/12/2014	11:32:19	0.001
9/12/2014	11:33:19	0.004
9/12/2014	11:34:19	0.006
9/12/2014	11:35:19	0.002
9/12/2014	11:36:19	0.002
9/12/2014	11:37:19	0.005
9/12/2014	11:38:19	0.002
9/12/2014	11:39:19	0.003
9/12/2014	11:40:19	0.005
9/12/2014	11:41:19	0.002
9/12/2014	11:42:19	0.001
9/12/2014	11:43:19	0.001
9/12/2014	11:44:19	0.001
9/12/2014	11:45:19	0.001
9/12/2014	11:46:19	0.001
9/12/2014	11:47:19	0.002
9/12/2014	11:48:19	0.001
9/12/2014	11:49:19	0.003
9/12/2014	11:50:19	0.001
9/12/2014	11:51:19	0.001
9/12/2014	11:52:19	0.001
9/12/2014	11:53:19	0.001
9/12/2014	11:54:19	0.001
9/12/2014	11:55:19	0.013
9/12/2014	11:56:19	0.013
9/12/2014	11:57:19	0.021
9/12/2014	11:58:19	0.002
9/12/2014	11:59:19	0.003
9/12/2014	12:00:19	0.005
9/12/2014	12:01:19	0.003
9/12/2014	12:02:19	0.004
9/12/2014	12:03:19	0.006

9/12/2014	12:04:19	0.012
9/12/2014	12:05:19	0.002
9/12/2014	12:06:19	0.001
9/12/2014	12:07:19	0.001
9/12/2014	12:08:19	0.002
9/12/2014	12:09:19	0.001
9/12/2014	12:10:19	0.001
9/12/2014	12:11:19	0.001
9/12/2014	12:12:19	0.001
9/12/2014	12:13:19	0.002
9/12/2014	12:14:19	0.004
9/12/2014	12:15:19	0.002
9/12/2014	12:16:19	0.001
9/12/2014	12:17:19	0.005
9/12/2014	12:18:19	0.002
9/12/2014	12:19:19	0.005
9/12/2014	12:20:19	0.002
9/12/2014	12:21:19	0.001
9/12/2014	12:22:19	0.001
9/12/2014	12:23:19	0.001
9/12/2014	12:24:19	0.001
9/12/2014	12:25:19	0.007
9/12/2014	12:26:19	0.002
9/12/2014	12:27:19	0.001
9/12/2014	12:28:19	0.003
9/12/2014	12:29:19	0.002
9/12/2014	12:30:19	0.011
9/12/2014	12:31:19	0.005
9/12/2014	12:32:19	0.004
9/12/2014	12:33:19	0.003
9/12/2014	12:34:19	0.004
9/12/2014	12:35:19	0.006
9/12/2014	12:36:19	0.004
9/12/2014	12:37:19	0.008
9/12/2014	12:38:19	0.005
9/12/2014	12:39:19	0.004
9/12/2014	12:40:19	0.001
9/12/2014	12:41:19	0.001
9/12/2014	12:42:19	0.001
9/12/2014	12:43:19	0.002
9/12/2014	12:44:19	0.001
9/12/2014	12:45:19	0
9/12/2014	12:46:19	0.002
9/12/2014	12:47:19	0.001
9/12/2014	12:48:19	0.001
9/12/2014	12:49:19	0.002
9/12/2014	12:50:19	0.001

9/12/2014	12:51:19	0.003
9/12/2014	12:52:19	0.002
9/12/2014	12:53:19	0.001
9/12/2014	12:54:19	0.001
9/12/2014	12:55:19	0.001
9/12/2014	12:56:19	0.001
9/12/2014	12:57:19	0.002
9/12/2014	12:58:19	0.002
9/12/2014	12:59:19	0.002
9/12/2014	13:00:19	0.001
9/12/2014	13:01:19	0.003
9/12/2014	13:02:19	0.002
9/12/2014	13:03:19	0.002
9/12/2014	13:04:19	0.003
9/12/2014	13:05:19	0.002
9/12/2014	13:06:19	0.006
9/12/2014	13:07:19	0.002
9/12/2014	13:08:19	0.013
9/12/2014	13:09:19	0.005
9/12/2014	13:10:19	0.005
9/12/2014	13:11:19	0.02
9/12/2014	13:12:19	0.007
9/12/2014	13:13:19	0.015
9/12/2014	13:14:19	0.008
9/12/2014	13:15:19	0.002
9/12/2014	13:16:19	0.004
9/12/2014	13:17:19	0.001
9/12/2014	13:18:19	0.002
9/12/2014	13:19:19	0.001
9/12/2014	13:20:19	0.004
9/12/2014	13:21:19	0.003
9/12/2014	13:22:19	0.003
9/12/2014	13:23:19	0.002
9/12/2014	13:24:19	0.003
9/12/2014	13:25:19	0.001
9/12/2014	13:26:19	0.002
9/12/2014	13:27:19	0.003
9/12/2014	13:28:19	0.002
9/12/2014	13:29:19	0.001
9/12/2014	13:30:19	0.001
9/12/2014	13:31:19	0.001
9/12/2014	13:32:19	0.002
9/12/2014	13:33:19	0.001
9/12/2014	13:34:19	0.002
9/12/2014	13:35:19	0.001
9/12/2014	13:36:19	0.003
9/12/2014	13:37:19	0.003

9/12/2014	13:38:19	0.002
9/12/2014	13:39:19	0.003
9/12/2014	13:40:19	0.005
9/12/2014	13:41:19	0.002
9/12/2014	13:42:19	0.002
9/12/2014	13:43:19	0.006
9/12/2014	13:44:19	0.003
9/12/2014	13:45:19	0.003
9/12/2014	13:46:19	0.002
9/12/2014	13:47:19	0.001
9/12/2014	13:48:19	0.002
9/12/2014	13:49:19	0.003
9/12/2014	13:50:19	0.001
9/12/2014	13:51:19	0.002
9/12/2014	13:52:19	0.009
9/12/2014	13:53:19	0.001
9/12/2014	13:54:19	0.003
9/12/2014	13:55:19	0.001
9/12/2014	13:56:19	0.004
9/12/2014	13:57:19	0.002
9/12/2014	13:58:19	0.003
9/12/2014	13:59:19	0.003
9/12/2014	14:00:19	0.003
9/12/2014	14:01:19	0.003
9/12/2014	14:02:19	0.004
9/12/2014	14:03:19	0.003
9/12/2014	14:04:19	0.003
9/12/2014	14:05:19	0.004
9/12/2014	14:06:19	0.004
9/12/2014	14:07:19	0.004
9/12/2014	14:08:19	0.003
9/12/2014	14:09:19	0.004
9/12/2014	14:10:19	0.003
9/12/2014	14:11:19	0.003
9/12/2014	14:12:19	0.002
9/12/2014	14:13:19	0.003
9/12/2014	14:14:19	0.004
9/12/2014	14:15:19	0.004
9/12/2014	14:16:19	0.007
9/12/2014	14:17:19	0.012
9/12/2014	14:18:19	0.008
9/12/2014	14:19:19	0.041
9/12/2014	14:20:19	0.01
9/12/2014	14:21:19	0.004
9/12/2014	14:22:19	0.005
9/12/2014	14:23:19	0.009
9/12/2014	14:24:19	0.005

9/12/2014	14:25:19	0.002
9/12/2014	14:26:19	0.005
9/12/2014	14:27:19	0.011
9/12/2014	14:28:19	0.003
9/12/2014	14:29:19	0.003
9/12/2014	14:30:19	0.005
9/12/2014	14:31:19	0.002
9/12/2014	14:32:19	0.002
9/12/2014	14:33:19	0.006
9/12/2014	14:34:19	0.004
9/12/2014	14:35:19	0.003
9/12/2014	14:36:19	0.016
9/12/2014	14:37:19	0.013
9/12/2014	14:38:19	0.003
9/12/2014	14:39:19	0.004
9/12/2014	14:40:19	0.004
9/12/2014	14:41:19	0.004
9/12/2014	14:42:19	0.008
9/12/2014	14:43:19	0.005
9/12/2014	14:44:19	0.004
9/12/2014	14:45:19	0.025
9/12/2014	14:46:19	0.006
9/12/2014	14:47:19	0.003
9/12/2014	14:48:19	0.005
9/12/2014	14:49:19	0.041
9/12/2014	14:50:19	0.018
9/12/2014	14:51:19	0.005
9/12/2014	14:52:19	0.011
9/12/2014	14:53:19	0.005
9/12/2014	14:54:19	0.003
9/12/2014	14:55:19	0.01
9/12/2014	14:56:19	0.007
9/12/2014	14:57:19	0.007
9/12/2014	14:58:19	0.005
9/12/2014	14:59:19	0.003
9/12/2014	15:00:19	0.009
9/12/2014	15:01:19	0.003
9/12/2014	15:02:19	0.002
9/12/2014	15:03:19	0.003
9/12/2014	15:04:19	0.003
9/12/2014	15:05:19	0.003
9/12/2014	15:06:19	0.003
9/12/2014	15:07:19	0.003
9/12/2014	15:08:19	0.003
9/12/2014	15:09:19	0.005
9/12/2014	15:10:19	0.004
9/12/2014	15:11:19	0.004

9/12/2014	15:12:19	0.007
9/12/2014	15:13:19	0.007
9/12/2014	15:14:19	0.009
9/12/2014	15:15:19	0.005
9/12/2014	15:16:19	0.006
9/12/2014	15:17:19	0.004
9/12/2014	15:18:19	0.004
9/12/2014	15:19:19	0.003
9/12/2014	15:20:19	0.005
9/12/2014	15:21:19	0.005
9/12/2014	15:22:19	0.004

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530172410
Firmware Version	3.7
Calibration Date	6/13/2017
Test Name	MANUAL_001
Test Start Time	8:55:24 AM
Test Start Date	7/22/2021
Test Length [D:H:M]	0:07:22
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.01
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.018
Mass TWA [mg/m3]	0.01
Photometric User Cal	0.68
Flow User Cal	0
Errors	
Number of Samples	442

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.018		
120	0.016		
180	0.016		
240	0.015		
300	0.015		
360	0.014		
420	0.016		
480	0.016		
540	0.016		
600	0.016		
660	0.015		
720	0.015		
780	0.014		
840	0.014		
900	0.014		
960	0.015		
1020	0.014		
1080	0.014		
1140	0.014		
1200	0.015		
1260	0.015		
1320	0.017		
1380	0.017		
1440	0.015		
1500	0.015		
1560	0.015		
1620	0.014		

1680	0.017
1740	0.018
1800	0.015
1860	0.017
1920	0.015
1980	0.016
2040	0.014
2100	0.014
2160	0.015
2220	0.014
2280	0.014
2340	0.014
2400	0.013
2460	0.013
2520	0.013
2580	0.013
2640	0.012
2700	0.013
2760	0.013
2820	0.013
2880	0.013
2940	0.013
3000	0.013
3060	0.013
3120	0.013
3180	0.012
3240	0.012
3300	0.012
3360	0.013
3420	0.014
3480	0.012
3540	0.012
3600	0.012
3660	0.012
3720	0.012
3780	0.012
3840	0.012
3900	0.012
3960	0.011
4020	0.011
4080	0.012
4140	0.011
4200	0.012
4260	0.012
4320	0.012
4380	0.012
4440	0.011

4500	0.011
4560	0.011
4620	0.011
4680	0.013
4740	0.013
4800	0.012
4860	0.012
4920	0.013
4980	0.014
5040	0.012
5100	0.012
5160	0.012
5220	0.012
5280	0.012
5340	0.012
5400	0.012
5460	0.011
5520	0.011
5580	0.012
5640	0.012
5700	0.011
5760	0.011
5820	0.014
5880	0.011
5940	0.011
6000	0.011
6060	0.01
6120	0.01
6180	0.011
6240	0.012
6300	0.012
6360	0.011
6420	0.011
6480	0.011
6540	0.01
6600	0.01
6660	0.011
6720	0.01
6780	0.01
6840	0.011
6900	0.01
6960	0.01
7020	0.009
7080	0.009
7140	0.009
7200	0.009
7260	0.01

7320	0.009
7380	0.009
7440	0.009
7500	0.009
7560	0.009
7620	0.009
7680	0.01
7740	0.01
7800	0.009
7860	0.009
7920	0.009
7980	0.009
8040	0.009
8100	0.01
8160	0.01
8220	0.01
8280	0.009
8340	0.009
8400	0.01
8460	0.009
8520	0.009
8580	0.009
8640	0.009
8700	0.009
8760	0.009
8820	0.009
8880	0.009
8940	0.009
9000	0.009
9060	0.009
9120	0.009
9180	0.009
9240	0.009
9300	0.009
9360	0.009
9420	0.009
9480	0.009
9540	0.009
9600	0.01
9660	0.01
9720	0.01
9780	0.009
9840	0.009
9900	0.009
9960	0.009
10020	0.01
10080	0.01

10140	0.01
10200	0.01
10260	0.009
10320	0.01
10380	0.01
10440	0.01
10500	0.01
10560	0.01
10620	0.01
10680	0.01
10740	0.01
10800	0.01
10860	0.01
10920	0.01
10980	0.01
11040	0.01
11100	0.011
11160	0.01
11220	0.01
11280	0.01
11340	0.01
11400	0.01
11460	0.01
11520	0.01
11580	0.01
11640	0.01
11700	0.011
11760	0.009
11820	0.009
11880	0.009
11940	0.011
12000	0.01
12060	0.01
12120	0.009
12180	0.009
12240	0.01
12300	0.01
12360	0.009
12420	0.009
12480	0.01
12540	0.01
12600	0.01
12660	0.01
12720	0.01
12780	0.011
12840	0.01
12900	0.01

12960	0.01
13020	0.01
13080	0.01
13140	0.009
13200	0.01
13260	0.009
13320	0.009
13380	0.01
13440	0.011
13500	0.01
13560	0.01
13620	0.01
13680	0.01
13740	0.011
13800	0.011
13860	0.011
13920	0.01
13980	0.01
14040	0.011
14100	0.01
14160	0.01
14220	0.011
14280	0.01
14340	0.01
14400	0.01
14460	0.01
14520	0.01
14580	0.009
14640	0.01
14700	0.011
14760	0.011
14820	0.01
14880	0.01
14940	0.01
15000	0.011
15060	0.01
15120	0.01
15180	0.01
15240	0.01
15300	0.01
15360	0.01
15420	0.01
15480	0.01
15540	0.01
15600	0.01
15660	0.01
15720	0.01

15780	0.01
15840	0.01
15900	0.01
15960	0.011
16020	0.01
16080	0.011
16140	0.01
16200	0.01
16260	0.01
16320	0.01
16380	0.01
16440	0.01
16500	0.01
16560	0.01
16620	0.01
16680	0.011
16740	0.01
16800	0.009
16860	0.01
16920	0.01
16980	0.01
17040	0.011
17100	0.009
17160	0.01
17220	0.01
17280	0.01
17340	0.01
17400	0.009
17460	0.009
17520	0.009
17580	0.01
17640	0.009
17700	0.01
17760	0.009
17820	0.009
17880	0.009
17940	0.012
18000	0.01
18060	0.01
18120	0.01
18180	0.01
18240	0.01
18300	0.01
18360	0.01
18420	0.01
18480	0.01
18540	0.01

18600	0.01
18660	0.01
18720	0.01
18780	0.01
18840	0.01
18900	0.01
18960	0.01
19020	0.01
19080	0.01
19140	0.01
19200	0.01
19260	0.01
19320	0.01
19380	0.011
19440	0.011
19500	0.011
19560	0.01
19620	0.01
19680	0.01
19740	0.012
19800	0.01
19860	0.01
19920	0.01
19980	0.01
20040	0.01
20100	0.011
20160	0.01
20220	0.01
20280	0.01
20340	0.011
20400	0.01
20460	0.01
20520	0.011
20580	0.011
20640	0.01
20700	0.01
20760	0.01
20820	0.01
20880	0.009
20940	0.009
21000	0.009
21060	0.009
21120	0.009
21180	0.008
21240	0.009
21300	0.008
21360	0.008

21420	0.009
21480	0.008
21540	0.008
21600	0.008
21660	0.008
21720	0.009
21780	0.01
21840	0.009
21900	0.009
21960	0.009
22020	0.008
22080	0.008
22140	0.008
22200	0.008
22260	0.008
22320	0.008
22380	0.008
22440	0.008
22500	0.008
22560	0.011
22620	0.009
22680	0.009
22740	0.009
22800	0.01
22860	0.01
22920	0.01
22980	0.01
23040	0.01
23100	0.009
23160	0.01
23220	0.01
23280	0.01
23340	0.009
23400	0.009
23460	0.009
23520	0.009
23580	0.009
23640	0.01
23700	0.01
23760	0.01
23820	0.01
23880	0.009
23940	0.01
24000	0.009
24060	0.009
24120	0.011
24180	0.009

24240	0.012
24300	0.01
24360	0.009
24420	0.008
24480	0.009
24540	0.009
24600	0.008
24660	0.008
24720	0.008
24780	0.008
24840	0.008
24900	0.009
24960	0.008
25020	0.008
25080	0.008
25140	0.008
25200	0.008
25260	0.008
25320	0.007
25380	0.007
25440	0.007
25500	0.008
25560	0.008
25620	0.008
25680	0.008
25740	0.008
25800	0.008
25860	0.008
25920	0.008
25980	0.008
26040	0.008
26100	0.007
26160	0.007
26220	0.007
26280	0.008
26340	0.009
26400	0.009
26460	0.008
26520	0.007

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21/07/22 08:57
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907491
Unit Firmware Ver	V2.20A
Running Mode	Search Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00001
User ID	USER0000
Begin	7/22/2021 8:57
End	7/22/2021 16:19
Sample Period(s)	60
Number of Records	442
Sensor	PID(ppm)
Sensor SN	S023030316V9
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	7/22/2021 7:38
Peak	0.1
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	7/22/2021 8:58	0	0	0.3	0
2	7/22/2021 8:59	0	0	0	0
3	7/22/2021 9:00	0	0	0	0
4	7/22/2021 9:01	0	0	0	0
5	7/22/2021 9:02	0	0	0	0

6	7/22/2021 9:03	0	0	0	0
7	7/22/2021 9:04	0	0	0	0
8	7/22/2021 9:05	0	0	0	0
9	7/22/2021 9:06	0	0	0	0
10	7/22/2021 9:07	0	0	0	0
11	7/22/2021 9:08	0	0	0	0
12	7/22/2021 9:09	0	0	0	0
13	7/22/2021 9:10	0	0	0	0
14	7/22/2021 9:11	0	0	0	0
15	7/22/2021 9:12	0	0	0	0
16	7/22/2021 9:13	0	0	0	0
17	7/22/2021 9:14	0	0	0	0
18	7/22/2021 9:15	0	0	0	0
19	7/22/2021 9:16	0	0	0	0
20	7/22/2021 9:17	0	0	0	0
21	7/22/2021 9:18	0	0	0	0
22	7/22/2021 9:19	0	0	0	0
23	7/22/2021 9:20	0	0	0	0
24	7/22/2021 9:21	0	0	0	0
25	7/22/2021 9:22	0	0	0	0
26	7/22/2021 9:23	0	0	0	0
27	7/22/2021 9:24	0	0	0	0
28	7/22/2021 9:25	0	0	0	0
29	7/22/2021 9:26	0	0	0	0
30	7/22/2021 9:27	0	0	0	0
31	7/22/2021 9:28	0	0	0	0
32	7/22/2021 9:29	0	0	0	0
33	7/22/2021 9:30	0	0	0	0
34	7/22/2021 9:31	0	0	0	0
35	7/22/2021 9:32	0	0	0	0
36	7/22/2021 9:33	0	0	0	0
37	7/22/2021 9:34	0	0	0	0
38	7/22/2021 9:35	0	0	0	0
39	7/22/2021 9:36	0	0	0	0
40	7/22/2021 9:37	0	0	0	0
41	7/22/2021 9:38	0	0	0	0
42	7/22/2021 9:39	0	0	0	0
43	7/22/2021 9:40	0	0	0	0
44	7/22/2021 9:41	0	0	0	0
45	7/22/2021 9:42	0	0	0	0
46	7/22/2021 9:43	0	0	0	0
47	7/22/2021 9:44	0	0	0	0
48	7/22/2021 9:45	0	0	0	0
49	7/22/2021 9:46	0	0	0	0
50	7/22/2021 9:47	0	0	0	0
51	7/22/2021 9:48	0	0	0	0
52	7/22/2021 9:49	0	0	0	0

53	7/22/2021 9:50	0	0	0	0
54	7/22/2021 9:51	0	0	0	0
55	7/22/2021 9:52	0	0	0	0
56	7/22/2021 9:53	0	0	0	0
57	7/22/2021 9:54	0	0	0	0
58	7/22/2021 9:55	0	0	0	0
59	7/22/2021 9:56	0	0	0	0
60	7/22/2021 9:57	0	0	0	0
61	7/22/2021 9:58	0	0	0	0
62	7/22/2021 9:59	0	0	0	0
63	7/22/2021 10:00	0	0	0	0
64	7/22/2021 10:01	0	0	0	0
65	7/22/2021 10:02	0	0	0	0
66	7/22/2021 10:03	0	0	0	0
67	7/22/2021 10:04	0	0	0	0
68	7/22/2021 10:05	0	0	0	0
69	7/22/2021 10:06	0	0	0	0
70	7/22/2021 10:07	0	0	0	0
71	7/22/2021 10:08	0	0	0	0
72	7/22/2021 10:09	0	0	0	0
73	7/22/2021 10:10	0	0	0	0
74	7/22/2021 10:11	0	0	0	0
75	7/22/2021 10:12	0	0	0	0
76	7/22/2021 10:13	0	0	0	0
77	7/22/2021 10:14	0	0	0	0
78	7/22/2021 10:15	0	0	0	0
79	7/22/2021 10:16	0	0	0	0
80	7/22/2021 10:17	0	0	0	0
81	7/22/2021 10:18	0	0	0	0
82	7/22/2021 10:19	0	0	0	0
83	7/22/2021 10:20	0	0	0	0
84	7/22/2021 10:21	0	0	0	0
85	7/22/2021 10:22	0	0	0	0
86	7/22/2021 10:23	0	0	0	0
87	7/22/2021 10:24	0	0	0	0
88	7/22/2021 10:25	0	0	0	0
89	7/22/2021 10:26	0	0	0	0
90	7/22/2021 10:27	0	0	0	0
91	7/22/2021 10:28	0	0	0	0
92	7/22/2021 10:29	0	0	0	0
93	7/22/2021 10:30	0	0	0	0
94	7/22/2021 10:31	0	0	0	0
95	7/22/2021 10:32	0	0	0	0
96	7/22/2021 10:33	0	0	0	0
97	7/22/2021 10:34	0	0	0	0
98	7/22/2021 10:35	0	0	0	0
99	7/22/2021 10:36	0	0	0	0

100	7/22/2021 10:37	0	0	0	0
101	7/22/2021 10:38	0	0	0	0
102	7/22/2021 10:39	0	0	0	0
103	7/22/2021 10:40	0	0	0	0
104	7/22/2021 10:41	0	0	0	0
105	7/22/2021 10:42	0	0	0	0
106	7/22/2021 10:43	0	0	0	0
107	7/22/2021 10:44	0	0	0	0
108	7/22/2021 10:45	0	0	0	0
109	7/22/2021 10:46	0	0	0	0
110	7/22/2021 10:47	0	0	0	0
111	7/22/2021 10:48	0	0	0	0
112	7/22/2021 10:49	0	0	0	0
113	7/22/2021 10:50	0	0	0	0
114	7/22/2021 10:51	0	0	0	0
115	7/22/2021 10:52	0	0	0	0
116	7/22/2021 10:53	0	0	0	0
117	7/22/2021 10:54	0	0	0	0
118	7/22/2021 10:55	0	0	0	0
119	7/22/2021 10:56	0	0	0	0
120	7/22/2021 10:57	0	0	0	0
121	7/22/2021 10:58	0	0	0	0
122	7/22/2021 10:59	0	0	0	0
123	7/22/2021 11:00	0	0	0	0
124	7/22/2021 11:01	0	0	0	0
125	7/22/2021 11:02	0	0	0	0
126	7/22/2021 11:03	0	0	0	0
127	7/22/2021 11:04	0	0	0	0
128	7/22/2021 11:05	0	0	0	0
129	7/22/2021 11:06	0	0	0	0
130	7/22/2021 11:07	0	0	0	0
131	7/22/2021 11:08	0	0	0	0
132	7/22/2021 11:09	0	0	0	0
133	7/22/2021 11:10	0	0	0	0
134	7/22/2021 11:11	0	0	0	0
135	7/22/2021 11:12	0	0	0	0
136	7/22/2021 11:13	0	0	0	0
137	7/22/2021 11:14	0	0	0	0
138	7/22/2021 11:15	0	0	0	0
139	7/22/2021 11:16	0	0	0	0
140	7/22/2021 11:17	0	0	0	0
141	7/22/2021 11:18	0	0	0	0
142	7/22/2021 11:19	0	0	0	0
143	7/22/2021 11:20	0	0	0	0
144	7/22/2021 11:21	0	0	0	0
145	7/22/2021 11:22	0	0	0	0
146	7/22/2021 11:23	0	0	0	0

147	7/22/2021 11:24	0	0	0	0
148	7/22/2021 11:25	0	0	0	0
149	7/22/2021 11:26	0	0	0	0
150	7/22/2021 11:27	0	0	0	0
151	7/22/2021 11:28	0	0	0	0
152	7/22/2021 11:29	0	0	0	0
153	7/22/2021 11:30	0	0	0	0
154	7/22/2021 11:31	0	0	0	0
155	7/22/2021 11:32	0	0	0	0
156	7/22/2021 11:33	0	0	0	0
157	7/22/2021 11:34	0	0	0	0
158	7/22/2021 11:35	0	0	0	0
159	7/22/2021 11:36	0	0	0	0
160	7/22/2021 11:37	0	0	0	0
161	7/22/2021 11:38	0	0	0	0
162	7/22/2021 11:39	0	0	0	0
163	7/22/2021 11:40	0	0	0	0
164	7/22/2021 11:41	0	0	0	0
165	7/22/2021 11:42	0	0	0	0
166	7/22/2021 11:43	0	0	0	0
167	7/22/2021 11:44	0	0	0	0
168	7/22/2021 11:45	0	0	0	0
169	7/22/2021 11:46	0	0	0	0
170	7/22/2021 11:47	0	0	0	0
171	7/22/2021 11:48	0	0	0	0
172	7/22/2021 11:49	0	0	0	0
173	7/22/2021 11:50	0	0	0	0
174	7/22/2021 11:51	0	0	0	0
175	7/22/2021 11:52	0	0	0	0
176	7/22/2021 11:53	0	0	0	0
177	7/22/2021 11:54	0	0	0	0
178	7/22/2021 11:55	0	0	0	0
179	7/22/2021 11:56	0	0	0	0
180	7/22/2021 11:57	0	0	0	0
181	7/22/2021 11:58	0	0	0	0
182	7/22/2021 11:59	0	0	0	0
183	7/22/2021 12:00	0	0	0	0
184	7/22/2021 12:01	0	0	0	0
185	7/22/2021 12:02	0	0	0	0
186	7/22/2021 12:03	0	0	0	0
187	7/22/2021 12:04	0	0	0	0
188	7/22/2021 12:05	0	0	0	0
189	7/22/2021 12:06	0	0	0	0
190	7/22/2021 12:07	0	0	0	0
191	7/22/2021 12:08	0	0	0	0
192	7/22/2021 12:09	0	0	0	0
193	7/22/2021 12:10	0	0	0	0

194	7/22/2021 12:11	0	0	0	0
195	7/22/2021 12:12	0	0	0	0
196	7/22/2021 12:13	0	0	0	0
197	7/22/2021 12:14	0	0	0	0
198	7/22/2021 12:15	0	0	0	0
199	7/22/2021 12:16	0	0	0	0
200	7/22/2021 12:17	0	0	0	0
201	7/22/2021 12:18	0	0	0	0
202	7/22/2021 12:19	0	0	0	0
203	7/22/2021 12:20	0	0	0	0
204	7/22/2021 12:21	0	0	0	0
205	7/22/2021 12:22	0	0	0	0
206	7/22/2021 12:23	0	0	0	0
207	7/22/2021 12:24	0	0	0	0
208	7/22/2021 12:25	0	0	0	0
209	7/22/2021 12:26	0	0.1	0.2	0.1
210	7/22/2021 12:27	0	0	0.1	0
211	7/22/2021 12:28	0	0	0	0
212	7/22/2021 12:29	0	0	0	0
213	7/22/2021 12:30	0	0	0	0
214	7/22/2021 12:31	0	0	0	0
215	7/22/2021 12:32	0	0	0	0
216	7/22/2021 12:33	0	0	0	0
217	7/22/2021 12:34	0	0	0	0
218	7/22/2021 12:35	0	0	0	0
219	7/22/2021 12:36	0	0	0	0
220	7/22/2021 12:37	0	0	0	0
221	7/22/2021 12:38	0	0	0	0
222	7/22/2021 12:39	0	0	0	0
223	7/22/2021 12:40	0	0	0	0
224	7/22/2021 12:41	0	0	0	0
225	7/22/2021 12:42	0	0	0	0
226	7/22/2021 12:43	0	0	0	0
227	7/22/2021 12:44	0	0	0	0
228	7/22/2021 12:45	0	0	0	0
229	7/22/2021 12:46	0	0	0	0
230	7/22/2021 12:47	0	0	0	0
231	7/22/2021 12:48	0	0	0	0
232	7/22/2021 12:49	0	0	0	0
233	7/22/2021 12:50	0	0	0	0
234	7/22/2021 12:51	0	0	0	0
235	7/22/2021 12:52	0	0	0	0
236	7/22/2021 12:53	0	0	0	0
237	7/22/2021 12:54	0	0	0	0
238	7/22/2021 12:55	0	0	0	0
239	7/22/2021 12:56	0	0	0	0
240	7/22/2021 12:57	0	0	0	0

241	7/22/2021 12:58	0	0	0	0
242	7/22/2021 12:59	0	0	0	0
243	7/22/2021 13:00	0	0	0	0
244	7/22/2021 13:01	0	0	0	0
245	7/22/2021 13:02	0	0	0	0
246	7/22/2021 13:03	0	0	0	0
247	7/22/2021 13:04	0	0	0	0
248	7/22/2021 13:05	0	0	0	0
249	7/22/2021 13:06	0	0	0	0
250	7/22/2021 13:07	0	0	0	0
251	7/22/2021 13:08	0	0	0	0
252	7/22/2021 13:09	0	0	0	0
253	7/22/2021 13:10	0	0	0	0
254	7/22/2021 13:11	0	0	0	0
255	7/22/2021 13:12	0	0	0	0
256	7/22/2021 13:13	0	0	0	0
257	7/22/2021 13:14	0	0	0	0
258	7/22/2021 13:15	0	0	0	0
259	7/22/2021 13:16	0	0	0	0
260	7/22/2021 13:17	0	0	0.1	0.1
261	7/22/2021 13:18	0	0	0	0
262	7/22/2021 13:19	0	0	0	0
263	7/22/2021 13:20	0	0	0	0
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268	7/22/2021 13:25	0	0	0	0
269	7/22/2021 13:26	0	0	0	0
270	7/22/2021 13:27	0	0	0	0
271	7/22/2021 13:28	0	0	0	0
272	7/22/2021 13:29	0	0	0	0
273	7/22/2021 13:30	0	0	0	0
274	7/22/2021 13:31	0	0	0	0
275	7/22/2021 13:32	0	0	0	0
276	7/22/2021 13:33	0	0	0	0
277	7/22/2021 13:34	0	0	0	0
278	7/22/2021 13:35	0	0	0	0
279	7/22/2021 13:36	0	0	0	0
280	7/22/2021 13:37	0	0	0	0
281	7/22/2021 13:38	0	0	0	0
282	7/22/2021 13:39	0	0	0	0
283	7/22/2021 13:40	0	0	0.1	0
284	7/22/2021 13:41	0	0	0	0
285	7/22/2021 13:42	0	0	0	0
286	7/22/2021 13:43	0	0	0	0
287	7/22/2021 13:44	0	0	0	0

288	7/22/2021 13:45	0	0	0	0
289	7/22/2021 13:46	0	0	0	0
290	7/22/2021 13:47	0	0	0	0
291	7/22/2021 13:48	0	0	0	0
292	7/22/2021 13:49	0	0	0	0
293	7/22/2021 13:50	0	0	0	0
294	7/22/2021 13:51	0	0	0	0
295	7/22/2021 13:52	0	0	0	0
296	7/22/2021 13:53	0	0	0	0
297	7/22/2021 13:54	0	0	0	0
298	7/22/2021 13:55	0	0	0	0
299	7/22/2021 13:56	0	0	0	0
300	7/22/2021 13:57	0	0	0	0
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307	7/22/2021 14:04	0	0	0	0
308	7/22/2021 14:05	0	0	0	0
309	7/22/2021 14:06	0	0	0	0
310	7/22/2021 14:07	0	0	0	0
311	7/22/2021 14:08	0	0	0	0
312	7/22/2021 14:09	0	0	0	0
313	7/22/2021 14:10	0	0	0	0
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316	7/22/2021 14:13	0	0	0	0
317	7/22/2021 14:14	0	0	0	0
318	7/22/2021 14:15	0	0	0	0
319	7/22/2021 14:16	0	0	0	0
320	7/22/2021 14:17	0	0	0	0
321	7/22/2021 14:18	0	0	0	0
322	7/22/2021 14:19	0	0	0	0
323	7/22/2021 14:20	0	0	0	0
324	7/22/2021 14:21	0	0	0	0
325	7/22/2021 14:22	0	0	0	0
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331	7/22/2021 14:28	0	0	0	0
332	7/22/2021 14:29	0	0	0	0
333	7/22/2021 14:30	0	0	0	0
334	7/22/2021 14:31	0	0	0	0

335	7/22/2021 14:32	0	0	0	0
336	7/22/2021 14:33	0	0	0	0
337	7/22/2021 14:34	0	0	0	0
338	7/22/2021 14:35	0	0	0	0
339	7/22/2021 14:36	0	0	0	0
340	7/22/2021 14:37	0	0	0	0
341	7/22/2021 14:38	0	0	0	0
342	7/22/2021 14:39	0	0	0	0
343	7/22/2021 14:40	0	0	0	0
344	7/22/2021 14:41	0	0	0	0
345	7/22/2021 14:42	0	0	0	0
346	7/22/2021 14:43	0	0	0	0
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353	7/22/2021 14:50	0	0	0	0
354	7/22/2021 14:51	0	0	0	0
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359	7/22/2021 14:56	0	0	0	0
360	7/22/2021 14:57	0	0	0	0
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362	7/22/2021 14:59	0	0	0	0
363	7/22/2021 15:00	0	0	0	0
364	7/22/2021 15:01	0	0	0	0
365	7/22/2021 15:02	0	0	0	0
366	7/22/2021 15:03	0	0	0	0
367	7/22/2021 15:04	0	0	0	0
368	7/22/2021 15:05	0	0	0	0
369	7/22/2021 15:06	0	0	0	0
370	7/22/2021 15:07	0	0	0	0
371	7/22/2021 15:08	0	0	0	0
372	7/22/2021 15:09	0	0	0	0
373	7/22/2021 15:10	0	0	0	0
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377	7/22/2021 15:14	0	0	0	0
378	7/22/2021 15:15	0	0	0	0
379	7/22/2021 15:16	0	0	0	0
380	7/22/2021 15:17	0	0	0	0
381	7/22/2021 15:18	0	0	0	0

382	7/22/2021 15:19	0	0	0	0
383	7/22/2021 15:20	0	0	0	0
384	7/22/2021 15:21	0	0	0	0
385	7/22/2021 15:22	0	0	0	0
386	7/22/2021 15:23	0	0	0	0
387	7/22/2021 15:24	0	0	0	0
388	7/22/2021 15:25	0	0	0.1	0
389	7/22/2021 15:26	0	0	0	0
390	7/22/2021 15:27	0	0	0	0
391	7/22/2021 15:28	0	0	0	0
392	7/22/2021 15:29	0	0	0	0
393	7/22/2021 15:30	0	0	0	0
394	7/22/2021 15:31	0	0	0	0
395	7/22/2021 15:32	0	0	0	0
396	7/22/2021 15:33	0	0	0	0
397	7/22/2021 15:34	0	0	0	0
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399	7/22/2021 15:36	0	0	0	0
400	7/22/2021 15:37	0	0	0	0
401	7/22/2021 15:38	0	0	0	0
402	7/22/2021 15:39	0	0	0.1	0
403	7/22/2021 15:40	0	0	0	0
404	7/22/2021 15:41	0	0	0.1	0
405	7/22/2021 15:42	0	0	0	0
406	7/22/2021 15:43	0	0	0	0
407	7/22/2021 15:44	0	0	0	0
408	7/22/2021 15:45	0	0	0	0
409	7/22/2021 15:46	0	0	0	0
410	7/22/2021 15:47	0	0	0	0
411	7/22/2021 15:48	0	0	0	0
412	7/22/2021 15:49	0	0	0	0
413	7/22/2021 15:50	0	0	0	0
414	7/22/2021 15:51	0	0	0	0
415	7/22/2021 15:52	0	0	0	0
416	7/22/2021 15:53	0	0	0.1	0
417	7/22/2021 15:54	0	0	0	0
418	7/22/2021 15:55	0	0	0	0
419	7/22/2021 15:56	0	0	0	0
420	7/22/2021 15:57	0	0	0	0
421	7/22/2021 15:58	0	0	0	0
422	7/22/2021 15:59	0	0	0.1	0
423	7/22/2021 16:00	0	0	0	0
424	7/22/2021 16:01	0	0	0.1	0
425	7/22/2021 16:02	0	0	0.1	0.1
426	7/22/2021 16:03	0	0	0.1	0
427	7/22/2021 16:04	0	0	0.1	0.1
428	7/22/2021 16:05	0	0.1	0.1	0.1

	429	7/22/2021 16:06	0	0.1	0.1	0.1
	430	7/22/2021 16:07	0	0	0.1	0
	431	7/22/2021 16:08	0	0	0	0
	432	7/22/2021 16:09	0	0	0	0
	433	7/22/2021 16:10	0	0	0	0
	434	7/22/2021 16:11	0	0	0.1	0
	435	7/22/2021 16:12	0	0	0	0
	436	7/22/2021 16:13	0	0	0	0
	437	7/22/2021 16:14	0	0	0	0
	438	7/22/2021 16:15	0	0	0	0
	439	7/22/2021 16:16	0	0	0	0
	440	7/22/2021 16:17	0	0	0	0
	441	7/22/2021 16:18	0	0	0.1	0
	442	7/22/2021 16:19	0	0	0	0
Peak			0	0.1	0.3	0.1
Min			0	0	0	0
Average			0	0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	7/22/2021 8:58	0	---
2	7/22/2021 8:59	0	---
3	7/22/2021 9:00	0	---
4	7/22/2021 9:01	0	---
5	7/22/2021 9:02	0	---
6	7/22/2021 9:03	0	---
7	7/22/2021 9:04	0	---
8	7/22/2021 9:05	0	---
9	7/22/2021 9:06	0	---
10	7/22/2021 9:07	0	---
11	7/22/2021 9:08	0	---
12	7/22/2021 9:09	0	---
13	7/22/2021 9:10	0	---
14	7/22/2021 9:11	0	---
15	7/22/2021 9:12	0	0
16	7/22/2021 9:13	0	0
17	7/22/2021 9:14	0	0
18	7/22/2021 9:15	0	0
19	7/22/2021 9:16	0	0
20	7/22/2021 9:17	0	0
21	7/22/2021 9:18	0	0
22	7/22/2021 9:19	0	0
23	7/22/2021 9:20	0	0
24	7/22/2021 9:21	0	0
25	7/22/2021 9:22	0	0

26	7/22/2021 9:23	0	0
27	7/22/2021 9:24	0	0
28	7/22/2021 9:25	0	0
29	7/22/2021 9:26	0	0
30	7/22/2021 9:27	0	0
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32	7/22/2021 9:29	0	0
33	7/22/2021 9:30	0	0
34	7/22/2021 9:31	0	0
35	7/22/2021 9:32	0	0
36	7/22/2021 9:33	0	0
37	7/22/2021 9:34	0	0
38	7/22/2021 9:35	0	0
39	7/22/2021 9:36	0	0
40	7/22/2021 9:37	0	0
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46	7/22/2021 9:43	0	0
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56	7/22/2021 9:53	0	0
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62	7/22/2021 9:59	0	0
63	7/22/2021 10:00	0	0
64	7/22/2021 10:01	0	0
65	7/22/2021 10:02	0	0
66	7/22/2021 10:03	0	0
67	7/22/2021 10:04	0	0
68	7/22/2021 10:05	0	0
69	7/22/2021 10:06	0	0
70	7/22/2021 10:07	0	0
71	7/22/2021 10:08	0	0
72	7/22/2021 10:09	0	0

73	7/22/2021 10:10	0	0
74	7/22/2021 10:11	0	0
75	7/22/2021 10:12	0	0
76	7/22/2021 10:13	0	0
77	7/22/2021 10:14	0	0
78	7/22/2021 10:15	0	0
79	7/22/2021 10:16	0	0
80	7/22/2021 10:17	0	0
81	7/22/2021 10:18	0	0
82	7/22/2021 10:19	0	0
83	7/22/2021 10:20	0	0
84	7/22/2021 10:21	0	0
85	7/22/2021 10:22	0	0
86	7/22/2021 10:23	0	0
87	7/22/2021 10:24	0	0
88	7/22/2021 10:25	0	0
89	7/22/2021 10:26	0	0
90	7/22/2021 10:27	0	0
91	7/22/2021 10:28	0	0
92	7/22/2021 10:29	0	0
93	7/22/2021 10:30	0	0
94	7/22/2021 10:31	0	0
95	7/22/2021 10:32	0	0
96	7/22/2021 10:33	0	0
97	7/22/2021 10:34	0	0
98	7/22/2021 10:35	0	0
99	7/22/2021 10:36	0	0
100	7/22/2021 10:37	0	0
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115	7/22/2021 10:52	0	0
116	7/22/2021 10:53	0	0
117	7/22/2021 10:54	0	0
118	7/22/2021 10:55	0	0
119	7/22/2021 10:56	0	0

120	7/22/2021 10:57	0	0
121	7/22/2021 10:58	0	0
122	7/22/2021 10:59	0	0
123	7/22/2021 11:00	0	0
124	7/22/2021 11:01	0	0
125	7/22/2021 11:02	0	0
126	7/22/2021 11:03	0	0
127	7/22/2021 11:04	0	0
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135	7/22/2021 11:12	0	0
136	7/22/2021 11:13	0	0
137	7/22/2021 11:14	0	0
138	7/22/2021 11:15	0	0
139	7/22/2021 11:16	0	0
140	7/22/2021 11:17	0	0
141	7/22/2021 11:18	0	0
142	7/22/2021 11:19	0	0
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162	7/22/2021 11:39	0	0
163	7/22/2021 11:40	0	0
164	7/22/2021 11:41	0	0
165	7/22/2021 11:42	0	0
166	7/22/2021 11:43	0	0

167	7/22/2021 11:44	0	0
168	7/22/2021 11:45	0	0
169	7/22/2021 11:46	0	0
170	7/22/2021 11:47	0	0
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APPENDIX M
DATA USABILITY SUMMARY REPORTS (DUSRs)

Data Validation Services

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

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

May 30, 2013

Scott Tucker
O'Brien & Gere Engineers
333 West Washington St
Syracuse, NY 13221

RE: Validation of the NYSDEC Whitesboro Analytical Data
Data Usability Summary Report (DUSR)
Chemtech SDG Nos. E1464, E1522, and E1523

Dear Mr. Tucker:

Review has been completed for the data packages noted above, generated by Chemtech Laboratories, that pertain to air samples collected between 03/06/13 and 03/14/13 at the NYSDEC Whitesboro site. Fifteen 6L canister samples and two field duplicates were analyzed for volatile analytes by United States Environmental Protection Agency (USEPA) method TO-15. Two trip blanks were also processed.

Validation was performed with guidance from the most current edition of the USEPA Region II Standard Operating Procedure (SOP) HW-31 and the specific methodology. The following items were reviewed:

* Data Completeness
* Custody Documentation
* Canister Pressures
* Holding Times
* Field Duplicate Correlations
* Surrogate and Internal Standard Responses
* Instrumental Tunes
* Preparation/Trip Blanks
* Laboratory Control Samples (LCSs)
* Calibration Standards
* Method Compliance
* Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data packages.

In summary, due to non-compliant processing and the lack of responsiveness of the laboratory to perform software correction to the issue, all non-detected results, and most detected values, have been qualified as estimated in value. There is evidence of a non-homogeneous subslab matrix.

Copies of the client sample identifications are attached to this text, and should be reviewed in conjunction with this report. Also included with the submission are the qualified client Equis EDD deliverables.

Sample Receipt

A discrepancy between the sample label identification and the custody identification was noted and resolved at laboratory receipt.

Field Duplicate

Blind field duplicate evaluations were performed on 345W-IA-031413 and 334W-SS-031413. That for the indoor air shows only one outlier, styrene (>±CRDL). That for the subslab sample shows numerous outliers (>50%RPD or >±CRDL)—dichlorodifluoromethane, trichlorofluoromethane, t-butyl alcohol, heptane, acetone, 2-butanone, chloroform, 2,2,4-trimethylpentane, benzene, ethylbenzene, m,p-xylene, and o-xylene. Results for those outliers have been qualified as estimate in value.

Volatile Analyses by TO-15

The laboratory utilized reporting limits that are generally one fifth the concentration of the lowest calibration standard incorporated into the initial calibration. Lower concentration standards were processed the same time as the calibration standards used in the initial calibration, but they were not incorporated into the evaluation that is used both to determine system linearity and to determine the acceptability of the continuing calibration responses. Those lower concentration standards served the purpose of showing the ability to detect those concentrations that day, but the use of those low level standard concentration reporting limits is not allowed by the protocol unless they are incorporated into the initial calibration. The laboratory was notified of this noncompliance and asked to update their software and regenerate the data package in order to be in compliance, and to provide data that do not require qualification. They declined. Because the low level calibration standards were processed only a few days before the project sample analyses, the limits for the sample data have not been edited upward to the lowest concentration of the initial calibration (which would have provided some data points that did not meet DQOs), but those low limits have all been qualified as estimated in value. The laboratory also failed to qualify detected concentrations that are below those of the lowest initial calibration standard as estimated; this was performed during validation. Most of those low level detections would not have required qualification if the proper software update had been performed.

The following detected results have been qualified as tentative in identification and estimated in value due to poor mass spectral quality:

- dichlorodifluoromethane in 344W-SS-030613, 344W-AA-030613, 347W-SS-031113, 340W-SS-031113, 351W-SS-031413, 345W-SS-031413, 340W-IA-031113, 347W-AA-031113, 345W-AA-031413
- 1,2-dichloroethane in 334W-IA-030613
- chloromethane in 334W-SS-030613, 344W-AA-030613
- hexane in 347W-SS-031113
- chloromethane in 340W-IA-031113 and 345W-AA-031413
- vinyl chloride in 345W-IADUP-031413

The following detected results have been edited to non-detection due to very poor mass spectral quality:

- t-butyl alcohol in 334W-SSDUP-030613and 334W-IA-030613
- cyclohexane in 340W-SS-031113
- chloromethane in 345W-SS-031413
- methylene chloride and 1,2-dichloroethane in 347W-IA-031113

The trip blanks associated with samples collected 03/11/13 and 03/14/13 show low level contamination of acetone, methylene chloride, and 2-butanone. The following sample detections are considered external contamination, and edited to reflect non-detection:

- acetone in 340W-SS-031113, 351W-SS-031413, 347W-AA-031113, and 345W-AA-031413
- methylene chloride in all samples
- 2-butanone in 347W-SS-031113, 340W-SS-031113, 340W-IA-031113, 347W-AA-031113, and 345W-AA-031413

351W-SS-031413, 345W-IA-031413, 345W-IADUP-031413, 351W-IA-031413, 345W-AA-031413, and 345W-SS-031413 produced low responses for internal standard d5-chlorobenzene. The results for the fifteen analytes are therefore qualified as estimated in those samples.

Results for analytes initially reported with the laboratory "E" flag have been derived from dilution analyses of those samples, thus reflecting responses within the established linear range of the instrument.

Holding times and instrument tunes were acceptable. The Laboratory Control Sample recoveries are within laboratory and validation guidelines.

Surrogate standard responses are within laboratory limits.

Analysis volumes should be noted on the laboratory run logs.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Att: Validation Qualifier Definitions
Client and Laboratory Sample Identifications
Laboratory Case Narratives

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

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

Cover Page

Order ID : E1522

Project ID : Whitesboro Dry Cleaners NYSDEC AIR

Client : OBrien and Gere Engineers, Inc.

Lab Sample Number	Client Sample Number
E1522-01	347W-SS-031113
E1522-02	000X-TB1-031313
E1522-03	000X-TB2-031313
E1522-04	340W-SS-031113
E1522-05	351W-SS-031413
E1522-06	345W-SS-031413

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

Signature : Kalpana Raythattha Digitally signed by Kalpana Raythattha DN: cn=Kalpana Raythattha, o=CHEMTECH, ou=QC, email=kalpana@chemtech.net, c=US Date: 2013.03.29 11:16:21 -05'00'

Date: 3/28/2013

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

Cover Page

Order ID : E1523

Project ID : Whitesboro Dry Cleaners NYSDEC AIR

Client : OBrien and Gere Engineers, Inc.

Lab Sample Number	Client Sample Number
E1523-01	340W-IA-031113
E1523-02	347W-AA-031113
E1523-03	347W-IA-031113
E1523-04	345W-IADUP-031413
E1523-05	345W-IA-031413
E1523-06	351W-IA-031413
E1523-07	345W-AA-031413

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

Signature : Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2013.03.28 14:21:24 -05'00'

Date: 3/22/2013

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

Cover Page

Order ID : E1464

Project ID : Whitesboro Dry Cleaners NYSDEC AIR

Client : OBrien and Gere Engineers, Inc.

Lab Sample Number	Client Sample Number
E1464-01	334W-SSDUP-030613
E1464-02	334W-SS-030613
E1464-03	334W-IA-030613
E1464-04	344W-SS-030613
E1464-05	344W-AA-030613
E1464-06	344W-IA-030613

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

Signature : Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2013.03.20 12:09:39 -05'00'

Date: 3/14/2013

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

RESUBMISSION COMMUNICATIONS

Judy Harry

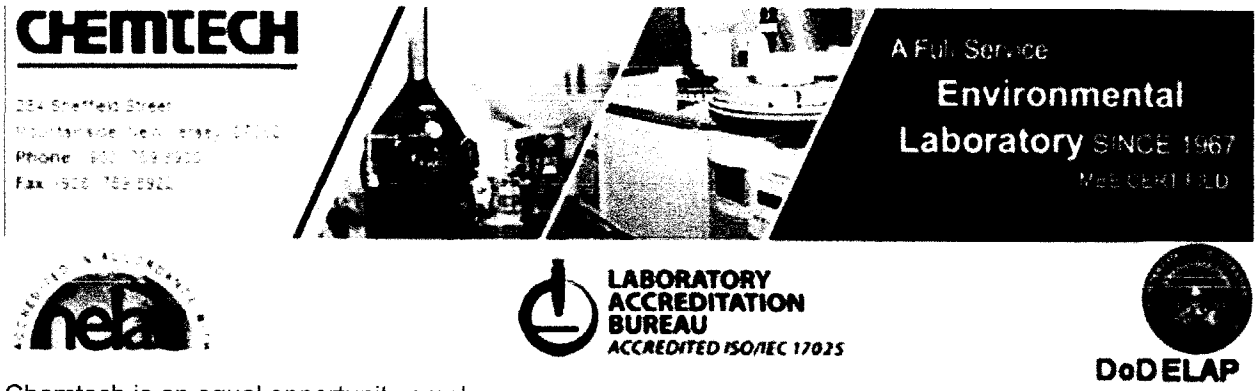
From: Himanshu Prajapati [Himanshu@chemtech.net]
Sent: Monday, May 20, 2013 4:12 PM
To: 'Judy Harry'
Subject: RE: SDG E1522

Hello,

As per our current practice we don't incorporate low level standards in our calibration method.
If you have any further question please call Divya Mehta our Technical Director at (908)728-3150.

Regards,

Himanshu Prajapati
QA/QC Director
Direct Line: (908)728-3152
General Number: (908)789-8900
Fax: (908)789-8922



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From: Himanshu Prajapati [mailto:Himanshu@chemtech.net]
Sent: Thursday, May 16, 2013 6:48 PM
To: 'Judy Harry'
Subject: RE: SDG E1522

Hello,

Please see attached corrected Forms as well as EDD for E1522, E1523 & E1464.

Please let me know if you need anything else.

Regards,

Himanshu Prajapati
QA/QC Director
Direct Line: (908)728-3152
General Number: (908)789-8900
Fax: (908)789-8922



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From: Judy Harry [mailto:harry@frontiernet.net]
Sent: Thursday, May 16, 2013 1:21 PM
To: 'Himanshu Prajapati'
Subject: RE: SDG E1522
Importance: High

Hi Himanshu,

These forms are much better representative of the data/

The other two SDGs for this project are E1464 and E1523.

Can you please find and send me the reference where NYSDEC says that you only have to analyze these low level standards (i.e. 0.1 and 0.03ppbv), rather than analyzing them and then incorporating them into the initial calibration curves (%RSD evaluation). Our interpretation is that they want them as part of the curves. With the generous 30%RSD acceptance limit, I would think that the curve data would still be good, and then we have compliant data with no need to "J" those low level values (since they would be inside the new curve);

Thanks,
Judy Harry
Data Validation Services

From: Himanshu Prajapati [mailto:Himanshu@chemtech.net]

Data Validation Services

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

Phone 518-251-4429
harry@frontiernet.net

April 9, 2014

Scott Tucker
O'Brien & Gere Engineers
333 West Washington St
Syracuse, NY 13221

RE: Validation of the NYSDEC Whitesboro Analytical Data
Data Usability Summary Report (DUSR)
Chemtech SDG Nos.E1777, E1941, E1970, E2174, E2238, E3727, E4591, E4879, F1587, and F1641

Dear Mr. Tucker:

Review has been completed for the data packages noted above, generated by Chemtech Laboratory, that pertain to the samples collected between 04/05/13 and 03/04/13 at the NYSDEC Whitesboro site. Ten soil samples, seven aqueous samples, one soil field duplicate, and two field duplicates were analyzed for TCL volatiles, TCL semivolatiles, TCL PCBs, TCL pesticides, TAL metals, and total cyanide. All of those soils and all except three of those aqueous samples were also processed for TAL herbicides. Three soil samples and a field duplicate were processed for TCL volatiles and TCL semivolatiles. Twelve soil samples and twenty eight aqueous samples were processed for TCL volatiles. Four 6 L summa canisters and a field duplicate were processed for volatiles. Tentatively Identified Compounds (TICs) were also reported. The analytical methodologies are those of the USEPA SW846 and TO-15.

Full data validation was performed in accordance with the May 2011 Parsons Generic Quality Assurance Project Plan (QAPP), with use of the USEPA Region II Data Validation SOPs HW-2, HW-22, HW-23, HW-24, HW-31, and HW-45 with consideration for the specific requirements of the analytical methodologies.
The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method Blank
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Samples (LCS)
* Instrument Performance
* Initial and Continuing Calibration Standards
* ICP Serial Dilution Evaluation

* Method Compliance
* Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data packages.

In summary, sample results are usable either as reported, or with minor qualification, with the exception that results for one volatile analyte are not usable due to inherent processing limitations.

The QAPP requirements for precision, accuracy, completeness, representativeness, sensitivity and comparability were met, with the following exceptions:

- antimony reporting limits for soil samples do not meet the QAPP requirements, which are the NYS Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (Class GA) standards.
- no project matrix spikes were processed for volatile and semivolatile analyses conducted on two aqueous and two soil samples collected in November and December 2013. The accuracy and precision data for the earlier project samples show no significant matrix effect, and therefore the omissions are not considered significant.
- one of the soil ICP serial dilution evaluations shows several outlying correlations, but they do not show large variances

Several non-compliant processing issues were observed, including inappropriate LCS/MS/MSD recovery ranges, and lack of proper flagging. Some results were reported to too many significant figures.

Copies of the client sample identifications and the designated analyses that have been validated are attached to this text, and should be reviewed in conjunction with this report. Also included with the submission are the qualified client Equis EDD deliverables.

Chain-of-Custody/Sample Receipt

Some of the samples were received by the laboratory up to nine days after sample collection, beyond the two day allowable timeframe. Temperatures at receipt were within recommended ranges, and holding times were met. A memorandum should be made to the file discussing the condition and custody of the samples during the interim timeframe.

The relinquish entries were not present on a custody for samples reported in SDG E2238.

Three of the samples reported in SDG E2238 were submitted for RCRA metals, but reported for TAL metals.

Blind Field Duplicate Evaluations

Field duplicate evaluations were performed on SS-1-040513, SS-4-042213, MW-20-050913, MW-21-091813, and 341-W-IA-030314. Correlations fall within the acceptance guidelines, with the following exceptions, results for which are qualified as estimated in the indicated parent sample and its duplicate:

- tetrachloroethene (>±CRDL) and cadmium (58%RPD) in SS-1-040513
- barium, calcium, magnesium, manganese, potassium, and sodium (44%RPD to 56%RPD) in MW-21-091813
- toluene (92%RPD), and ethylbenzene, m,p-xylene, and o-xylene (>±CRDL) in 341-W-IA-030314

Volatile Analyses by EPA 8260C

The following samples exhibited low recoveries for at least one internal standard on repeated analysis. The best analyses are used, and results for the associated compounds have been qualified as estimated in value: SB-9-2-3.2-040513, SB-9-13.5-14-040513, SB-9-6-8-040513, SS-1-040513, and MW-24-10.8-11.8-112113

Due to poor mass spectral quality, the detected result of benzene in MW-9-051313 is qualified as tentative in identification and estimated in value.

Matrix spikes were evaluated on SB-9-13.5-14-040513, SS-2-0.5-1-040513, SS-1-040513, SS-4-042213, MW-23-050913, and MW-16S-091713. Recoveries and correlations are within validation action guidelines, with the following exceptions, results for which are qualified as estimated in the indicated parent sample:

- 1,2,4-trichlorobenzene (23% and 22%) in SB-9-13.5-14-040513
- methylcyclohexane and 1,2,4-trichlorobenzene (32% to 53%) in SS-1-040513

Some errors were observed on matrix spike QC summary Forms 3.

Results for analytes reported by the laboratory with the "E" flag have been edited to reflect values derived from dilution analyses, thus reflecting responses within the established linear range of the instrument.

Due to presence in the associated method blanks, the detections of methylene chloride in samples reported in SDG E1777 are considered external contamination, and edited to reflect non-detection.

The detection of cis-1,2-dichloroethene in MW-14-091913 is qualified as estimated due to elevated recoveries (132% and 131%) in the associated LCSs. The result for bromoform in MW-25-8-9-112213 is qualified as estimated due to low recovery (51%) in the associated LCS.

The results for 1,4-dioxane in the samples are not usable (rejected), due to poor instrument performance that is inherent with the methodology. Other calibration standards show acceptable responses, with the exception of the following, results for which are qualified as estimated in the indicated samples:

- 1,2-dibromo-3chloropropane (low RRF) in SB-9-11-12-040513
- chloromethane and cyclohexane (25%D and 24%D) in EB-1-040813, EB-2-040813, and TB
- acetone (22%D) in SB-9-6-8-040513 and SS-1-040513
- acetone and 2-butanone (26%D and 23%D) in MW-19(2.5-4.5)041713
- cyclohexane (31%D) in MW-17-051013, MW-21-051013, and Trip Blank
- acetone and 2-hexanone (41%D and 28%D) in MW-23-050913
- cyclohexane (22%D) in the field samples reported in SDG E2238
- bromomethane and cyclohexane (24%D and 22%D) in TB-112213

Documentation supporting the further dilutions of the medium level further dilution analyses was not provided.

Although the list of laboratory qualifiers includes the "N" flag to indicate the tentative identification nature of Tentatively Identified Compounds (TICs), the laboratory is not applying the qualifier (required of the deliverables). All TICs reported with a CAS number should also have been flagged as "N". The TICs are not reported on the EDD.

Not all of the TIC spectra for MW-19-091813 are present in the data package.

TCL Semivolatiles by EPA 8270D

SS-4-042313 and FD-2 exhibited low recoveries for two internal standards on repeated analysis. The results for the thirteen associated compounds have been qualified as estimated in value:

Matrix spike evaluations were performed on SS-1-040513, SS-4-042213, MW-23-050913, and MW-16S-091713. Recoveries and correlations are within validation action guidelines, with the following exceptions, results for which are qualified as estimated in the indicated parent sample:

- pyrene (177% and 150%) and indeno(1,2,3-cd)pyrene (both 386%) in SS-4-042213
- 2,3,4,6-tetrachlorophenol (74% to 83%) in MW-23-050913
- 1,2,4,5-tetrachlorophenol (both 75%) and 2,3,4,6-tetrachlorophenol (74% to 83%) in MW-16S-091713

Results for analytes reported by the laboratory with the "E" flag have been edited to reflect values derived from dilution analyses, thus reflecting responses within the established linear range of the instrument.

Surrogate recoveries were within laboratory acceptance ranges, and internal standard responses are within the required range. However, the laboratory acceptance ranges are much wider than those allowed by the analytical protocol.

Calibration standards show acceptable responses, with the exception of the following results for which are qualified as estimated in the indicated associated samples:

- pentachlorophenol (25%D) in SS-3-040513, FD-1, and EB-2-040813
- 2,4-dinitrophenol (25%D) in SS-3-0.5-1-040513, and SS-3-1-2-040513
- 2,4-dinitrophenol (low RRF) in samples reported in SDGs E1970 and E2174; the reporting limits for samples in E2174 are elevated by a factor of 2.5 due to very poor low concentration responses
- 2,4-dinitrophenol and pentachlorophenol (low RRFs) in samples reported in WD-7-051413
- 2,4-dinitrophenol, 4,6-dinitro-3-methylphenol, and pentachlorophenol (low RRFs) in all samples reported in SDG E2238 except WD-7-051413; the reporting limits for samples in E2174 are elevated by a factor of 2.5 due to very poor low concentration responses

TICs reported with the "A" or "B" flags are extraction artifacts that are to be removed from consideration as sample components. Some of the TICs are poorly identified.

TCL Pesticides, Aroclor PCBs, Herbicides by EPA 8081A, 8082, and 8151

The surrogate standard DCB recovered at and below10% in the PCB analysis of WD-7-051413. That analysis is therefore not usable, but the pesticide analysis of the sample can be used to confirm the absence of Aroclor mixtures in the sample. The Aroclor results are therefore not rejected, but are usable, qualified as estimated due to lack of Aroclor mixture calibration evaluation on the pesticide system.

Matrix spikes of pesticides, Aroclors 1016/1260, and herbicides performed on SS-1-040513, MW-23-050913, and MW-16S-091713, and herbicide matrix spikes of FD-,1 show recoveries and correlation within validation guidelines (based on laboratory acceptance ranges), with the exception of the recoveries for 2,4,5-TP in MW-23-050913. The result for that analyte is qualified as estimated in that parent sample. The laboratory acceptance ranges are wider than those allowed by the analytical protocol (i.e. 11 pesticides have a low recovery limit of 10%). An error was observed on one of the pesticide QC summary forms 3.

The results for the Aroclor mixtures in SS-3-040513 are qualified as estimated due to low surrogate DCB recoveries in two analyses.

Due to elevated dual column correlation, the result of 4,4'-DDD in FD-1 has been qualified as tentative in identification and estimated in value.

FD-1 shows a very large solvent peak in the herbicide analysis. The chromatogram was not scaled properly, and that large response dwarfed surrogate and any potential target analyte responses, thus prohibiting independent evaluation.

Calibration standard instrument responses fall within validation guidelines. Blanks show no contamination.

TAL Metals/CN Analyses by EPA 6010B, 7470, 7471, 9012

The zinc detection in WD-5-051413 is edited to non-detection due to presence in the associated field blank.

Matrix spikes/duplicate evaluations of SS-1-040513, MW-23-05091, MW-16S-091713, and MW-21-091813 were performed, and show the following recoveries that are outside the recommended limits, indicating a matrix effect on analyte recovery from the samples. The results for the listed elements are qualified as estimated in the samples reported in the indicated SDGs:

Parent Sample	Element	%Recoveries	%RPD	Affected Samples
SS-1-040513	Antimony	39 and 34		E1777
	Beryllium	71 and 68		
	Selenium	68 and 65		
	Vanadium	73 and 68		
MW-23-050913	Barium	126 and 142		E2174 and E2238
	Chromium		>±CRDL	
MW-16S-091713	Silver	74.9 and 74		E3727
MW-21-091813	Silver	73 and 72		MW-21-091813 and FD-1-091813
	Thallium	73 and 74		

An additional cyanide matrix spike evaluation was performed on SD-7-051413, and shows acceptable recoveries and duplicates.

The laboratory did not utilize the QAPP recovery acceptance range; the validation review utilized the correct range.

The ICP serial dilution evaluation of SS-1-040513 shows elevated correlations for aluminum, barium, calcium, chromium, copper, magnesium, manganese, potassium, and zinc (11%D to 28%D). Detected results for those elements in the samples reported in SDG E1777 are therefore qualified as estimated in value. Not all of those elements were noted in the narrative as outliers. The laboratory does not apply the required flag/qualifier of "E" on Forms 1 or 8 for the outlying serial dilution correlations.

The ICP serial dilution evaluations of MW-23-050913, MW-16S-091713, and MW-21-091813 show acceptable correlations.

The laboratory also processed and reported matrix spikes and an ICP serial dilution on a field blank; the evaluations are not applicable to field samples.

The calibration blank summary forms and the sample results forms show inconsistent reporting limits for zinc.

Volatile Analyses by EPA TO-15

The detected results for chloromethane in 467-IA-030314 and dichlorodifluoromethane in 333R-AA-0303124 are qualified as tentative in identification and estimated in value due to interferences in the mass spectra.

The detected results of cyclohexane in 467-IA-030314, t-butyl alcohol in 341W-IA-030314, and chloromethane in 463R-IA-030314 are edited to non-detection due to very poor mass spectral quality.

Due to presence in the associated method blanks, the detections of methylene chloride in 467-IA-030314, 341W-IA-030314, and 463R-IA-030314 are considered external contamination, and edited to reflect non-detection.

Laboratory duplicate evaluations were performed on 467-IA-030314 and 341W-IA-030314. Correlations show good precision.

Initial and continuing calibration standard responses fall within analytical requirements and validation guidelines. Surrogate standard and internal standard recoveries meet protocol and validation guidelines. Holding times and instrument tunes meet requirements. Canister pressures at receipt are acceptable. Clean canister certification reports no contaminatoin.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SB-9-2-3.2-040513	E1777-01	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SB-9-6-8-040513	E1777-02	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SB-9-11-12-040513	E1777-03	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SB913.514.5040513	E1777-04	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SB-15-4-5-040513	E1777-05	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SB-15-6-8-040513	E1777-06	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SB-15-9-10-040513	E1777-07	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SS-1-040513	E1777-08	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SS-1-6-12-040513	E1777-11	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SS-1-12-24-040513	E1777-12	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SB-16-4-5-040513	E1777-13	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SB-16-10-12-040513	E1777-14	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SS-2-040513	E1777-15	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SS-2-0.5-1-040513	E1777-16	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SS-2-1-2-040513	E1777-17	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SS-3-040513	E1777-18	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SS-3-0.5-1-040513	E1777-19	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
SS-3-1-2-040513	E1777-20	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP
FD-1	E1777-21	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A	9012B, Chemtech -SOP

CHEMTECH

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NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
EB-1-040813	E1777-22	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A, 7470A	9012B, Chemtech -SOP
EB-2-040813	E1777-23	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A, 7470A	9012B, Chemtech -SOP
TB	E1777-24	8260B	8270D		8081B, 8082A, 8151A	6010C, 7471A, 7470A	9012B, Chemtech -SOP

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW19(2.5-4.5)041713	E1941-01	8260B					Chemtech-SOP
MW19(10-11)041713	E1941-02	8260B					Chemtech-SOP
MW20(12.5-13.5)041813	E1941-03	8260B					Chemtech-SOP
MW20(13.5-14.5)041813	E1941-04	8260B					Chemtech-SOP
TRIPBLANK	E1941-05	8260B					

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SS-4-042213	E1970-01	8260C	8270D				Chemtech -SOP
FD-2	E1970-04	8260C	8270D				Chemtech -SOP
TRIPBLANK	E1970-05	8260C					

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MW-16D-050813	E2174-01	8260B					
MW-16S-050813	E2174-02	8260B					
MW-22-050813	E2174-03	8260B					
MW-19-050913	E2174-04	8260B					
MW-20-050913	E2174-05	8260B	8270C		8081B, 8082, 8151A	6010C, 7470A	9012B
MW-23-050913	E2174-06	8260B	8270C		8081B, 8082, 8151A	6010C, 7470A	9012B
TRIPBLANK	E2174-09	8260B					
FD-1	E2174-10	8260B	8270C		8081B, 8082, 8151A	6010C, 7470A	9012B
MW-17-051013	E2174-11	8260B					
MW-21-051013	E2174-12	8260B					
TRIPBLANK	E2174-13	8260B					

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NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-18S-051313	E2238-01	8260B					
MW-18D-051313	E2238-02	8260B					
MW-9-051313	E2238-03	8260B					
MW-14-051313	E2238-04	8260B					
MW-15-051413	E2238-05	8260B					
MW-1-051413	E2238-06	8260B					
FB-1-051413	E2238-07	8260B	8270C		8081B, 8082A, 8151A	6010C, 7470A	9012B
MW-3-051413	E2238-08	8260B	8270C		8081B, 8082A, 8151A	6010C, 7470A	9012B
TRIPBLANK	E2238-09	8260B	8270C		8081B, 8082A, 8151A	6010C, 7470A	9012B
WD-4-051413	E2238-10	8260B	8270C		8081B, 8082A, ~~8151A~~	6010C, 7470A	9012B
WD-5-051413	E2238-11	8260B	8270C		8081B, 8082A, ~~8151A~~	6010C, 7470A	9012B
WD-7-051413	E2238-12	8260B	8270C		8081B, 8082A, ~~8151A~~ 8151A	6010C, 7470A	9012B

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NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-18S-091713	E3727-01	8260B					
MW-18D-091713	E3727-02	8260B					
MW-16S-091713	E3727-03	8260B	8270C		8081B, 8082A, 8151A	6010C, 7470A	9012B
FB-1-091713	E3727-06	8260B	8270C		8081B, 8082A, 8151A	6010C, 7470A	9012B
TB-1-091713	E3727-07	8260B					
MW-16D-091813	E3727-08	8260B					
MW-21-091813	E3727-09	8260B	8270C		8081B, 8082A, 8151A	6010C, 7470A	9012B
FD-1-091813	E3727-10	8260B	8270C		8081B, 8082A, 8151A	6010C, 7470A	9012B
MW-19-091813	E3727-11	8260B					
MW-20-091813	E3727-12	8260B					
MW-23-091813	E3727-13	8260B					
TB-1-091813	E3727-14	8260B					
MW-14-091913	E3727-15	8260B					
MW-22-091913	E3727-16	8260B					
MW-3-091913	E3727-17	8260B					
MW-15-091913	E3727-18	8260B					
MW-9-092013	E3727-19	8260B					
MW-1-092013	E3727-20	8260B					
MW-17-092013	E3727-21	8260B					
TB-1-092013	E3727-22	8260B					

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-24-10.8-11.8-112113	E4591-01	8260C	8270D				Chemtech -SOP
MW-25-8-9-112213	E4591-02	8260C	8270D				Chemtech -SOP
TB-112213	E4591-03	8260C	8270D				Chemtech -SOP

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

Cover Page

Order ID : E4879

Project ID : Whitesboro Dry Cleaners NYSDEC

Client : OBrien and Gere Engineers, Inc.

Lab Sample Number	Client Sample Number
E4879-01	MW-24-121813
E4879-02	MW-25-121813
E4879-03	TRIPBLANK-121813

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

Signature : Zh. Rohan Zhaleh 2014.01.06 22:55:17 -05'00'

Date: 12/31/2013

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

Cover Page

Order ID : F1587

Project ID : Whitesboro Dry Cleaners NYSDEC AIR

Client : OBrien and Gere Engineers, Inc.

Lab Sample Number	Client Sample Number
F1587-01	467-IA-030314
F1587-02	333R-AA-030314
F1587-03	IAD-030314

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

Signature : Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2014.03.20 14:54:07 -05'00'

Date: 3/15/2014

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

Cover Page

Order ID : F1641

Project ID : Whitesboro Dry Cleaners NYSDEC AIR

Client : OBrien and Gere Engineers, Inc.

Lab Sample Number	Client Sample Number
F1641-01	341W-IA-030314
F1641-02	463R-IA-030314

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

Signature : M Idred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2014.03.20 14:50:01 -05'00'

Date: 3/20/2014

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

Data Validation Services

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

Phone 518-251-4429
harry@frontiernet.net

October 17, 2013; Revised November 20, 2013

Scott Tucker
O'Brien & Gere Engineers
333 West Washington St
Syracuse, NY 13221

RE: Validation of the NYSDEC Whitesboro Analytical Data
Data Usability Summary Report (DUSR)
Chemtech SDG No. E3799

Dear Mr. Tucker:

Review has been completed for the data package noted above, generated by Chemtech Laboratories, that pertains to air samples collected 09/19/13 at the NYSDEC Whitesboro site. Two 6L canister samples were analyzed for volatile analytes by United States Environmental Protection Agency (USEPA) method TO-15.

Validation was performed with guidance from the most current edition of the USEPA Region II Standard Operating Procedure (SOP) HW-31 and the specific methodology. The following items were reviewed:

* Data Completeness
* Custody Documentation
* Canister Pressures
* Holding Times
* Surrogate and Internal Standard Responses
* Instrumental Tunes
* Preparation/Canister Blanks
* Laboratory Control Samples (LCSs)
* Calibration Standards
* Method Compliance
* Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data packages.

In summary, sample results are usable either as reported, or with minor qualification.

Copies of the client sample identifications are attached to this text, and should be reviewed in conjunction with this report. Also included with the submission are the qualified client Equis EDD deliverables.

Volatile Analyses by TO-15

The laboratory utilized reporting limits that are generally one fifth the concentration of the lowest calibration standard incorporated into the initial calibration. The laboratory analyzed standards at the reported limit concentrations the same time as the initial calibration standards, and all of those standards were processed the same day as the project samples. Therefore, although the reporting is not compliant with the analytical protocol (which requires that the initial calibration determination include a low concentration corresponding to the desired reporting limit), the reporting limits are technically supported by the ability to detect those target analytes in the lower concentration standards, and no correction to, or qualification of, those reporting limits is made. Detected values below the initial calibration were properly reported qualified as estimated by the laboratory.

Results for analytes initially reported with the "E" flag have been derived from the dilution analyses of the sample.

The detected result of hexane in Doggroomer has been qualified as tentative in identification and estimated in value due to poor mass spectral quality.

Detected results for methylene chloride in the samples are considered external contamination due to presence in the associated method blank, and have been edited to non-detection.

Holding times and instrument tunes were acceptable. The Laboratory Control Sample recoveries are within validation guidelines.

Surrogate and internal standard responses are within recommended/required limits.

Analysis volumes should be noted on the laboratory run logs.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Att: Validation Qualifier Definitions
Client and Laboratory Sample Identifications
Laboratory Case Narratives

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and LABORATORY CASE NARRATIVE

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

Cover Page

Order ID : E3799

Project ID : Whitesboro Dry Cleaners NYSDEC AIR

Client : OBrien and Gere Engineers, Inc.

Lab Sample Number	Client Sample Number
E3799-01	
E3799-02	AMBIENT-091913

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

Signature : Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2013.10.04 10:46:59 -05'00'

Date: 10/4/2013

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

OBrien and Gere Engineers, Inc.
Project Name: Whitesboro Dry Cleaners NYSDEC AIR
Project # N/A
Chemtech Project # E3799
Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:
2 Air samples were received on 09/21/2013.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group2. This data package contains results for VOCMS Group2.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator.The analysis of VOCMS Group2 was based on method TO-15.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The Blank Spike for {VL0925ABS} with File ID: VL021032.D met requirements for all samples except for 1,4-Dioxane[55%] .
The Blank analysis indicated presence of Methylene Chloride[0.32 ppbv] FileID:VL021031.D{VL0925ABL} due to possible lab contamination. The concentration of this compound is below CRQL.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.
Sample [redacted]913 was diluted due to high concentration.

E. Additional Comments:

F. Manual Integration Comments:
Please refer to the Manual integration Report.

Data Validation Services

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

Phone 518-251-4429
harry@frontiernet.net

February 25, 2015; Revised March 13, 2015

Scott Tucker
O'Brien & Gere Engineers
333 West Washington St
Syracuse, NY 13221

RE: Validation of the NYSDEC Whitesboro Analytical Data
Data Usability Summary Report (DUSR)
Chemtech SDG Nos. F3925 and F4115

Dear Mr. Tucker:

Review has been completed for the data packages noted above, generated by Chemtech Laboratory, that pertain to the samples collected between 0911/14 and 09/30/14 at the NYSDEC Whitesboro site. Thirteen soil samples, one aqueous sample, one soil field duplicate, and one aqueous field duplicate were analyzed for TCL volatiles. Two soil samples and a field duplicate were analyzed for total lead. Volatile Tentatively Identified Compounds (TICs) were also reported. The analytical methodologies are those of the USEPA SW846 8260C and 6010C.

Full data validation was performed in accordance with the May 2011 Parsons Generic Quality Assurance Project Plan (QAPP), with use of the USEPA Region II Data Validation SOPs HW-2 and HW-24, with consideration for the specific requirements of the analytical methodologies.
The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method Blank
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Samples (LCS)
* Instrument Performance
* Initial and Continuing Calibration Standards
* ICP Serial Dilution Evaluation
* Method Compliance
* Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data packages.

In summary, sample results are technically usable either as reported, or with minor qualification, with the exceptions that results for one volatile analyte in all samples, and eight volatile analyte results in one sample, are not usable.

The QAPP requirements for precision, accuracy, representativeness, and comparability were met. However, because of apparent matrix effects, many volatile analyte results are reported at significantly elevated reporting limits. Therefore sensitivity and completeness parameters may be compromised.

Copies of the client sample identifications and the designated analyses that have been validated are attached to this text, and should be reviewed in conjunction with this report. Also included with the submission are the qualified client EQuis EDD deliverables.

Blind Field Duplicate Evaluations

Field duplicate evaluations were performed for volatile analytes on MW-26-093014 and SB-23R-6-7-091214, and for lead in SS-5-0.5-1-091114. Correlations fall within the acceptance guidelines for MW-26-093014 and SS-5-0.5-1-091114. However, the duplicate of SB-23R-6-7-091214 shows significant variances from the parent sample, with higher concentrations in the duplicate for cis-1,2-dichloroethene (< 8.7 ug/kg and 37 ug/kg) and trichloroethene (<8.7 ug/kg and 360 ug/kg). Additionally, there was a large variance between the tetrachloroethene concentrations in the low and medium analyses of that parent sample, indicating a possible non-homogeneous matrix. The field duplicate did not exhibit the outlying internal standard responses observed in the parent sample (discussed below). Results for those three compounds have been qualified as estimated in that field sample and its duplicate.

Volatile Analyses by EPA 8260C

In nine of the thirteen soil samples, and the field duplicate, the low level analyses exhibited low recoveries for at least one of the four internal standards (ISs). In some cases, the responses fall below 25% of that in the corresponding calibration standard, indicating that the data for the analytes associated with the affected ISs are not usable. In all except one instance, the samples were reanalyzed at dilution, usually at medium level due to high concentrations of target analytes (typically tetrachloroethene). The dilution/medium level analyses do not exhibit the same apparent matrix effects, and therefore these data can be used in place of those rejected in the low level analyses. However, the medium level analyses produce reporting limits that are higher by a hundred-fold. These elevated limits may not be useful for the end use of the data. One sample was not reanalyzed at dilution, resulting in rejected data for eight compounds. The following samples were affected:

- MW-26-6-7-091114: results for eight analytes are rejected
- SB-28R-10-11-091214 and SB-31-7-8-091214: all results are derived from the medium level
- MW-26-22-23-091114, SB-23R-6-7-091214, SB-23R-11-12-091214, and SB-32-15.5-16-091214: results for eight analytes are derived from medium level

Results for all analytes derived from the low level analyses of six of the samples, and for eight analytes in two of the samples, are qualified as estimated due to either low recoveries (greater than 25%, less than 50%) in the associated IS, or to outlying surrogate standard recoveries.

Due to poor mass spectral quality, the detected results of isopropylbenzene and m,p-xylene in SB-29R-3.5-4-091214 are qualified as tentative in identification and estimated in value.

Due to very poor mass spectral quality, the detected result of o-xylene in SB-29R-3.5-4-091214 is edited to reflect non-detection.

Matrix spikes were evaluated on MW-26-6-7-091114 and MW-26-093014. Many elevated recoveries were observed for analytes not detected in the parent sample MW-26-6-7-091114, and for methylene chloride (both 170%) in that same parent sample. The results for that sample are already qualified due to outlying surrogate and internal standard responses.

Results for analytes reported by the laboratory with the "E" flag have been edited to reflect values derived from dilution analyses, thus reflecting responses within the established linear range of the instrument. When not detected in the dilution analyses, or in some cases where the initial results are preferable, the initial "E" values are used, then qualified as estimated due to the outlying response.

The results for 1,4-dioxane in the samples are not usable (rejected), due to poor instrument performance that is inherent with the methodology. Other calibration standards show acceptable responses, with the exception of the following, results for which are qualified as estimated in the indicated samples:

- acetone and vinyl chloride (26%D and 21%D) in the aqueous samples and associated blanks
- trans-1,3-dichloropropene (21%RSD) in SB-28R-3-4-091214, SB-29R-3.5-4-091214, EB-2-091214, TripBlank-091214, and the aqueous samples and associated blanks reported

The raw data do not include the volumes of extract used to produce the further medium level dilutions. The resulting dilution factor is entered onto the raw instrument file.

Although the list of laboratory qualifiers includes the "N" flag to indicate the tentative identification nature of Tentatively Identified Compounds (TICs), the laboratory is not applying the qualifier (required of the deliverables). All TICs reported with a CAS number should also have been flagged as "N". The TICs are not reported on the EDD.

Total Lead by EPA 6010C

The matrix spike recovery evaluation of SS-5-0-0.17-091114 was not applicable due relatively high concentrations of lead in the parent sample. The duplicate correlation is acceptable.

The ICP serial dilution evaluation of SS-5-0-0.17-091114 shows an acceptable correlation.

Instrument performance is compliant, and blanks show no contamination affecting sample results.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-26-6-7-091114	F3925-01	8260C					Chemtech -SOP
MW-26-22-23-091114	F3925-04	8260C					Chemtech -SOP
SS-5-0-0.17-091114	F3925-05	~~8260C~~				6010C	Chemtech -SOP
SS-5-0.5-1-091114	F3925-08	~~8260C~~				6010C	Chemtech -SOP
FD-1-091114	F3925-09	~~8260C~~ 2-21-15				6010C	Chemtech -SOP
SB-23R-6-7-091214	F3925-10	8260C				~~6010C~~	Chemtech -SOP
SB-23R-11-12-091214	F3925-11	8260C				~~6010C~~	Chemtech -SOP
SB-28R-3-4-091214	F3925-12	8260C				~~6010C~~	Chemtech -SOP
SB-28R-10-11-091214	F3925-13	8260C				~~6010C~~	Chemtech -SOP
SB-29R-1.5-25-091214	F3925-14	8260C				~~6010C~~	Chemtech -SOP
SB-29R-3.5-4-091214	F3925-15	8260C				~~6010C~~	Chemtech -SOP
SB-29R-9-10-091214	F3925-16	8260C				~~6010C~~	Chemtech -SOP
SB-31-7-8-091214	F3925-17	8260C				~~6010C~~	Chemtech -SOP
SB-31-21-21.5-091214	F3925-18	8260C				~~6010C~~ 2-21-15	Chemtech -SOP
FD-2-091214	F3925-19	8260C				~~6010C~~	Chemtech -SOP
SB-32-15.5-16-091214	F3925-20	8260C				~~6010C~~	Chemtech -SOP
SB-33-7-8-091214	F3925-21	8260C				~~6010C~~	Chemtech -SOP
EB-1-091214	F3925-22	~~8260C~~ 2-21-15				6010C	Chemtech -SOP
EB-2-091214	F3925-23	8260C				~~6010C~~	Chemtech -SOP
TRIPBLANK-091214	F3925-24	8260C				~~6010C~~ 2-21-15	Chemtech -SOP

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-26-093014	F4115-01	8260C					
EB-3-093014	F4115-04	8260C					
FD-3-093014	F4115-05	8260C					
TRIP BLANK-093014	F4115-06	8260C					

Data Validation Services

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

Phone 518-251-4429
harry@frontiernet.net

March 29, 2016

Scott Tucker
O'Brien & Gere Engineers
333 West Washington St
P O Box 4873
Syracuse, NY 13221

RE: Validation of NYSDEC Whitesboro Site Analytical Data Package
Chemtech SDG G1336

Dear Mr. Tucker:

Review has been completed for the data package generated by Chemtech Laboratories that pertains to air samples collected 02/01/16 at the NYSDEC Whitesboro site. Three air samples were collected in 6-L summa canister samples and analyzed for volatile analytes by USEPA method TO-15.

The data packages submitted contain full deliverables for validation, and this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOP HW-31, with consideration for the requirements of the analytical methodology. The following items were reviewed:

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

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedure, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with project requirements.

In summary, sample processing was conducted in compliance with, and adherence to, protocol requirements. Sample results are usable either as reported, or with minor qualification as estimated.

The sample identifications and validation qualifier definitions are attached to this text. The validation qualifiers have been applied to the EDD provided by the client and submitted with this narrative.

The QAPP requirements for data completeness, precision, accuracy, representativeness, sensitivity, and comparability were met.

Volatiles in Air by EPA TO-15

Laboratory Control Samples show acceptable recoveries, with the exception that those for acetone (69%) and 1,4-dioxane (49%), which fall below the laboratory low acceptance range limit of 70%. The results for those two compounds in the samples have been qualified as estimated in value.

Holding times and instrument tunes meet requirements. Internal standard recoveries are within the required range. Method and canister blanks show no contamination that affect sample reported results.

The laboratory duplicate of 340-W-AA-020216 and the field duplicate of 340-W-IA020216 show acceptable correlations.

Initial and continuing calibration standard responses were within validation guidelines, with all response factors (RRFs) above 0.05 and linearity within the 30%RSD limit. The continuing calibration responses are below 30%D.

Sample results are substantiated by the raw data.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Att: Validation Qualifier Definitions
Client and Laboratory Identifications
Qualified Client EDD

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

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

Cover Page

Order ID : H1336

Project ID : Whitesboro Dry Cleaners NYSDEC AIR

Client : OBrien and Gere Engineers, Inc.

Lab Sample Number	Client Sample Number
H1336-01	340W-AA-020216-01
H1336-02	340W-IA-020216-01
H1336-03	340W-IAD-020216-01

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

Signature : Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 8:16 am, Feb 19, 2016

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

Data Validation Services

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

Phone 518-251-4429
harry@frontiernet.net

March 29, 2016

Scott Tucker
O'Brien & Gere Engineers
333 West Washington St
P O Box 4873
Syracuse, NY 13221

RE: Validation of NYSDEC Whitesboro Site Analytical Data Package
Chemtech SDG G1336

Dear Mr. Tucker:

Review has been completed for the data package generated by Chemtech Laboratories that pertains to air samples collected 02/01/16 at the NYSDEC Whitesboro site. Three air samples were collected in 6-L summa canister samples and analyzed for volatile analytes by USEPA method TO-15.

The data packages submitted contain full deliverables for validation, and this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOP HW-31, with consideration for the requirements of the analytical methodology. The following items were reviewed:

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

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedure, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with project requirements.

In summary, sample processing was conducted in compliance with, and adherence to, protocol requirements. Sample results are usable either as reported, or with minor qualification as estimated.

The sample identifications and validation qualifier definitions are attached to this text. The validation qualifiers have been applied to the EDD provided by the client and submitted with this narrative.

The QAPP requirements for data completeness, precision, accuracy, representativeness, sensitivity, and comparability were met.

Volatiles in Air by EPA TO-15

Laboratory Control Samples show acceptable recoveries, with the exception that those for acetone (69%) and 1,4-dioxane (49%), which fall below the laboratory low acceptance range limit of 70%. The results for those two compounds in the samples have been qualified as estimated in value.

Holding times and instrument tunes meet requirements. Internal standard recoveries are within the required range. Method and canister blanks show no contamination that affect sample reported results.

The laboratory duplicate of 340-W-AA-020216 and the field duplicate of 340-W-IA020216 show acceptable correlations.

Initial and continuing calibration standard responses were within validation guidelines, with all response factors (RRFs) above 0.05 and linearity within the 30%RSD limit. The continuing calibration responses are below 30%D.

Sample results are substantiated by the raw data.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Att: Validation Qualifier Definitions
Client and Laboratory Identifications
Qualified Client EDD

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

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

Cover Page

Order ID : H1336

Project ID : Whitesboro Dry Cleaners NYSDEC AIR

Client : OBrien and Gere Engineers, Inc.

Lab Sample Number	Client Sample Number
H1336-01	340W-AA-020216-01
H1336-02	340W-IA-020216-01
H1336-03	340W-IAD-020216-01

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

Signature : Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 8:16 am, Feb 19, 2016

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

ENVIRONMENTAL DATA SERVICES, LTD.

DATA VALIDATION REPORT

NYSDEC Whitesboro Dry Cleaners
February 2023 Air Sampling

TO-15

SDG: 23B2591

Chemical Analyses Performed by:

Pace Con-Test

Prepared by

ENVIRONMENTAL DATA SERVICES, LTD.

Prepared for

EA Engineering, Science and Technology, Inc.

May 22, 2023

5 Brilliant Avenue, Pittsburgh, PA 15215
412.408.3288 I www.eds-pa.com

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

SITE: Whitesboro Dry Cleaners

LABORATORY: Pace Con-Test

SAMPLE DELIVERY GROUP: 23B2591

SAMPLE DATES: 02/21/2023

VALIDATION LEVEL: 4

This sample delivery group (SDG) consists of the following samples identified for data validation:

Sample Identification	Laboratory Identification
PD-IA01-022023	23B2591-01
PD-SS01-022023	23B2591-02
PD-AA01-022023	23B2591-03
PD-DUP1-022023	23B2591-04

The samples described above were analyzed via methods USEPA TO-15 and/or USEPA TO-15 SIM to determine the concentrations of trace volatile organic analytes (VOAs) in air samples.

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15 Data Validation, HW-31, Rev. 6, June 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R”, rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. The second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.”

HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this delivery group were prepared and analyzed within the holding time specified in the validation guidelines.

BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this delivery group at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) in any associated method blank.

Storage Blanks

No storage blanks were required for this sample delivery group (SDG).

Trip Blanks

No trip blanks were submitted in association with this SDG.

Field Blanks

No field blanks were submitted in association with this SDG.

MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with this SDG were fully compliant.

CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 24-hour analytical sequence, denoted as a “closing” calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Note, no closing continuing calibration verifications were performed in association with this SDG.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the volatile organic analysis (VOA) target compound list (TCL) must be ≥0.05 in both the initial and continuing calibrations with exception of poor response compounds, where RRFs must be ≥0.01. Additionally, the RRF in the closing continuing calibration must be ≥0.01. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is <0.05, or <0.01 for poor response compounds, or the RRF for the closing continuing calibration is <0.01 for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations were found to be acceptable in all cases.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument’s daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be <30%.

An RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated. Severe performance failures (RSD >90%) require qualification of non-detected results as well.

The %D for continuing calibration must be <30%.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated, and non-detects are qualified with "UJ".

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria or did not result in a need to qualify sample results with the following exceptions.

The %D value for the target analyte Naphthalene was outside of acceptance limits for one continuing calibration verification. All samples in this SDG are associated with the non-compliant continuing calibration verification. The results reported for the impacted target analyte in the associated samples were all non-detect and have been qualified “UJ” on this basis.

INTERNAL STANDARDS PERFORMANCE

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 20 seconds from the associated continuing calibration standard. The area count must be within -60% to +140% range of the associated standard. If area count is >140% non-detected results are not qualified while positive results are qualified "J", estimated. However, when an observed area count is <60%, positive results are qualified "J" estimated while non-detected results are rejected.

The reported analysis for all samples, lab control sample, and associated method blanks had internal standard areas and retention times within QC criteria in all cases.

COMPOUND IDENTIFICATION

Volatile

The TCL compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within $\pm$0.06 RRT units of the standard compound, and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to an 85% match, the results are qualified “NJ”, tentatively identified. If the non-target compound is reported as an unknown, the result is qualified “J”, estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to “unknown” and the result is qualified “J”, estimated.

Tentatively identified compounds were not reported by the laboratory and were not evaluated for this program.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

All LCS evaluations resulted in acceptable recoveries or did not result in a need to qualify sample results with the following exceptions. The observed recovery for styrene was higher than the highest acceptance limit during the evaluation of LCS B333391-BS1 associated with all samples in the SDG. Positive sample results reported for styrene have been qualified “J+” on this basis.

REPORTING

Samples were analyzed at a dilutions to bring the concentration of analytes within the calibrated range as required; the reported compound quantitation limits were adjusted upwards accordingly in those instances. No other dilution, re-extraction, or reanalysis was performed on the samples associated with this SDG.

OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples PD-SS01-022023 and PD-DUP1-022023 were submitted as field duplicates in association with this SDG. Upon evaluation adequate field precision was demonstrated with the following exceptions. Poor precision was observed for ethanol and styrene. Results reported for the impacted analytes in the field duplicate samples have been qualified as estimated “J” on this basis. Note styrene results were previously qualified due to non-compliant LCS recovery, no further qualifications were applied in this case.

SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Clean canisters were used to transport air samples in this SDG. All criteria were met to ensure containers were appropriate for sample storage.

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks	NA		
Field Blanks	NA		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference			x
Internal Standards	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Laboratory Control Sample			x
Reporting	x		
Other Quality Control Data out of Specification	x		
Field Duplicate			x

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result 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 indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

APPENDIX N
LABORATORY REPORTS

APPENDIX O
SURVEY REPORTS

Susan M. Anacker, Professional Land Surveyor, PLLC
Susan M. Anacker, Owner
New York State License #050321

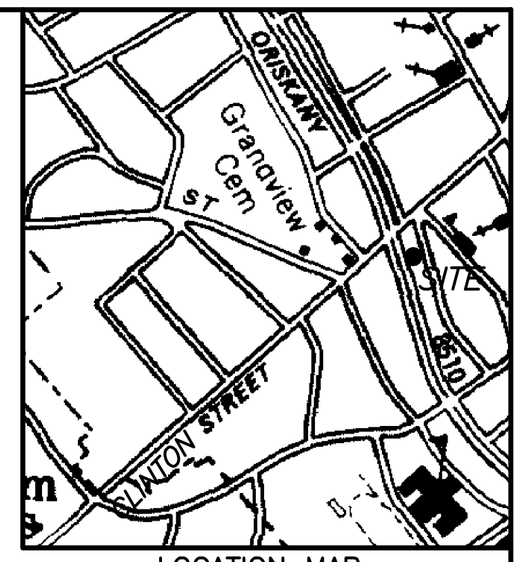
11082 Davis Road East
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EMAIL
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New York State Woman Business Enterprise Certified
Disadvantaged Business Enterprise Certified
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Survey field work was completed March 28, 2013, May 8, 2013, December 18, 2013, and September 16, 2014.

Monitoring Well # & Soil Boring #	X	Y	Elevation at the Top of PVC	Ground Elevation
AS-1	1164662.177	1139673.618		428.7897
AS-1	1164662.081	1139674.173	428.4884	
B-14NWMW-2	1164689.529	1139641.335	429.1485	
B-14NWMW-2	1164690.11	1139641.64		429.0655
B-19NWMW-3	1164691.209	1139533.97		429.3687
B-19NWMW-3	1164691.413	1139533.516	429.3056	
B-8NWMW-4	1164636.889	1139597.959		431.0168
B-8NWMW-4	1164636.218	1139598.013	431.0311	
B-9NWMW-1	1164678.008	1139679.425		428.2991
B-9NWMW-1	1164677.429	1139679.188	428.3151	
MW-11	1164700.385	1139743.081	427.6786	
MW-11	1164700.912	1139743.332		428.0301
MW-12	1164719.051	1139692.269		427.1174
MW-12	1164718.468	1139692.255	427.133 (cap is broken)	
MW-14	1164720.066	1139543.16	427.555	
MW-14	1164719.892	1139543.52		427.7104
MW-15	1164704.673	1139596.852		430.1857
MW-15	1164704.531	1139597.331	429.5783	
MW-16D	1164739.647	1139412.988		426.7813
MW-16D	1164739.369	1139413.42	426.4034	
MW-16S	1164734.819	1139417.382	426.1353	
MW-16S	1164735.042	1139416.868		426.8031
MW-17	1164705.127	1139747.698	427.6177	
MW-17	1164705.332	1139747.278		428.0368
MW-17	1164705.127	1139747.698	427.6177	
MW-17	1164705.332	1139747.278		428.0368
MW-18D	1164699.328	1139368.776	428.0382	
MW-18D	1164699.589	1139368.318		428.2798
MW-18D	1164699.328	1139368.776	428.0382	
MW-18D	1164699.589	1139368.318		428.2798
MW-18S	1164695.396	1139366.957		428.4664
MW-18S	1164695.182	1139367.33	428.0597	
MW-18S	1164695.396	1139366.957		428.4664
MW-18S	1164695.182	1139367.33	428.0597	
MW-19	1164691.4	1139489.456	428.2328	
MW-19	1164691.584	1139488.935		428.6202
MW-2	1164621.696	1139543.574		430.5317
MW-2	1164621.724	1139544.183	430.3944	
MW-20	1164722.354	1139506.235	427.4235	
MW-20	1164722.566	1139505.847		427.7197

MW-20	1164722.354	1139506.235	427.4235	
MW-20	1164722.566	1139505.847		427.7197
MW-21	1164652.412	1139445.973	429.6486	
MW-21	1164652.578	1139445.511		430.0192
MW-21	1164652.412	1139445.973	429.6486	
MW-21	1164652.578	1139445.511		430.0192
MW-22	1164722.189	1139641.993	426.9386	
MW-22	1164722.35	1139641.597		427.3421
MW-22	1164722.189	1139641.993	426.9386	
MW-22	1164722.35	1139641.597		427.3421
MW-23	1164756.763	1139544.787		427.2205
MW-23	1164756.627	1139545.282	426.9132	
MW-23	1164756.763	1139544.787		427.2205
MW-23	1164756.627	1139545.282	426.9132	
MW-24	1164563.855	1139454.627		430.462
MW-24	1164563.628	1139455.154	430.0451	
MW-25	1164916.695	1139614.438	425.5251	
MW-25	1164916.298	1139614.977		426.0047
MW-26	1139453.072	1164786.623	426.4945	
MW-26	1139452.948	1164786.137		426.8255
MW-7	1164606.461	1139586.399	430.4967	
MW-7	1164606.973	1139586.617		430.8136
MW-8	1164676.323	1139553.353	429.6436	
MW-8	1164676.662	1139552.944		430.1491
MW-9	1164654.182	1139637.78	429.8404	
MW-9	1164653.945	1139637.509		430.1121
SB-10	1164711.319	1139483.021		428.0244
SB-11	1164697.344	1139521.3		428.3053
SB-12	1164721.653	1139521.453		427.6194
SB-13	1164726.434	1139495.976		427.5581
SB-14	1164724.264	1139509.226		427.6452
SB-15	1164687.373	1139487.839		428.7347
SB-16	1164700.924	1139462.948		426.8378
SB-17	1164744.004	1139454.031		426.9629
SB-18	1164709.952	1139436.723		427.113
SB-20	1164756.415	1139550.328		427.1237
SB-21	1164651.301	1139513.478		430.2734
SB-22	1164633.631	1139507.942		430.5411
SB-23	1164658.52	1139427.568		429.9894
SB-23R	1139425.587	1164659.181		429.9948
SB-24	1164787.585	1139450.942		426.7140
SB-25	1164724.713	1139671.894		427.1259
SB-26	1164691.252	1139366.08		428.6269
SB-27	1164689.936	1139500.262		428.6469
SB-28	1164695.485	1139490.718		428.5291
SB-28R	1139492.663	1164694.892		428.5437
SB-29	1164678.783	1139514.441		428.933
SB-29R	1139517.217	1164687.596		428.6474
SB-30	1164689.894	1139481.256		428.7721
SB-31	1139385.408	1164698.132		428.2287
SB-32	1139407.36	1164691.99		428.3348
SB-33	1139419.257	1164689.704		428.3915
SB-9	1164703.711	1139493.182		428.3006
SS-2	1164745.434	1139479.557		426.6824
SS-5	1139450.726	1164697.399		426.9053
SVE-1	1164663.94	1139646.09		429.5191
SVE-1	1164663.574	1139645.922	429.31	

SVE-2	1164656.227	1139657.411	429.0074	
SVE-2	1164656.817	1139657.576		429.1543
SVE-3	1164670.961	1139664.74		428.6676
SVE-3	1164670.651	1139664.588	428.4555	
SVE-4	1164679.247	1139670.771	428.055	
SVE-4	1164679.886	1139671.187		428.2402
SVE-5	1164675.989	1139690.89	428.6132	
SVE-5	1164676.087	1139689.925		428.8912
SVE-6	1164674.858	1139644.961		428.9539
SVE-6	1164674.756	1139645.55	428.8123	



LOCATION MAP

Magnetic North
Per Referenced Map

MAP

of property of

JOSEPH S. & BONNIE BRAVO

T.M. #305.14–2–33, 34.1 & 34.2 (part 0f)

VILLAGE OF WHITESBORO, COUNTY OF ONEIDA

STATE OF NEW YORK

Dated: April 12, 2013 *Scale: 1" = 20'*

Drawn By: K.L. Doxtader

Survey and Map by: Susan M. Anacker, Professional Land Surveyor
Susan M. Anacker, L.S. Lic # 50321
11082 Davis Road East, Deerfield, New York 13502
(315) 724–6800

Revised December 18, 2013 to show locations of new monitoring wells and soil borings
Revised September 18, 2014 to show locations of new monitoring wells, soil borings, and soil surface

CLINTON STREET
face of curb
face of curb
OWEN PLACE
face of curb
ORISKANY BOULEVARD
(Village Street, Variable Width)
face of curb
edge of gravel
edge of gravel

MW–17
MW–11
MW–12
pvc cap is broken
SB–25
MW–22
SVE–5
B–9NWMW–1
AS–1
SVE–4
SVE–3
SVE–2
SVE–1
SVE–6
MW–9
B–14NWMW–2
B–8NWMW–4
MW–7
MW–15
#136 Adirondack Bank 1 story wood frame building
MW–8
MW–2
B–19NWMW–3
light pole
macadam driveway
MW–14
SB–20
MW–23
SB–11
SB–12
SB–29R
SB–29
SB–21
SB–22
SB–14
MW–20
SB–27
fire hydrant
4" clay pipe
SB–28R
SB–9
SB–28
SB–13
MW–19
SB–15
sewer drain
SB–30
SB–10
clean out
unknown underground utility line
SS–2
deck
#134 1 story block building by Grooming by Michele Lee
#3 1 1/2 story wood frame house
porch
SB–16
SB–17
SS–1
MW–21
MW–26
SB–24
SB–18
macadam driveway
possible water line
gravel driveway
SB–23
SB–23R
SB–33
porch
MW–16S
MW–16D
MW–24
SB–32
traffic signal box
SB–31
unknown utility line
SB–26
MW–18D
MW–18S
sanitary sewer manhole

LEGEND

- Catch Basin
- Underground Gas Line
- Underground Sanitary Line
- Underground Water Line
- Underground Electric Line
- Utility Pole with Overhead Wires
- Water Valve
- Gas Valve
- Utility Curb Box (Approximate Location)
- Monitoring Well
- Soil Boring
- Soil Surface

10' 0 10' 20'

Bench Mark
Bench Tie Set in Utility Pole
Elevation = 428.68' (NAVD 88)

MAP REFERENCE

"Lands of Joseph S. Bravo & Bonnie Bravo Owen Place & Oriskany Boulevard" by Delta Engineers, Architects & Land Surveyors, dated December 17, 2009.

NOTES

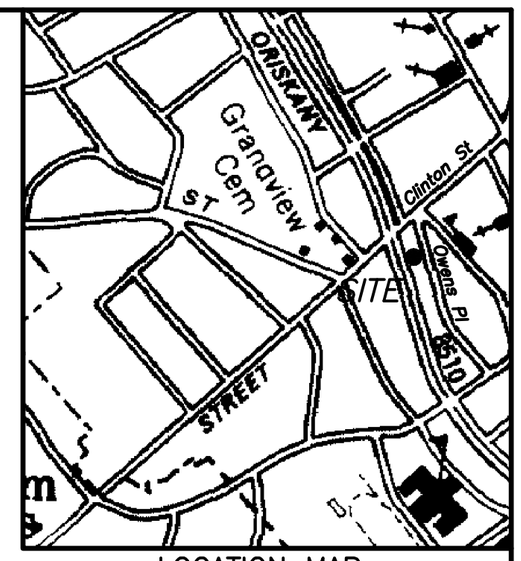
Underground facilities, structures and utilities shown on this drawing are from visible field observation and locations, and from record drawings. Locations are approximate only. UFPO shall be contacted a minimum of 48 hours prior to any underground excavation to verify the existence and location of any underground utilities.

Elevations shown are based on NAVD '88.

MW–25 is located North Easterly of the site on Parkway Drive, and not shown on this map.

ORIGINAL STAMPED IN RED INK

13–03



LOCATION MAP

Magnetic North
Per Referenced Map

MAP

of property of

JOSEPH S. & BONNIE BRAVO

T.M. #305.14–2–33, 34.1 & 34.2 (part 0f)

VILLAGE OF WHITESBORO, COUNTY OF ONEIDA

STATE OF NEW YORK

Dated: April 12, 2013 *Scale: 1" = 20'*

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Survey and Map by: Susan M. Anacker, Professional Land Surveyor, PLLC
Susan M. Anacker, L.S. Lic # 50321
11082 Davis Road East, Deerfield, New York 13502
(315) 724–6800

Revised December 18, 2013 to show locations of new monitoring wells and soil borings
Revised September 18, 2014 to show locations of new monitoring wells, soil borings, and soil surface
Revised November 22, 2021 to show locations of new soil borings and update monitoring wells

CLINTON STREET

face of curb

face of curb

face of curb

OWEN PLACE

ORISKANY BOULEVARD
(Village Street,
Variable Width)

face of curb

face of curb

face of curb

edge of gravel

edge of gravel

macadam driveway

macadam driveway

gravel driveway

porch

porch

deck

sewer drain

clean out

4" clay pipe

light pole

traffic signal box 1

unknown utility line

unknown underground utility line

possible water line

#136
Adirondack Bank
1 story
wood frame
building

#134
1 story block
building
Grooming by
Michele Lee

#3
1 1/2 story wood
frame house

MW–17
MW–11
MW–12
pvc cap is broken
SB–25
SVE–5
B–9NWMW–1
AS–1
SVE–4
SVE–3
SVE–2
SVE–1
SVE–6
MW–9
B–14NWMW–2
MW–22
B–8NWMW–4
MW–15
MW–7
MW–8
MW–2
B–19NWMW–3
MW–14
SB–20
MW–23
SB–11
SB–12
SB–29R
SB–29
SB–21
SB–22
SB–38
SB–14
MW–20
SB–27
SB–37
SB–13
SB–28R
SB–9
SB–28
MW–19
SB–15
SB–10
SB–30
SS–2
SB–16
SB–17
SS–5
MW–21
SB–34
SB–18
SB–23
SB–23R
SB–33
MW–16S
MW–16D
SB–32
SB–35
SB–31
SB–36
MW–18D
MW–18S
SB–26
MW–24
MW–26
SB–24
fire hydrant

LEGEND

- Catch Basin
- Underground Gas Line
- Underground Sanitary Line
- Underground Water Line
- Underground Electric Line
- Utility Pole with Overhead Wires
- Water Valve
- Gas Valve
- Utility Curb Box (Approximate Location)
- Monitoring Well
- Soil Boring
- Soil Surface

10 0 10 20

sanitary sewer manhole

MAP REFERENCE

"Lands of Joseph S. Bravo & Bonnie Bravo Owen Place & Oriskany Boulevard" by Delta Engineers, Architects & Land Surveyors, dated December 17, 2009.

Bench Mark
Bench Tie Set in Utility Pole
Elevation = 428.68' (NAVD 88)

NOTES

Underground facilities, structures and utilities shown on this drawing are from visible field observation and locations, and from record drawings. Locations are approximate only. UFPO shall be contacted a minimum of 48 hours prior to any underground excavation to verify the existence and location of any underground utilities.

Elevations shown are based on NAVD '88.

MW–25 is located North Easterly of the site on Parkway Drive, and not shown on this map.

STATE OF NEW YORK · SUSAN M. ANACKER · 050321 · LICENSED LAND SURVEYOR

ORIGINAL STAMPED IN RED INK

13–03
21–82

RAMBØLL

APPENDIX P
IDW DOCUMENTATION

Whitesboro Dry Cleaners
130-134 Oriskany Boulevard, Whitesboro, NY
Site No. 633054

WASTE DISPOSAL TRACKING FORM

ITEM NO.	AREA OF CONCERN	WASTE GENERATING ACTIVITY	TYPE OF WASTE MATERIAL	TEMPORARY STORAGE LOCATION	CONTAINER TYPE	ESTIMATED QUANTITY	DATE GENERATED	DATE PROFILED	DATE SAMPLED	DATE DISPOSED OF	DISPOSAL LOCATION	MANIFEST NUMBER	PROFILE NUMBER	DESCRIPTION OF WASTE AND/OR DISPOSAL COMMENTS
1	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	4/18/2013	8/5/2013	4/22/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478990	SD-1, MW-21 soils
2	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	4/18/2013	8/5/2013	4/22/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478990	SD-2, MW-20 soils
3	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	4/17/13 - 4/18/13	8/5/2013	4/22/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478990	SD-3, MW-19 soils
4	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	4/15/13 - 4/17/13	8/5/2013	4/22/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478990	SD-4, MW-16S and 17 soils
5	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	4/17/13 - 4/18/13	8/5/2013		8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478990	SD-5, MW-18S soils
6	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	4/22/13 - 4/23/13	8/5/2013		8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478990	SD-6, MW-18D soils
7	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	4/22/13 - 4/23/13	8/5/2013		8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478990	SD-7, MW-16D and 18D soils
8	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	4/18/13 - 4/19/13	8/5/2013	4/22/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478990	SD-8, MW-22 and 23 soils
9	~~NA~~	Drilling	Water	A-Verdi Container	55 Gallon Drum	55 gallons	4/15/13 - 4/23/13	8/5/2013	4/22/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478997	WD-1, Decon water
10	NA	Drilling	Water	A-Verdi Container	55 Gallon Drum	55 gallons	4/15/13 - 4/23/13	8/5/2013	4/22/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478997	WD-2, Decon water
11	NA	Drilling	Water	A-Verdi Container	55 Gallon Drum	55 gallons	4/25/13 - 5/1/13	8/5/2013		8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478997	WD-3, Decon water
12	NA	Development	Water	A-Verdi Container	55 Gallon Drum	55 gallons	4/25/13 - 5/1/13	8/5/2013	5/14/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478997	WD-4, Decon / Development water
13	NA	Development	Water	A-Verdi Container	55 Gallon Drum	55 gallons	4/25/13 - 5/14/13	8/5/2013	5/14/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478997	WD-5, Decon / Development water
14	NA	Development/ Sampling	Water	A-Verdi Container	55 Gallon Drum	55 gallons	5/8/2013	8/5/2013	5/14/2013	8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478997	WD-6, Decon / Development / Purge water (MW-16S,D)
15	NA	Sampling	Water	A-Verdi Container	55 Gallon Drum	40 gallons	5/8/13 - 5/14/13	8/5/2013		8/16/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345527	478997	WD-7, Purge water from MW-1, 3, 9, 14, 15, 17, 18S,D, 19, 20, 21, 22, 23
16	NA	Sampling	Water	A-Verdi Container	55 Gallon Drum	?	9/12/13 - 9/20/13	8/5/2013		12/19/2013	Veolia ES Technical Solutions West Carrollton, OH	ZZ00345841	478997	WD-7A, Decon / Purge water
17	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	40 gallons	11/21/2013	8/5/2013		12/19/2013	Veolia ES Technical Solution West Carrollton, OH	ZZ00344050	478990	SD-9, MW-24 soils
18	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	40 gallons	11/22/2013	8/5/2013		12/19/2013	Veolia ES Technical Solution West Carrollton, OH	ZZ00344050	478990	SD-10, MW-25 soils
19	NA	Development	Water	A-Verdi Container	55 Gallon Drum	30 gallons	12/3/2013	8/5/2013		12/19/2013	Veolia ES Technical Solution West Carrollton, OH	ZZ00344050	478997	WD-8, Decon water from MW-24 and 25
20	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	25 gallons	9/11/14-9/12/14	8/5/2013		10/21/2014	Veolia ES Technical Solution West Carrollton, OH	ZZ00344190	478990	SD-11 - MW-26, SB-23R, 28R, 29R, 31, 32, 33 soils
21	NA	Drilling/Development/Sampling	Water	A-Verdi Container	55 Gallon Drum	40 gallons	9/11/14-10/30/14	8/5/2013		10/21/2014	Veolia ES Technical Solution West Carrollton, OH	ZZ00344190	478997	WD-9 - Decon water, MW-26 development water, and MW-26 purge water.
22	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	7/21/21-7/22/21	12/1/2022	7/22/2021	12/21/2022	Veolia ES Technical Solution West Carrollton, OH	ZZ01029412	1065671	SB-34, SB-35, SB-36,SB-37, SB-38, SB-39. SB-40, and SB-41 soils
23	NA	Drilling	Soil	A-Verdi Container	55 Gallon Drum	55 gallons	3/1/21 - 11/22/22	12/1/2022	7/22/2021	12/21/2022	Veolia ES Technical Solution West Carrollton, OH	ZZ01029412	1065671	SB-34, SB-35, SB-36,SB-37, SB-38, SB-39. SB-40, and SB-41 soils
24	NA	Development/Sampling	Water	A-Verdi Container	55 Gallon Drum	55 gallons	3/1/21 - 11/22/22	11/29/2022	3/14/2013	12/23/2022	Veolia ES Technical Solution West Carrollton, OH	001565443VES	1065673	Purge water/Decon Water 2021, 2022 Groundwater Sampling Event
25	NA	Development/Sampling	Water	A-Verdi Container	55 Gallon Drum	55 gallons	3/1/21 - 11/22/22	11/29/2022	3/14/2013	12/23/2022	Veolia ES Technical Solution West Carrollton, OH	001565443VES	1065673	Purge water/Decon Water 2021 Groundwater Sampling Event
26	NA	Development/Sampling	Water	A-Verdi Container	55 Gallon Drum	55 gallons	3/1/21 - 11/22/22	11/29/2022	3/14/2013	12/23/2022	Veolia ES Technical Solution West Carrollton, OH	001565443VES	1065673	Purge water/Decon Water 2021 Groundwater Sampling Event

Note:

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	NYCESQG	1	(877) 818-0087	ZZ 00345527

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
130 ORISKANY BOULEVARD
WHITESBORO, NY 13492
Generator's Phone: 315 956-6345

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: NJD080631369

7. Transporter 2 Company Name
HAZMAT ENVIRONMENTAL GROUP INC
U.S. EPA ID Number: NYD980769947

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
4301 INFIRMARY ROAD
WEST CARROLLTON, OH 45449
Facility's Phone: 937 859-6101
U.S. EPA ID Number: OHD093045203

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (IMPACTED WATER)	17	DM	2800 ~~2200~~	P	NONE / E
	2. NON-REGULATED MATERIAL PER 40 & 49 CFR (IMPACTED SOIL)	8	DM	5200	P	NONE / L
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS -|- **VEOLIA PERMIT# NJ-410**NEED CERT OF DISPOSAL** -|- 1) W:478997 A:SRRNEUTRAL-NH 2) W:478990 A:SRRLFSOLID-NH

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Jason Newton as agent for NYSDEC
Signature: [signature] as agent for NYSDEC
Month: 08 Day: 16 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: WARREN SAVAGE
Signature: [signature]
Month: 08 Day: 16 Year: 13

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

PACKING SUMMARY

Generator Number: 601844
NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
WHITESBORO, NY 13492
Attn: SCOTT TUCKER (OBRIEN & GERE)
EPA ID:NYCESQG

Manifest Number: ZZ00345527
Field System ID: YG
Work Order Number: 1850552000
Date Shipped: 08/16/2013

Container#: YG-1850552000-002 Waste Area: Manifest Page/Line: 01 / 1

WIP: 478997 DisposalCode: SRRNEUTRAL-NH PHY State: L

Date Accumulated: 08/11/2013 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL PER 40 & 49 CFR, (IMPACTED WATER)

No. of Commons: 07 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: NONE,R PCB Serial #: OOS Date: / /

Total Cmns Wt: ~~8200~~ 2800 SIC: 9511 Source: G19 Form: W101 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 400, 400, 400, 400, 400, 400, 400, [illegible] (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		WATER [100%]	NONE, R

Container#: YG-1850552000-001 Waste Area: Manifest Page/Line: 01 / 2

WIP: 478990 DisposalCode: SRRLFSOLID-NH PHY State: S

Date Accumulated: 08/15/2013 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL PER 40 & 49 CFR, (IMPACTED SOIL)

No. of Commons: 08 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: NONE,L PCB Serial #: OOS Date: / /

Total Cmns Wt: 5200 SIC: 9511 Source: G19 Form: W301 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 650, 650, 650, 650, 650, 650, 650, 650 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		SOIL [100%]	NONE, L

FORM# VES-6

VEOLIA
ENVIRONMENTAL SERVICES

Activity Report

JOB NO: 1850552000 WO NO: 1850552000
BILL DOC NO YG30811532
GENERATOR NO 601844 EPA ID: NYCESQG

BILL TO: O'BRIEN & GERE ENGINEERS,INC.
333 W. WASHINGTON STREET
P.O. BOX 4873
SYRACUSE, NY 13202
(315) 956-6345

JOB SITE: NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
130 ORISKANY BOULEVARD
WHITESBORO, NY 13492
(315) 956-6345

CONTACT: SCOTT TUCKER

CONTACT: SCOTT TUCKER (OBRIEN & GERE)

MANIFEST NUMBER(S):
ZZ00345527

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		08/15/2013	NY2

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # ZZ00345527 WP 478990 / Approval SRRLFSOLID-NH IMPACTED SOIL	8	551A2-DM	5200	P	1 / 2	
Manifest # ZZ00345527 WP 478997 / Approval SRRNEUTRAL-NH IMPACTED WATER	17	551A2-DM	2800 ~~3200~~	P	1 / 1	
08/15/2013 Manpwr.- MATERIAL PICK-UP CHARGE		989	1@1	EACH		
08/15/2013 Misc. - STATE REGULATORY FEES		4419	1	EACH		
08/15/2013 Misc. - ENERGY & SECURITY SURCHARGE		3129	17	PERCNT		

Total Hours: 0
of Containers: 16
Total Pounds: 8400

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

FORM# VES-6

VEOLIA
ENVIRONMENTAL SERVICES

Activity Report

JOB NO: 1850552000 WO NO: 1850552000
BILL DOC NO YG30811532
GENERATOR NO 601844 EPA ID: NYCESQG

BILL TO: O'BRIEN & GERE ENGINEERS,INC.
333 W. WASHINGTON STREET
P.O. BOX 4873
SYRACUSE, NY 13202
(315) 956-6345

CONTACT: SCOTT TUCKER

JOB SITE: NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
130 ORISKANY BOULEVARD
WHITESBORO, NY 13492
(315) 956-6345

CONTACT: SCOTT TUCKER (OBRIEN & GERE)

MANIFEST NUMBER(S):
ZZ00345527

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		08/15/2013	NY2

Comments:

Signature: X [signature] as agent for NYSDEC

Print Name: X Jason Newton as agent for NYSDEC

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

FORM# VES-6

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	NYCKSQG	1	(877) 818-0067	ZZ 00345841

5. Generator's Name and Mailing Address
NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
130 ORISKANY BOULEVARD
WHITESBORO, NY 13492
Generator's Phone: 315 956-6345

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: NJD986631369

7. Transporter 2 Company Name
HAZMAT ENVIRONMENTAL GROUP INC
U.S. EPA ID Number: NYD986769947

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
4301 INFIRMARY ROAD
WEST CARROLLTON, OH 45449
Facility's Phone: 937 859-6101
U.S. EPA ID Number: OHD093945293

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (IMPACTED WATER)	1	DM	300	P	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS + **VEOLIA PERMIT# NJ-410**NEED CERT OF DISPOSAL** + 1) W478997 A:SRRNEUTRAL-NJ

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: [illegible] Signature: [signature] Month: 10 Day: 17 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: WARREN SAVAGE Signature: [signature] Month: 10 Day: 17 Year: 13

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name: Signature: Month: Day: Year:

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA ENVIRONMENTAL SERVICES

Activity Report

JOB NO: 1882445000 WO NO: 1882445000
BILL DOC NO YG30100704
GENERATOR NO 601844 EPA ID: NYCESQG

BILL TO: O'BRIEN & GERE ENGINEERS,INC.
333 W. WASHINGTON STREET
P.O. BOX 4873
SYRACUSE, NY 13202
(315) 956-6345

JOB SITE: NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
130 ORISKANY BOULEVARD
WHITESBORO, NY 13492
(315) 956-6345

CONTACT: SCOTT TUCKER

CONTACT: SCOTT TUCKER (OBRIEN & GERE)

MANIFEST NUMBER(S):
ZZ00345841

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		10/09/2013	NY2

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # ZZ00345841 WP 478997 / Approval SRRNEUTRAL-NH IMPACTED WATER	1	551A2-DM	300	P	1/ 1	
10/09/2013 Manpwr.- MATERIAL PICK-UP CHARGE		989	1@1	EACH		
10/09/2013 Misc. - STATE REGULATORY FEES		4419	1	EACH		
10/09/2013 Misc. - ENERGY & SECURITY SURCHARGE		3129	17	PERCNT		

Total Hours: 0

Comments:

Signature: [signature]

Print Name: Scott Tucker on behalf of NYSDEC

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

FORM# VES-6

VEOLIA ENVIRONMENTAL SERVICES

PACKING SUMMARY

Generator Number: 601844
NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
WHITESBORO, NY 13492
Attn: SCOTT TUCKER (OBRIEN & GERE)
EPA ID:NYCESQG

Manifest Number: ZZ00345841
Field System ID: YG
Work Order Number: 1882445000
Date Shipped: 10/09/2013

Container#: YG-1882445000-002 Waste Area: Manifest Page/Line: 01 / 1

WMP: 478997 DisposalCode: SRRNEUTRAL-NH PHY State: L

Date Accumulated: 10/09/2013 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL PER 40 & 49 CFR, (IMPACTED WATER)

No. of Commons: 04 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: NONE,R PCB Serial #: OOS Date: / /

Total Cmns Wt: 1600 1200 SIC: 9511 Source: G19 Form: W101 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 400, 400, 400, 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
4	55 GAL.		WATER [100%]	NONE, R

FORM# VES-6

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT

1. Generator ID Number: NYCESQG
2. Page 1 of: 2
3. Emergency Response Phone: (877) 816-0087
4. Shipping Document Tracking Number: ZZ 00344050

GENERATOR

5. Generator's Name and Mailing Address:
NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
130 ORISKANY BOULEVARD
WHITESBORO, NY 13492
Generator's Phone: 315 956-6345

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: US ENVIRONMENTAL, INC
U.S. EPA ID Number: PAR000524041

7. Transporter 2 Company Name: VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: NJD080631369

8. Designated Facility Name and Site Address:
VEOLIA ES TECHNICAL SOLUTIONS
4301 INFIRMARY ROAD
WEST CARROLLTON, OH 45449
Facility's Phone: 937 859-6101
U.S. EPA ID Number: OHD093945293

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON-REGULATED MATERIAL PER 40 & 49 CFR (IMPACTED WATER)	1	DM	400	P	NONE R
	2. NON-REGULATED MATERIAL PER 40 & 49 CFR (IMPACTED SOIL)	2	DM	1300	P	NONE L
	3.					
	4.					

14. Special Handling Instructions and Additional Information: ER Service Contracted by VESTS + **VEOLIA PERMIT# NJ-410**NEED CERT OF DISPOSAL** + 1) W-478997 A-SRRNEUTRAL-NH 2) W-478990 A-SRRLFSOLID-NH

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Jason Hanson as agent for NYSDEC
Signature: Jason Hanson as agent for NYSDEC
Month / Day / Year: 12 / 19 / 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: SEAN HANNES
Signature:
Month / Day / Year: 12 / 19 / 13

Transporter 2 Printed/Typed Name:
Signature:
Month / Day / Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month / Day / Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name:
Signature:
Month / Day / Year:

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT (Continuation Sheet)	21. Generator ID Number	22. Page	23. Shipping Document Tracking Number
	NYCESQG	2 of 2	ZZ00344050

24. Generator's Name: NYSDEC-WHITESBORO DRY CLEANERS

25. Transporter 3 Company Name: FREEHOLD CARTAGE INC — U.S. EPA ID Number: NJD054126164

26. Transporter _____ Company Name — U.S. EPA ID Number:

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Codes

32. Special Handling Instructions and Additional Information: FOR ADDITIONAL TRANSPORTATION INFORMATION ONLY

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Shipment
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Shipment
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT

1. Generator ID Number: NYCESQG
2. Page 1 of: 2
3. Emergency Response Phone: (877) 818-0087
4. Shipping Document Tracking Number: ZZ 00344190

GENERATOR

5. Generator's Name and Mailing Address:
O'BRIEN & GERE ENGINEERS, INC.
333 W. WASHINGTON STREET
P.O. BOX 4873
SYRACUSE, NY 13202
Generator's Phone: 315 956-6345

Generator's Site Address (if different than mailing address):
NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
130 ORISKANY BOULEVARD
WHITESBORO, NY 13492

6. Transporter 1 Company Name: US ENVIRONMENTAL, INC.
U.S. EPA ID Number: P A R 0 0 0 5 2 4 0 4 1

7. Transporter 2 Company Name: VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: N J D 0 8 0 6 3 1 3 6 9

8. Designated Facility Name and Site Address:
VEOLIA ES TECHNICAL SOLUTIONS
4301 INFIRMARY ROAD
WEST CARROLLTON, OH 45449
Facility's Phone: 937 859-6101
U.S. EPA ID Number: O H D 0 9 3 9 4 5 2 9 3

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON-REGULATED MATERIAL PER 40 & 49 CFR (IMPACTED WATER)	1	DM	00400	P	NONE / R
	2. NON-REGULATED MATERIAL PER 40 & 49 CFR (IMPACTED SOIL)	1	DM	00430	P	NONE / L
	3.					
	4.					

14. Special Handling Instructions and Additional Information:
ER Service Contracted by VESTS + **VEOLIA NYS TRANS PERMIT# NJ-410**NEED CERT OF DISPOSAL** + 1) W-478997 A-SRRNEUTRAL-NH 2) W-478990 A-SRRLFSOLID-NH

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Jason Kreuter as agent for NYSDEC
Signature: [signature] as agent for NYSDEC
Month: 10 Day: 01 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: ~~Bruce Bruckner~~ (SW) Sean Hannes
Signature: [signature]
Month: 10 Day: 01 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT (Continuation Sheet)	21. Generator ID Number	22. Page	23. Shipping Document Tracking Number
	NYCESQG	2 of 2	ZZ00344190

24. Generator's Name NYSDEC-WHITESBORO DRY CLEANERS

25. Transporter 3 Company Name FREEHOLD CARTAGE INC — U.S. EPA ID Number NJD054126164

26. Transporter _____ Company Name — U.S. EPA ID Number

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Codes

32. Special Handling Instructions and Additional Information FOR ADDITIONAL TRANSPORTATION INFORMATION ONLY

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Shipment

Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Shipment

Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

PACKING SUMMARY

Generator Number: 601844
NYSDEC-WHITESBORO DRY CLEANERS
SITE #033054
WHITESBORO, NY 13492
Attn: SCOTT TUCKER (OBRIEN & GERE)
EPA ID:NYCESQG

Manifest Number: ZZ00344190
Field System ID: HA
Work Order Number: 2069914000
Date Shipped: 10/01/2014

Container#: HA-2069914000-002 Waste Area: Manifest Page/Line: 01 / 1

WP: 478997 DisposalCode: SRRNEUTRAL-NH PHY State: L

Date Accumulated: 10/01/2014 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL PER 40 & 49 CFR (Saperna Learn)

No. of Commons: 01 Outer Container: 551A1-DM Inner Container:

Primary Waste Codes: NONE,R PCB Serial #: OOS Date: / /

Total Cmns Wt: 400 SIC: 9511 Source: G19 Form: W101 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 1 @ 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		WATER [100%]	NONE, R

Container#: HA-2069914000-001 Waste Area: Manifest Page/Line: 01 / 2

WP: 478990 DisposalCode: SRRLFSOLID-NH PHY State: S

Date Accumulated: 10/01/2014 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL PER 40 & 49 CFR (Saperna Soil)

No. of Commons: 01 Outer Container: 551A2-DM Inner Container:

Primary Waste Codes: NONE,L PCB Serial #: OOS Date: / /

Total Cmns Wt: 400 SIC: 9511 Source: G19 Form: W301 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 1 @ 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		SOIL [100%]	NONE, L

FORM# VES-6

VEOLIA
ENVIRONMENTAL SERVICES

Activity Report

JOB NO: 2069914000 WO NO: 2069914000
BILL DOC NO HA40918704
GENERATOR NO 601844 EPA ID: NYCESQG

BILL TO: O'BRIEN & GERE ENGINEERS,INC.
333 W. WASHINGTON STREET
P.O. BOX 4873
SYRACUSE, NY 13202
(315) 956-6345

JOB SITE: NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
130 ORISKANY BOULEVARD
WHITESBORO, NY 13492
(315) 956-6345

CONTACT: SCOTT TUCKER

CONTACT: SCOTT TUCKER (OBRIEN & GERE)

MANIFEST NUMBER(S):
ZZ00344190

10/1/14

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		10/01/2014	NY2

DESCRIPTION	# CONT.	CONT.CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # ZZ00344190 WP 478980 / Approval SRRLFSOLID-NH IMPACTED SOIL	1	551A2-DM	20	P	1 / 2	
Manifest # ZZ00344190 WP 478997 / Approval SRRNEUTRAL-NH IMPACTED WATER	1	551A1-DM	20	P	1 / 1	
10/01/2014 Manpwr.- MATERIAL PICK-UP CHARGE		989	1@1	EACH		
10/01/2014 Misc. - ENERGY & SECURITY SURCHARGE		3129	11	PERCNT		
10/01/2014 Misc. - FACILITY STORAGE & HANDLING FEE		1441	1	EACH		

Total Hours: 0
of Containers: 2

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

FORM# VES-6

VEOLIA
ENVIRONMENTAL SERVICES

Activity Report

JOB NO: 2069914000 WO NO: 2069914000
BILL DOC NO HA40918704
GENERATOR NO 601844 EPA ID: NYCESQG

BILL TO: O'BRIEN & GERE ENGINEERS,INC.
333 W. WASHINGTON STREET
P.O. BOX 4873
SYRACUSE, NY 13202
(315) 956-6345

CONTACT: SCOTT TUCKER

JOB SITE: NYSDEC-WHITESBORO DRY CLEANERS
SITE #633054
130 ORISKANY BOULEVARD
WHITESBORO, NY 13492
(315) 956-6345

CONTACT: SCOTT TUCKER (OBRIEN & GERE)

MANIFEST NUMBER(S):
220034190

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		10/01/2014	NY2

Comments:

Signature: _____

Print Name: Jason Newton

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

FORM# VES-6

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	NYCESQG	1	(877) 812-0087	ZZ01029412

5. Generator's Name and Mailing Address
NYSDEC WHITESBORO DRY CLEANER
30 ORISKANY BOULEVARD SITE# 633054
WHITESBORO, NY 13492
Generator's Phone: 315 391-0756

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS — U.S. EPA ID Number: NJD080631369

7. Transporter 2 Company Name: REEHOLD CARTAGE INC — U.S. EPA ID Number: NJD054126164

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS, L.L.C.
4301 INFIRMARY ROAD
WEST CARROLLTON, OH 45449
Facility's Phone: 937 859-6101
U.S. EPA ID Number: OHD093945293

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON-REGULATED MATERIAL PER 40 & 49 CFR, (SOIL)	2	DM	450	P	NONE / L
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: BK Service Contracted by VESTS + NRED C.O.D.'s + Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf. + 1)
W:1065671 A:SREELSOLID-131

15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Dana Foster for NYS Luis Lewis Dept. Environmental Conservation — Signature: [signature] — Month: 12 — Day: 14 — Year: 22

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Shipment
Transporter 1 Printed/Typed Name: OWEN MOSS — Signature: [signature] — Month: 12 — Day: 14 — Year: 22
Transporter 2 Printed/Typed Name: David Wanick — Signature: [signature] — Month: 12 — Day: 21 — Year: 22

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Shipping Document Tracking Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month — Day — Year
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)
1. H141 | 2. | 3. | 4.
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a
Printed/Typed Name: Anthony Blankenship — Signature: [signature] — Month: 12 — Day: 22 — Year: 22

DESIGNATED FACILITY'S COPY

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYCESQG	1	(877) 818-0087	001565443 VES

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC WHITESBORO DRY CLEANER
130 ORISKANY BOULEVARD SITE# 633054
WHITESBORO, NY 13492
Generator's Phone: 315 391-0756

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: NJD080631369

7. Transporter 2 Company Name
FREEHOLD CARTAGE INC
U.S. EPA ID Number: NJD054126164

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS L.L.C.
125 FACTORY LANE
MIDDLESEX, NJ 08846
Facility's Phone: 732 469-5100
U.S. EPA ID Number: NJD002454544

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082, HAZARDOUS WASTE, LIQUID, n.o.s., (TRICHLOROETHENE), 9, III	3	DM	1200	P	D039 B		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS + NEED C.O.D.'s + Contract retained by generator confirm agency authority on initial transporter to add or substitute additional transporters on generator's behalf + 1)
ERG:171 W:1065673 A:MARCSWFUEL

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: As an agent of Lucas Reggett NYS Dept. Environmental Conservation
Signature:
Month: 12 Day: 14 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: OWEN MOSS
Signature:
Month: 12 Day: 14 Year: 22

Transporter 2 Printed/Typed Name: Brian Kohr
Signature:
Month: 12 Day: 23 Year: 22

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H061			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: 12 Day: 27 Year: 22

APPENDIX Q
HISTORICAL VI SAMPLE RESULTS

Location	Analyte	OA1	OA2		Subslab	Subslab dilution	Subslab duplicate	Indoor Air	Indoor Air Dilution	Indoor Air Dup	Crawl Space
Financial Planner's Office	Ethanol	3.1	3.9			<13000		16			
	trichlorofluoromethane	1.4	1.4			<3800		<4.5			
	n-Hexane	0.91	0.95			<6000		<7			
	Benzene	1.6	1.3			<2200		<2.6			
	Tetrachloroethene	1.5	<0.54			**200000**		**1300 E**	**920**		
	Toluene	1.9	2			<2500		3.2			
	trichloroethene	<0.21	<0.21			<1800		**7.2**			
	1,2,4-tmb	<0.39	<0.39			<3300		<3.9			
	m&p-xylene	0.67	1.1			<2900		<3.5			
	2-butanone (mek)	<0.94	3.4			<8000		<9.4			
	carbon tetrachlorode	0.61	0.63			<2100		<2.5			
	chloroform	<0.39	<0.39			<3300		<3.9			
	chloromethane	1.4	1.3			<3500		<4.1			
	dichlorodifluoromethane	2.8	2.7			<3300		<4.0			
	cis-1,2-dichloroethene	<0.32	<0.32			<2700		4.7			
	Dilution Factor					8452.8 D		10 D	25 D		
Dog Groomer's	Ethanol	3.1	3.9		27			350			
	trichlorofluoromethane	1.4	1.4		1.4			1.3			
	n-Hexane	0.91	0.95		< 1.4			1.5			
	Benzene	1.6	1.3		0.89			1.1			
	Tetrachloroethene	1.5	<0.54		**1200 E**	**1300**		**920 E**	**810**		
	Toluene	1.9	2		2.1			3.1			
	trichloroethene	<0.21	<0.21		**12**			**7.6**			
	1,2,4-tmb	<0.39	<0.39		2.3			1.6			
	m&p-xylene	0.67	1.1		1.1			0.77			
	2-butanone (mek)	<0.94	3.4		2.2			< 1.9			
	carbon tetrachlorode	**0.61**	**0.63**		**0.68**			**0.82**			
	chloroform	<0.39	<0.39		9.1			8.1			
	chloromethane	1.4	1.3		< 0.83			1.1			
	dichlorodifluoromethane	2.8	2.7		2.7			2.4			
	cis-1,2-dichloroethene	<0.32	<0.32		4.4			6.4			
	Dilution Factor				2 D	50 D		2 D	25 D		
	Dilution Factor			(3/30/11)	2.5 D	2 (3/30/11)		6.25 D		(3/30/11)	
On-site Residence	Ethanol	3.1	3.9			<260	<290		180	190	
	trichlorofluoromethane	1.4	1.4			<78	<86		1.8	1.6	
	n-Hexane	0.91	0.95			<120	<140		1.8	1.8	
	Benzene	1.6	1.3			<44	<49		1.7	1.7	
	Tetrachloroethene	1.5	<0.54			**12000**	**7300**		**170**	**160**	
	Toluene	1.9	2			<52	<58		3.1	3.1	
	trichloroethene	<0.21	<0.21			**460**	**360**		**3.3**	**3.1**	
	1,2,4-tmb	<0.39	<0.39			<68	<76				
	m&p-xylene	0.67	1.1			<60	<67		0.9	0.98	
	2-butanone (mek)	<0.94	3.4			<160	<180		2.3	2	
	carbon tetrachlorode	0.61	0.63			<44	<48		**0.61**	**0.61**	
	chloroform	<0.39	<0.39			150	110		14	15	
	chloromethane	1.4	1.3			<72	<79		2	1.8	
	dichlorodifluoromethane	2.8	2.7			<69	<76		3	2.9	
	cis-1,2-dichloroethene	<0.32	<0.32			**900**	**720**		1.8	1.6	
	trans-1,2-dichloroethene	<0.32	<0.32			**210**	**170**		< 0.63	< 0.63	
	Dilution Factor					173.64 D	192.3 D		2 D	2 D	

Notes:

Data presented as received from NYSDOH. Collected, analyzed, and tabulated by others.

APPENDIX R
FISH AND WILDLIFE RESOURCE IMPACT ANALYSIS (FWRIA) REPORT

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1. INTRODUCTION

This report presents the Fish and Wildlife Resources Impact Analysis (FWRIA) report was prepared by O'Brien & Gere Engineers, Inc, (O'Brien & Gere) on behalf of the New York State Department of Environmental Conservation (NYSDEC) for the Whitesboro Dry Cleaners Site (Site). The Site is located at 130-134 Oriskany Boulevard Village of Whitesboro, Oneida County, New York. The FWRIA was conducted for the Site under Work Authorization D007623-06. The FWRIA was conducted as part of the Site Remedial Investigation.

The FWRIA was performed in accordance with NYSDEC DER-10 entitled *Technical Guidance for Site Investigation and Remediation* (DER-10) Section 3.10.1 (NYSDEC 2010) and the NYSDEC's *Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (FWIA)* guidance document (NYSDEC 1994). Specifically, this report presents the results of Part 1- Resource Characterization NYSDEC's DER-10 (Section 3.10.1) and Step IIB (Contaminant-Specific Impact Analysis) of the FWIA guidance (NYSDEC 1994). The objective of Part 1 – Resource Characterization is to describe the Site and study area in terms of topography, vegetative covertypes, drainage, fish and wildlife resources and value, and to identify actual or potential impacts to the identified fish and wildlife resources from potential exposure to Site-related constituents.

1.1 REPORT ORGANIZATION

This FWRIA Report contains the following additional sections:

Section 2 - Site Description. This section presents a conceptual model of the Site, a description of the natural communities of the Site and vicinity and identifies potential ecological receptors. This section also discusses resources other than wildlife that exist in the Site vicinity, such as documented significant habitats, rare, threatened, or endangered species, surface waters, and freshwater wetlands.

Section 3 – Contaminant-Specific Impact Analysis. This section presents an analysis of Site-related constituents and potential pathways of contaminant migration to potential ecological receptors at or in the vicinity of the Site. In this analysis, Site-specific contaminant levels that have been established for specific media are compared to numerical criteria to assess the potential ecological impacts.

Section 4 – Conclusions. This section presents the assessment conclusions and recommendations for further study based on the findings of the FWRIA.

Section 5 – References. This section provides citations for the literature and information sources used in completion of this report.

Tables, figures, and appendices are included to provide information that supports the FWRIA.

2. SITE AND STUDY AREA DESCRIPTION

This section provides descriptions of the physical and biological components of the Site and study area. The objective of FWRIA Part I is to identify the natural resources and ecological covertypes of the study area, associate wildlife species with the covertypes, and evaluate the ability of the covertypes to provide the habitat components required by the identified wildlife species.

For the purposes of this FWRIA, the study area is defined as the Site and areas surrounding the Site within a one-half mile radius of the Site perimeter. Ecological covertypes (vegetative communities) present within the one-half mile radius are described herein. Also, major natural resources that exist within a two-mile radius of the Site are described. Major natural resources include, but are not limited to, regulated wetlands, streams, lakes endangered species habitat and/or rare natural communities.

2.1 SITE DESCRIPTION

The Whitesboro Dry Cleaners Site is located at 130-134 Oriskany Boulevard Village of Whitesboro, Oneida County, New York (**Figure 1**). The Site is zoned for general commercial use and is approximately 0.21 acres in size and comprises of a commercial building and a residential building (tax parcel ID 305.014-2-33). The commercial building, approximately 3,300 square feet in area, has three tenant spaces. A small residence, approximately 1,100 square feet, is located on the southeast corner of the Site.

The commercial building reportedly operated as a dry cleaning operation until the early 1990's (Mokry 2010). The majority of the Site consists of developed area including a commercial building that has three tenant spaces, and a small residence is located on the southeast corner of the Site. The Site is relatively flat with a small parking area located between the commercial building and Oriskany Boulevard as well as a larger parking area between the commercial building and Owens Place. Non-developed portions of the Site consist of a small mowed lawn, a landscaped area on the northern end of the Site, and a small mowed lawn area between the residence and Owens Place.

The area surrounding the Site is generally characterized as mixed residential and commercial use. Nearby property uses are as follows:

- Adirondack Bank and Clinton Street to the north;
- Mixed commercial and residential to the south;
- Owens Place and residential buildings to the east; and
- Oriskany Boulevard and commercial buildings to the west.

2.1.1 Topography and Drainage

The area around the Site is primarily flat but does slope slightly to the northeast. The Adirondack Bank property to the north sits on a mound approximately 2-feet above the Site. As indicated on **Figure 2**, surface water bodies are not located at the Site. The majority of the site is gravel, paved, or covered by buildings and surface drainage from the Site flows east to Owens Place and west to Oriskany Boulevard where it is collected in the storm sewer system and then flows southeast to Sauquoit Creek located within one-half mile of the Site.

Groundwater is present in the overburden at approximately 6-feet to 10-feet below ground surface. Groundwater at the Site generally flows from west to east in the direction of the Mohawk River (approximately 1 mile northeast of the Site). A contour map of the groundwater elevations are presented in **Figure 2**.

2.1.2 Conceptual Site Model

A conceptual site model (CSM) was developed for the Site based on qualitative and quantitative investigation results obtained from O'Brien & Gere's Remedial Investigation sampling activities. Historic use of the Site as a dry cleaning facility has resulted in contamination of the Site from chlorinated volatile organic compounds (CVOCs) commonly used in the dry cleaning process. Surface soil and subsurface soil sampling, groundwater sampling, and vapor intrusion sampling activities were utilized to characterize the nature and extent of impacts

of CVOCs. Constituents identified as Site constituents of concern (COCs) include chloroform, tetrachloroethene (PCE) and PCE degradation products: cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), trichloroethylene (TCE), and vinyl chloride (VC).

Historic activities at the Site have resulted soil and overburden groundwater impacted with Site COCs. Soil exceeding SCOs are present beneath the parking lot and between the on-Site residence and on-site commercial building.

Groundwater flow in the overburden is radial with mounding at the Adirondack Bank property. Groundwater flows outward from the Adirondack Bank property across the Site with flow components to the east, south, southeast, southwest of Adirondack Bank. Groundwater exceeding Class GA standards are present beneath the site and at the western, northern and southern Site boundaries. While there is a potential for migration of CVOC s in groundwater off-Site, it is unlikely that COCs have the potential to migrate to the Mohawk River or the Sauquoit Creek.

2.2 DESCRIPTION OF FISH AND WILDLIFE RESOURCES

Consistent with the FWRIA guidance (NYSDEC 2010 and 1994), fish and wildlife resources have been identified in the vicinity of the Site. Major vegetative communities (covertypes) have been identified on and within a one-half mile radius of the Site, defined as the "study area" (**Figure 3**), and major documented natural resources have been identified within a two-mile radius of the Site (**Figure 4**). The identified covertypes and fish and wildlife resources are described in the following sections.

2.2.1 Study Area Vegetative Covertypes

Vegetative covertypes present on and within a one-half mile radius of the Site (study area) were identified during field investigatory activities conducted on July 24, 2013 and from available aerial photographs of the Site area (see **Figure 3**). A covertype is defined as an area characterized by a distinct pattern of natural or cultural land use (Edinger *et al.* 2002). Covertype designations were applied to the study area based primarily on the dominant vegetation observed during field investigatory activities. Covertype designations follow the ecological community descriptions presented in the New York Natural Heritage Program (NYNHP) document *Draft Ecological Communities of New York State, Second Edition* (Edinger *et al.* 2002). A description of each identified covertype, below, includes a list of the dominant woody and herbaceous plant species that were observed. Not all areas within the study area were accessible for direct observation during the study area investigation due to access restrictions (*e.g.,* fencing, elevated roadways, and limited public access).

The study area covertypes identified on **Figure 3** consist of *natural* and *cultural* terrestrial, wetland, and aquatic communities. The "cultural" designation reflects the extent of human disturbance to the study area for land uses such as residences, parks, roadways, and industrial areas. The identified covertypes have a secure global and state ranking, meaning they are not rare ecological communities requiring preservation (Edinger *et al.* 2002). Below are descriptions of the covertypes identified within the study area.

2.2.2 Study Area Terrestrial Covertypes

The majority of the upland ecological communities in the vicinity of the Site are considered *terrestrial cultural* covertypes, as described in Edinger *et al.* (2002). Residential and commercial development has eliminated much of the natural habitat in the area and has replaced it with urban wildlife habitats consisting primarily of mowed lawns, paved roads, parking lots, and urban structure exteriors. The *urban structure exterior* and *rural structure exterior* covertypes are characterized by the exterior surfaces of structures such as commercial buildings, residences, and bridges in an urban or densely and sparsely populated suburban area (Edinger *et al.* 2002). These covertypes are present primarily at the Site and the areas surrounding the Site. This covertype is associated with sub-communities typical of the *paved* and *unpaved road/path*, and *mowed lawn with trees* covertypes. Included in this covertype are paved parking lots. These areas are considered *cultural* covertypes by Edinger *et al.* (2002) since they provide habitat for urban wildlife. Some *natural* covertypes also exist in the study area. The covertype of the Site and other terrestrial covertypes of the study area are described below.

Whitesboro Dry Cleaners Site

The western portion of the Site consists of the *urban structure exterior* covertype (paved roads and commercial buildings). The northern portion of the Site contains a small open grass area with some landscaped shrubbery associated with the commercial building. The eastern extent of the Site contains another small open area of grass (lawn) adjacent to the residence on the Site. Paved parking lots with some gravel areas are located on the western and eastern portions of the Site. The grass areas are routinely mowed, qualifying them as the *mowed lawn with trees* cultural ecological community.

Off-Site Study Area

Successional Northern Hardwoods
Five forested areas were observed on the northeast, northwest and western portions of the study area (all within 2,100 feet (ft) of the Site). These areas contain a mixture of hardwood tree species and are classified as a *successional northern hardwoods* covertype (**Figure 3**). Dominant canopy typically observed for this covertype consist of red maple (*Acer rubrum*), ashes (*Fraxinus pensylvanica* and *F. americana*), birches (*Betula papyrifera* and *B. populifolia*), black cherry (*Prunus serotina*), aspens (*Populus tremuloides* and *P. grandifolia*), dogwoods (*Cornus* spp.), and staghorn sumac (*Rhus typhina*) (Edinger *et al.* 2002).

Successional Oldfield/Shrubland
This covertype is a combination of *successional oldfield* and *successional shrubland* located in one location within the study area approximately 1,200 ft southeast of the Site (**Figure 3**). From observations made at a distance, this area appeared to consist of a mix of herbaceous, shrub, and immature (*i.e.,* height less than 20-ft) tree species; however, access to this area was not feasible during the study area reconnaissance in July 2013 to identify specific vegetative species. These covertypes are commonly dominated by herbaceous species including goldenrods (*Solidago* spp.), asters, (*Symphyotrichum* spp.), Queen-Anne's Lace (*Daucus carota*) and various grasses. Common dominant small tree and shrub species include dogwoods, eastern red cedar (*Juniperus virginiana*), staghorn sumac, and multiflora rose (*Rosa multiflora*) (Edinger *et al.* 2002).

Urban and Rural Structure Exterior, Paved and Unpaved Road/Path, and Mowed Lawn with Trees
A majority of the study area is represented by a combination of the *urban structure exterior* and *rural structure exterior* cultural covertypes which are characterized by the exterior surfaces of structures such as commercial buildings, residences, and bridges in an urban or densely and sparsely populated suburban area (Edinger *et al.* 2002). This covertype is associated with sub-communities typical of the *paved* and *unpaved road/path*, and *mowed lawn with trees* covertypes. Included in this covertype are paved parking lots.

Mowed Lawn with Trees and Paved and Unpaved Road/Path
The Grand View Cemetery is located approximately 600 ft northwest of the Site and consists primarily of *mowed lawn with trees* covertype with a few trees (**Figure 3**). Similar to the Site covertype, grass areas at the park are likely routinely mowed and paved and unpaved roadways, paths and parking areas are also present. Tree species present within the cemetery are similar to those species found in nearby *successional northern hardwood forest* habitats such as red maple, green ash, eastern cottonwood and dogwoods, and staghorn sumac.

Railroad
The CSX Railroad tracks were observed within the northeastern portion of the study area approximately 1,500 ft from the Site. This railroad line is presently active, and most of the line located within the study area is fenced prohibiting public access onto the tracks.

2.2.3 Study Area Aquatic and Palustrine Covertypes

Aquatic and palustrine (wetland) covertypes identified in the study area are described in this section. No aquatic or palustrine covertypes are present at the Site.

Off-Site Study Area

Confined river

Sauquoit Creek, a tributary to the Mohawk River, is classified as the *confined river* covertype. Sauquoit Creek is located within the study area approximately 2,000 ft south-southeast of the Site. Based on observations made during the July 2013 Site visit, the creek appears to have been restructured (channelized) to accommodate road and other development activities within the study area. Sauquoit Creek is approximately 20 to 25 ft wide and likely used for fishing and possibly canoeing/kayaking.

Floodplain Forest
Floodplain forest is located along the northern and southern shorelines of the Sauquoit Creek approximately 2,100 ft southeast of the Site (**Figure 3**). Dominant canopy species typical of this community include maples (*A. rubra* and *A. saccharinum*), ashes, elms (*Ulmus americana* and *U. rubra*), eastern cottonwood, boxelder (*Acer negundo*), willow (*Salix* spp.), and northern spicebush (*Lindera benzoin*) (Edinger *et al.* 2002).

Shallow Emergent Marsh
An area of s*hallow emergent marsh* was observed within the study area approximately 2,400 ft north of the Site. Dominant species coverage common in this community include sedges (*Carex* spp.), cattails, (*Typh*a spp.) rushes (*Scirpus* spp. and *Eleocharis* spp.), and jewelweed (*Impatiens capensis*) (Edinger *et al.* 2002).

Red-Maple Hardwood Swamp
An area of *red-maple hardwood swamp* was observed within the study area approximately 2,400 ft north of the Site adjacent to the area of *shallow emergent marsh* community. Dominant species coverage typical of this community includes maple, elms, ashes, swamp white oak (*Quercus bicolor*), northern spicebush, and alders (*Alnus incana* and *A. serrlata*) (Edinger *et al.* 2002).

Reedgrass/Purple Loosestrife Marsh
A stand of common reed (*Phragmites australis*) was observed along Mohawk Street near the northern boundary of the study area. This covertype is typically located in an area that has been disturbed by draining, filling, road salts, *etc*. which results in growth and domination of invasive species, specifically common reed or purple loosestrife (*Lythrum salicaria*) (Edinger *et al.* 2002).

2.2.4 Site and Off-Site Study Area Fauna

The presence of fish and wildlife in the study area was evaluated from Site reconnaissance observations, contact with regulatory agencies, and literature review. During the July 2013 reconnaissance performed by O'Brien & Gere, wildlife species were identified based on actual sightings, audible sounds, or other indicators (*i.e.*, bird song, tracks, burrows, or scat). Observed wildlife and their associated covertypes from the surrounding study area are presented on **Table 1**. Associated covertypes were those areas where the wildlife was observed as present or transient during observation. Lists of avian, mammalian, amphibious, and reptilian wildlife species potentially inhabiting the identified covertypes of the study area are presented in **Table 2** as referenced from *Integrating Timber and Wildlife Management* (Chambers 1983), Edinger *et al.* (2002), and the *New York State Herp Atlas Project* (NYSDEC 2007a). **Table 3** presents a list of potential breeding bird species recorded from the study area as part of the NYS Breeding Bird Atlas (NYSDEC 2005).

Whitesboro Dry Cleaners Site
Urban and Rural Structure Exterior, Paved Road/Path, and Mowed Lawn with Trees
There were no wildlife species observed at or in the immediate vicinity of the Site during the July 2013 reconnaissance.

Off-Site Study Area
Urban and Rural Structure Exterior, Paved Road/Path, and Mowed Lawn with Trees
Fauna identified in this covertype as part of the off-Site study area investigation activities included transient song birds: American robin (*Turdus migratorius*) and house sparrow (*Passer domesticus*). Due to the lack of significant vegetative cover and the dominance of residential/commercial development over much of the study area supporting this covertype, viable wildlife habitat is limited, and the observed species are transient and/or have adapted to the urban condition.

Floodplain Forest
The floodplain forest within the study area is located along Sauquoit Creek. During the July 2013 reconnaissance, no wildlife species were visually observed in this covertype; however, transient song birds (*i.e.*, red-winged blackbird (*Agelaius phoeniceus*) and song sparrow (*Melospiza melodia*)) were heard vocalizing. The listed wildlife species expected to utilize this habitat are based on information presented in Edinger *et al.* (2002). Characteristic birds found in the floodplain forest covertype include: yellow-throated vireo (*Vireo flavifrons*), tufted titmouse (*Parus bicolor*), red-bellied woodpecker (*Melanerpes carolinus*), and pileated woodpecker (*Dryocopus pileatus*). Terrestrial mammals expected to utilize the floodplain forest include white-tailed deer (*Odocoileus virginianus*), eastern cottontail rabbit (*Sylvilagus floridanus*), gray squirrel (*Sciurus carolinensis*), and raccoon (*Procyon lotor*).

Successional Northern Hardwoods
Fauna observed in and adjacent to this covertype included transient song birds (*i.e.,* American crow (*Corvus brachyrhynchos*) and American robin. The listed wildlife species expected to utilize this habitat are based on information presented in Edinger *et al.* (2002). Characteristic birds found in successional hardwood forest covertypes include: chestnut sided warbler (*Dendroica pensylvanica*), Nashville warbler (*Vermivora ruficapilla*), and yellow-bellied sapsucker (*Sphyrapicus varius*). Typical mammals include white-tailed deer, gray squirrel and raccoon (*Procyon lotor*)

Confined River
No direct observations of wildlife were made in Sauquoit Creek during the July 2013 Site visit. Species expected to utilize this habitat, based on information presented in Edinger *et al.* (2002), include pumpkinseed (*Lepomis gibbosus)*, creek chub (*Semotilus atromaculatus*), common shiner (*Luxilus cornutus*), and northern hogsucker (*Hypentelium nigricans*). Multiple piscivorous (fish-eating) animals may potentially frequent this community to forage, *e.g.*, mink (*Mustela vison*) and great blue heron (*Ardea herodias*).

2.2.5 Other Physical Resources

As presented in the guidance (NYSDEC 1994), other fish and wildlife resources that may be present within two miles of the Site, such as significant wildlife habitats; rare, threatened, or endangered (RTE) species; regulated wetlands; or special surface waters need to be identified. Documented resources were identified through contact with regulatory agencies and review of New York State Freshwater Wetlands (NYSFW) and National Wetland Inventory (NWI) Maps, as discussed below. **Figure 4** presents the location of documented natural resources in relation to the Site.

Significant Habitats and Rare, Threatened, or Endangered Species
The presence of significant habitats and RTE species within two miles of the Site was evaluated through contact with the NYNHP (NYNHP 2013) and a search of the U.S. Fish and Wildlife Service (USFWS) Endangered Species – Ecological Services website (USFWS 2014). The letter response received from NYNHP is included with this report as **Appendix A**. Results of the associated USFWS website search (2014) are provided as **Appendix B**.

According to NYNHP, no significant habitats are present on or within two miles of the Site (**Appendix A**). No surface waters of the study area and vicinity are designated as Wild, Scenic or Recreational in accordance with the Wild, Scenic and Recreational Rivers Act. Two historical threatened plant species listings are located within two miles of the Site: Schweinitz's sedge (*Carex schweinitzii*) and Cluster sedge (*Carex cumulata*). Schweinitz's sedge was last reported in the off-Site study area in 1881 and Cluster sedge was last reported on August 8, 1912. One historical endangered plant species listing is located within two miles of the Site: Cypress-knee sedge (*Carex decomposita*). Cypress-knee sedge was last reported in the off-Site study area, but no date is provided.

A review of the USFWS IPaC website (USFWS 2014) indicated the following species (with status) potentially occurring in the vicinity of the Site:

- bog turtle (*Clemmys muhlenbergii*) (Population: northern)– threatened
- Indiana bat (*Myotis sodalis*) (Population: entire) – endangered
- northern long-eared bat (*Myotis septentrionalis*) (Population: not provided) – proposed endangered.

Because the Site is a commercial and residential property without forested or wetland habitats present, no indication of the presence of these state and federally listed species was observed at the Site and the habitat requirements reported to support them are not present.

Wetland Habitats
The potential presence of freshwater wetlands within a two-mile radius of the Site was evaluated through a review of the NYSDEC and USFWS NWI mapped data downloaded from their respective data repositories (NYSDEC 1999, 2013 and USFWS 2012, 2013). The NYSFW Map presents the approximate boundaries of wetlands regulated by the NYSDEC and the NWI Map presents wetlands inventoried by USFWS to monitor waterfowl habitats. The NWI maps have no regulatory significance but provide an indication of areas potentially meeting the federal wetland criteria for wetlands that are regulated by the U.S. Army Corps of Engineers (USACE). NWI habitats and NYSFWs within two miles of the Site are presented in **Table 4**. Additional information concerning wetlands is presented in Section 2.4.1.

As presented on **Figure 4** and **Table 4**, thirteen state-regulated wetlands and an estimated 150 NWI wetland habitats exist within two miles of the Site perimeter. The wetland in closest proximity to the Site is NYSDEC wetland OR-40 and NWI-mapped wetland PFO/EM1C located approximately 2,600 ft north of the Site.

2.2.6 Observations of Stress

Observations of physical or biotic stress (*e.g.,* abnormal fish and wildlife activity or mortality, reduced vegetative growth or density, stained soils, leachate seeps, or changes in vegetative communities) were recorded, if observed, during the Site visit. During the study area reconnaissance in July 2013, no signs of physical or biotic stress were observed on or in the immediate vicinity of the Site.

Overall, the greatest level of physical stress observed in the study area was related to the development of the area for commercial and residential purposes. The buildings and paved areas prohibit the development of vegetative communities and associated utilization by wildlife.

2.3 DESCRIPTION OF FISH AND WILDLIFE RESOURCE VALUE

The value of the study area covertypes to wildlife and humans, as described in this section, was qualitatively evaluated based on the habitat requirements of identified wildlife species and potential resource utilization by humans. The habitat requirements considered were feeding preferences, home range, and cover for species identified in the study area. Field observations used to evaluate habitat quality included the diversity of observed wildlife, the availability of suitable habitat on the Site, the size of the habitat, and adjacent land use patterns. A quantitative assessment of the habitat value of the study area was not performed as part of this FWRIA.

2.3.1 Value of Habitat to Associated Fauna

The habitat value for fauna of each covertype at the Site and off-Site study area was evaluated qualitatively based on field observations of physical characteristics. For evaluations of habitat quality of terrestrial covertypes, resident wildlife species requirements for food sources, home range, breeding requirements, and cover were examined and compared to covertype characteristics. Additional information used in the evaluation of habitat quality included:

- the nature, extent and diversity of observed wildlife
- the availability of similar habitats in the immediate vicinity
- the size of the habitat
- adjacent land use patterns.

Whitesboro Dry Cleaners Site
The commercial nature of the Site (*i.e.,* presence of a building, paved and gravel surfaces, and mowed lawn) minimizes the habitat value of the Site to fauna. The undeveloped portions of the Site consist primarily of mowed lawn adjacent to developed (residential) areas, minimizing their availability and suitability for wildlife use, such as for nesting, foraging and cover. The small grassed areas surrounding the building and residence

potentially provide invertebrate and vegetative food sources for a limited number of small mammals and birds, such as mice, voles, American robin, and starlings that may forage in the *mowed lawn* covertype.

Off-Site Study Area

Floodplain Forest

The floodplain forest covertype in the study area represents an important habitat for a variety of wildlife species including species that may utilize Sauquoit Creek and may provide refuge for local wildlife from nearby anthropogenic disturbances. However, this covertype is in the vicinity of paved roadways and parking lots, and commercial businesses. The presence of these roadways and businesses limits the accessibility and overall quality of habitat for wildlife species.

Successional Northern Hardwoods

This covertype would normally support a significant diversity of wildlife species; however, the size of these five areas in the study area may limit its use by wildlife. All five areas are bordered by residential developments or a commercial lot. The areas are capable of supporting a variety of birds and small mammals because of the high productivity of this early succession mast producing forest. Use of this covertype by larger mammals such as white-tailed deer is possible due to the provision of food sources and the contiguous connection with additional forested and shrub habitat areas to the beyond the off-Site study area boundary.

Successional Oldfield/Shrubland

This covertype would normally support a significant diversity of wildlife species; however, the size of this area in the study area may limit its use by wildlife. This community is capable of supporting a variety of birds and small mammals because of its high productivity. Use of this covertype by larger mammals such as white-tailed deer is possible due to the provision of food sources; however, this area appears to somewhat isolated from similar and contiguous communities, as it is bordered by residential developments.

Confined River

Sauquoit Creek provides the highest quality aquatic habitat in the study area. Although the portion of Sauquoit Creek located within the study area is surrounded by commercial and rural communities, it provides valuable habitat for aquatic vegetation, macroinvertebrates, fish and cover sources for aquatic wildlife.

Fish in Sauquoit Creek provide a food source for piscivorous wildlife, such as great blue heron and mink. These piscivores likely find the shoreline cover afforded by the floodplain forest along the creek's southern shoreline in the off-Site study area attractive for isolation from predators and humans and for seeking prey.

Other Cultural Covertypes

Urban and industrial areas, with their mowed lawns, ornamental trees, and building exteriors provide habitat for urbanized bird and mammal species. As natural habitat communities diminish in size and quality, wildlife are forced to adapt to the more urban environment. However, urbanization strictly limits utilization of the area by most wildlife species.

2.3.2 Value of Resources to Humans

In general, fish and wildlife resources are valuable to humans for recreational and aesthetic reasons. Many sportsmen hunt, fish and consume their catches. Wildlife resources are also enjoyed by naturalists who enjoy observations of wildlife during hiking and camping. Within the study area, Sauquoit Creek provides the opportunities for fishing and nature viewing in the study area. The highly developed nature of the remainder of the study area restricts the value of natural resources for humans.

2.4 POTENTIALLY APPLICABLE FISH AND WILDLIFE REGULATORY CRITERIA

In accordance with the guidance, potentially applicable Fish and Wildlife Regulatory Criteria (FWRC) were identified for this analysis and are described in this section. FWRC are classified as either Site-specific or chemical-specific. Site-specific FWRC apply to features such as wetlands or streams potentially impacted by the Site. Chemical-specific FWRC are medium-specific regulatory contaminant concentration thresholds, for example, the NYS Ambient Water Quality Standards and sediment criteria. **Table 5** presents a list of potential FWRC applicable to this assessment.

2.4.1 Site-specific FWRC

Site-specific FWRC are regulations that apply to freshwater wetlands; tidal wetlands; regulated streams; navigable waterbodies; coastal zones; significant fish and wildlife habitats; wild, scenic and recreational rivers; and RTE plant and animal species.

Freshwater wetlands were identified through a review of NYSDEC and USFWS mapping. Regulated streams and navigable water bodies were identified through a review of 6 NYCRR Part 701. The potential presence of RTE plant and animal species as well as significant habitats was identified through a records search by the NYNHP performed at the request of O'Brien & Gere and a review of available information from the USFWS. The presence of these resources is discussed in Section 2.2.5. As described previously, wetlands were identified for a distance of two miles surrounding the Site perimeter.

NYSDEC Freshwater Wetlands. The New York State Freshwater Wetlands Act (Article 24 of New York State Conservation Law) was promulgated in 1975 by the State of New York to preserve, protect, and conserve freshwater wetlands. Under the Act, NYSDEC was required to map the boundaries of wetlands greater than five hectares (12.4 acres) in size and to regulate the activities which can be conducted in these areas. Activities are also regulated within a 100-ft buffer zone around each wetland boundary. State wetlands are classified according to their functions and values. Class I wetlands provide the most critical of the state's wetland benefits, while Classes II, III and IV provide decreasing functions and values.

The state regulated wetland boundaries are presented on NYSDEC Freshwater Wetlands Maps for most of the topographic quadrangles in the state. Based on a review of the wetland maps, there are thirteen state-regulated wetlands within two miles of the Site (**Figure 4**) but none are located within the study area. The wetlands within two miles of the Site are identified on **Table 4**.

Federal Wetlands. The USEPA and U.S. Army Corps of Engineers (USACE) have joint jurisdiction for federal wetlands under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act. A qualitative evaluation of wetland presence in the vicinity of the Site was performed through a review of NWI Maps that include the Site. NWI maps are prepared by the USFWS as an indication of waterfowl habitat in the U.S. Although the wetlands depicted on these maps are not regulated unless they also meet state or federal criteria, the NWI maps provide an indication of potential wetland presence in the vicinity of the Site. **Figure 4** and **Table 4** identify the NWI wetlands identified in the Site study area.

Regulated Streams. Disturbances to streams are regulated based on the classification of the stream. Stream classifications are presented in 6 NYCRR Section 875. According to NYCRR, the stretch of Sauquoit Creek within the study area is identified as a Class "C" surface water. Class "C" waters support fisheries and are suitable for non-contact activities. A Class "C" stream is not protected by a permit system under 6 NYCRR Section 608, which regulates physical modifications or disturbances to protected streams, its bed, or banks. However, Sauquoit Creek would be considered a protected water by New York State under 6 NYCRR Section 608 because it is a navigable water and its standard, listed as C (t), indicates that potential trout habitat is present in this stream segment.

Navigable Waterbodies. According to New York State Conservation Law, activities affecting navigable waterbodies are governed by 6 NYCRR Part 608. As defined by this Part, a navigable waterbody is one "upon which vessels with a capacity of one or more persons can be operated." Sauquoit Creek qualifies as a navigable waterbody according to this definition.

2.4.2 Chemical-specific FWRC

Criteria and guidance values that are potentially applicable to the evaluation of potential impacts to fish and wildlife resources as a result of exposures to chemicals in environmental media. For example, the following FWRC are listed in the guidance as potentially applicable: NYS Water Quality Standards (NYSDEC 1998), NYSDEC sediment criteria (NYSDEC 1999a), and the federal chemical-specific USEPA Ambient Water Quality Criteria (USEPA 2009).

Additional references can be utilized for the identification of numeric chemical criteria (*e.g.*, ecological screening levels). The screening level sources of chosen for a specific project or Site are based primarily on NYSDEC and

USEPA direction and guidance. Because media screening was not performed for this FWRIA (as described in Section 3), chemical-specific FWRC are not discussed herein.

3. CONTAMINANT-SPECIFIC IMPACT ASSESSMENT

In accordance with the NYSDEC (1994) guidance, the Pathway Analysis is the first step of the Contaminant-specific Impact Assessment, where Site-related constituents and potential pathways of contaminant migration to ecological receptors in the vicinity of the Site are evaluated. If no resources or pathways exist at the Site, or if impact is considered minimal, then no further analysis is required. If complete pathways between constituents and resources are identified, a Criteria-specific Analysis is performed. These analyses are discussed in this section.

3.1 POTENTIAL PATHWAYS

The following sections consider the primary potential exposure pathways and hypothetical receptors identified in this FWRIA. An exposure pathway is a mechanism by which a receptor may be exposed to a chemical or physical agent at, or originating from, a source. The three primary routes of organism exposure are inhalation, ingestion, and dermal contact. Exposure pathways are classified as being complete or incomplete. An exposure pathway is complete when receptors exist that could contact a physical or chemical agent under specified conditions. The pathway is incomplete if there are no receptors or no exposures could occur under the specified conditions. Presented below is a discussion of the potential ecological pathways at the Site under current conditions.

3.1.1 Terrestrial Exposure Pathway

The Site is largely developed and includes a building, paved/gravel areas, and a residence. The only terrestrial habitat present on the Site consists of two small areas of the *mowed lawn* covertype located on the northern portion of the Site (associated with the commercial building) and the eastern portion of the Site adjacent to the residential structure. These areas are maintained as mowed lawn with shallow-rooting grass species providing the only vegetative cover and prohibiting the development of a diverse vegetative community.

As described previously in Section 2, little or no viable habitat for wildlife exists on the surface of the Site. As shown in the Photograph Log (**Appendix C**), the Site surface consists primarily of a buildings and paved surfaces where a sparse vegetative community exists, offering little to no habitat for wildlife except for transient individuals. Wildlife utilization of this area is limited to infrequent visits by songbirds and small mammals. In addition, the high degree of development and human activity in the vicinity of the Site limits this area's attractiveness to wildlife species.

During the site characterization for the RI, surface soil and subsurface soil samples were collected from the Site in April and November 2013. Samples collected at the Site from a depth of 0 to 2 inches (in) below ground surface (bgs) and 0 to 2 ft bgs intervals are the most ecologically relevant since potential ecological receptors utilizing the Site are most likely to be exposed to constituents present at these intervals. Site COCs were detected in Site soils at these intervals.

Based on the potential utilization of the mowed lawn habitat by wildlife and the presence of Site-related constituents in surface soil, the terrestrial exposure pathway (surface soil) is considered complete. However, since potential wildlife utilization in this area is limited to infrequent visits by songbirds and small mammals that can access the Site, potential exposure to wildlife receptors at the Site is considered *de minimis*.

3.1.2 Groundwater Exposure Pathway

Ecological exposures, if any, to Site-related constituents in groundwater are typically limited to direct contact exposures from shallow groundwater to soil invertebrates, plant roots, and/or burrowing animals. However, wildlife inhabiting or utilizing the Site are not likely to contact groundwater since dens or burrows are not excavated or inhabited below the water table. Site groundwater is present at approximately 6.5-feet to 11-feet below ground surface (Nature's Way 2006), and wildlife food sources occur above ground or in shallow soil. Additionally, shallow groundwater does not discharge to the surface on the Site. Therefore, the groundwater exposure pathway is considered incomplete.

3.1.3 Aquatic Habitat - Surface Water Exposure Pathway

No aquatic habitat is present on the Site, therefore, the surface water exposure pathway is considered incomplete.

4. SUMMARY AND CONCLUSIONS

This FWRIA report was completed for the Whitesboro Dry Cleaners Site in accordance with NYSDEC's DER-10 Section 3.10.1 (Part 1 – Resource Characterization; NYSDEC 2010) and Step IIB (Contaminant-Specific Impact Assessment) of their FWIA guidance document (NYSDEC 1994).

The Site contains a commercial building, a residence, gravel and paved surfaces, and two small mowed lawn areas. Surrounding land uses are also reflective of development and include commercial and residential properties. Based on the soil investigations performed for the RI, Site-related constituents have been detected in surface and subsurface soil samples from the 0 to 2 in and 0 to 2 ft intervals collected for the Site.

No wetland or aquatic habitats are present on or in the immediate vicinity of the Site. Available on-Site ecological habitat is limited to *mowed lawn* terrestrial habitat. This habitat is of relatively poor quality due to the lack of vegetative diversity and relatively small size and location. Wildlife which may utilize the Site includes songbirds and small mammals. However, periodic maintenance and monitoring of the mowed lawn area and the developed nature of the adjacent areas significantly limits the utilization of the Site by wildlife.

The findings of this FWRIA result in the conclusion that Site-related impacts to ecological receptors are minimal or non-existent and further assessment of potential ecological impact is not warranted.

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Table 1
NYSDEC
Whitesboro Dry Cleaners Site
Fish and Wildlife Resources Impact Analysis
Observed Wildlife Species[1]

Common Name	Scientific Name	Covertype
Birds		
American crow (fly over)	*Corvus brachyrhynchos*	Successional Northern Hardwoods
House sparrow	*Passer domesticus*	Urban and Rural Structure Exterior, Paved Road/Path, and Mowed Lawn with Trees
Red-winged blackbird (vocalization)	*Agelaius phoeniceus*	Floodplain Forest
Song sparrow (vocalization)	*Melospiza melodia*	Floodplain Forest
American robin	*Turdus migratorius*	Urban and Rural Structure Exterior, Paved Road/Path, and Mowed Lawn with Trees and Successional Northern Hardwoods

1 = Observations based on July 24, 2013 site visit.

Table 2
NYSDEC
Whitesboro Dry Cleaners Site
Fish and Wildlife Resources Impact Analysis
Potential Wildlife Associated with Study Area Covertypes

Common Name	Scientific Name
Amphibians and Reptiles[1]	
Black rat snake	*Elaphe o.obsoleta*
Bullfrog	*Rana catesbeiana*
Common garter snake	*Thamnophis sirtalis*
Common mudpuppy	*Necturus maculosus*
Common snapping turtle	*Chelydra serpentina*
Eastern American toad	*Bufo a. americanus*
Eastern milk snake	*Lampropeltis triangulum triangulum*
Gray tree frog	*Hyla versicolor*
Green frog	*Rana clamitans melanota*
Northern leopard frog	*Rana pipiens*
Northern redback salamander	*Plethodon c. cinereus*
Northern redbelly snake	*Storeria o. occipitomaculata*
Northern ringneck snake	*Diadophis punctatus edwardsi*
Northern spring peeper	*Pseudacris c. crucifer*
Northern two-lined salamander	*Eurycea bislineata*
Northern water snake	*Natrix sipedon sipedon*
Painted turtle	*Chrysemys picta*
Red-spotted newt	*Notophthalmus v. viridescens*
Wood frog	*Rana sylvatica*
Birds[2, 3]	
American crow	*Corvus brachyrhynchos*
American robin	*Turdus migratorius*
American woodcock	*Scolopax minor*
Blue Jay	*Cyanocitta cristata*
Blue-winged warbler	*Vermivora cyanoptera*
Brown thrasher	*Toxostoma rufum*
Chestnut-sided warbler	*Dendroica pensylvanica*
Common nighthawk	*Chordleiles minor*
Common yellowthroat	*Geothlypis trichas*
Eastern towhee	*Pipilo erythrophthalmus*
Field sparrow	*Spizella pusilla*
Golden-winged warbler	*Vermivora chrysoptera*
Great bule heron	*Ardea herodias*
Indigo Bunting	*Passerina cyanea*
Marsh wren	*Cistothorus palustris*
Mourning dove	*Zenaida macroura*
Nashville warbler	*Vermivora ruficapilla*
Northern flicker	*Colaptes auratus*
Northern mockingbird	*Mimus polyglottus*
Northern waterthrush	*Parkesia noveboracensis*
Pileated woodpecker	*Dryocopus pileatus*
Red-bellied woodpecker	*Melanerpes carolinus*
Red-tailed hawk	*Buteo jamaicensis*
Ruffed grouse	*Bonasa umbellus*
Song sparrow	*Melospiza melodia*
Tree swallow	*Tachycineta bicolor*
Tufted titmouse	*Parus bicolor*
Yellow-billed sapsucker	*Sphyrapicus varius*
Yellow-breasted chat	*Icteria virens*

Table 2
NYSDEC
Whitesboro Dry Cleaners Site
Fish and Wildlife Resources Impact Analysis
Potential Wildlife Associated with Study Area Covertypes

Common Name	Scientific Name
Yellow-throated vireo	*Vireo flavifrons*
Fish[2]	
Blacknose dace	*Rhinichthys atratulus*
Bluntnose minnow	*Pimephales notatus*
Brown trout	*Salmo trutta*
Creek chub	*Semotilus atromaculatus*
Fantail darter	*Etheostoma flabellare*
Longnose dace	*Rhinichthys cataractae*
Mottled sculpin	*Cottus bairdi*
Northern hogsucker	*Hypentelium nigricans*
Pumpkinseed	*Lepomis gibbosus*
Rainbow trout	*Salmo gairdneri*
Rosyface shiner	*Notropis rubellus*
Slimy sculpin	*Cottus cognatus*
Smallmouth bass	*Micropterus dolomieui*
Stonecat	*Noturus flavus*
Tessellated darter	*Etheostoma olmstedi*
Trout-perch	*Percopsis omiscomaycus*
Mammals[3]	
Big brown bat	*Eptesicus fuscus*
Boreal red backed vole	*Clethrionomys gapperi*
Coyote	*Canis latrans*
Deer mouse	*Peromyscus maniculatus*
Eastern chipmunk	*Tamias striatus*
Eastern cottontail	*Sylvilagus floridanus*
Eastern gray squirrel	*Sciurus carolinensis*
Eastern mole	*Scalopus aquaticus*
Eastern pipistrelle	*Pipistrellus subflavus*
Gray fox	*Urocyon cinereoargenteus*
Hairytail mole	*Parascalops breweri*
Hoary bat	*Lasiurus cinereus*
Keen myotis	*Myotis keeni*
Least shrew	*Cryptotis parva*
Little brown bat	*Myotis lucifugus*
Longtail weasel	*Mustela frenata*
Masked shrew	*Sorex cinerus*
Meadow jumping mouse	*Zapus hudsonius*
Meadow vole	*Microtus pennsylvanicus*
Mink	*Mustela vison*
New England cottontail	*Sylvilagus transitionalis*
Northern flying squirrel	*Glaucomys sabrinus*
Northern water shrew	*Sorex palustris*
Opossum	*Didelphia virginiana*
Pine vole	*Pitymys pinetorum*
Porcupine	*Erethizon dorsatum*
Raccoon	*Procyon lotor*
Red bat	*Lasiurus borealis*
Red fox	*Vulpes fulva*
Red squirrel	*Tamiasciurus hudsonicus*
Shorttail shrew	*Blarina brevicauda*

Table 2
NYSDEC
Whitesboro Dry Cleaners Site
Fish and Wildlife Resources Impact Analysis
Potential Wildlife Associated with Study Area Covertypes

Common Name	Scientific Name
Shorttail weasel	*Mustela erminea*
Silver haired bat	*Lasionycteris noctivagans*
Small footed myotis	*Myotis subulatus*
Smoky shrew	*Sorex fumeus*
Snowshoe hare	*Lepus americanus*
Southern flying squirrel	*Glaucomys volans*
Starnose mole	*Condylura cristata*
Striped skunk	*Mephitis mephitis*
White footed mouse	*Peromyscus leucopus*
White-tailed deer	*Odocoileus virginianus*
Woodchuck	*Marmota monax*
Woodland jumping mouse	*Napaeozapus insignis*

Sources:

1 = New York State Herp Atlas Project (http://www.dec.ny.gov/animals/7140.html); Utica West and Oriskany USGS Quadrangles/Blocks

2 = Edigner *et al* . 2002

3 = Chambers 1983

Table 3
NYSDEC
Whitesboro Dry Cleaners Site
Fish and Wildlife Resources Impact Analysis
NYS Breeding Bird Atlas Information[1] for Survey Block 6073C

Common Name	Scientific Name	NY Legal Status
Alder Flycatcher	*Empidonax alnorum*	Protected
American Crow	*Corvus brachyrhynchos*	Game Species
American Goldfinch	*Spinus tristis*	Protected
American Kestrel	*Falco sparverius*	Protected
American Redstart	*Setophaga ruticilla*	Protected
American Robin	*Turdus migratorius*	Protected
Baltimore Oriole	*Icterus galbula*	Protected
Bank Swallow	*Riparia riparia*	Protected
Barn Swallow	*Hirundo rustica*	Protected
Belted Kingfisher	*Megaceryle alcyon*	Protected
Black-billed Cuckoo	*Coccyzus erythropthalmus*	Protected
Black-capped Chickadee	*Poecile atricapillus*	Protected
Blue Jay	*Cyanocitta cristata*	Protected
Blue-gray Gnatcatcher	*Polioptila caerulea*	Protected
Blue-winged Warbler	*Vermivora pinus*	Protected
Bobolink	*Dolichonyx oryzivorus*	Protected
Brown Creeper	*Certhia americana*	Protected
Brown Thrasher	*Toxostoma rufum*	Protected
Brown-headed Cowbird	*Molothrus ater*	Protected
Canada Goose	*Branta canadensis*	Game Species
Carolina Wren	*Thryothorus ludovicianus*	Protected
Cedar Waxwing	*Bombycilla cedrorum*	Protected
Chestnut-sided Warbler	*Dendroica pensylvanica*	Protected
Chimney Swift	*Chaetura pelagica*	Protected
Chipping Sparrow	*Spizella passerina*	Protected
Cliff Swallow	*Petrochelidon pyrrhonota*	Protected
Common Grackle	*Quiscalus quiscula*	Protected
Common Merganser	*Mergus merganser*	Game Species
Common Yellowthroat	*Geothlypis trichas*	Protected
Cooper's Hawk	*Accipiter cooperii*	Protected-Special Concern
Dark-eyed Junco	*Junco hyemalis*	Protected
Downy Woodpecker	*Picoides pubescens*	Protected
Eastern Bluebird	*Sialia sialis*	Protected
Eastern Kingbird	*Tyrannus tyrannus*	Protected
Eastern Meadowlark	*Sturnella magna*	Protected
Eastern Phoebe	*Sayornis phoebe*	Protected
Eastern Towhee	*Pipilo erythrophthalmus*	Protected
Eastern Wood-Pewee	*Contopus virens*	Protected
European Starling	*Sturnus vulgaris*	Unprotected
Field Sparrow	*Spizella pusilla*	Protected
Fish Crow	*Corvus ossifragus*	Protected
Gray Catbird	*Dumetella carolinensis*	Protected
Great Blue Heron	*Ardea herodias*	Protected
Great Crested Flycatcher	*Myiarchus crinitus*	Protected
Great Horned Owl	*Bubo virginianus*	Protected
Green Heron	*Butorides virescens*	Protected
Hairy Woodpecker	*Picoides villosus*	Protected

Table 3
NYSDEC
Whitesboro Dry Cleaners Site
Fish and Wildlife Resources Impact Analysis
NYS Breeding Bird Atlas Information[1] for Survey Block 6073C

Common Name	Scientific Name	NY Legal Status
Hermit Thrush	*Catharus guttatus*	Protected
Hooded Merganser	*Lophodytes cucullatus*	Game Species
House Finch	*Carpodacus mexicanus*	Protected
House Sparrow	*Passer domesticus*	Unprotected
House Wren	*Troglodytes aedon*	Protected
Indigo Bunting	*Passerina cyanea*	Protected
Killdeer	*Charadrius vociferus*	Protected
Least Flycatcher	*Empidonax minimus*	Protected
Mallard	*Anas platyrhynchos*	Game Species
Mourning Dove	*Zenaida macroura*	Protected
Northern Cardinal	*Cardinalis cardinalis*	Protected
Northern Flicker	*Colaptes auratus*	Protected
Northern Rough-winged Swallow	*Stelgidopteryx serripennis*	Protected
Northern Waterthrush	*Seiurus noveboracensis*	Protected
Ovenbird	*Seiurus aurocapilla*	Protected
Pileated Woodpecker	*Dryocopus pileatus*	Protected
Purple Finch	*Carpodacus purpureus*	Protected
Red-bellied Woodpecker	*Melanerpes carolinus*	Protected
Red-breasted Nuthatch	*Sitta canadensis*	Protected
Red-eyed Vireo	*Vireo olivaceus*	Protected
Red-tailed Hawk	*Buteo jamaicensis*	Protected
Red-winged Blackbird	*Agelaius phoeniceus*	Protected
Rock Pigeon	*Columba livia*	Unprotected
Rose-breasted Grosbeak	*Pheucticus ludovicianus*	Protected
Ruby-throated Hummingbird	*Archilochus colubris*	Protected
Ruffed Grouse	*Bonasa umbellus*	Game Species
Savannah Sparrow	*Passerculus sandwichensis*	Protected
Scarlet Tanager	*Piranga olivacea*	Protected
Sharp-shinned Hawk	*Accipiter striatus*	Protected-Special Concern
Song Sparrow	*Melospiza melodia*	Protected
Spotted Sandpiper	*Actitis macularius*	Protected
Swamp Sparrow	*Melospiza georgiana*	Protected
Tree Swallow	*Tachycineta bicolor*	Protected
Tufted Titmouse	*Baeolophus bicolor*	Protected
Turkey Vulture	*Cathartes aura*	Protected
Veery	*Catharus fuscescens*	Protected
Warbling Vireo	*Vireo gilvus*	Protected
White-breasted Nuthatch	*Sitta carolinensis*	Protected
Wild Turkey	*Meleagris gallopavo*	Game Species
Willow Flycatcher	*Empidonax traillii*	Protected
Wilson's Snipe	*Gallinago delicata*	Game Species
Wood Duck	*Aix sponsa*	Game Species
Wood Thrush	*Hylocichla mustelina*	Protected
Yellow Warbler	*Dendroica petechia*	Protected
Yellow-bellied Sapsucker	*Sphyrapicus varius*	Protected
Yellow-throated Vireo	*Vireo flavifrons*	Protected

1 = Source: 2000 New York State Department of Environmental Conservation Breeding Bird Atlas (2000-2005) - Blocks 4777C (Site), 4777A (north), 4677B (northwest), and 4677D (west). http://www.dec.ny.gov/cfmx/extapps/bba/

Table 4
NYSDEC
Whitesboro Dry Cleaners Site
Fish and Wildlife Resources Impact Analysis
Characteristics of Wetlands within 2-Mile Site Radius

Wetland Identification Code	Number of Polygons within 2-mile Radius	Total Area (Acres)	Description
State Wetlands[1]			
OR-32	1	*6.0	Class II
OR-33	1	21.6	Class II
OR-34	1	42.9	Class II
OR-36	1	*64.5	Class II
OR-37	1	29.8	Class II
OR-38	1	19.5	Class II
OR-39	1	15.6	Class II
OR-40	1	130	Class II
OR-41	1	30.7	Class II
OR-42	1	*17.15	Class II
UW-2	1	*116.3	Class II
UW-3	2	*16.3	Class II
UW-5	1	18.6	Class II
UW-9	1	49.9	Class II
NWI Habitats[2]			
PEM1A	NA	NA	Palustrine; Emergent; Persistent; Temporarily flooded
PEM1B	NA	NA	Palustrine; Emergent; Persistent; Saturated
PEM1C	NA	NA	Palustrine; Emergent; Persistent; Temporarily flooded
PEM1Cd	NA	NA	Palustrine; Emergent; Persistent; Seasonally flooded; Partly drained/ditched
PEM1C/SS1C	NA	NA	Palustrine; Emergent; Persistent; Seasonally flooded/Scrub-Shrub; Persistent; Seasonally flooded
PEM1E	NA	NA	Palustrine; Emergent; Persistent; Seasonally flooded/saturated
PEM1Ed	NA	NA	Palustrine; Emergent; Persistent; Seasonally flooded/saturated; Diked/Partly drained/ditched
PEM1E/SS1E	NA	NA	Palustrine; EmergentPersistent; Seasonally flooded/saturated/Scrub-Shrub; Persistent; Seasonally flooded/saturated
PEM1F/UB1F	NA	NA	Palustrine; Emergent; Persistent; Semipermanently flooded/Unconsolidated bottom; Persistent; Semipermanently flooded
PFO1A	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Temporarily flooded
PFO1B	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Saturated
PFO1Bgd	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Saturated; Organic; Partly drained/ditched
PFO1C	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Seasonally flooded
PFO1E	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Seasonally flooded/saturated
PFO1F	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Semipermanently flooded
PFO1ME	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Irregularly exposed; Seasonally flooded/saturated
PFO1A/PEM1A	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Temporarily flooded/Palustrine; Emergent; Persistent; Temporarily flooded
PFO1C/PEM1C	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Seasonally flooded/Palustrine; Emergent; Persistent; Temporarily flooded
PFO1C/PSS1C	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Seasonally flooded/Palustrine; Scrub-Shrub; Broad-leaved deciduous; Seasonally flooded

Table 4
NYSDEC
Whitesboro Dry Cleaners Site
Fish and Wildlife Resources Impact Analysis
Characteristics of Wetlands within 2-Mile Site Radius

Wetland Identification Code	Number of Polygons within 2-mile Radius	Total Area (Acres)	Description
PFO1Cd/PSS1Cd	NA	NA	Palustrine; Forested; Broad-leaved deciduous; Seasonally flooded; Diked/Impounded/Palustrine; Scrub-Shrub; Broad-leaved deciduous; Seasonally flooded; Diked/Impounded
PFO4E	NA	NA	Palustrine; Forested; Needle-leaved evergreen; Seasonally flooded/saturated
PFO4/1E	NA	NA	Palustrine; Forested; Needle-leaved evergreen/Broad-leaved deciduous; Seasonally flooded/saturated
PSS1A	NA	NA	Palustrine; Scrub-Shrub; Broad-leaved deciduous; Temporarily flooded
PSS1C	NA	NA	Palustrine; Scrub-Shrub; Broad-leaved deciduous; Seasonally flooded
PSS1E	NA	NA	Palustrine; Scrub-shrub; Broad-leaved deciduous; Seasonally flooded/saturated
PUBF	NA	NA	Palustrine; Unconsolidated bottom; Semipermanently flooded
PUBFh	NA	NA	Palustrine; Unconsolidated bottom; Semipermanently flooded; Diked/Impounded
PUBHh	NA	NA	Palustrine; Unconsolidated bottom; Permanently flooded; Diked/Impounded
PUBHx	NA	NA	Palustrine; Unconsolidated bottom; Permanently flooded; Excavated
R2UBH	NA	NA	Riverine; Lower perennial; Unconsolidated bottom, Permanently flooded
R2UBHx	NA	NA	Riverine; Lower perennial; Unconsolidated bottom, Permanently flooded, excavated

Notes:

1 = NYSDEC. 2011b. New York State Regulatory Freshwater Wetlands For Rensselar County (ARC Export : 2011). Digital Data. http://cugir.mannlib.cornell.edu/bucketinfo.jsp?id=478

NYSDEC. 2002. New York State Regulatory Freshwater Wetlands For Albany County (ARC Export : 2002). Digital Data. http://cugir.mannlib.cornell.edu/bucketinfo.jsp?id=444

2 = USFWS. 2012b. Digital Data (ContinentalUSScannedMaps.shp). Based on *Classification of Wetlands and Deepwater Habitats of the United* States. (Cowardin *et al* . 1979). http://www.fws.gov/wetlands/

* = This acreage is approximately the amount of the wetland polygon located within 2-mile radius, but may not represent the entire acreage of this wetland polygon.

NA = The only federal wetland data available for this area is presently scanned polygon images from existing National Wetland Inventory (NWI) hardcopy mapping. The total number of polygons and wetland acreages are not available with this scanned data . The scanned data was obtained via the NWI Wetlands Mapper website (http://www.fws.gov/wetlands/Wetlands-Mapper.html).

Table 5
NYSDEC
Whitesboro Dry Cleaners Site
Fish and Wildlife Resources Impact Analysis
Potentially Applicable Fish and Wildlife Regulatory Criteria

New York State Laws and Regulations	
Environmental Media	**Potentially Applicable Regulations, Criteria, and/or Standards**
Soil	• *Remedial Program Soil Cleanup Objectives.* 6 NYCRR Subpart 375-6 (NYSDEC 2006)
Wetlands	• NY Freshwater Wetlands Act (NYS 1985; NYS 1980; 6 NYCRR Parts 663, 664) • NY Tidal Wetland Act (1973; NYS 6 NYCRR Part 661) • ECL Article 24 (Freshwater wetlands) • ECL Article 25 (Tidal wetlands)
Fish and Wildlife	• 6 NYCRR Part 182 (Endangered and Threatened Species) • ECL Article 11 (Endangered and Threatened Species)
Miscellaneous	• 6 NYCRR Part 375 (Inactive Hazardous Waste Disposal Sites) • ECL Article 27 (Inactive Hazardous Waste Disposal Sites)

State and Federal Guidance	
Environmental Media	**Potentially Applicable Regulations, Criteria, and/or Standards**
Soil	• Region 3 BTAG Screening Values (USEPA 2006) • Ecological Soil Screening Level (Eco-SSLs) Guidance and Documents (USEPA 2003)
Wetlands	• *Freshwater Wetlands Delineation Manual*. New York State Department of Environmental Conservation, Albany, NY (NYSDEC 1995) • *U.S. Army Corps of Engineers Wetlands Delineation Manual* (USACE 1987)
Miscellaneous	• *Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites*. New York State Department of Environmental Conservation, Division of Fish and Wildlife, Albany, NY (NYSDEC 1994) • *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments. Interim Final*. United States Environmental Protection Agency Environmental Response Team. EPA 540-R-97-006. Edison, New Jersey (USEPA 1997)

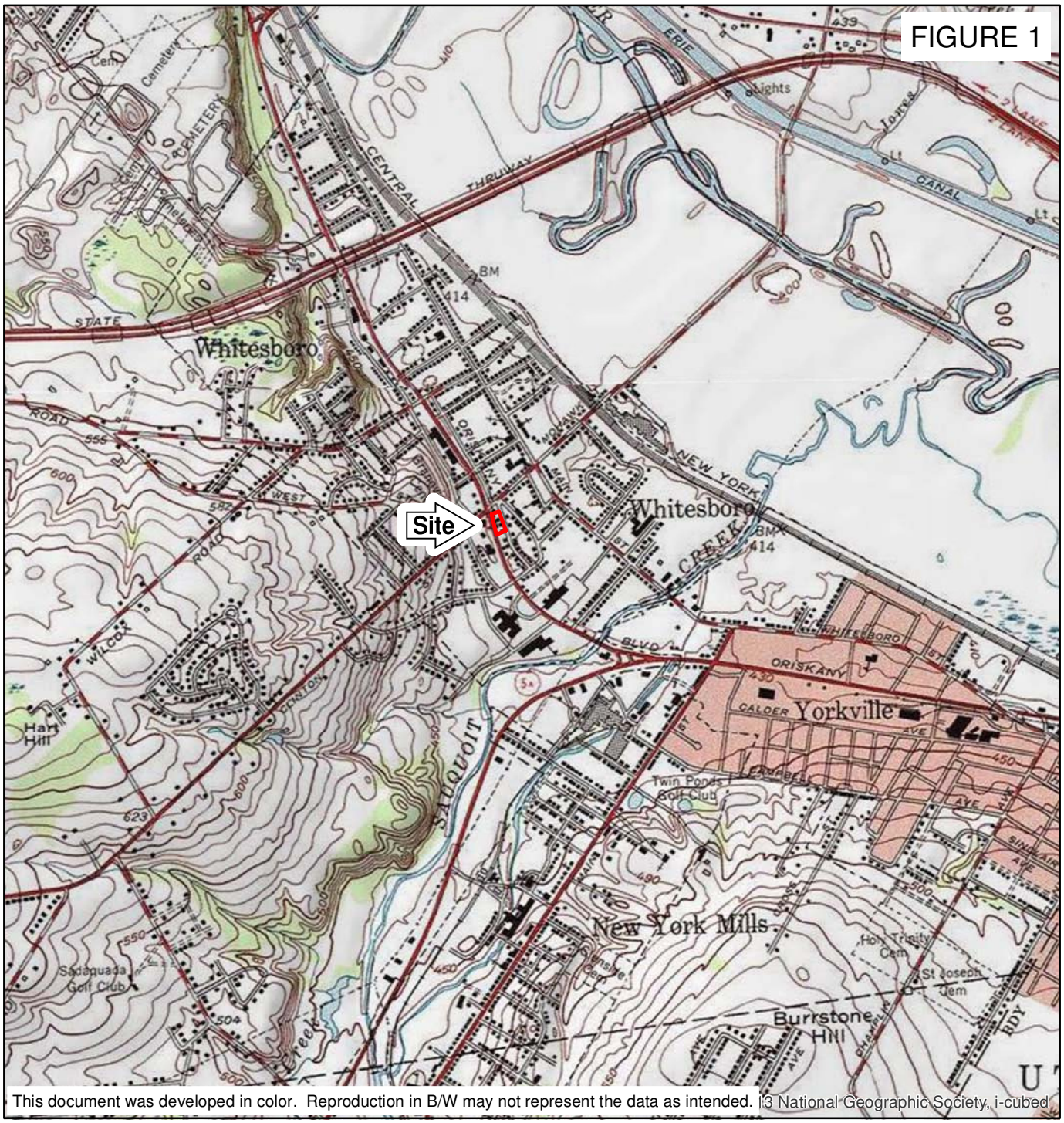
Federal Laws and Regulations	
Environmental Media	**Potentially Applicable Regulations, Criteria, and/or Standards**
Wetlands	• USEPA Clean Water Act - Section 404
Fish and Wildlife	• Endangered Species Act - 16 USC 1531 *et seq*; 50 CFR Parts 17, Subpart I and 50 CFR Part 402

Other Applicable Guidance	
Environmental Media	**Potentially Applicable Regulations, Criteria, and/or Standards**
Soil	• *Toxicological Benchmarks for Contaminants of Potential Concern for Effects on Terrestrial Plants: 1997 Revision*. (Efroymson *et al*. 1997) • *Toxicological benchmarks for Contaminants of Potential Concern for Effects on Soil and Litter Invertebrates and Heterotrophic Process: 1997 Revision*. (Efroymson *et al*. 1997)

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FIGURE 1



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NYSDEC
FISH AND WILDLIFE
RESOURCES IMPACT ANALYSIS
WHITESBORO DRY CLEANERS SITE
WHITESBORO, NEW YORK



MAP LOCATION

SITE LOCATION

N

0 1,000 2,000 4,000 6,000 8,000

Feet

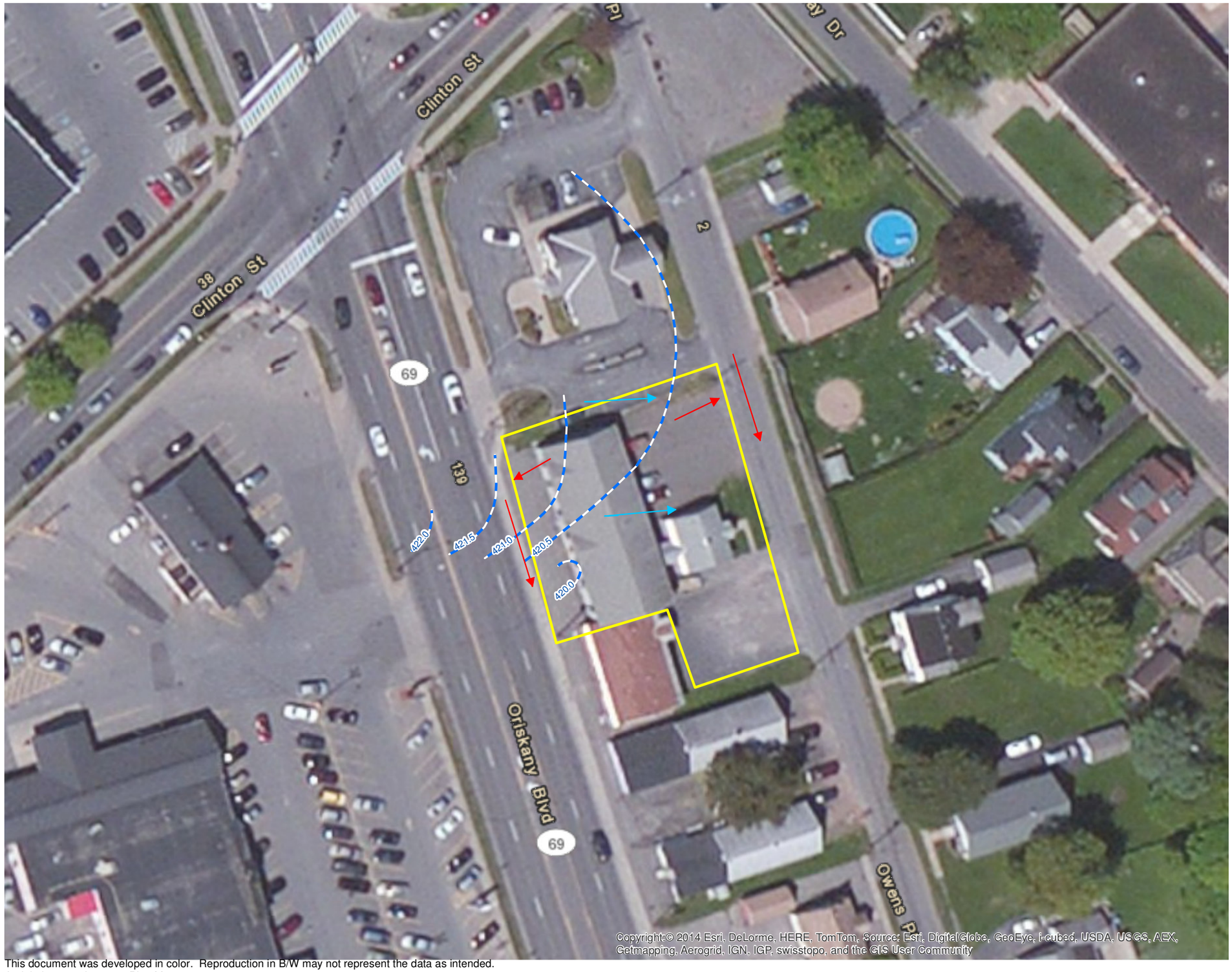
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O'BRIEN & GERE

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FIGURE 2



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Aerial photograph source Bing Maps.

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N

LEGEND

- APPROXIMATE SITE BOUNDARY
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- SURFACE WATER FLOW DIRECTION

NOTES:
GROUNDWATER ELEVATION
CONTOURS - DECEMBER 18, 2013

NYSDEC
FISH AND WILDLIFE
RESOURCES IMPACT ANALYSIS
WHITESBORO DRY
CLEANERS SITE
WHITESBORO, NEW YORK

GROUNDWATER AND SURFACE WATER FLOW DIRECTION

0 25 50 100
Feet

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FIGURE 3

N

LEGEND

- APPROXIMATE SITE BOUNDARY
- 0.5-MILE RADIUS
- SHALLOW EMERGENT MARSH
- RED MAPLE-HARDWOOD SWAMP
- REEDGRASS/PURPLE LOOSESTRIFE MARSH
- FLOODPLAIN FOREST
- CONFINED RIVER
- SUCCESSIONAL NORTHERN HARDWOODS
- SUCCESSIONAL OLDFIELD/SHRUBLAND
- URBAN AND RURAL STRUCTURE EXTERIOR, PAVED AND UNPAVED ROAD/PATH, AND MOWED LAWN WITH TREES
- MOWED LAWN WITH TREES AND PAVED AND UNPAVED ROAD/PATH
- CSX RAILROAD TRACKS

NYSDEC
FISH AND WILDLIFE
RESOURCES IMPACT ANALYSIS
WHITESBORO DRY
CLEANERS SITE
WHITESBORO, NEW YORK

STUDY AREA COVERTYPES

0 300 600 1,200
Feet

FEBRUARY 2014
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O'BRIEN & GERE

FIGURE 4

N

LEGEND

- APPROXIMATE SITE BOUNDARY
- 2-MILE RADIUS
- NWI WETLANDS
- STATE WETLANDS
- STREAMS

NYSDEC
FISH AND WILDLIFE
RESOURCES IMPACT ANALYSIS
WHITESBORO DRY
CLEANERS SITE
WHITESBORO, NEW YORK

NATURAL RESOURCES

0 1,250 2,500 5,000
Feet

FEBRUARY 2014
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New York Natural Heritage Program Correspondence

June 5, 2013

Ms. Tara Salerno
NYSDEC-DFWMR
NY Natural Heritage Program
625 Broadway, 5th Floor
Albany, NY 12233-4757

RE: New York State Department of Environmental Conservation (NYSDEC) – Whitesboro Dry Cleaners Site; Biological Information Request

FILE: 8653\49631

Dear Ms. Salerno:

On behalf of the NYSDEC, O'Brien & Gere is performing a Fish and Wildlife Impact Analysis (FWIA) for the Whitesboro Dry Cleaners Site (Site) located at 130-134 Oriskany Boulevard, Whitesboro, Oneida County, New York. The Site is comprised of a commercial building and a residential building (tax parcel ID 305.014-2-33). The commercial building is approximately 3,300 square feet in area. A small residence, approximately 1,100 square feet, is located on the southeast corner of the Site. The Site is bound by Adirondack Bank and Clinton Street to the north, Owens Place and residential buildings to the east, mixed commercial and residential buildings to the south, and Oriskany Boulevard and commercial buildings to the west.

In accordance with the FWIA process, O'Brien & Gere requests information regarding the potential presence of sensitive resources including rare, threatened, or endangered animal and plant species, natural communities, and/or significant wildlife habitats at or within a 2-mile radius of the Site. Additional information regarding other significant ecological resources, such as wild and scenic rivers, wildlife species of special concern, and records of wildlife mortality would also be greatly appreciated. Please find enclosed a site location map (Figure 1) depicting the Site area.

Thank you for your attention to this matter. If you have any question, please call me at (315) 956- 6229.

Very truly yours,
O'BRIEN & GERE ENGINEERS, INC.

Abby K. Morton
Project Scientist

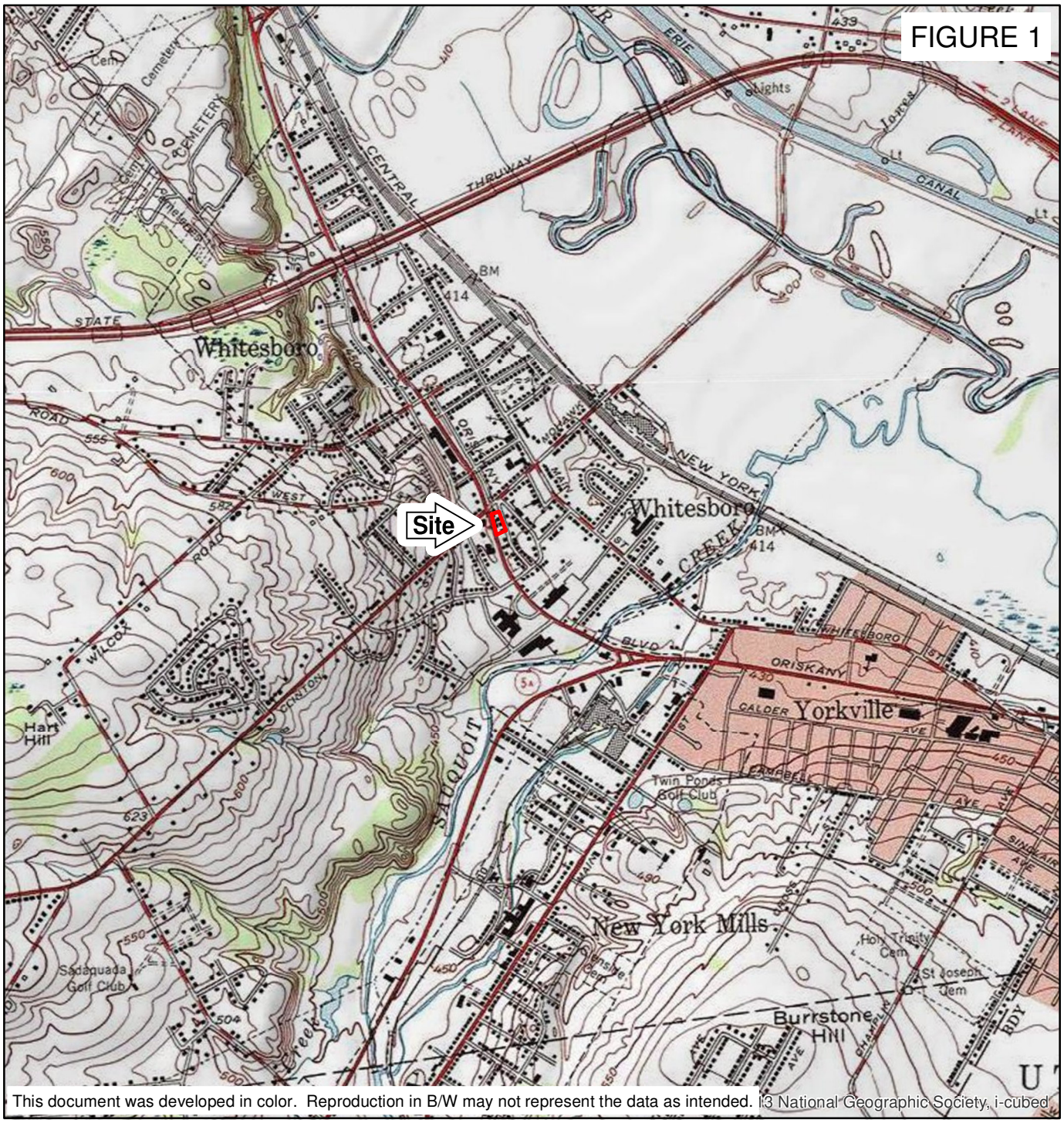
Enclosure (1)

cc: Ronald P. Chiarello – O'Brien & Gere
Scott Tucker – O'Brien & Gere

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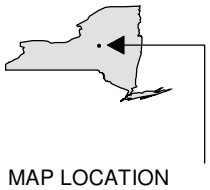
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FIGURE 1



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MAP LOCATION

NYSDEC
130-134 ORISKANY BOULEVARD
WHITESBORO, NEW YORK

N

SITE LOCATION

0 1,000 2,000 4,000 6,000 8,000

Feet

JUNE 2013
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O'BRIEN & GERE

NEW YORK STATE DEPAR TMENT OF ENVIRONMENTAL CONSERVATION
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program
625 Broadway, 5th Floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • **Fax:** (518) 402-8925
Website: www.dec.ny.gov

Joe Martens
Commissioner

June 18, 2013

Abby Morton
O'Brien & Gere
333 W. Washington St, Bx 4873
Syracuse, NY 13221-4873

Dear Ms. Morton:

In response to your recent request, we have reviewed the New York Natural Heritage Database with respect to an Environmental Assessment for the Proposed Whitesboro Dry Cleaner Facility, Project 8653/49631 – site as indicated on the map you enclosed, located in the Town of Whitesboro, Oneida County.

Enclosed is a report of rare or state-listed animals and plants, and significant natural communities, which our database indicates occur, or may occur, on your site or in the immediate vicinity of your site. For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our databases. We cannot provide a definitive statement as to the presence or absence of all rare or state-listed species or significant natural communities. This information should not be substituted for on-site surveys that may be required for environmental impact assessment.

The enclosed report may be included in documents that will be available to the public. However, any maps displaying locations of rare species are considered sensitive information, and should not be included in any document that will be made available to the public, without permission from the New York Natural Heritage Program.

The presence of the plants and animals identified in the enclosed report may result in this project requiring additional review or permit conditions. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, as listed at www.dec.ny.gov/about/39381.html.

Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

Sincerely,

Jean Pietrusiak, Information Services
NYS Department Environmental Conservation

Enc. # 561 A
cc: Reg. 6, Wildlife Mgr.

New York Natural Heritage Program

Report on Historical Records of Rare Animals, Rare Plants, and Natural Communities

The following rare plants and rare animals have historical records at your project site, or in its vicinity.

The following rare plants and animals were documented in the vicinity of the project site at one time, but have not been documented there since 1979 or earlier, and/or there is uncertainty regarding their continued presence. There is no recent information on these plants and animals in the vicinity of the project site and their current status there is unknown. In most cases the precise location of the plant or animal in this vicinity at the time it was last documented is also unknown.

If suitable habitat for these plants or animals is present in the vicinity of the project site, it is possible that they may still occur there. We recommend that any field surveys to the site should include a search for these species, particularly for sites that are currently undeveloped and may still contain suitable habitat.

COMMON NAME	*SCIENTIFIC NAME*	*NYS LISTING*	*HERITAGE CONSERVATION STATUS*
Vascular Plants			
Cypress-knee Sedge	*Carex decomposita*	Endangered	Historical Records Only in NYS
no date: Oriskany. The landscape has been altered by farming, ditching, and railroad construction.			4869
Schweinitz's Sedge	*Carex schweinitzii*	Threatened	Imperiled in NYS
1881: Oriskany.			6132
Clustered Sedge	*Carex cumulata*	Threatened	Imperiled in NYS
1912-08-22: Whitesboro.			10125

This report only includes records from the NY Natural Heritage databases. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. This information should not be substituted for on-site surveys that may be required for environmental impact assessment.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the rare animals and plants in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, from NatureServe Explorer at http://www.natureserve.org/explorer, and from USDA's Plants Database at http://plants.usda.gov/index.html (for plants).

U.S. Fish & Wildlife Service Endangered Species Data

Species Conclusions Table

Project Name: Whitesboro Dry Cleaners Site – Fish & Wildlife Resources Impact Analysis

Site Locations: 130-134 Oriskany Blvd., Whitesboro, NY

Date: January 20, 2014

Species Name/Critical Habitat	Potential Habitat Present?	*Species Present?	Critical Habitat Present?	ESA / Eagle Act Determination (see below**)	Notes / Documentation Summary (include full rationale in your report)
Indiana Bat	No		No		No potential habitat is located at the project site. Site is a developed commercial and residential property with no forested habitat. The nearest potential habitat (wooded floodplain area) is associated with Sauquoit Creek approximately 1,800 feet southeast of the Site.
Northern Long-eared Bat	No		No		No potential habitat is located at the project site. Site is a developed commercial and residential property with no forested habitat. The nearest potential habitat (wooded floodplain area) is associated with Sauquoit Creek approximately 1,800 feet southeast of the Site.
Bog Turtle	No		No		No potential habitat is located at the project site.
				**The project site and associated work area is unlikely to disturb nesting bald eagles.	
					*NYNHP identifies three historical records (attached letter dated June 18, 2013) of rare or state-listed plants on, or in vicinity of the project site.

U.S. Fish and Wildlife Service

Natural Resources of Concern

This resource list is to be used for planning purposes only — it is not an official species list.

Endangered Species Act species list information for your project is available online and listed below for the following FWS Field Offices:

New York Ecological Services Field Office
3817 LUKER ROAD
CORTLAND, NY 13045
(607) 753-9334
http://www.fws.gov/northeast/nyfo/es/section7.htm

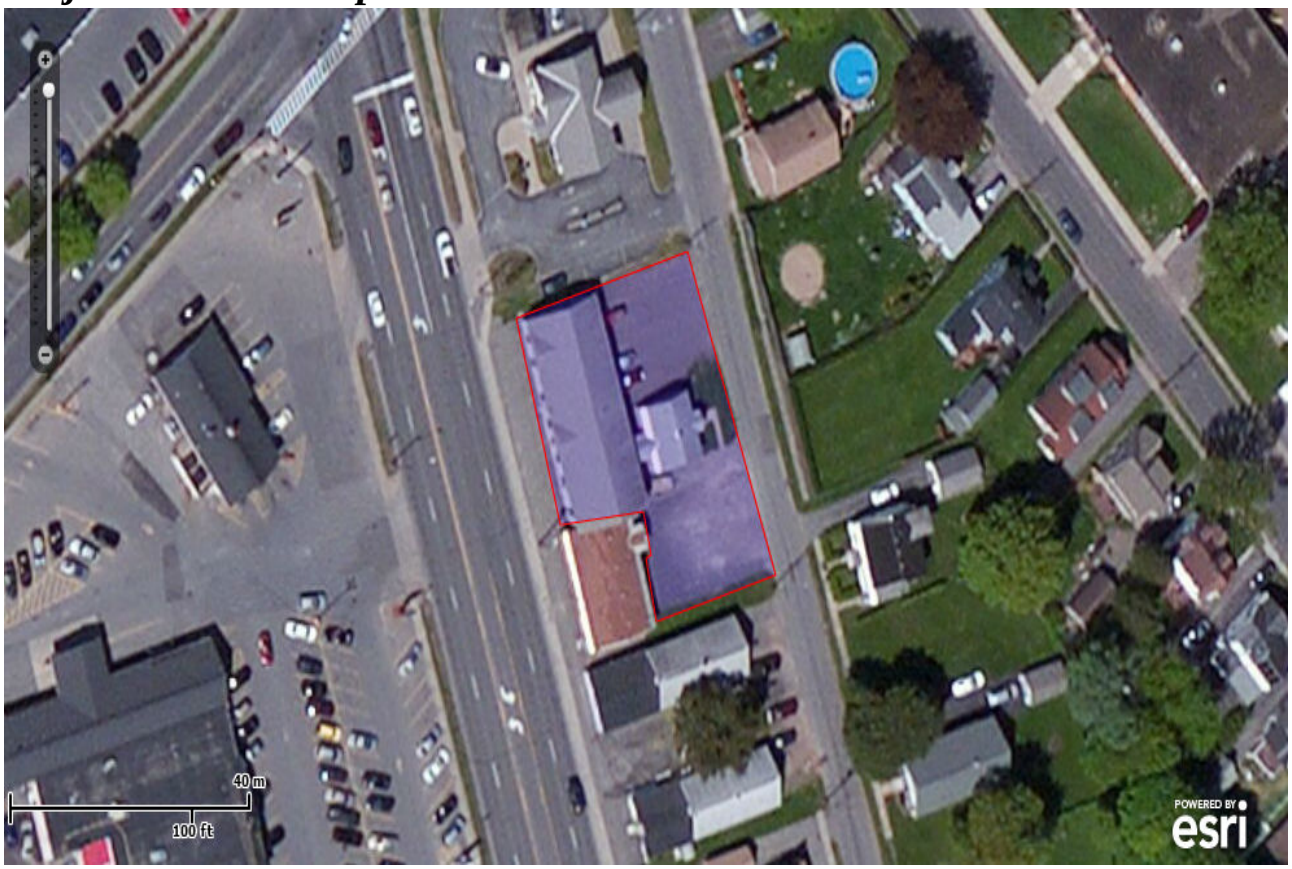
Project Name:

Whitesboro Dry Cleaners

U.S. Fish and Wildlife Service

Natural Resources of Concern

Project Location Map:



Project Location Measurements:

Area : 0.0 ac.

Length : 0.1 mi.

Project Counties:

Oneida, NY

Geographic coordinates (Open Geospatial Consortium Well-Known Text, NAD83):

MULTIPOLYGON (((-75.2929805 43.1197758, -75.2930073 43.119905, -75.293179 43.1198893, -75.2932702 43.1201321, -75.2929161 43.1202104, -75.2927337 43.1198308, -75.2929805 43.1197758)))

U.S. Fish and Wildlife Service

Natural Resources of Concern

Project Type:

** Other **

Endangered Species Act Species List (USFWS Endangered Species Program).

There are a total of **3** threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fishes may appear on the species list because a project could cause downstream effects on the species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section below for critical habitat that lies within your project area. Please contact the designated FWS office if you have questions.

Species that should be considered in an effects analysis for your project:

Mammals	Status		Has Critical Habitat	Contact
Indiana bat (*Myotis sodalis*) Population: Entire	Endangered	species info		New York Ecological Services Field Office
northern long-eared Bat (*Myotis septentrionalis*) Population:	Proposed Endangered	species info		New York Ecological Services Field Office
Reptiles				
Bog Turtle (*Clemmys muhlenbergii*) Population: northern	Threatened	species info		New York Ecological Services Field Office

Critical habitats within your project area:

There are no critical habitats within your project area.

FWS National Wildlife Refuges (USFWS National Wildlife Refuges Program).

There are no refuges found within the vicinity of your project.

U.S. Fish and Wildlife Service

Natural Resources of Concern

FWS Migratory Birds (USFWS Migratory Bird Program).

Most species of birds, including eagles and other raptors, are protected under the Migratory Bird Treaty Act (16 U.S.C. 703). Bald eagles and golden eagles receive additional protection under the Bald and Golden Eagle Protection Act (16 U.S.C. 668). The Service's Birds of Conservation Concern (2008) report identifies species, subspecies, and populations of all migratory nongame birds that, without additional conservation actions, are likely to become listed under the Endangered Species Act as amended (16 U.S.C 1531 et seq.).

Migratory bird information is not available for your project location.

NWI Wetlands (USFWS National Wetlands Inventory).

The U.S. Fish and Wildlife Service is the principal Federal agency that provides information on the extent and status of wetlands in the U.S., via the National Wetlands Inventory Program (NWI). In addition to impacts to wetlands within your immediate project area, wetlands outside of your project area may need to be considered in any evaluation of project impacts, due to the hydrologic nature of wetlands (for example, project activities may affect local hydrology within, and outside of, your immediate project area). It may be helpful to refer to the USFWS National Wetland Inventory website. The designated FWS office can also assist you. Impacts to wetlands and other aquatic habitats from your project may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes. Project Proponents should discuss the relationship of these requirements to their project with the Regulatory Program of the appropriate U.S. Army Corps of Engineers District.

There are no wetlands found within the vicinity of your project.

Photograph Log



Photo 1. Looking east from Oriskany Blvd at the Site's commercial building.
July 24, 2013



Photo 2. Looking west from Owens Pl at the backside of the Site's commercial building and the front of the residential structure. Small mowed grass area (yard) is located next to residential structure.
July 24, 2013



Photo 3. Looking north at area between residential structure and commercial building.
July 24, 2013



Photo 4. Looking south at mowed grass and landscaped area observed on northern portion of the Site.
July 24, 2013

APPENDIX S
QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT (QHHEA) REPORT

Appendix S

Qualitative Human Health Exposure Assessment (QHHEA) Report

Project name	**Whitesboro Dry Cleaners RIR 2023**
Project no.	**1940100088**
Recipient	**NYSDEC**
Document type	**Report**
Version	**2**
Original:	**O'Brien & Gere, 2015 as part of the 2015 Whitesboro Dry Cleaners RI**
Updated:	**08/31/2023**
Prepared by	**Christina Kunz**
Checked by	**Mike Rondinelli**
Approved by	**Michael Grifasi**
Description	**Updated QHHEA from 2015 QHHEA using recent data collection excursions in support of the Whitesboro Dry Cleaners RI.**

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1. Introduction

This Qualitative Human Health Exposure Assessment (QHHEA) was completed in accordance with Appendix 3B of the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Technical Guidance for Site Investigation and Remediation (DER-10)* (NYSDEC 2010), and consists of the following sections:

1. A description of the potential source area and Site Constituents of Concern (COCs);
2. A description of COC migration pathways and impacted media;
3. A description of current and future land use;
4. A description of potential receptors and exposure pathways; and
5. A summary of this QHHEA.

The overall objective of the QHHEA is to identify and characterize the potentially exposed population(s) now and under the reasonably anticipated future use of the Site, and evaluate the completeness of exposure pathways between these receptor populations and Site-related contaminants. This QHHEA is an updated version of the QHHEA submitted in 2014 with the RIR for the Site (130-134 Oriskany Boulevard in Whitesboro, New York) with data collected after 2015, and through 2023, included.

2. Potential Source Area And Constituents Of Concern

2.1 Potential Source Area

The Site, located at 130-134 Oriskany Boulevard in Whitesboro, New York (Remedial Investigation Report [RIR] Figure 1-1), is bounded by Adirondack Bank and Clinton Street to the north, Owens Place and residential buildings to the east, mixed commercial and residential properties to the south, and Oriskany Boulevard and commercial buildings to the west. A small parking area is located between the commercial building and Oriskany Boulevard; a larger parking area is situated between the commercial building and Owens Place. The commercial building has two tenant spaces currently occupied by a thrift store and a dog groomer. A small residence, approximately 1,100 square feet in area, is located on the southeast corner of the Site and is currently occupied. The Site is served by public water, sewer, and utilities (gas and electric) as reported from a search of the Oneida County Real Property (Oneida County 2014).

The Whitesboro Dry Cleaners Site reportedly operated as a dry cleaning operation until the early 1990's (NYSDEC 2014) and included operations involving the use of tetrachloroethylene (PCE). The area of parking lot directly behind the rear doors to the former dry cleaner, adjacent to a pipe observed open to the parking lot surface, has been identified as the potential source area. Membrane Interface Probe (MIP) screening and soil sampling activities conducted during the Remedial Investigation (RI) were used to evaluate the nature and extent of COCs in soils. Both methods indicated this area as the possible source based on elevated concentrations of known dry cleaning contaminants. The RI and prior Site investigations were conducted to characterize the nature and extent of contamination in overburden soils, overburden groundwater, and to evaluate the potential for vapor intrusion at the Site and potentially affected off-Site properties.

A more detailed discussion of Site COCs can be found in **Section 2.2**.

2.2 Primary Constituents of Concern

The RIR includes a discussion of the nature and extent of impacted soils (RIR Section 5.1), groundwater (RIR Section 5.2), and associated subsurface soil vapor (RIR Section 5.3) at the Site and surrounding properties. The primary COCs associated with the Site are volatile organic compounds (VOCs) including PCE, associated degradation products (TCE, trans-1,2-DCE, cis-1,2-DCE, trans-1,2-DCE, and VC), chloroform, and per- and polyfluoroalkyl substances (PFAS) compounds, including perfluorooctane sulfonic acid (PFOS) and

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perfluorooctanoic acid (PFOA). Other compounds have been detected in soils and groundwater at the Site but are generally not considered to be related to activities at the Site.

A summary of the COCs for this Site are provided in **Table 1**. More detailed discussion of Site COCs can be found in the subsequent sections of this QHHEA.

Table 1: Summary of Constituents of Concern

Media	Constituents of Concern (COCs)
Surface Soil (0 to 2 ft bgs)	1,2-benzphenanthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[a]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-cd]pyrene, and lead
Subsurface Soil (2 to 10 ft bgs)	benzene, **cis-1,2-dichloroethylene**, **tetrachloroethene**, **trans-1,2-dichloroethylene**, **trichloroethylene**, and **vinyl chloride**
Overburden Groundwater	benzene, **chloroform**, **cis-1,2-dichloroethylene**, ethylbenzene , iron, isopropylbenzene, manganese, methyl tert-butyl ether, o-xylene, sodium, **tetrachloroethene**, **trans-1,2-dichloroethylene**, **trichloroethylene**, **vinyl chloride, PFOS, and PFOA**

Notes:

Bold- Site related COC

2.3 Surface Soil

Surface soils at the Site were investigated to support characterization of the nature and extent of Site-related COCs in the exposed shallow soil. For purposes of this QHHEA, surface soil is defined as soil from 0 to 2 feet below ground surface (ft bgs) and soil COCs were identified as building-related constituents which exceed the following Soil Cleanup Objectives (SCOs; NYSDEC 2006) per 6 NYCRR 375 Part 373-1.8(g):

- Part 375-6.8 (b) Unrestricted SCOs for Residential Use at residential locations; or
- Part 375-6.8 (b) Restricted SCOs for Residential Use at exposed grass/soil areas adjacent to the on-Site residence; or
- Part 375-6.8 (b) Restricted SCOs for Commercial Use at remaining soil locations.

2015 QHHEA Conclusions

None of the primary Site COCs noted above exceeded applicable SCOs, but PCE and TCE was detected at a maximum concentration of 0.0289 mg/kg and 0.0024 mg/kg, respectively. Constituents exceeding applicable SCOs in at least one sample location included one inorganic (lead) and six polycyclic aromatic hydrocarbon (PAH) compounds (1,2-benzphenanthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[a]fluoranthene, indeno[1,2,3-cd]pyrene, and dibenz[a,h]anthracene). Inorganics are not associated with dry cleaning operations and therefore lead was removed from consideration as a Site-related COC. The six PAH compounds are often associated with urban settings and can be the result of anthropogenic impacts such as asphalt paving, vehicle emissions, tire wear and coal tar-based sealcoats (Bradley *et al.*, 1994; Mahler *et al.*, 2012). The PAH compounds are distributed across the Site, with the highest concentrations observed in exposed shallow soils. The presence of these PAHs in Site soils is likely related to the urban environment rather than to Site-related activities. As such, PAHs were ruled out as Site-related COCs in soil.

2023 QHHEA Data Excursion(s) Conclusions

An additional sampling excursion was performed at the site in 2021 in support of an ongoing ISOTEC bench study. The additional soil boring was collected at 1 to 2 ft bgs and analyzed for VOCs only. The analysis showed no detections; therefore, no VOCs were added to the Site-related COCs in soil list.

2.4 Subsurface Soils

Surface soils at the Site were also investigated to support characterization of the nature and extent of Site-related COCs in deeper soil. For the purposes of this QHHEA, subsurface soil is defined as soil between 2 and 10 ft bgs which was selected as a reasonable depth at which receptors were likely to be exposed based on typical activities**.** Soil COCs were identified as building-related constituents which exceed the following SCOs (NYSDEC 2006) per 6 NYCRR 375 Part 373-1.8(g):

- Part 375-6.8 (b) Unrestricted SCOs for Residential Use at residential locations; or
- Part 375-6.8 (b) Restricted SCOs for Residential Use at exposed grass/soil areas adjacent to the on-Site residence; or
- Part 375-6.8 (b) Restricted SCOs for Commercial Use at remaining soil locations.

2015 QHHEA Conclusions

In addition to the primary Site COCs noted previously, benzene exceeded applicable SCOs from at least one sample location. The presence of benzene is presumably associated with a release at an adjacent spill site (Spill #86-02108). Benzene was therefore removed from consideration as a Site-related COC.

2023 QHHEA Data Excursion(s) Conclusions

An additional sampling excursion was performed at the site in 2021 in support of an ongoing ISOTEC bench study. The additional soil boring was collected at 9 to 10 ft bgs and analyzed for VOCs only. The analysis showed no detections; therefore, no VOCs were added to the Site-related COCs in soil list.

2.5 Groundwater

Overburden groundwater constituents were identified as those exceeding Class GA groundwater standards in New York Codes, Rules and Regulations (NYCRR) Part 703 (NYSDEC 1999) and NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 (NYSDEC 1998). Bedrock groundwater constituents were not evaluated in this QHHEA since groundwater was not encountered during the RI investigation and is estimated to be 40 ft bgs. Therefore, this resource is not available for direct contact by humans under current and probable future land use scenarios at the Site (municipal water is available).

2015 QHHEA Conclusions

In overburden groundwater, the VOCs benzene, chloroform, cis-1,2-DCE, ethylbenzene, isopropylbenzene, methyl tert-butyl ether, o-xylene, TCE, PCE, trans-1,2-DCE, and VC were detected in on-Site and/or off-Site monitoring wells and at concentrations above their respective Class GA Standard in at least one sample. PCE and associated degradation products and chloroform are often associated with dry cleaning operations. Benzene, ethylbenzene, isopropylbenzene, methyl tert-butyl ether, and o-xylene are presumably associated with the spill at the adjacent site discussed in **Section 2.3.1**, and were removed from consideration as Site-related COCs. Iron, manganese, and sodium were detected above Class GA Standards in on-Site and/or off-site monitoring wells, but metals are not associated with dry cleaning operations and therefore were removed from consideration as Site- related COCs.

2023 QHHEA Data Excursion(s) Conclusions

On April 19, 2019, the NYSDEC sampled monitoring wells MW-19, MW-21, and MW-23 for PFAS, resulting in finding detections of PFOS and PFOA above Class GA SGVs in well MW-19. PFOA was also detected in well MW-21 but below Class GA SGVs. Neither PFOS nor PFOA were detected in the off-Site downgradient well MW-23.

In March of 2021, site and offsite wells were sampled as part of ongoing groundwater monitoring of the RI. MW-2 was not sampled due to decommissioning in 2020 as part of the Former Farrell's Chevron Spill #8602108 closure. Monitoring wells 19 and 20 were re-sampled in November of 2022, due to being identified as having the highest VOC concentrations. As VOCs were the chemical group detected above Class GA SGVs and attributed to site activities from the 2013 sampling data, groundwater was analyzed for only VOCs in 2021 and 2022.

In overburden groundwater, PCE was detected in each of the on-Site monitoring wells exceeding Class GA SGVs. PCE degradation products were also observed in each sample from groundwater sampling events. TCE, cis-1,2-DCE, trans-1,2-DCE, and VC were found to exceed Class GA SGVs. Chloroform was not detected during either the March 2021 or November 2022 events at concentrations above the Class GA SGVs. No detections of PCE and/or its associated degradation products were observed at the off-Site upgradient monitoring wells B19NWMW-3 and MW-14.

PFAS were identified in a 2019 groundwater sampling event conducted by NYSDEC, and were subsequently added to the Site-related COC list. Groundwater samples continued to detect constituents associated with non-Site-related anthropogenic sources.

2.6 Air

2015 QHHEA Conclusions

Sub-slab and indoor air sampling was completed at the on-Site commercial and residential structures prior to the 2015 RI. In addition, as part of the 2015 RI, sub-slab and/or indoor air samples were collected from residents proximal to the Site and who agreed to the request for sample collection, as follows:

- 334W
- 340W
- 344W
- 345W
- 347W
- 351W
- 463 R
- 467 R

Sub-slab soil vapor, indoor air, and/or ambient air sampling was performed at each of the above properties consistent with the New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006). Samples were collected in 6 liter SUMMA® canisters over a 24-hour integrated sample duration. Samples were submitted for analysis of standard list VOCs by USEPA Method TO-15.

Groundwater-derived and/or soil-derived vapor constituents were identified as any VOC COC which had been previously identified as exceeding the applicable soil or groundwater standard and NYSDOH vapor intrusion guidance (October 2006) value. NYSDOH has developed guidelines specifically for PCE and TCE in air, among others, to help guide decisions about the nature of efforts to reduce exposure to these chemicals. The concentration range of PCE (1.15 to 54.2 µg/m^3) and TCE (0.21 to 3.76 µg/m^3) in indoor air and PCE (6.71 to 286 µg/m^3) and TCE (0.38 to 4.73 µg/m^3) in the sub-slab space varied across the off-Site area. Other PCE degradation products were also detected at low concentrations; however, no specific NYSDOH guidance values exist for these COCs.

Groundwater-derived and/or soil-derived vapor concentrations of PCE and TCE were compared to applicable NYSDOH guidance (NYSDOH 2006) Decision Matrix for soil vapor / indoor air. Based on the NYSDOH Guidance matrices, and the concentrations in the sub-slab and indoor samples, mitigation was recommended for:

- 130-134 Oriskany Boulevard (On-Site Commercial Building)
- 8 Owens Place (On-Site Residence), and
- 340W (Off-Site Residence).

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Mitigation was required based on PCE sub-slab and indoor concentrations. No monitoring or mitigation was required as a result of TCE concentrations.

It should be noted that the NYSDOH vapor intrusion guidance (October 2006) recommends actions based on the combination of sub-slab and corresponding indoor air concentrations. In September 2013, NYSDOH updated the air guideline value for PCE from 100 to 30 µg/m^3. However, at the time this QHHEA was prepared, NYSDOH had not changed its decision matrix (containing sub-slab and corresponding indoor air concentrations) for PCE.

2023 QHHEA Data Excursion(s) Conclusions

Sub-slab and indoor air sampling was completed at specific on-Site commercial and residential structures in 2016, 2022 and 2023 in support of the 2023 RI addendum. Sub-slab and/or indoor air samples were collected from residents proximal to the Site and who agreed to the request for sample collection, as follows:

- 340W
- 347A

Sub-slab soil vapor, indoor air, and/or ambient air sampling was performed at each of the above properties consistent with the New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006). Samples were collected in 6-liter SUMMA® canisters over a 24-hour integrated sample duration. Samples were submitted for analysis of standard list VOCs by USEPA Method TO-15.

Groundwater-derived and/or soil-derived vapor constituents were identified as any VOC COC which had been previously identified as exceeding the applicable soil or groundwater standard and NYSDOH vapor intrusion guidance (October 2006) value. NYSDOH has developed guidelines specifically for PCE and TCE in air, among others, to help guide decisions about the nature of efforts to reduce exposure to these chemicals.

340W had a partial SSDS installed by OBG prior to 2013 as an IRoM action (reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges or mitigate) for elevated levels of TCE (detected 3.76 µg/m^3 indoor air, and 4.73 µg/m^3 sub-slab) and cis-1,2-DCE (detected 1.63 µg/m^3 indoor air), and to address elevated levels of PCE (detected 29.8 µg/m^3 indoor air, and 286 µg/m^3 sub-slab) that required mitigation. The 2016 sampling follow-up showed SSDS efficacy with TCE, cis-1,2-DCE, PCE were greatly reduced at (0.7, non-detect, and 2.64 µg/m^3 in indoor air, respectively).

347A was selected for air sampling due to lack of past data collection. The 2022 sampling event found elevated levels of TCE (0.81 µg/m^3 indoor air and 17 µg/m^3 sub-slab), triggering NYSDOH monitoring actions be taken. The 2023 sampling event again showed levels of TCE reduced from 2022 (0.41 µg/m^3 indoor air and 15 µg/m^3 sub-slab); however, NYSDOH guidance requires the continuation of the monitoring program for this property.

It should be noted that the NYSDOH vapor intrusion guidance (October 2006) recommends actions based on the combination of sub-slab and corresponding indoor air concentrations. In September 2013, NYSDOH updated the air guideline value for PCE from 100 to 30 µg/m^3, and in August 3026 NYSDOH lowered ambier air guidelines for Trichloroethene and Tetrachloroethene rom 5 µg/m^3 to 2 µg/m^3 and from 100 µg/m^3 to 30 µg/m^3, respectively. The 2023 RI and 2023 QHHEA addendum takes these updated decision matrices into account.

3. CONSTITUENT MIGRATION PATHWAYS AND AFFECTED MEDIA

2015 QHHEA Conclusions

Volatile organic COCs (e.g., PCE) are present in Site soils beneath portions of the former dry cleaner building. VOCs were observed at detectable concentrations in soils across the Site. However, VOC detections in soils

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above Commercial SCOs were limited to PCE and TCE and were restricted to subsurface soils near the suspected source area on the east side of the commercial building. Soil samples collected were generally located beneath paved areas; therefore, primary transport of these chemicals is limited to the migration of the vapors and transport by groundwater. Based on the Henry's Law Constants for PCE and its various breakdown products (e.g., TCE), volatilization of these constituents to soil vapor is expected to occur. As evidenced by the indoor air sampling results for the former dry cleaner building and on-Site residence, cracks or other permeable penetrations in the building slab may permit soil vapors to migrate into the buildings.

The water table was observed in overburden deposits between 5 to 10 ft bgs. When groundwater is in contact with impacted soils, the COCs are likely to become dissolved in and then migrate with the groundwater.

Groundwater flow is predominately horizontal in the overburden at the Site and generally flows to the southeast in the direction of Sauquoit Creek. Groundwater flow and transport of COCs in overburden at the Site primarily occurs within the sand and gravel overburden deposits.

Sorption to soil matrix can retard the migration of VOCs. The naturally occurring carbon content of the soils affects the degree of VOC sorption. Abiotic and biological processes could act to degrade VOCs in the subsurface. Dispersion processes and dilution can act to reduce VOC concentrations in soil vapors in instances when soil vapors discharge to a building or to the ambient air.

2023 QHHEA Addendum

Volatile organic COCs (e.g., PCE and associated breakdown products) continue to be present in in Site soils beneath portions of the former dry cleaner building and in the groundwater flow beneath the Site. PFAS are present in groundwater beneath the Site, and have not been explored in soils. The 2023 QHHEA soil collection data makes no amendment to the conclusions from the 2015 QHHEA.

Site conditions of soil remain under paved areas, and primary transport mechanisms remains limited to migration of the vapors and transport by groundwater. Evidence of volatilization of the PCE and its various breakdown products, was concluded from updated indoor air sampling data. Cracks or other permeable penetrations in the building slab remain a risk for soil vapors to migrate into the buildings. Information collected during 2021 and 2022 groundwater sampling events, continues to support groundwater flow generally to the southeast of the Site. A general decrease in PCE concentrations detected in groundwater, though still above groundwater criterion, suggests the continuation of significant attenuation processes associated with abiotic and biological processes as well as diffusion, dispersion, volatilization, and sorption.

PFAS sampling was conducted during a single event and was limited to three monitoring wells. On-Site PFAS concentrations are attributable to historical dry cleaning operations. With dry cleaning operations ceasing in the early 1990's, on-Site PFAS concentrations are unlikely to increase. Furthermore, attenuation processes such as diffusion, dispersion, and sorption will likely result in decreasing measured PFAS concentrations over time.

4. CURRENT AND FUTURE LAND USE

The current human use patterns at the Site are related to activities occurring within and in proximity to the commercial structure. The on-Site commercial and residential buildings are located in an area zoned for general commercial use in the town of Whitesboro and are immediately bounded by commercial and residential properties. The Site is serviced by public water and groundwater is not used at the Site. The Whitesboro Dry Cleaners Site (Site Code 633054) is designated as "Class 2 Site: Significant threat to the public health or environment - action required" in the NYSDEC Environmental Site Remediation Database (NYSDEC 2014).

Based on the current and likely continued commercial use zoning, it is reasonable to anticipate that the commercial building will continue to be designated for commercial purposes. The most likely future exposure

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scenario assumes that the Site buildings and the pavement/groundcover will remain in place and envisions continued commercial and residential occupancy. One hypothetical future scenario envisions possible construction activities in paved/unpaved areas, including penetration/removal of paved areas, and thus exposure to groundwater and to both surface and subsurface soil during excavation activities. For this QHHEA, both hypothetical future land use scenarios are considered.

2023 QHHEA Addendum

Human use patterns at the Site have not changed from 2015 conclusions; future use scenarios remain unchanged.

5. POTENTIALLY EXPOSED RECEPTORS AND EXPOSURE PATHWAYS

The potential COC release mechanisms and receiving media were evaluated utilizing building histories and data from prior investigation reports and the current RIR. The fate and transport of the COCs from the source were considered to identify media which may be impacted off-Site. Potential points of contact with COCs by human receptors were then evaluated based on current and potential future uses of the Site and adjacent area. The demography of local populations and land use characteristics were taken into consideration when the pathways were developed.

The exposure pathways considered for evaluation in this QHHEA include human receptors potentially coming into direct contact with soil via incidental ingestion, dermal exposure, and inhalation of soil dust or vapors in ambient air, and indirect contact with soil or groundwater via inhalation of indoor air. Direct exposure to overburden groundwater (*i.e.*, dermal contact) is also a potentially complete exposure pathway. Bedrock groundwater is known to be impacted and public water is available and already in use; therefore, groundwater is not considered a future source of potable water.

5.1 On-Site Receptors and Exposure Pathways

The specific receptors/pathways on-Site considered in this QHHEA are as follows:

On-Site Receptor(s)	Exposure Pathways
Current/future resident:	Evaluations of resident exposures to chemicals are typically conducted on young children and adults. Therefore, the current/future resident exposure assessment are focused on young children (< 6 years old) and adults (>18 years old). Child and adult residents may be exposed to Site-related COCs in surface soil through incidental ingestion, dermal contact, and inhalation of ambient vapors and fugitive dust during activities such as gardening and grounds maintenance. Indirect exposure via inhalation of groundwater-derived and/or soil-derived vapors in the interior space of the residential building is considered a complete exposure pathway.
Current/future commercial worker:	Commercial workers (>18 years) are assumed to work within the existing commercial building or, under a hypothetical future scenario, another building in its place. Direct contact with contaminants in the soil is unlikely because the majority of the Site is covered with buildings and pavement and work is conducted within the building. Under a current/future commercial use scenario, indirect exposure via inhalation of groundwater-derived and/or soil-derived vapors in the interior space of the building is considered a complete exposure pathway
Current/future utility worker:	Underground sewer and/or water lines may require periodic inspection, servicing, and maintenance. Therefore, a utility worker is evaluated in a current and future scenario that considers potential exposures during the course of utility inspections, excavation, and/or construction activities. The utility worker is an adult (>18 years), and may be exposed to Site-related COCs in surface and subsurface soil through incidental ingestion, dermal contact, and inhalation of ambient vapors and fugitive dust. Dermal contact with affected groundwater is also a potential exposure scenario. Indirect exposure via inhalation of groundwater-derived and/or soil-

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	derived vapors is considered a complete exposure pathway. Utility are not likely to extend below 10 ft bgs; therefore, this depth was selected as the lower limit for utility worker exposures.
Future construction worker:	The hypothetical future construction worker is selected as a receptor for this QHHEA due to the potential for excavation and/or construction to occur at the Site in the future. These workers may receive significant exposure to surface and subsurface soil during excavation activities. The construction worker is an adult (>18 years), and may be exposed to Site-related COCs in surface soil and subsurface soil through incidental ingestion, dermal contact, and inhalation of ambient vapors and fugitive dust. Dermal contact with affected groundwater is also a potential exposure scenario. Indirect exposure via inhalation of groundwater-derived and/or soil-derived vapors is considered a complete exposure pathway. Ten feet was selected as a reasonable maximum depth at which construction workers are likely to be exposed based on the depths of typical construction excavations. Utility are not likely to extend below 10 ft bgs; therefore, this depth was selected as the lower limit for utility worker exposures.
Not Evaluated	
Facility contractors/subcontractors:	Individual's associated with the collection and handling of environmental samples and with the potential treatment of impacted soil and groundwater are not evaluated in this QHHEA. The activities of these workers are typically covered under a facility-specific Health and Safety Plan (HASP), which provides for the use of personal protective equipment (PPE) and includes preventative procedures for eliminating exposure and maximizing personal safety.

The environmental media, exposure routes, and potential human receptors relevant to the Whitesboro Dry Cleaners Site QHHEA are summarized in **Table 5-1.**

Table 5-1: On-Site Human Exposure Pathway Analysis

Environmental Media and Exposure Route	Potential Receptors	Human Exposure Assessment
Direct contact with surface soils (0-2 ft bgs) via incidental ingestion, dermal contact, inhalation of ambient dust/vapors*	Current/future resident (child and adult)	Current/future exposure to surface soil by residents is possible due to exposure to soils by incidental ingestion, dermal contact, and inhalation of soil dust/vapors in ambient air.
	Current/future utility worker	The site is primarily covered by blacktop or the building footprint; therefore, commercial workers would not likely be exposed to surface soils. During underground sewer and/or water line inspection, servicing, and maintenance activities, current/future utility workers could come into contact with surface soil through incidental ingestion, dermal contact, and inhalation of soil dust/vapors in ambient air.
	Future construction worker	Future construction workers may be exposed to surface soil through duties which may result in exposure via incidental ingestion, dermal contact, and inhalation of soil dust/vapors in ambient air.
Direct contact with subsurface soils (2-10 ft bgs) via incidental ingestion, dermal contact, inhalation of ambient dust/vapors	Current/future utility worker	Residents and commercial workers will likely not participate in excavation activities that expose subsurface soil. During underground sewer and/or water line inspection, servicing, and maintenance activities, current/future utility workers could come into contact with subsurface soil through incidental ingestion, dermal contact, and inhalation of soil dust/vapors in ambient air.
	Future construction worker	Future construction workers may be exposed to subsurface soil through duties which may result in

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		exposure via incidental ingestion, dermal contact, and inhalation of soil dust/vapors in ambient air.
Inhalation of groundwater- derived and/or soil- derived vapors	Current/future resident (child and adult)	Current/future residents could inhale vapors originating from surface soil, subsurface soil, and/or groundwater vapor intrusion into the residential building.
	Current/future commercial worker	Current/future commercial workers could inhale vapors originating from surface soil, subsurface soil and/or groundwater vapor into the interior space of the commercial building.
	Current/future utility worker	Inhalation of vapors during construction and maintenance activities by current/future utility workers and future construction workers is a complete pathway for these receptors.
	Future construction worker	
Direct contact with overburden groundwater	Current/future utility worker	During excavation activities, current/future utility workers and future construction workers could work in an excavation or provide maintenance/servicing at or below the water table. These workers may be exposed to shallow groundwater via dermal contact.
	Future construction worker	

Notes:

***** – No Site COCs were found to be above applicable SCOs within surface soils.

5.2 Off-Site Receptors and Exposure Pathways

The specific receptors/pathways off-Site considered in this QHHEA are as follows:

> ***Current/future resident***: Child (< 6 years old) and adult (>18 years old) residents may be exposed to indirect exposure to Site-related COCs via inhalation of groundwater-derived and/or soil-derived vapors in the interior space of residential buildings. Indoor air inhalation by residents is therefore considered a complete exposure pathway. It should be noted that with the exception of 340W, all off-Site properties sampled for vapor intrusion concentrations of Site-related COCs were found to be non-detect or below concentrations that warrant monitoring or mitigation based on NYSDOH guidance (NYSDEC,2006) . Mitigation measures at 340W are under consideration by the property owner but not yet completed as of the date of this report (see **Section 5.3**).

Table 5-2: Off-Site Human Exposure Pathway Analysis

Environmental Media and Exposure Route	Potential Receptors	Human Exposure Assessment
Inhalation of groundwater-derived and/or soil-derived vapors	Current/future resident (child and adult)	Current/future residents could inhale vapors originating from surface soil, subsurface soil, and/or groundwater vapor intrusion into residential buildings.

5.3 Exposure Mitigation Measures

2015 QHHEA Measures

Interim remedial measures (IRMs) are often planned and executed prior to implementation of final remedies as a means of addressing exposures as they are identified. IRMs have been implemented at this Site, and have included:

On-Site Vapor Extraction Systems: At the request of the NYSDEC and NYSDOH, a sub-slab depressurization system (SSDS) was installed on-Site at:

- 8 Owens Place

SSDSs were reportedly installed, by others, on-Site at:

- 130 Oriskany Boulevard
- 134 Oriskany Boulevard

The SSDSs were installed to mitigate sub-slab concentrations of Site-related VOCs and, hence, reduce human exposure to these compounds in indoor air.

Off-Site Vapor Extraction Systems. A design drawing for a SSDS at 340W was approved by NYSDEC and installation is under consideration by the property owner. The SSDS had not been installed as of the date of this report. These actions were completed to mitigate potential off-Site exposure via vapor intrusion.

2023 QHHEA Addendum

The design for SSDS at 340W approved by NYSDEC was approved by the property owner. The partial SSDS was installed on August 26, 2015. PMIA sampling of this property in 2016 confirmed the effectiveness of the partial SSDS system. Sampling results from 347A indicated elevated levels of TCE. A comparison of the February 2023 indoor air and sub-slab results to the NYSDOH Decision Matrices, TCE detections indicate that further monitoring be performed at 347A.

6. 2023 QHHEA SUMMARY AND CONCLUSIONS

The objectives of this QHHEA were to evaluate potential human exposure to facility-related COCs under current and reasonably anticipated future use scenarios. Based on the RIR, the primary COCs at the Whitesboro Dry Cleaners Site are PCE, its associated breakdown products, and PFAS compounds. Dry cleaning operations at the Site contributed to the release of PCE, its degradation products, and potentially PFAS compounds to environmental media at the Site. Migration of PCE and its degradation products off-site appears to have occurred based on the results of vapor intrusion investigations at select off-Site properties. The PFAS compounds PFOS and PFOA were not detected downgradient of the Site.

Based on current facility zoning (commercial land use), it is reasonable to anticipate that this Site will continue to be used for commercial purposes in the future. The most likely future exposure scenario assumes that the buildings, building slabs, and pavement/groundcover will remain in place for the foreseeable future. Potential receptors and potentially complete exposure pathways under current and reasonably foreseeable future scenarios include:

Current/future residents (child and adult) on-Site, potentially exposed to COCs in surface soil through incidental ingestion, dermal contact, and inhalation of fugitive dust and vapor in ambient air and indirect exposure to groundwater-derived and/or soil-derived vapors via inhalation in the interior spaces of the on-Site residence;

Current/future commercial workers that work within the existing commercial building or, under a hypothetical future use scenario, another building in its place. Commercial workers may be exposed indirectly to groundwater-derived and/or soil-derived vapors via inhalation in the interior spaces of the Site commercial building;

Future construction workers that could be involved with hypothetical construction-related activities, potentially exposed to COCs in surface and subsurface soil through incidental ingestion, dermal contact, and inhalation of ambient vapors/fugitive dust, as well as dermal contact with affected groundwater;

Current/future utility workers that could be involved with future utility-related activities, potentially exposed to COCs in surface and subsurface soil through incidental ingestion, dermal contact, and inhalation of ambient vapors/fugitive dust, as well as dermal contact with affected groundwater; and

Current/future residents (child and adult) that live off-Site, potentially exposed to Site-related COCs in indoor air in their respective residences.

While the pathways are complete for groundwater-derived and/or soil-derived vapors via inhalation in the interior spaces, mitigation systems are presently operating at on-Site buildings. Under current conditions, these systems address the indoor air inhalation pathway.

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EXHIBIT A
HISTORICAL REPORTS

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EXHIBIT A
HISTORICAL REPORTS

ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527
SYRACUSE
(315) 635-9818

December 12, 2006

Mr. Jerry Alsante
NYSDEC Region 6
207 Genesee Street
Utica, NY 13501-2885

RECEIVED NYSDEC
DEC 14 2006
REGION 6 UTICA

RE: ***NOVEMBER 2006 QUARTERLY SITE MONITORING REPORT***
FARRELL'S GARAGE (FORMERLY)
136 ORISKANY BOULEVARD – WHITESBORO, NEW YORK
NYSDEC SPILL #86-02108; PIN 94599

Dear Mr. Alsante:

Please find below a summary of quarterly site monitoring activities and data from the above-referenced NYSDEC project. Nature's Way Environmental Consultants & Contractors, Inc. (Nature's Way) has been performing site operations/maintenance, sampling, and reporting activities at the site for the NYSDEC (Region 6) since mid-March 2001. Site checks of the air sparging (AS)/soil vapor extraction (SVE) remedial systems were performed approximately every two weeks (AS/SVE system removed on September 4, 2002). Currently, groundwater gauging and sampling events occur quarterly. The following is a summary of site activities performed in the monitoring period ending in November 2006. Please note that due to insufficient groundwater recovery during recent HVE events, vacuum extraction at the site has been discontinued.

Quarterly Groundwater Monitoring

On November 22, 2006, static water levels in four existing monitoring wells (MW-8, MW-9, MW-11, and MW-15) were gauged using a sonic interface probe. The depth to groundwater measured on November 22nd varied from 7.17 feet below the top of the casing in MW-11 to 9.62 feet below the top of the casing in MW-8 (see Table 1).

Groundwater samples were collected from the monitoring wells MW-9 and MW-11 for VOC laboratory analysis in accordance with USEPA Method 8260 STARS with MTBE and TBA. VOCs were reported at moderate total concentrations in samples collected from MW-9 and MW-11. For further information, refer to Table 2.

A VOC Distribution Map for the November 2006 analytical results has been prepared (see Figure 3) and indicates the continued presence of moderate total VOC concentrations in MW-9 and MW-11.

Groundwater Extraction

On August 18, 2005 Nature's Way was contracted to perform bi-weekly HVE events at monitoring wells MW-8 and MW-9. The first groundwater extraction event was conducted on August 23, 2005 yielding a total of 94 gallons of petroleum-contaminated groundwater for disposal at Industrial Oil. Currently, Nature's Way performs HVE events on a monthly basis; groundwater extraction activities are conducted at monitoring wells MW-9 and MW-11. See Table 4 for chronological HVE data.

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Remedial System Information

During the March 8, 2002 site inspection, the air sparge compressor was found inoperable (worn bearings) and at the request of the NYSDEC, was not repaired. During subsequent quarters, influent PID readings remained below 5 parts per million despite efforts to increase vapor recovery by rotating one or two of the three SVE well couplets off-line/on-line during specific site checks. In addition, individual SVE wells were buried many years ago and are not accessible, making it impossible to turn off extraction wells in 'cleaner' areas. Past laboratory analysis of soil and groundwater samples collected from soil borings and monitoring wells in the immediate vicinity of the air sparge and vapor extraction wells has indicated that continued operation of the system would not be a cost-effective approach to attaining site closure in this area.

In the July 2002 Quarterly Site Monitoring Report, system decommissioning was recommended and subsequently approved by the NYSDEC. On September 4, 2002, the electric service to the equipment shed was disconnected and Nature's Way removed all main components of the AS/SVE system (the electric panel was left attached to an outside wall of the shed). Currently, the treatment system shed is being employed for storage of a storage drum.

Recommendations

- Based on persistent total VOC concentrations found in samples collected from monitoring wells MW-9 and MW-11 quarterly groundwater sampling events should continue. Subsequent to groundwater monitoring for two to three additional quarterly monitoring periods, the site should be evaluated for closure status. This evaluation should include the following in the decision-making process, proximity of the site to potential sensitive environmental receptors and potable water supply source for the site and adjacent properties.

If you have any questions or require further information, please contact me at (315) 635-9818.

Sincerely yours,

Nature's Way Environmental Consultants & Contractors, Inc.

Jerry Howell
Project Manager

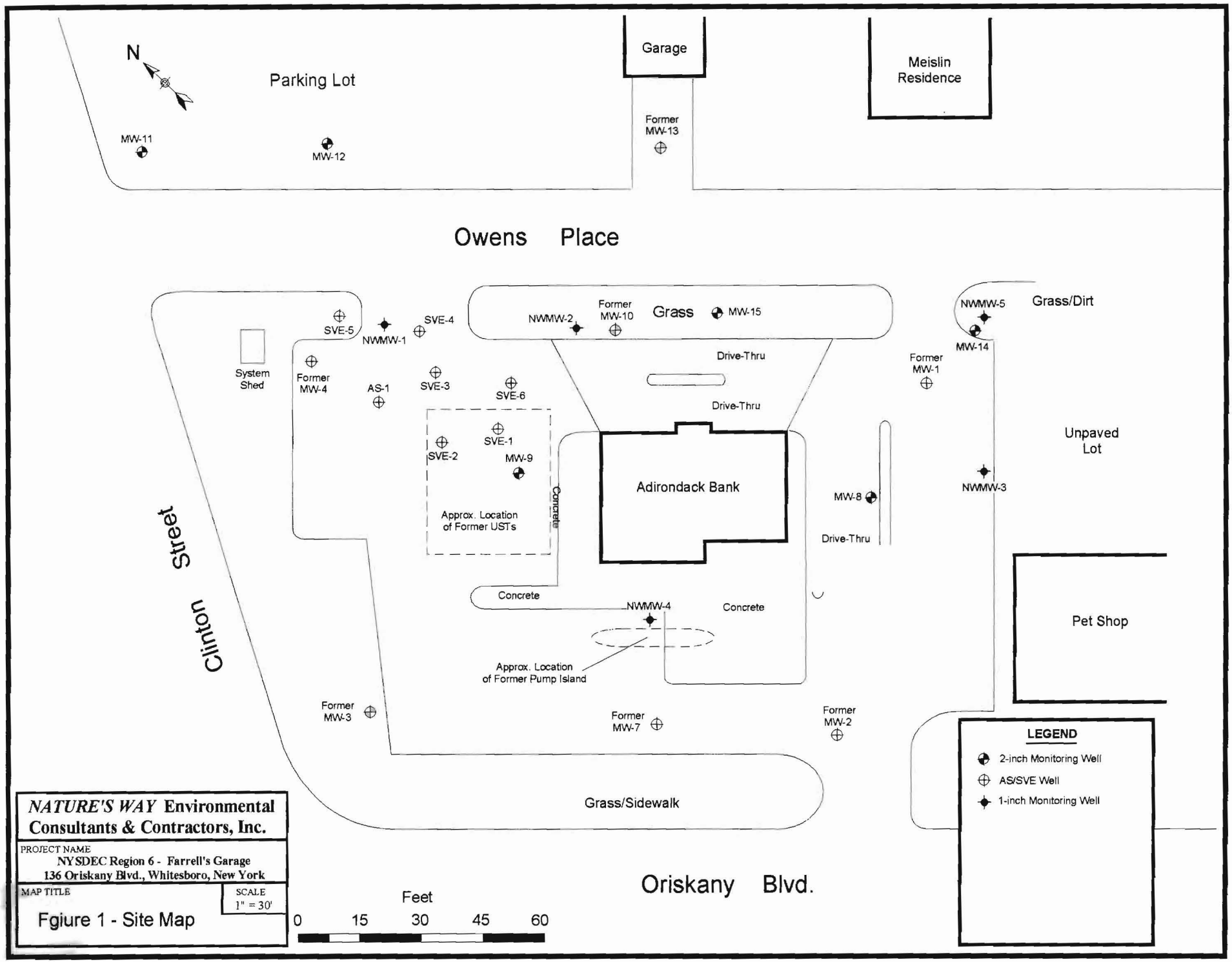
Enclosures: Figure 1 – Site Map
Figure 2 – Groundwater Flow Direction Map (11/06)
Figure 3 - VOC Distribution Map (11/06)

Table 1 – Chronological Summary of Groundwater Elevations
Table 2 - Summary of Groundwater Analytical Results – 11/22/06
Table 3 - Chronological Summary of Analytical Results
Table 4 – HVE Groundwater Extraction Summary

Note: Laboratory analytical results have previously been submitted to the NYSDEC Region 6 Utica office and copies have not been included in this report (summarized in tables).

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Figures

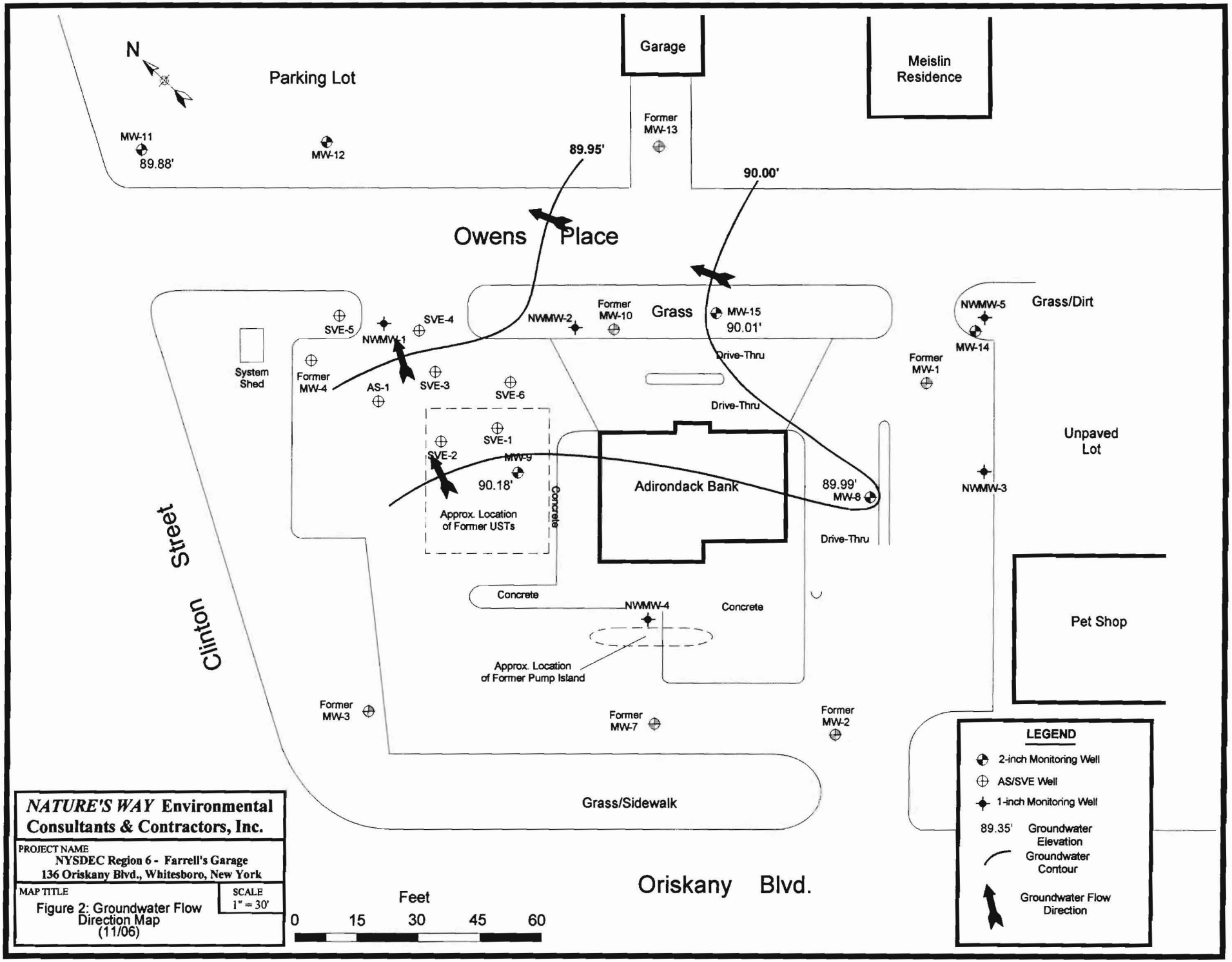


NATURE'S WAY Environmental Consultants & Contractors, Inc.

PROJECT NAME
NYSDEC Region 6 - Farrell's Garage
136 Oriskany Blvd., Whitesboro, New York

MAP TITLE
Fgiure 1 - Site Map

SCALE
1" = 30'

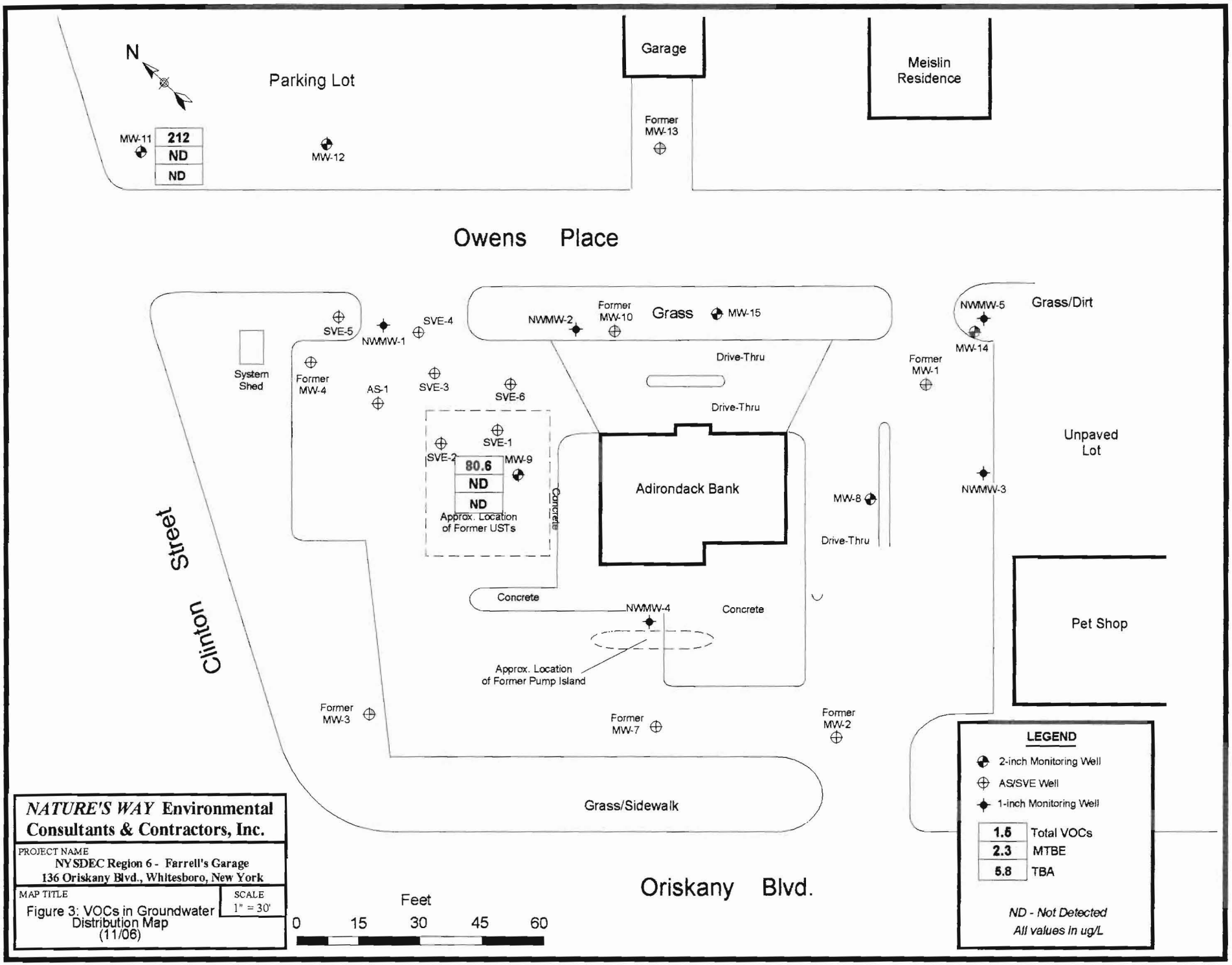


NATURE'S WAY Environmental Consultants & Contractors, Inc.

PROJECT NAME
NYSDEC Region 6 - Farrell's Garage
136 Oriskany Blvd., Whitesboro, New York

MAP TITLE
Figure 2: Groundwater Flow Direction Map (11/06)

SCALE
1" = 30'



NATURE'S WAY Environmental Consultants & Contractors, Inc.

PROJECT NAME
NYSDEC Region 6 - Farrell's Garage
136 Oriskany Blvd., Whitesboro, New York

MAP TITLE
Figure 3: VOCs in Groundwater Distribution Map (11/06)

SCALE
1" = 30'

Tables

Table 1 (cont'd)

Chronological Summary of Groundwater Elevations

Former Farrell's Garage - Whitesboro, New York

Spill #86-02108; PIN #94599

Well No.	MW-2	MW-7	MW-8	MW-9	MW-11	MW-12	MW-13	MW-14	MW-15	NWMW-1	NWMW-2	NWMW-3	NWMW-4
Top of Casing El	99.76	99.85	99.01	99.22	97.05	96.50	95.67	96.98	98.98	97.65	98.30	98.66	100.36
Bottom of Screen El	79.76	84.85	86.01	84.22	83.05	82.50	81.67	81.98	83.98	85.65	86.30	86.66	88.36
Top of Screen El	N/A	94.85	96.01	94.22	93.05	92.50	91.67	91.98	93.98	90.65	91.30	91.66	93.36
Date	**MW-2**	**MW-7**	**MW-8**	**MW-9**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**NWMW-1**	**NWMW-2**	**NWMW-3**	**NWMW-4**
4/15/02	90.15	90.28	90.27	90.55	90.02	90.23	91.02	90.38	90.27	90.21	90.40	90.52	90.21
7/9/02	89.81	89.94	89.44	89.99	89.20	89.21	89.22	89.58	89.62	89.36	89.33	89.85	89.85
10/15/02	89.86	89.94	89.85	89.76	89.13	89.10	89.38	89.67	89.73	89.25	89.40	89.95	89.87
1/29/03	89.74	89.86	92.75	89.69	89.20	89.19	89.27	89.57	92.23	89.40	NA	NA	89.76
4/9/03	90.15	90.30	90.19	90.18	89.79	89.82	90.60	89.93	89.96	90.00	89.98	90.18	90.20
7/22/03	89.96	90.07	89.96	89.85	89.26	89.35	90.22	89.93	89.93	89.55	89.70	90.01	89.96
10/14/03	89.74	89.85	89.76	89.68	89.05	89.05	89.23	89.60	89.55	89.18	89.28	89.72	89.76
1/5/04	**90.02**	**91.05**	**90.08* (0.02')**	**90.06**	**89.69**	**89.70**	**89.92**	**90.01**	**89.88**	**89.93**	**89.90**	**90.20**	**90.05**
5/23/05	**NG**	**NG**	**90.10**	**89.90**	**NG**	**NG**	**NG**	**NG**	**NG**	**NG**	**NG**	**NG**	**NG**
8/29/05	**Destroyed**	**Destroyed**	**89.75**	**89.54**	**NG**	**88.93**	**NG**	**89.77**	**89.66**	**88.98**	**88.92**	**89.75**	**Dry**
11/15/05			**90.24**	**90.42**	**89.76**	**89.78**	**Destroyed**	**90.25**	**90.07**	**89.82**	**89.71**	**Buried**	**Dry**
2/2/06			**90.24**	**90.20**	**89.93**	**89.92**		**90.13**	**90.12**	**90.01**	**89.96**		**Dry**
4/16/06	**No Gauging Due to HVE Event**												
5/2/06	**No Gauging Due to HVE Event**												
5/24/06	**No Gauging Due to HVE Event**												
8/18/06	**NG**	**NG**	**89.98**	**89.83**	**89.34**	**NG**		**NG**	**NG**	**NG**	**NG**		**NG**
11/22/06	**NG**	**NG**	**89.99**	**90.18**	**89.88**	**NG**		**NG**	**90.01**	**NG**	**NG**		**NG**

Elevations and depths to water are in feet.
N/A - No data available.
NI - Not installed.
* - Corrected groundwater elevation. Free product thickness in parentheses.
** - Car parked over well.

Wells MW-1, MW-3 through MW-6, and MW-10 destroyed prior to 5/29/96.
Wells re-surveyed by EPS on 5/29/96.
Wells re-surveyed by Nature's Way on 3/8/02.
NG - Not gauged.

All data prior to March 2001 obtained from reports submitted by Environmental Products & Services, Inc.

Table 1
Chronological Summary of Groundwater Elevations
Former Farrell's Garage - Whitesboro, New York
Spill #86-02108; PIN #94599

Well No.	MW-2	MW-7	MW-8	MW-9	MW-11	MW-12	MW-13	MW-14	MW-15	NWMW-1	NWMW-2	NWMW-3	NWMW-4
Top of Casing El	98.49	98.92	97.30	98.00	95.75	95.15	94.25	NI	NI	NI	NI	NI	NI
Bottom of Screen El	N/A	83.92	84.30	83.00	81.75	81.15	80.25	NI	NI	NI	NI	NI	NI
Top of Screen El	N/A	93.92	94.30	93.00	91.75	91.15	90.25	NI	NI	NI	NI	NI	NI
Date	**MW-2**	**MW-7**	**MW-8**	**MW-9**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**NWMW-1**	**NWMW-2**	**NWMW-3**	**NWMW-4**
12/3/93	88.83	N/A	N/A	N/A	N/A	N/A	N/A	NI	NI	NI	NI	NI	NI
12/23/93	88.76	N/A	88.88	88.81	N/A	N/A	N/A	NI	NI	NI	NI	NI	NI
3/30/94	89.41	89.61	89.73	89.94	89.82	89.79	89.74	NI	NI	NI	NI	NI	NI
6/10/94	89.74	88.91	88.75	88.67	88.11	88.08	88.15	NI	NI	NI	NI	NI	NI
Well No.	**MW-2**	**MW-7**	**MW-8**	**MW-9**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**NWMW-1**	**NWMW-2**	**NWMW-3**	**NWMW-4**
Top of Casing El	98.98	99.08	97.84	98.43	96.26	95.66	93.82	95.82	97.86	NI	NI	NI	NI
Bottom of Screen El	78.98	84.08	84.84	83.43	82.26	81.66	79.82	80.82	82.86	NI	NI	NI	NI
Top of Screen El	N/A	94.08	94.84	93.43	92.26	91.66	89.82	90.82	92.86	NI	NI	NI	NI
Date	**MW-2**	**MW-7**	**MW-8**	**MW-9**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**NWMW-1**	**NWMW-2**	**NWMW-3**	**NWMW-4**
5/29/96	89.40	89.55	89.41*	89.19	88.85	88.83	87.92	NI	NI	NI	NI	NI	NI
8/22/96	89.20	89.32	89.20	88.81	88.36	88.37	87.53	NI	NI	NI	NI	NI	NI
11/25/96	89.34	89.47	89.45*	89.10	88.79	88.79	87.92	NI	NI	NI	NI	NI	NI
2/12/97	89.14	89.36	89.21*	88.93	88.65	88.64	87.78	NI	NI	NI	NI	NI	NI
1/29/98	89.33	89.50	88.98*	89.32	88.80	88.79	87.90	NI	NI	NI	NI	NI	NI
4/29/98	89.25	89.42	N/A	89.12	90.27	88.78	86.30	NI	NI	NI	NI	NI	NI
7/10/98	89.37	89.49	88.88*	89.29	88.72	88.71	87.91	NI	NI	NI	NI	NI	NI
10/14/98	89.11	89.19	88.73	88.85	88.31	88.34	87.98	NI	NI	NI	NI	NI	NI
1/22/99	89.26	89.46	88.82	88.96	88.57	88.57	87.93	NI	NI	NI	NI	NI	NI
4/15/99	89.36	89.47	88.92	89.28	88.76	88.72	87.85	88.79	88.82	NI	NI	NI	NI
5/6/99	89.25	89.38	DRY	89.09	88.57	88.54	87.65	88.70	88.68	NI	NI	NI	NI
7/7/99	89.63	89.77	88.62*	89.62	89.11	N/A**	88.62	89.12	89.06	NI	NI	NI	NI
10/7/99	89.46	89.57	88.34*	89.92	88.84	88.26	89.31	88.95	88.95	NI	NI	NI	NI
1/25/00	89.30	89.41	N/A	89.27	88.76	88.71	87.79	88.77	N/A	NI	NI	NI	NI
4/20/00	89.28	89.47	88.82	88.93	88.64	88.56	N/A	88.82	88.94	NI	NI	NI	NI
7/6/00	89.28	90.33	88.84	89.38	88.64	88.59	87.69	88.12	88.73	NI	NI	NI	NI
10/12/00	89.30	89.37	88.86	89.22	88.59	88.57	87.72	88.73	88.75	NI	NI	NI	NI
4/9/01	89.47	89.77	89.43* (0.05')	89.93	89.51	89.56	88.82	89.32	88.95	NI	NI	NI	NI
7/20/01	89.18	89.35	88.87* (0.15')	89.34	88.55	88.51	87.71	88.62	88.73	NI	NI	NI	NI
10/9/01	NG	NG	88.83	89.40	88.75	88.65	N/A**	88.67	88.73	NI	NI	NI	NI
1/7/02	89.30	89.28	89.59	89.33	88.56	88.46	87.67	86.87	88.66	NI	NI	NI	NI

Elevations and depths to water are in feet.
N/A No data available.
NI - Not installed.
Wells MW-1, MW-3 through MW-6, and MW-10 destoryed prior to 5/29/96.
Wells re-surveyed by Nature's Way on 3/8/02.

** - Car parked over well.
Free product thickness in parentheses.
Wells re-surveyed by EPS on 5/29/96.
NG - Not gauged.
* - Corrected groundwater elevation.

Table 2 - Summary of Groundwater Analytical Results
Samples Collected on November 22, 2006
NYSDEC Region 6 -Farrell's Garage
136 Oriskany Boulevard -- Whitesboro, New York
NYSDEC Spill # 86-02108 ; PIN 94599

VOC Compounds	MW-8	MW-9	MW-11	MW-12	MW-13	MW-14	MW-15	NWMW-1	NWMW-2	NWMW-3	NWMW-4	NYS DEC GW Standard
Benzene	NS	**7**	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.7
sec-Butylbenzene	NS	2	4	NS	NS	NS	NS	NS	NS	NS	NS	5
Ethylbenzene	NS	**22**	**80**	NS	NS	NS	NS	NS	NS	NS	NS	5
Ispropylbenzene	NS	**5**	**20**	NS	NS	NS	NS	NS	NS	NS	NS	5
Naphthalene	NS	2	3	NS	NS	NS	NS	NS	NS	NS	NS	10
n-Propylbenzene	NS	**12**	**47**	NS	NS	NS	NS	NS	NS	NS	NS	5
Toluene	NS	0.6	ND	NS	NS	NS	NS	NS	NS	NS	NS	5
1,2,4-Trimethylbenzene	NS	**20**	**35**	NS	NS	NS	NS	NS	NS	NS	NS	5
1,3,5-Trimethylbenzene	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	5
o-Xylene	NS	2	4	NS	NS	NS	NS	NS	NS	NS	NS	5
m,p-Xylene	NS	2	3	NS	NS	NS	NS	NS	NS	NS	NS	5
All other compounds:	NS	2	**9**	NS	NS	NS	NS	NS	NS	NS	NS	
*Sum of Reported Values *:*	**NS**	**80.6**	**212**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	
Methyl-tert-butyl ether	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	10
t-Butyl alcohol	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	

Analysis was EPA Method 8021 STARS + MTBE and TBA.

All values reported in ug/L (ppb).
VOC = Volatile Organic Compounds.
ND = Not Detected above indicated detection limit.

* Sum of all detected compounds not including MTBE or TBA.
Values in **BOLD** above groundwater standards.
NS = Not Sampled

Table 3 - Chronological Summary of Groundwater Analytical Results

NYSDEC Region 6 -Farrell's Garage
136 Oriskany Boulevard – Whitesboro, New York
NYSDEC Spill # 86-02108 ; PIN 94599

Location	Analysis	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total VOCs	MTBE	SVOCs	Chlorinated Solvents
AS-1	US EPA Method 8020 (ug/l)	10/12/89	NS	NS	NS	NS	NS	--	--	--
		11/13/89	NS	NS	NS	NS	NS	--	--	--
		8/11/91	NS	NS	NS	NS	NS	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	NS	NS	NS	NS	NS	--	--	--
		6/10/94	NS	NS	NS	NS	NS	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	NS	NS	NS	NS	NS	NS	NS	--
		8/22/96	NS	NS	NS	NS	NS	NS	NS	--
		11/25/96	NS	NS	NS	NS	NS	NS	NS	--
		2/12/97	NS	NS	NS	NS	NS	NS	NS	--
		1/29/98	NS	NS	NS	NS	NS	NS	NS	--
		4/29/98	--	--	--	--	5,788.3	<25	--	--
		7/10/98	NS	NS	NS	NS	NS	NS	--	--
		10/14/98	--	--	--	--	82.6	8.0	--	--
		1/22/99	--	--	--	--	6.6	5.7	--	--
		5/6/99	--	--	--	--	ND(<1.0)	ND(<1.0)	--	--
		7/7/99	NS	NS	NS	NS	NS	NS	--	NS
		8/5/99	--	--	--	--	--	--	--	--
		10/5/99	NS	NS	NS	NS	Dry	Dry	--	--
		10/7/99	--	--	--	--	--	--	--	NS
		1/25/00	NS	NS	NS	NS	NS	NS	--	--
		4/20/00	--	--	--	--	ND(<1.0)	NS	--	NS
		7/6/00	NS	NS	NS	NS	NS	NS	--	--
		10/12/00	--	--	--	--	ND(<10)	ND(<10)	--	NS
	US EPA Method 502.2 (ug/l)	4/9/01	--	--	--	--	ND(<1)	ND (<1.0)	--	--
		7/20/01	--	--	--	--	ND(<1)	ND (<1)	--	--
		10/9/01	NS	NS	NS	NS	NS	NS	--	--
		1/7/02	NS	NS	NS	NS	NS	NS	--	--
		4/15/02	NS	NS	NS	NS	NS	NS	--	--
		7/9/02	--	--	--	--	3.0	1.6	--	--
		10/15/02	NS	NS	NS	NS	NS	NS	--	--
		1/29/03	NS	NS	NS	NS	NS	NS	--	--
		4/9/03	NS	NS	NS	NS	NS	NS	--	--
		7/22/03	--	--	--	--	ND(<1)	ND(<1)	--	--
		10/14/03	NS	NS	NS	NS	NS	NS	--	--
		1/5/04	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	--	--
MW-1	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	ND (<1)	--	--	--
		11/13/89	--	--	--	--	ND (<1)	--	--	--
		8/11/91	--	--	--	--	ND (<1)	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	ND (<1)	--	--	--
		6/10/94	NS	NS	NS	NS	NS	NS	--	--
	US EPA Method 8021	5/29/96	DESTROYED							
MW-2	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	ND (<20)	--	--	--
		11/13/89	--	--	--	--	ND (<50)	--	--	--
		8/11/91	--	--	--	--	ND (<10)	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	119.0	--	--	--
		6/10/94	--	--	--	--	50.0	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	--	--	--	--	201.2	3.3	NS	--
		8/22/96	--	--	--	--	101.5	6.6	NS	--
		11/25/96	--	--	--	--	94.3	5.7	NS	--
		2/12/97	--	--	--	--	26.2	ND (<1.0)	NS	--
		1/29/98	--	--	--	--	42.8	ND (<1.0)	NS	--
		4/29/98	--	--	--	--	65.1	ND (<1.0)	--	--
		7/10/98	--	--	--	--	63.5	6.5	--	--
		10/14/98	--	--	--	--	35.5	2.6	--	--
		1/22/99	--	--	--	--	ND (<1.0)	ND (<1.0)	--	--
		5/6/99	--	--	--	--	20.4	ND(<1.0)	--	--
		7/7/99	--	--	--	--	17.2	ND(<1.0)	--	--
		8/5/99	--	--	--	--	--	--	--	NS
		10/5/99	--	--	--	--	1.5	ND(<1.0)	--	--
		10/7/99	--	--	--	--	--	--	--	ND<1
		1/25/00	NS	NS	NS	NS	NS	NS	--	--
		4/20/00	--	--	--	--	16.8	NS	--	NS
		7/6/00	NS	NS	NS	NS	NS	NS	--	--
		10/12/00	--	--	--	--	28.9	ND(<1.0)	--	NS
	US EPA Method 502.2 (ug/l)	4/9/01	--	--	--	--	5.9	ND (<1.0)	--	--
		7/20/01	--	--	--	--	ND(<1)	ND (<1)	--	--
		10/9/01	NS	NS	NS	NS	NS	NS	--	--
		1/7/02	NS	NS	NS	NS	NS	NS	--	--
		4/15/02	NS	NS	NS	NS	NS	NS	--	--
		7/9/02	--	--	--	--	ND(<1)	ND (<1)	--	--
		10/15/02	NS	NS	NS	NS	NS	NS	--	--
		1/29/03	NS	NS	NS	NS	NS	NS	--	--
		4/9/03	NS	NS	NS	NS	NS	NS	--	--
		7/22/03	--	--	--	--	ND(<1)	ND(<1)	--	--
		10/14/03	NS	NS	NS	NS	NS	NS	--	--
		1/5/04	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	--	--
		8/29/05	**Buried/Destroyed**							
MW-3	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	4.0	--	--	--
		11/13/89	--	--	--	--	ND (<1)	--	--	--
		8/11/91	--	--	--	--	ND (<1)	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	ND (<1)	--	--	--
		6/10/94	NS	NS	NS	NS	NS	NS	--	--
	US EPA Method 8021	5/29/96	DESTROYED							
MW-4	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	5,710.0	--	--	--
		11/13/89	--	--	--	--	2,660.0	--	--	--
		8/11/91	--	--	--	--	26.0	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	18.0	--	--	--
		6/10/94	--	--	--	--	5.0	--	--	--
	US EPA Method 8021	5/29/96	DESTROYED							
MW-5	US EPA Method 8020 (ug/l)	10/12/89	NS	NS	NS	NS	NS	--	--	--
		11/13/89	NS	NS	NS	NS	NS	--	--	--
		8/11/91	--	--	--	--	303.0	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	66,300.0	--	--	--
		6/10/94	--	--	--	--	9,462.0	--	--	--
	US EPA Method 8021	5/29/96	DESTROYED							

All data prior to March 2001 obtained from reports submitted by Environmental Products & Services, Inc.

ND = Non-detect (note detection limits) (--) = Not Available FP = Free Product NS = Not Sampled

Table 3 (continued) - Chronological Summary of Groundwater Analytical Results

NYSDEC Region 6 -Farrell's Garage
136 Oriskany Boulevard -- Whitesboro, New York
NYSDEC Spill # 86-02108 ; PIN 94599

Location	Analysis	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total VOCs	MTBE	SVOCs	Chlorinated Solvents
MW-7	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	--	--	--	--
		11/13/89	--	--	--	--	--	--	--	--
		8/11/91	--	--	--	--	--	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	NS	NS	NS	NS	NS	--	--	--
		6/10/94	--	--	--	--	ND (<5)	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		8/22/96	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		11/25/96	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		2/12/97	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		1/29/98	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		4/29/98	--	--	--	--	ND (<1.0)	ND (<1.0)	--	--
		7/10/98	--	--	--	--	4.2	1.6	--	--
		10/14/98	--	--	--	--	ND(<1.0)	ND (<1.0)	--	--
		1/22/99	--	--	--	--	ND (<1.0)	ND (<1.0)	--	--
		5/6/99	--	--	--	--	ND(<1.0)	ND(<1.0)	--	--
		7/7/99	--	--	--	--	ND(<1.0)	ND(<1.0)	--	--
		8/5/99	--	--	--	--	--	--	--	NS
		10/5/99	NS	NS	NS	NS	NS	NS	--	--
		10/7/99	--	--	--	--	--	--	--	NS
		1/25/00	NS	NS	NS	NS	NS	NS	--	--
		4/20/00	NS	NS	NS	NS	NS	NS	--	NS
		7/6/00	NS	NS	NS	NS	NS	NS	--	--
		10/12/00	NS	NS	NS	NS	NS	NS	--	NS
	US EPA Method 502.2 (ug/l)	4/9/01	NS	NS	NS	NS	NS	NS	--	--
		7/20/01	NS	NS	NS	NS	NS	NS	--	--
		10/9/01	NS	NS	NS	NS	NS	NS	--	--
		1/7/02	NS	NS	NS	NS	NS	NS	--	--
		4/15/02	NS	NS	NS	NS	NS	NS	--	--
		7/9/02	--	--	--	--	ND(<1)	ND (<1)	--	--
		10/15/02	NS	NS	NS	NS	NS	NS	--	--
		1/29/03	NS	NS	NS	NS	NS	NS	--	--
		4/9/03	NS	NS	NS	NS	NS	NS	--	--
		7/22/03	--	--	--	--	ND(<1)	ND(<1)	--	--
		10/14/03	NS	NS	NS	NS	NS	NS	--	--
		1/5/04	NS	NS	NS	NS	NS	NS	--	--
		8/29/05	Buried/Destroyed							
MW-8	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	--	--	--	--
		11/13/89	--	--	--	--	--	--	--	--
		8/11/91	--	--	--	--	--	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	82.0	--	--	--
		6/10/94	--	--	--	--	153.0	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	--	--	--	--	14.5	ND (<1.0)	ND (<1.0)*	--
		8/22/96	--	--	--	--	8.3	3.0	ND (<1.0)	--
		11/25/96	--	--	--	--	18.9	ND (<1.0)	3.2*	--
		2/12/97	--	--	--	--	FP (0.05')	FP	FP	--
		1/29/98	--	--	--	--	FP (0.08')-est.	FP	FP	--
		4/29/98	NS	NS	NS	NS	NS	NS	--	--
		7/10/98	--	--	--	--	30.2	3.1	--	--
		10/14/98	NS	NS	NS	NS	NS	NS	--	--
		1/22/99	NS	NS	NS	NS	NS	NS	--	--
		5/6/99	NS	NS	NS	NS	NS	NS	--	--
		7/7/99	NS	NS	NS	NS	NS	NS	--	--
		8/5/99	--	--	--	--	--	--	--	NS
		10/5/99	NS	NS	NS	NS	NS	NS	--	--
		10/7/99	--	--	--	--	--	--	--	NS
		1/25/00	NS	NS	NS	NS	NS	NS	--	--
		4/20/00	NS	NS	NS	NS	NS	NS	--	NS
		7/6/00	NS	NS	NS	NS	NS	NS	--	--
		10/12/00	NS	NS	NS	NS	NS	NS	--	NS
	US EPA Method 502.2 (ug/l)	4/9/01	--	--	--	--	FP (0.05')	NS	--	--
		7/20/01	--	--	--	--	FP (0.15')	NS	--	--
		10/9/01	--	--	--	--	ND (<10)	ND (<10)	--	--
		1/7/02	--	--	--	--	8.2	ND (<5.0)	--	--
		4/15/02	--	--	--	--	ND (<5)	ND (<5.0)	--	--
		7/9/02	--	--	--	--	ND(<5)	ND (<5)	--	--
		10/15/02	--	--	--	--	5.8	ND (<5)	--	--
		1/29/03	--	--	--	--	ND(<5)	ND(<5)	--	--
		4/9/03	--	--	--	--	ND(<200)	ND(<200)	--	--
		7/22/03	--	--	--	--	ND(<5)	ND(<5)	--	--
		10/14/03	--	--	--	--	ND(<20)	ND(<20)	--	--
		1/5/04	NS	NS	NS	NS	NS	NS	--	--
		8/29/05	0.4	0.3	ND	0.9	4.0	0.4	--	--
	US EPA Method 8021(8260) (ug/l)	11/16/05	ND	0.3	ND	ND	5.0	ND	--	--
		2/2/06	ND	ND	ND	0.8	1.8	ND	--	--
		4/14/06	ND	ND	ND	ND	ND	ND	--	--
		8/2/06	ND	ND	ND	ND	ND	ND	--	--
		8/24/06	ND	ND	ND	ND	ND	ND	--	--

All data prior to March 2001 obtained from reports submitted by Environmental Products & Services, Inc.
ND = Non-detect (note detection limits). (--) = Not Available FP = Free Product NS = Not Sampled

Table 3 (continued) - Chronological Summary of Groundwater Analytical Results

NYSDEC Region 6 - Farrell's Garage
136 Oriskany Boulevard -- Whitesboro, New York
NYSDEC Spill # 86-02108 ; PIN 94599

Location	Analysis	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total VOCs	MTBE	SVOCs	Chlorinated Solvents
MW-9	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	--	--	--	--
		11/13/89	--	--	--	--	--	--	--	--
		8/11/91	--	--	--	--	--	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	49,800.0	--	--	--
		6/10/94	--	--	--	--	17,240.0	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	--	--	--	--	31,274.2	<50	NS	--
		8/22/96	--	--	--	--	32,872.5	70.4	NS	--
		11/25/96	--	--	--	--	21,839.0	<25	NS	--
		2/12/97	--	--	--	--	18,206.3	<50	NS	--
		1/29/98	--	--	--	--	9,668.0	<25	NS	--
		4/29/98	--	--	--	--	16,871.5	70.2	--	--
		7/10/98	--	--	--	--	9,702.0	65.9	--	--
		10/14/98	--	--	--	--	12,392.0	<50	--	--
		1/22/99	--	--	--	--	506.4	5.7	--	--
		5/6/99	--	--	--	--	10,480.0	<25	--	--
		7/7/99	--	--	--	--	241.0	ND(<1.0)	--	--
		8/5/99	--	--	--	--	--	--	--	NS
		10/5/99	--	--	--	--	458.8	ND(<1.0)	--	--
		10/7/99	--	--	--	--	--	--	--	NS
		1/25/00	--	--	--	--	5,620.0	ND(<2000)	--	--
		4/20/00	--	--	--	--	2,759.0	ND(<10)	--	NS
		7/6/00	--	--	--	--	8,029.3	38.3	--	--
		10/12/00	--	--	--	--	6,096.5	ND(<10)	--	NS
	US EPA Method 502.2 (ug/l)	4/9/01	--	--	--	--	459.5	ND(<5)	--	--
		7/20/01	--	--	--	--	45.4	2.8	--	--
		10/9/01	--	--	--	--	2,200.0	12.0	--	--
		1/7/02	--	--	--	--	ND (<1.0)	ND (<1.0)	--	--
		4/15/02	--	--	--	--	1,337.0	6.7	--	--
		7/9/02	--	--	--	--	2,584.4	23.0	--	--
		10/15/02	--	--	--	--	2,470.1	8.0	--	--
		1/29/03	--	--	--	--	3,020.0	23.0	--	--
		4/9/03	--	--	--	--	1,063.0	ND(<10)	--	--
		7/22/03	--	--	--	--	3,540.0	20.0	--	--
		10/14/03	--	--	--	--	2,396.0	ND(<20)	--	--
		1/5/04	22.0	ND<20	1,100.0	345.0	3,943.0	ND(<20)	--	--
		8/29/05	29.0	8.1	880.0	508.0	3,434.1	28	--	--
	US EPA Method 8021(8260) (ug/l)	11/15/05	2	0.46	10	7.9	106.98	2.9	--	--
		2/2/06	23	ND	720	260	2,327	31	--	--
		4/14/06	52	ND	410	62	1,212	ND	--	--
		5/2/06	66	ND	510	45	1,338	110	--	--
		5/24/06	13	ND	500	110	1,400	27	--	--
		8/18/06	56	8.0	940	486	2,847	ND	--	--
		11/22/06	7	0.6	22	4	80.6	ND	--	--
MW-10	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	--	--	--	--
		11/13/89	--	--	--	--	--	--	--	--
		8/11/91	--	--	--	--	--	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	712.0	--	--	--
		6/10/94	--	--	--	--	50.0	--	--	--
	US EPA Method 8021	5/29/96	DESTROYED							
MW-11	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	--	--	--	--
		11/13/89	--	--	--	--	--	--	--	--
		8/11/91	--	--	--	--	--	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	23,540.0	--	--	--
		6/10/94	--	--	--	--	12,400.0	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	--	--	--	--	14,993.4	<50	NS	--
		8/22/96	--	--	--	--	22,155.0	180.0	NS	--
		11/25/96	--	--	--	--	11,682.9	35.8	NS	--
		2/12/97	--	--	--	--	10,967.3	<50	NS	--
		1/29/98	--	--	--	--	12,420.7	14.9	NS	--
		4/29/98	--	--	--	--	7,727.9	102.0	--	--
		7/10/98	--	--	--	--	12,044.7	83.1	--	--
		10/14/98	--	--	--	--	5,074.0	<25	--	--
		1/22/99	--	--	--	--	9,203.5	<25	--	--
		5/6/99	--	--	--	--	6,801.0	60.8	--	--
		7/7/99	--	--	--	--	5,850.7	55.7	--	--
		8/5/99	--	--	--	--	--	--	--	NS
		10/5/99	--	--	--	--	4,999.3	32.0	--	--
		10/7/99	--	--	--	--	--	--	--	NS
		1/25/00	--	--	--	--	2,699.0	ND(<500)	--	--
		4/20/00	--	--	--	--	1,087.6	ND(<25)	--	NS
		7/6/00	--	--	--	--	1,523.6	20.8	--	--
		10/12/00	--	--	--	--	3,853.2	25.2	--	NS
	US EPA Method 502.2 (ug/l)	4/9/01	--	--	--	--	164.3	3.9	--	--
		7/20/01	--	--	--	--	176.1	14.0	--	--
		10/9/01	--	--	--	--	2,840.0	ND(<10)	--	--
		1/7/02	--	--	--	--	594.0	ND(<10)	--	--
		4/15/02	--	--	--	--	981.0	ND(<10)	--	--
		7/9/02	--	--	--	--	1,391.0	ND(<10)	--	--
		10/15/02	--	--	--	--	1,513.0	12.0	--	--
		1/29/03	--	--	--	--	493.0	ND(<10)	--	--
		4/9/03	--	--	--	--	320.0	ND(<20)	--	--
		7/22/03	--	--	--	--	300.0	ND(<20)	--	--
		10/14/03	--	--	--	--	1,087.0	ND(<10)	--	--
		1/5/04	ND<10	ND<10	23.0	ND<10	328.0	ND(<10)	--	--
		8/29/05	Not Sampled							
	US EPA Method 8260 (ug/l)	8/18/06	ND	ND	140	38	818	ND	--	--
		11/22/06	ND	ND	80	7	212	ND	--	--

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Table 3 (continued) - Chronological Summary of Groundwater Analytical Results

NYSDEC Region 6 -Farrell's Garage
136 Oriskany Boulevard – Whitesboro, New York
NYSDEC Spill # 86-02108 ; PIN 94599

Location	Analysis	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total VOCs	MTBE	SVOCs	Chlorinated Solvents
MW-12	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	--	--	--	--
		11/13/89	--	--	--	--	--	--	--	--
		8/11/91	--	--	--	--	--	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	ND (<5)	--	--	--
		6/10/94	NS	NS	NS	NS	NS	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	--	--	--	--	ND (<1.0)	27.1	NS	--
		8/22/96	--	--	--	--	ND (<1.0)	68.7	NS	--
		11/25/96	--	--	--	--	26.9	71.9	NS	--
		2/12/97	--	--	--	--	ND (<1.0)	62.3	NS	--
		1/29/98	--	--	--	--	ND (<1.0)	120.0	NS	--
		4/29/98	--	--	--	--	ND (<1.0)	35.3	--	--
		7/10/98	--	--	--	--	1.3	23.6	--	--
		10/14/98	--	--	--	--	31.1	<1.0	--	--
		1/22/99	--	--	--	--	ND (<1.0)	ND (<1.0)	--	--
		5/6/99	--	--	--	--	ND(<1.0)	40.3	--	--
		7/7/99	NS	NS	NS	NS	NS	NS	--	--
		8/5/99	--	--	--	--	--	--	--	NS
		10/5/99	--	--	--	--	ND(<1.0)	26.0	--	--
		10/7/99	--	--	--	--	--	--	--	NS
		1/25/00	--	--	--	--	ND	26.0	--	--
		4/20/00	--	--	--	--	ND	20.6	--	NS
		7/6/00	--	--	--	--	ND	21.4	--	--
		10/12/00	--	--	--	--	ND	25.5	--	NS
	US EPA Method 802.2 (ug/l)	4/9/01	--	--	--	--	0.7	ND (<1.0)	--	--
		7/20/01	--	--	--	--	6.1	6.1	--	--
		10/9/01	--	--	--	--	ND (<1.0)	3.0	--	--
		1/7/02	--	--	--	--	ND (<1.0)	23.0	--	--
		4/15/02	--	--	--	--	ND (<1.0)	ND (<1.0)	--	--
		7/9/02	--	--	--	--	ND(<1)	16.0	--	--
		10/15/02	--	--	--	--	ND(<1)	13.0	--	--
		1/29/03	--	--	--	--	ND(<1)	28.0	--	--
		4/9/03	--	--	--	--	ND(<1)	1.6	--	--
		7/22/03	--	--	--	--	ND(<1)	1.2	--	--
		10/14/03	--	--	--	--	ND(<1)	38.0	--	--
		1/5/04	ND<1	ND<1	ND<1	ND<1	ND(<1)	5.5	--	--
		8/29/05	ND	ND	ND	ND	ND	14.0	--	--
MW-13	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	--	--	--	--
		11/13/89	--	--	--	--	--	--	--	--
		8/11/91	--	--	--	--	--	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	ND (<5)	--	--	--
		6/10/94	NS	NS	NS	NS	NS	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		8/22/96	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		11/25/96	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		2/12/97	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		1/29/98	--	--	--	--	ND (<1.0)	ND (<1.0)	NS	--
		4/29/98	--	--	--	--	ND (<1.0)	1.3	--	--
		7/10/98	--	--	--	--	ND (<1.0)	ND (<1.0)	--	--
		10/14/98	--	--	--	--	14.8	ND (<1.0)	--	--
		1/22/99	--	--	--	--	ND (<1.0)	ND (<1.0)	--	--
		5/6/99	--	--	--	--	ND(<1.0)	ND(<1.0)	--	--
		7/7/99	--	--	--	--	ND(<1.0)	ND(<1.0)	--	--
		8/5/99	--	--	--	--	--	--	--	NS
		10/5/99	--	--	--	--	ND(<1.0)	ND(<1.0)	--	--
		10/7/99	--	--	--	--	--	--	--	3.2
		1/25/00	--	--	--	--	ND	ND(<10.0)	--	--
		4/20/00	NS	NS	NS	NS	NS	NS	--	NS
		7/6/00	--	--	--	--	ND	ND(<1.0)	--	--
		10/12/00	--	--	--	--	ND	ND(<1.0)	--	NS
	US EPA Method 802.2 (ug/l)	4/9/01	--	--	--	--	ND (<1)	ND (<1.0)	--	--
		7/20/01	--	--	--	--	ND(<1)	ND(<1.0)	--	--
		10/9/01	NS	NS	NS	NS	NS	NS	--	--
		1/7/02	--	--	--	--	ND (<1.0)	ND(<1.0)	--	--
		4/15/02	--	--	--	--	ND (<1.0)	2.5	--	--
		7/9/02	--	--	--	--	6.3	ND (<1)	--	--
		10/15/02	--	--	--	--	9.0	ND (<1)	--	--
		1/29/03	--	--	--	--	ND(<1)	ND(<1)	--	--
		4/9/03	--	--	--	--	ND(<1)	ND(<1)	--	--
		7/22/03	--	--	--	--	ND(<1)	ND(<1)	--	--
		10/14/03	--	--	--	--	9.6	1.2	--	--
		1/5/04	ND<1	ND<1	ND<1	ND<1	2.0	ND(<1)	--	--
		8/29/06	Not Sampled							

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ND = Non-detect (note detection limits) (--) = Not Available FP = Free Product NS = Not Sampled

Table 3 (continued) - Chronological Summary of Groundwater Analytical Results

NYSDEC Region 6 - Farrell's Garage
136 Oriskany Boulevard -- Whitesboro, New York
NYSDEC Spill # 86-02108 ; PIN 94599

Location	Analysis	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total VOCs	MTBE	SVOCs	Chlorinated Solvents
MW-14	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	--	--	--	--
		11/13/89	--	--	--	--	--	--	--	--
		8/11/91	--	--	--	--	--	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	--	--	--	--
		6/10/94	--	--	--	--	--	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	--	--	--	--	--	--	--	--
		8/22/96	--	--	--	--	--	--	--	--
		11/25/96	--	--	--	--	--	--	--	--
		2/12/97	--	--	--	--	--	--	--	--
		1/29/98	--	--	--	--	--	--	--	--
		4/29/98	--	--	--	--	--	--	--	--
		7/10/98	--	--	--	--	--	--	--	--
		10/14/98	--	--	--	--	--	--	--	--
		1/22/99	--	--	--	--	--	--	--	--
		5/6/99	--	--	--	--	ND(<1.0)	ND(<1.0)	--	--
		7/7/99	--	--	--	--	ND(<1.0)	ND(<1.0)	--	--
		8/5/99	--	--	--	--	--	--	--	4,720.0
		10/5/99	--	--	--	--	ND(<50)	ND(<1.0)	--	--
		10/7/99	--	--	--	--	--	--	--	4,680.0
		1/25/00	--	--	--	--	ND	ND(<200)	--	--
		4/20/00	--	--	--	--	ND(<1.0)	ND(<10)	--	438.0
		7/6/00	--	--	--	--	ND	ND(<1.0)	--	--
		10/12/00	--	--	--	--	ND	ND(<10)	--	267.4
	US EPA Method 502.2 (ug/l)	4/9/01	--	--	--	--	7.4	ND (<1.0)	--	--
		7/20/01	--	--	--	--	56.0	ND(<1.0)	--	--
		10/9/01	--	--	--	--	136.7	ND(<1.0)	--	--
		1/7/02	--	--	--	--	139.9	ND(<1.0)	--	--
		4/15/02	--	--	--	--	33.5	ND(<1.0)	--	--
		7/9/02	--	--	--	--	135.2	ND(<1)	--	--
		10/15/02	--	--	--	--	86.2	ND(<1)	--	--
		1/29/03	--	--	--	--	13.7	ND(<1)	--	--
		4/9/03	--	--	--	--	18.0	ND(<1)	--	--
		7/22/03	--	--	--	--	26.8	ND(<1)	--	--
		10/14/03	--	--	--	--	52.0	ND(<1)	--	--
		1/5/04	ND<1	ND<1	ND<1	ND<1	13.2	ND(<1)	--	--
		8/29/05	0.2	ND	ND	ND	ND	ND	--	--
MW-15	US EPA Method 8020 (ug/l)	10/12/89	--	--	--	--	--	--	--	--
		11/13/89	--	--	--	--	--	--	--	--
		8/11/91	--	--	--	--	--	--	--	--
	US EPA Method 503.1 (ug/l)	12/3/93	--	--	--	--	--	--	--	--
		6/10/94	--	--	--	--	--	--	--	--
	US EPA Method 8021 (ug/l)	5/29/96	--	--	--	--	--	--	--	--
		8/22/96	--	--	--	--	--	--	--	--
		11/25/96	--	--	--	--	--	--	--	--
		2/12/97	--	--	--	--	--	--	--	--
		1/29/98	--	--	--	--	--	--	--	--
		4/29/98	--	--	--	--	--	--	--	--
		7/10/98	--	--	--	--	--	--	--	--
		10/14/98	--	--	--	--	--	--	--	--
		1/22/99	--	--	--	--	--	--	--	--
		5/6/99	--	--	--	--	1.1	ND(<1.0)	--	--
		7/7/99	--	--	--	--	1.1	ND(<1.0)	--	--
		8/5/99	--	--	--	--	--	--	--	5.6
		10/5/99	--	--	--	--	ND(<1.0)	ND(<50)	--	--
		10/7/99	--	--	--	--	--	--	--	71.2
		1/25/00	NS	NS	NS	NS	NS	NS	--	--
		4/20/00	--	--	--	--	3.1	ND(<1.0)	--	NS
		7/6/00	--	--	--	--	0.8	ND(<1.0)	--	--
		10/12/00	--	--	--	--	ND	ND(<1.0)	--	27.7
	US EPA Method 502.2 (ug/l)	4/9/01	--	--	--	--	72.6	ND (<1.0)	--	--
		7/20/01	--	--	--	--	44.8	ND(<1.0)	--	--
		10/9/01	--	--	--	--	41.5	ND(<1.0)	--	--
		1/7/02	--	--	--	--	76.2	ND(<1.0)	--	--
		4/15/02	--	--	--	--	30.0	ND(<1.0)	--	--
		7/9/02	--	--	--	--	22.7	ND(<1)	--	--
		10/15/02	--	--	--	--	19.8	ND(<1)	--	--
		1/29/03	--	--	--	--	ND(<1)	ND(<1)	--	--
		4/9/03	--	--	--	--	8.9	ND(<1)	--	--
		7/22/03	--	--	--	--	12.9	ND(<1)	--	--
		10/14/03	--	--	--	--	10.1	ND(<1)	--	--
		1/5/04	ND<1	ND<1	ND<1	ND<1	9.6	ND(<1)	--	--
		8/29/05	ND	ND	ND	ND	ND	ND	--	--

All data prior to March 2001 obtained from reports submitted by Environmental Products & Services, Inc.

ND = Non-detect (note detection limits) (--) = Not Available FP = Free Product NS = Not Sampled

Table 3 (continued) - Chronological Summary of Groundwater Analytical Results

NYSDEC Region 6 -Farrell's Garage
136 Oriskany Boulevard -- Whitesboro, New York
NYSDEC Spill # 86-02108 ; PIN 94599

Location	Analysis	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total VOCs	MTBE	SVOCs	Chlorinated Solvents
NWMW-1	US EPA Method 502.2 (ug/l)	3/8/02	--	--	--	--	128.4	ND (<5)	--	--
		7/9/02	--	--	--	--	68.1	ND (<1)	--	--
		10/15/02	--	--	--	--	61.9	1.9	--	--
		1/29/03	--	--	--	--	24.6	ND<1	--	--
		4/9/03	--	--	--	--	2.4	1.0	--	--
		7/22/03	--	--	--	--	11.7	ND(<1)	--	--
		10/14/03	--	--	--	--	ND (<10)	ND (<10)	--	--
		1/5/04	ND<1	ND<1	ND<1	ND<1	1.7	ND(<1)	--	--
		8/29/05	0.2	2.1	2.4	2.2	13.9	3.5	--	--
NWMW-2	US EPA Method 502.2 (ug/l)	3/8/02	--	--	--	--	ND (<1)	ND (<1)	--	--
		7/9/02	--	--	--	--	NS	NS	--	--
		10/15/02	--	--	--	--	ND (<1)	ND (<1)	--	--
		1/29/03	--	--	--	--	NS	NS	--	--
		4/9/03	--	--	--	--	ND (<1)	ND (<1)	--	--
		7/22/03	--	--	--	--	ND (<1)	ND (<1)	--	--
		10/14/03	--	--	--	--	14.0	ND (<1)	--	--
		1/5/04	ND<1	ND<1	ND<1	ND<1	ND (<1)	ND (<1)	--	--
		8/29/05	0.4	0.7	0.6	1.4	4.6	ND	--	--
NWMW-3	US EPA Method 502.2 (ug/l)	3/8/02	--	--	--	--	5.3	ND (<5)	--	--
		7/9/02	--	--	--	--	1.1	ND (<1)	--	--
		10/15/02	--	--	--	--	294.3	ND (<2)	--	--
		1/29/03	--	--	--	--	NS	NS	--	--
		4/9/03	--	--	--	--	21.5	ND (<1)	--	--
		7/22/03	--	--	--	--	203.0	ND(<5)	--	--
		10/14/03	--	--	--	--	121.0	ND(<2)	--	--
		1/5/04	ND<2	ND<2	ND<2	ND<2	34.7	ND(<2)	--	--
		8/29/05		0.4	1.0	4.3	13.0	0.3	--	--
NWMW-4	US EPA Method 502.2 (ug/l)	3/8/02	--	--	--	--	ND (<5)	ND (<5)	--	--
		7/9/02	--	--	--	--	ND (<1)	1.6	--	--
		10/15/02	--	--	--	--	3.0	6.5	--	--
		1/29/03	--	--	--	--	1.0	1.5	--	--
		4/9/03	--	--	--	--	1.0	2.2	--	--
		7/22/03	--	--	--	--	1.7	2.5	--	--
		10/14/03	--	--	--	--	1.5	2.3	--	--
		1/5/04	ND<1	ND<1	ND<1	ND<1	ND(<1)	ND(<1)	--	--
		8/29/05	Dry at time of sampling.							

All data prior to March 2001 obtained from reports submitted by Environmental Products & Services, Inc.
ND = Non-detect (note detection limits) (--) = Not Available FP = Free Product NS = Not Sampled

Table 4 - Groundwater Extraction
136 Oriskany Boulevard, Whitesboro, New York
Former Farrell's Garage
NYSDEC Spill No. 86-20108; PIN 94599

Location	Date	Gallons Extracted	Cumulative Gallons Extracted
MW-8			
	8/23/05	54	54
	9/9/05	59	113
	9/19/05	57	170
	10/14/05	78	248
	10/27/05	65	313
	11/11/05	72	385
	12/7/05	40	425
	12/19/05	65	490
	1/4/06	68	558
	1/26/06	58	616
	2/22/06	25	641
	3/7/06	47	688
	3/22/06	35	723
	4/14/06	30	753
	5/2/06	40	793
	5/24/06	23	816
	7/26/06	Discontinued	
MW-9			
	8/23/05	40	40
	9/9/05	37	77
	9/19/05	58	135
	10/14/05	42	177
	10/27/05	60	237
	11/11/05	48	285
	12/7/05	10	295
	12/19/05	35	330
	1/4/06	32	362
	1/26/06	48	410
	2/22/06	50	460
	3/7/06	53	513
	3/22/06	50	563
	4/14/06	62	625
	5/2/06	52	677
	5/24/06	45	722
	7/26/06	50	772
	8/29/06	20	792
	9/11/06	35	827
		HVE Discontinued	
MW-11			
	7/26/06	50	50
	8/29/06	79	129
	9/11/06	15	144
		HVE Discontinued	

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Stock Symbol: OTES.OB

January 7, 2010

Mr. Lincoln Fancher
Engineering Geologist II
NYS Department of Environmental Conservation - Region 6
Division of Environmental Remediation
317 Washington St.
Watertown, NY 13601

Re: Subsurface Investigation Letter Report
Former Dry Cleaners Site
103 Oriskany Boulevard
Whitesboro, New York
Site ID: 633054

Dear Mr. Fancher:

OP-TECH ENVIRONMENTAL SERVICES, INC. (OP-TECH) is pleased to provide this letter report for a limited subsurface investigation at the former Dry Cleaners Site, which is located at 103 Oriskany Boulevard, Whitesboro, Oneida County, New York. This investigation was conducted on behalf of the New York State Department of Environmental Conservation (NYSDEC), under the *Remediation Services Standby Contract* (#C100905), Callout ID 118562, to assess whether chlorinated volatile organic compounds (CVOCs) observed at the adjacent former Farrell's Garage spill site (#86-02108) may have originated at the subject site.

Specifically, the work efforts associated with this subsurface investigation included the following:

- Conducting a site visit on July 15, 2009 to review the site background, current conditions, and discuss work scope.
- Developing a scope of work, based on the site visit and contained in our letter to NYSDEC dated August 26, 2009. This letter and resulting Callout are incorporated by reference and referred to as the "Work Plan."
- Drilling eight (8) soil borings, using direct-push drilling techniques to obtain continuous soil samples and groundwater grab samples (from select locations).
- Collecting a groundwater sample from monitoring well MW-14 at the adjacent former Farrell's Garage spill site.
- Collecting, analyzing, and preparing a Data Usability Summary Report (DUSR) for soil and groundwater samples.
- Preparing a site base map and surveying sampling locations.

- Summarizing the findings of the investigation in this letter report.

This letter report summarizes the site background, field activities, investigation findings, and includes the following attachments:

- Table 1 – Detected Constituents in Groundwater, with comparison to the groundwater standards and guidance values contained in NYSDEC Division of Water's Technical and Operational Guidance Series (TOGS) 1.1.1. Results are presented side-by-side for the originally report laboratory results and those obtained from the DUSR.

- Table 2 – Detected Constituents in Soil, with comparison to the unrestricted and industrial us criteria contained in 6 NYCRR Subpart 375-6 - Remedial Program Soil Cleanup Objectives (SCOs).

- Figure 1 – Site Vicinity Aerial Photograph showing approximate field sampling locations.

- Figure 2 – Site Survey, completed by a licensed NYS Surveyor.

- Attachment 1 – The Class "P" listing package, including a Site Priority Ranking Form, a 1966 Sanborn Fire Insurance Map, tax map, topographic map, and analytical data summary table and site figure for the former Farrell's Garage site.

- Attachment 2 – Soil boring logs.

- Attachment 3 – Select site photographs.

- Attachment 4 – The DUSR, including the modified analytical laboratory summary report and Form I data sheets.

SITE BACKGROUND

The subject site is located in the Mohawk Valley of the Ontario Lowlands physiographic province, which separates the Adirondack Highlands to the north from the Allegheny Plateau to the south. The site is of low relief at an elevation of 428 feet above mean sea level (ft MSL). Sauquoit Creek is located approximately 2,000 feet southeast of the site, and flows generally to the northeast where it joins the eastward flowing Mohawk River approximately 1.3 miles northeast of the site at an approximate elevation of 396 ft MSL. Based on topography, shallow groundwater flow in the site vicinity is expected to be generally to the northeast toward these streams. The sedimentary bedrock beneath the site is the mid- to late Ordovician Frankfort shale and siltstone and/or Utica shale. Quaternary glacial till and glaciofluvial/glaciolacustrine deposits overlie the bedrock.

The subject site is located at 103 Oriskany Boulevard (State Route 69), Village of Whitesboro, Town of Whitestown, Oneida County, NY. It is currently occupied by a pet grooming business; however, based on available information, a dry cleaning business has previously occupied the site from sometime prior to 1966 (shown on Sanborn Fire Insurance Map) until at least 1994 (per a 1994 report by Passaretti Geological & Environmental Consultants, Inc.). Historically, the former Erie Canal was located along the current route of Oriskany Boulevard near the site (USGS, 1895 topographic quadrangle).

The subject site was listed as Class "P" in 2004, based on the observation of CVOCs in overburden groundwater during the investigation of an adjacent petroleum spills site (#86-02108, former Farrell's Garage – currently occupied by Adirondack Bank). Groundwater monitoring completed as part of the spill investigation showed significant levels of PCE and associated degradation products trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC) in one or more monitoring wells at the spill site. The Class "P" listing package, including a Site Priority Ranking Form, the 1966 Sanborn Fire Insurance Map showing the site as a dry cleaner, tax map, topographic map, and analytical data summary table and site figure for the former Farrell's Garage site, is provided as Attachment 1.

FIELD ACTIVITIES

Field activities were conducted by OP-TECH with drilling services by CME Associates, Inc. (CME). Prior to mobilization, CME notified Dig Safely New York to allow identification and markout of buried utilities of record beneath the site. Direct-push (Geoprobe®) drilling techniques were used to complete the subsurface investigation on September 24 – 25, 2009. Eight soil borings were advanced at locations and to depths specified by on-site OP-TECH hydrogeologist, in agreement with the NYSDEC project manager. Initially, 6 soil borings to 30 feet below ground surface [bgs] were planned; however, based on additional information regarding potential release(s) from a pipe near the former dry cleaners' loading dock, 8 borings (SB-1 through SB-8) were completed to approximately 15 ft bgs to delineate the extent of the observed impacts. Soil boring locations are shown on Figures 1 and 2. Offset borings were also completed to collect groundwater "grab" samples from three locations (SB-1, SB-7, and SB-8) using a Geoprobe® SP15/16 discrete sampler and an inertial or peristaltic pump.

The recovered soil samples were characterized with respect to predominant soil types (i.e., gravel, sand, silt, clay), color, and relative moisture content (i.e., moist, wet, saturated) and screened for the presence of volatile organic compounds (VOCs) using a Photoionization detector (PID). Soil samples were also screened using a handheld long wave/short wave ultraviolet (UV) lamp, to further evaluate whether dense non-aqueous phased liquid (DNAPL) may be present. Soil descriptions, PID readings, and UV screening results are presented on the soil boring logs included as Attachment 2. Select photographs from during the site investigation are included as Attachment 3.

Soil and groundwater samples were selected for laboratory analysis according to the professional judgment and discretion of the on-site OP-TECH hydrogeologist. The samples were hand-delivered under chain-of-custody procedures to Upstate Laboratories, Inc. of Syracuse, NY, which has a current NYSDEC Callout and is certified by the NYSDOH Environmental Laboratory Approval Program (ELAP). Samples were analyzed for Target Compound List (TCL) VOCs in accordance with EPA Method 8260 and NYS Analytical Services Protocol (ASP) Category B deliverables were provided. A DUSR was prepared by SGD Environmental of Cazenovia, NY, in accordance with NYSDEC guidance to document the extent to which the analytical data are "useable" and to qualify their use as needed. The DUSR is provided as Attachment 4.

All non-dedicated, down-hole sampling tools were decontaminated between samples, using an initial tap water rinse, a phosphate-free detergent and tap water wash, and a final tap water rinse. Upon completion, soil borings were backfilled with hydrated bentonite chips and the asphalt parking lot was patched. Investigation derived wastes were containerized for proper management/disposal. Following soil boring completion, soil boring elevations and locations were surveyed by a licensed surveyor, Delta Engineers, Architects & Land Surveyors (Delta) of Vernon, NY. The site survey map is provided as Figure 2.

RESULTS

Detected constituents in groundwater and soil are summarized on Tables 1 and 2, respectively, with comparison to the relevant criteria. Two sets of results are shown side-by-side: those data originally reported by the analytical laboratory and those data modified by the independent validator and presented in the DUSR (Attachment 4). Exceedances of these criteria are summarized below, based on the validated results.

CONSTITUENT EXCEEDING CRITERIA	MATRIX	SAMPLES WITH EXCEEDANCE	RANGE OF CONCENTRATIONS (PPB)
Benzene	Groundwater	SB-1(8-12 ft)	Non-detect to 25 DJ
Chloroform	Groundwater	SB-1(8-12 ft); SB-8(8-12 ft)	Non-detect to 26 J
cis-1,2-DCE	Groundwater	SB-1(8-12 ft); SB-8(8-12 ft)	2.0 J to 250 D
	Soil	SB-3(1.5-2 ft), SB-6(2-3 ft)	Non-detect to 1,300 J
trans-1,2-DCE	Groundwater	SB-8(8-12 ft)	Non-detect to 10 J
PCE	Groundwater	All – max at SB-1(8-12 ft)	55 to 55,000 DJ
	Soil	Max at SB-1(1.5-2 ft), SB-3(1.5-2 ft), SB-6(2-3 ft)	45 to 9,500,000 DJ
TCE	Groundwater	SB-1(1.5-2 ft), SB-8(8-12 ft)	Non-detect to 78 D
	Soil	SB-3(1.5-2 ft), SB-6(2-3 ft)	Non-detect to 74,000
1,2,4-Trimethylbenzene	Soil	SB-8 (2.5-3 ft) DUP only	10 J to 14,000
Xylenes, total	Soil	SB-8 (2.5-3 ft) DUP only	Non-detect to 1,810

Notes: ppb – parts per billion

D – result obtained from a dilution run

J – estimated concentration

As indicated above, CVOCs are present at concentrations exceeding the relevant criteria in shallow groundwater at each of the onsite soil boring locations where a groundwater grab sample was obtained. Historical PCE concentrations at monitoring well MW-14 (located downgradient of the site, on the adjacent spill site) have been as high as 4,720 ppb (August 1999). This concentration is about one order of magnitude below the maximum PCE concentration observed in groundwater during this investigation. Recent sample results for MW-14 show PCE as non-detect and low level detections of CVOC degradation products, which could suggest natural attenuation is occurring.

Both CVOCs and some petroleum-related constituents exceed the relevant criteria is subsurface soils. As discussed in the DUSR (Attachment 4), the primary and duplicate field samples for SB-8 (2.5-3 ft) did not show good agreement – something that can easily occur with sample results for a fill matrix. Petroleum-related exceedances are likely localized, as indicated by the inconsistency between the primary and duplicate field samples.

SUMMARY

Soil boring SB-1 was completed in the immediate vicinity of the end of a pipe observed below the loading dock of the former dry cleaners. Field screening and analytical laboratory results indicated the presence of potential DNAPL within 5 feet of the asphalt paved surface: a maximum PID headspace reading of 3,260 parts per million (ppm); positive fluorescence under long-wave/short-wave UV light; an estimated PCE concentration in soil of 9,500 ppm. Based on the field activities and laboratory analysis completed, the vertical and lateral extent of the elevated PCE concentrations appears to be relatively localized. Given the proximity of this soil boring to the site building, a complete delineation of subsurface impacts was not possible.

We thank you for the opportunity to assist NYSDEC with this project. Please feel free to contact our office should you have any questions or require further assistance.

Respectfully,

OP-TECH ENVIRONMENTAL SERVICES, INC.

Lynette B. Mokry

Lynette B. Mokry
Senior Geologist/Project Manager

cc: Mr. Thomas H. Rengert, Branch Manager

ENCLOSURES:

TABLE 1
DETECTED CONSTITUENTS IN GROUNDWATER

FORMER WHITESBORO DRY CLEANERS SITE

Data Review Level	NYSDEC	LAB	DUSR	LAB	DUSR	LAB	DUSR	LAB	DUSR
Sample ID	Class GA	SB-1(8-12ft)	SB-1(8-12ft)	SB-7(8-12ft)	SB-7(8-12ft)	SB-7 (Dup-1)	SB-7 (Dup-1)	SB-8(8-12ft)	SB-8(8-12ft)
Date	Standards/	9/25/2009	9/25/2009	9/25/2009	9/25/2009	9/25/2009	9/25/2009	9/25/2009	9/25/2009
Lab ID	Guidance Values	U0909490-001A	U0909490-001A	U0909490-002A	U0909490-002A	U0909490-004A	U0909490-004A	U0909490-003A	U0909490-003A
Benzene	0.7	< 2500	**25 DJ**	< 5.0	< 5.0	< 5.0	< 5.0	<25	<25
Chloroform	7	< 2500	**26 DJ**	< 5.0	< 5.0	< 5.0	< 5.0	**20 J**	**26 J**
cis-1,2-Dichloroethene	5	< 2500	**250 D**	**2.0 J**	**2.0 J**	**2.0 J**	**2.0 J**	**27**	**27 D**
trans-1,2-Dichloroethene	5	< 2500	< 50	< 5.0	< 5.0	< 5.0	< 5.0	**10 J**	**10 J**
Tetrachloroethene	5	**55,000**	**55,000 DJ**	**55**	**55**	**59**	**59**	**200**	**200 D**
Trichloroethene	5	< 2500	**78 D**	**3.0 J**	**3.0 J**	**3.0 J**	**3.0 J**	**31**	**31 D**

Notes:
Data level review indicates whether the result was obtained from the final lab report or from the Data Usability Summary Report (DUSR), prepared by an independent data validator.
All concentrations in micrograms per liter (ug/L), equivalent to parts per billion (ppb).
D - the result was obtained from a dilution run.
J - estimated concentration
< - the compound was not detected; the corresponding value is the quantitation limit.
Bolded values indicate detections
Shaded values are at or above the associated NYSDEC Class GA Groundwater Standards/Guidance Values.
Table includes only those volatile organic compounds that were detected in one or more groundwater sample.

TABLE 2
DETECTED CONSTITUENTS IN SUBSURFACE SOIL

FORMER WHITESBORO DRY CLEANERS SITE

Data Level Review			LAB	DUSR	LAB	DUSR	LAB	DUSR
Sample ID	**NYSDEC**	**NYSDEC**	**SB-1(1.5-2ft)**	**SB-1(1.5-2ft)**	**SB-2(2-3ft)**	**SB-2(2-3ft)**	**SB-3(1.5-2ft)**	**SB-3(1.5-2ft)**
Date	**SCOs**	**SCOs**	**9/24/2009**	**9/24/2009**	**9/24/2009**	**9/24/2009**	**9/24/2009**	**9/24/2009**
Lab ID	**Unrestricted**	**Commercial**	**U0909490-006A**	**U0909490-006A**	**U0909490-007A**	**U0909490-007A**	**U0909490-008A**	**U0909490-008A**
Acetone	50	500,000	< 1,200,000	< 60,000	< 59	R	**130 B**	R
n-Butylbenzene	12,000	500,000	< 600,000	< 60,000	< 29	R	< 29	R
cis-1,2-Dichloroethene	250	500,000	< 600,000	< 60,000	< 29	R	**910**	**920 J**
trans-1,2-Dichloroethene	190	500,000	< 600,000	< 60,000	< 29	R	**99**	**99 J**
Methylene chloride	260	500,000	< 600,000	< 60,000	< 29	< 18	**210 B**	<26
n-Propylbenzene	12,000	500,000	< 600,000	< 60,000	< 29	R	< 29	R
Tetrachloroethene	1,300	150,000	**9,500,000**	**9,500,000 DJ**	**110**	**130 J**	**140**	**180 J**
Trichloroethene	470	200,000	< 600,000	**74,000**	< 29	R	**40**	**40 J**
1,2,4-Trimethylbenzene	3,600	190,000	< 600,000	< 60,000	< 29	R	< 29	R
1,3,5-Trimethylbenzene	8,400	190,000	< 600,000	< 60,000	< 29	R	< 29	R
m,p-Xylene	260	500,000	< 600,000	< 60,000	< 29	R	< 29	< 12
o-Xylene	260	500,000	< 600,000	< 60,000	< 29	R	< 29	< 12

See Notes on Page 4.

TABLE 2
DETECTED CONSTITUENTS IN SUBSURFACE SOIL

FORMER WHITESBORO DRY CLEANERS SITE

Data Level Review			**LAB**	**DUSR**	**LAB**	**DUSR**	**LAB**	**DUSR**
Sample ID	**NYSDEC**	**NYSDEC**	**SB-4(2-3ft)**	**SB-4(2-3ft)**	**SB-5(6-7ft)**	**SB-5(6-7ft)**	**SB-6(2-3ft)**	**SB-6(2-3ft)**
Date	**SCOs**	**SCOs**	**9/24/2009**	**9/24/2009**	**9/25/2009**	**9/25/2009**	**9/25/2009**	**9/25/2009**
Lab ID	**Unrestricted**	**Commercial**	**U0909490-009A**	**U0909490-009A**	**U0909490-010A**	**U0909490-010A**	**U0909490-011A**	**U0909490-011A**
Acetone	50	500,000	< 23	R	**50 B**	R	< 6100	R
n-Butylbenzene	12,000	500,000	< 12	< 12 J	< 12	R	< 3000	R
cis-1,2-Dichloroethene	250	500,000	< 12	< 12	< 12	R	**1000 J**	**1300 J**
trans-1,2-Dichloroethene	190	500,000	< 12	< 12	< 12	R	< 3000	**85 J**
Methylene chloride	260	500,000	< 12	< 11	**94 B**	R	< 3000	<29 J
n-Propylbenzene	12,000	500,000	< 12	< 12	< 12	R	< 3000	R
Tetrachloroethene	1,300	150,000	**53**	**53**	**79**	**87 J**	**41,000**	**41,000 J**
Trichloroethene	470	200,000	< 12	< 12	< 12	R	**3300**	**3300 J**
1,2,4-Trimethylbenzene	3,600	190,000	< 12	< 12	< 12	**10 J**	< 3000	R
1,3,5-Trimethylbenzene	8,400	190,000	< 12	< 12	< 12	R	< 3000	R
m,p-Xylene	260	500,000	< 12	< 12	< 12	R	< 3000	R
o-Xylene	260	500,000	< 12	< 12	< 12	R	< 3000	R

See Notes on Page 4.

TABLE 2
DETECTED CONSTITUENTS IN SUBSURFACE SOIL

FORMER WHITESBORO DRY CLEANERS SITE

Data Level Review			**LAB**	**DUSR**	**LAB**	**DUSR**
Sample ID	**NYSDEC**	**NYSDEC**	**SB-7(2-3ft)**	**SB-7(2-3ft)**	**SB-8(2.5-3ft)**	**SB-8(2.5-3ft)**
Date	**SCOs**	**SCOs**	**9/25/2009**	**9/25/2009**	**9/25/2009**	**9/25/2009**
Lab ID	**Unrestricted**	**Commercial**	**U0909490-012A**	**U0909490-012A**	**U0909490-013A**	**U0909490-013A**
Acetone	50	500,000	**43 B**	R	< 1200	R
n-Butylbenzene	12,000	500,000	< 11	< 11 J	< 580	< 570 J
cis-1,2-Dichloroethene	250	500,000	< 11	< 11	< 580	< 570
trans-1,2-Dichloroethene	190	500,000	< 11	< 11	< 580	< 570
Methylene chloride	260	500,000	**84 B**	<12	< 580	< 570
n-Propylbenzene	12,000	500,000	< 11	< 11 J	< 580	< 570
Tetrachloroethene	1,300	150,000	**23**	**45**	**500 J**	**530 J**
Trichloroethene	470	200,000	< 11	< 11	< 580	< 570
1,2,4-Trimethylbenzene	3,600	190,000	< 11	< 11 J	< 580	< 570
1,3,5-Trimethylbenzene	8,400	190,000	< 11	< 11 J	< 580	< 570
m,p-Xylene	260	500,000	< 11	< 11	< 580	< 570
o-Xylene	260	500,000	< 11	< 11	< 580	< 570

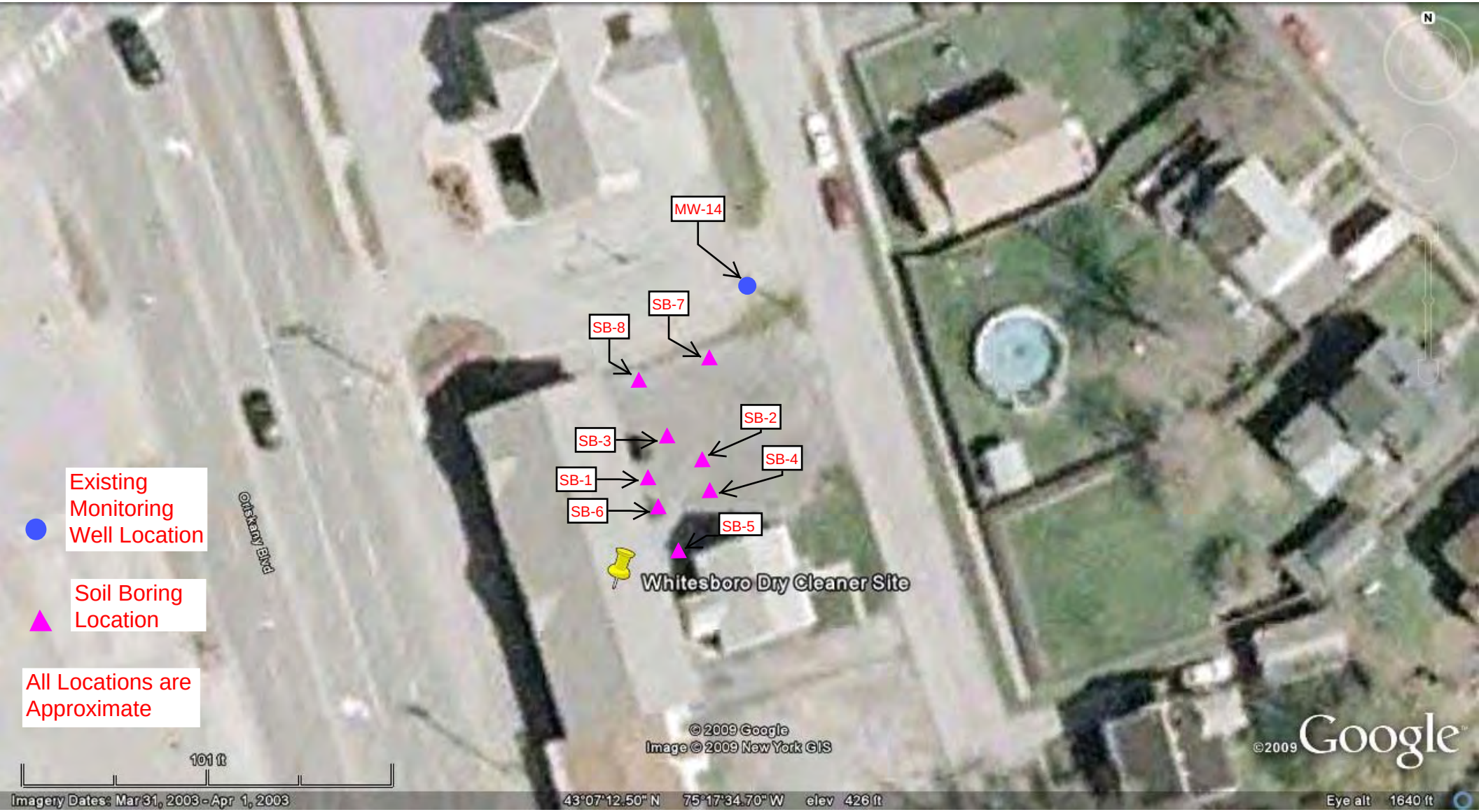
See Notes on Page 4.

TABLE 2
DETECTED CONSTITUENTS IN SUBSURFACE SOIL

FORMER WHITESBORO DRY CLEANERS SITE

Data Level Review			**LAB**	**DUSR**
Sample ID **Date** **Lab ID**	**NYSDEC SCOs Unrestricted**	**NYSDEC SCOs Commercial**	**SB-8(2.5-3ft) (Dup-2) 9/25/2009 U0909490-014A**	**SB-8(2.5-3ft) (Dup-2) 9/25/2009 U0909490-014A**
Acetone	50	500,000	< 1300	R
n-Butylbenzene	12,000	500,000	**2700**	**2700 J**
cis-1,2-Dichloroethene	250	500,000	< 660	< 660
trans-1,2-Dichloroethene	190	500,000	< 660	< 660
Methylene chloride	260	500,000	< 660	< 660
n-Propylbenzene	12,000	500,000	< 660	**640 J**
Tetrachloroethene	1,300	150,000	**500 J**	**540 J**
Trichloroethene	470	200,000	< 660	< 660
1,2,4-Trimethylbenzene	3,600	190,000	**14,000**	**14,000**
1,3,5-Trimethylbenzene	8,400	190,000	**5300**	**5400**
m,p-Xylene	260	500,000	**1000**	**1000**
o-Xylene	260	500,000	**810**	**810**

Notes:
Data level review indicates whether the result was obtained from the final lab report or from the Data Usability Summary Report (DUSR), prepared by an independent data validator.
All concentrations in micrograms per kilogram (ug/Kg), equivalent to parts per billion (ppb).
B - the compound was also detected in an associated blank; its presence in the sample is suspect.
R - the associated results were rejected by the independent validator.
< - the compound was not detected; the corresponding value is the quantitation limit.
Bolded values indicate detections
Shaded values are at or above the associated NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for unrestricted property use.
Boxed values are at or above the associated NYSDEC Remedial Program SCOs for commercial property use.
Table includes only those volatile organic compounds that were detected in one or more soil sample.



Former Whitesboro Dry Cleaners Site
Figure 1 - Aerial Photograph with Sampling Locations

GENERAL NOTES:

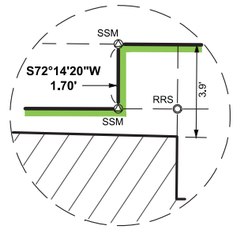
1. *Underground facilities, structures and utilities have been placed on this drawing from field locations, where visible or from recorded drawings provided to the undersigned. Therefore, locations should be considered approximate only. There may be other facilities or utilities, the existence of which are not known: for this reason, UFPO shall be contacted a minimum of 48 hours prior to any underground excavation.*
2. *Elevations shown are based on field measurements. Contours are merely interpolation and should be considered as such only.*

MAP REFERENCE:

(M.R. #1) *"Map Of Whitesboro Manors" Village Of Whitesboro, Town Of Whitestown, Oneida County, State Of New York By Merritt & LaBella, C.E. & L.S. and Filed in the Oneida County Clerks Office on August 7, 1922.*

DEED REFERENCE:

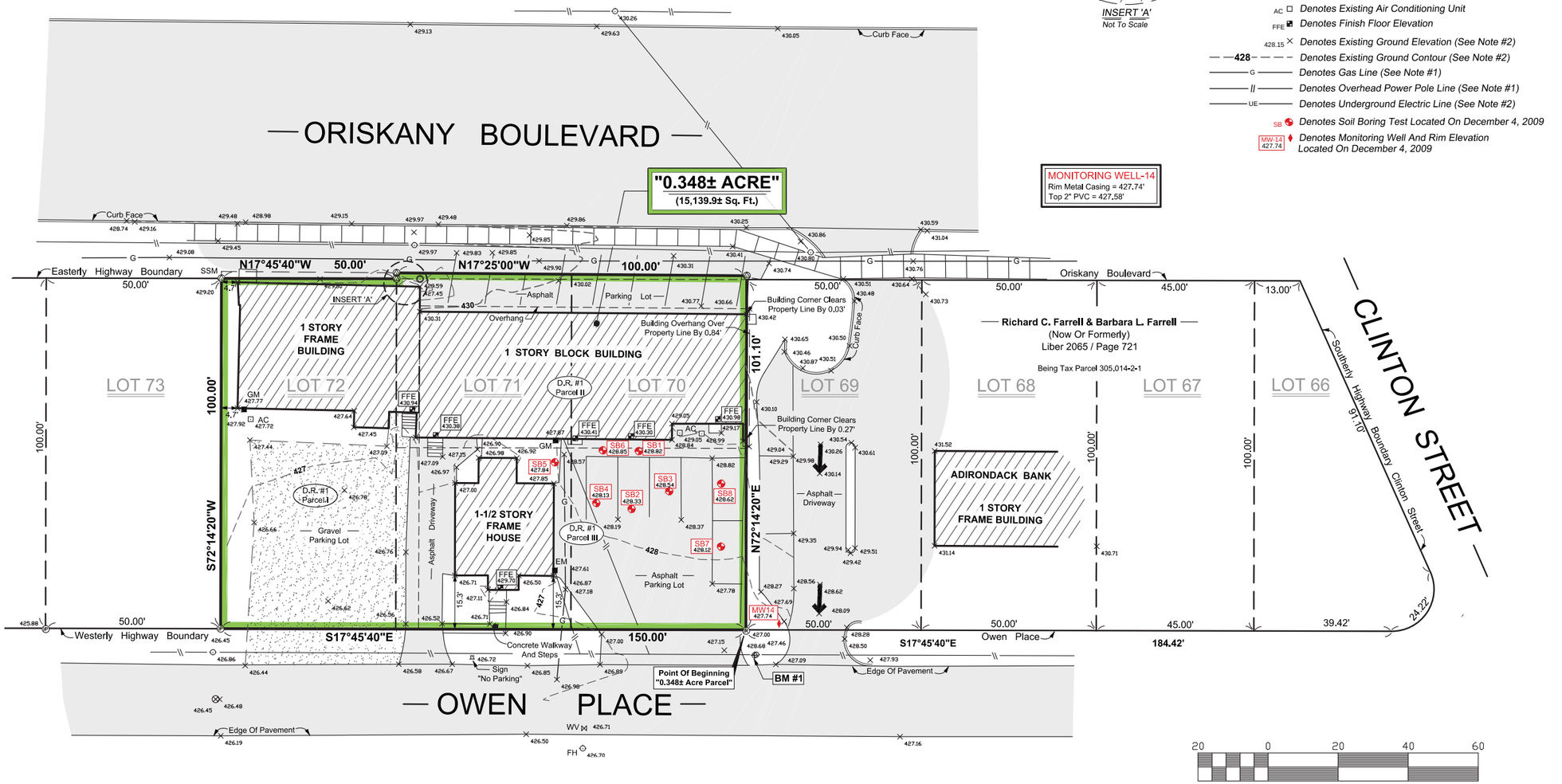
(D.R. #1) *Anthony Commisso And Vikki A. Commisso to* ***Joseph S. Bravo And Bonnie Bravo*** *Warranty Deed - Dated: November 8, 2001 Liber 3019 Of Deeds / Page 303*



INSERT 'A'
Not To Scale

LEGEND:

- *Denotes Existing Iron Pin*
- SSM *Denotes Set Survey Marker*
- RRS *Denotes Existing Railroad Spike*
- *Denotes Existing Power Pole*
- FH *Denotes Existing Fire Hydrant*
- WV *Denotes Existing Water Valve*
- *Denotes Existing Manhole*
- GM *Denotes Existing Gas Meter*
- EM *Denotes Existing Electric Meter*
- AC *Denotes Existing Air Conditioning Unit*
- FFE *Denotes Finish Floor Elevation*
- 428.15 *Denotes Existing Ground Elevation (See Note #2)*
- 428 *Denotes Existing Ground Contour (See Note #2)*
- G *Denotes Gas Line (See Note #1)*
- *Denotes Overhead Power Pole Line (See Note #1)*
- UE *Denotes Underground Electric Line (See Note #2)*
- SB *Denotes Soil Boring Test Located On December 4, 2009*
- MW-14 427.74 *Denotes Monitoring Well And Rim Elevation Located On December 4, 2009*



BENCH MARK #1:
Bench Tie Set In Power Pole
Elevation = 428.68' (NAVD 88)

20 0 20 40 60

Unauthorized Alteration Or Addition To A Survey Map Bearing A Licensed Land Surveyor's Seal Is A Violation Of Section 7209-2, Of The New York State Education Law.

Only Copies From The Original Of This Survey Marked With The Land Surveyor's Signature And An Original Embossed Or Ink Seal Shall Be Considered Valid True Copies.

Being Tax Parcel 305.014-2-33, 34.2, 34.1

NO.	DATE	REVISION	BY

THE UNDERSIGNED HEREBY CERTIFIES THAT THIS IS AN ACCURATE MAP OF AN ACTUAL FIELD SURVEY DATED:_____AND THAT BOTH MAP AND SURVEY ARE CORRECT.

BRUCE W. SNYDER L.S. #050195

Lands Of

Joseph S. Bravo & Bonnie Bravo

Owen Place And Oriskany Boulevard

Village Of Whitesboro, Town Of Whitestown, Oneida County

State of New York

DELTA
ENGINEERS, ARCHITECTS & LAND SURVEYORS
Formerly Snyder Engineering & Land Surveying, LLP
4873 New York State Route #5, Vernon, NY 13476
Phone: (315) 953-4200 Fax: (315) 953-4202
Email: landsurveying@deltaengineers.com
www.deltaengineers.com

Designed by:	N/A
Drawn by:	C. Jacobs
Reviewed by:	B. Snyder
Date:	December 17, 2009
Last Revised:	
Scale:	1"= 20 Feet
Contract #:	2009.490.001
File #:	09-222

OP-TECH Environmental Services, Inc.

New York State Department of Environmental Conservation

MEMORANDUM

TO: DENNIS FARRAR, BHSC

FROM: DARRELL SWEREDOSKI

SUBJ: CLASS "P" LISTING PACKAGE FOR FORMER WHITESBORO DRY CLEANER SITE, 130 ORISKANY BOULEVARD., WHITESBORO, ONEIDA COUNTY

DATE: April 26, 2004

I am requesting a Class "P" listing for the above site identified as a former dry cleaning business.

During the investigation of a petroleum spill site at the former Farrell's Garage site located at 136 Oriskany Boulevard (spill # 86-02108), chlorinated solvent contamination in the overburden groundwater was documented. In a report entitled "Groundwater Quality Study", prepared by Passaretti Geological & Environmental Consultants, Inc., and dated June 10, 1994, 12 ug/l PCE was detected in an upgradient well (MW-2) located on the east-southeast edge of the former Farrell's Garage site. The report identified a dry cleaning business currently occupying a building adjacent and immediately upgradient of the spill site. Subsequent groundwater monitoring required by the spill investigation has documented significant levels of PCE, TCE, DCE and VC in one or more monitoring wells at the spill site. Based on the groundwater data from the spill site, there is sufficient reason to believe that there may be significant contamination on the adjacent property from the former dry cleaning operations that has impacted the groundwater.

I am recommending a "P" classification at this time since there is no environmental sampling data on the former dry cleaning site and additional information is needed to characterize the potential source area.

Attached please find the following:

1. Site Investigation Information form.
2. Classification Work Sheet.
3. Site Priority Ranking Score Sheet.
4. Figure A - 1966 Sanborn Map showing the location of the former dry cleaner business.
5. Figure B - Tax Parcel Map
6. Figure C - USGS Topo Map showing the site location.
7. Figure D - Well and Boring Location Map of the former Farrell's Garage site.

8. Table - 1: Summary of groundwater analytical data from the wells on the former Farrell's Garage site.

9. 3 pages of photographs of the site as it exists today.

If you have any questions or require additional information, please contact Philip Waite at 315-785-2513.

Darrell Sweredoski, P.E.
Hazardous Waste Remediation Engineer

Attachments

cc w/att.: P. Waite

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

8/23/94

SITE INVESTIGATION INFORMATION

1. SITE NAME	2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
Former Dry Cleaner Site 130 Oriskany Blvd.	633054	Whitesboro	ONEIDA

5. REGION	6. CLASSIFICATION
6	CURRENT NA PROPOSED "P" NEW

7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)

a. Quadrangle UTICA WEST

b. Site Latitude 43° 07' 12" Site Longitude -75° 17' 35"

c. Tax Map Numbers Oneida County Tax Maps 305.014-2-33, 305.014-2-34.1 & 34.2

d. Site Street Address 130 Oriskany Blvd., Whitesboro, Oneida County

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)

Site contained dry cleaner operations as of 1994 and shown on 1966 Sanborn Map (attached). Currently the site contains two adjoined commercial buildings containing a Pet Grooming Shop, and Physical Therapy office in one bldg., and a Thrift Store in another bldg., and parking areas in front and back (see attached photos).

a. Area 0.2 acres b. EPA ID Number _____

c. Completed ( )Phase I ( )Phase II ( ) PSA ( )RI/FS ( )PA/SI ( )Other **No on-site data to date**

9. Hazardous Waste Disposed (Include EPA Hazardous Waste Numbers)

Potential hazardous waste and breakdown products from dry cleaning operations.

F002: tetrachloroethene & trichloroethene.

10. ANALYTICAL DATA AVAILABLE

a. ( )Air (X)Groundwater ( )Surface Water (X)Sediment ()Soil ( )Waste ( )Leachate ( )EPTox ( )TCLP

b. Contravention of Standards or Guidance Values

Groundwater data from downgradient property, adjacent to site has historically contained PCE & TCE levels above 6NYCRR Part 703.5 groundwater quality standards.

11. CONCLUSION

Consistent levels of chlorinated solvents in the groundwater at the downgradient property adjacent to the site are suspected of originating from the former dry cleaning operation. Additional on-site investigation is needed to verify.

12. SITE IMPACT DATA

a. Nearest Surface Water: Distance 2000 ft. Direction: Southeast Classification C (T) (Sauquoit Creek)

b. Nearest Groundwater: Depth 9 ft. Flow Direction North ( )Sole Source ( )Primary ( )Principal

c. Nearest Water Supply: Distance 1 mile Direction Northeast Active (X)Yes ( )No

d. Nearest Building: Distance 0 ft. Direction: On-Site Use: Commercial / Retail

e. In State Economic Development Zone?	( )Y	(X)N	i. Controlled Site Access?	( )Y	(X)N
f. Crops or livestock on site?	( )Y	(X)N	j. Exposed hazardous waste? Unknown	( )Y	( )N
g. Documented fish or wildlife mortality?	( )Y	(X)N	k. HRS Score _____		
h. Impact on special status fish or wildlife resource?	( )Y	(X)N	l. For Class 2: Priority Category		

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE
Property Owner: Joseph Bravo	9174 Hayes Road, Marcy, NY 13403	

16. PREPARER Philip G. Waite	17. APPROVED Darrell Sweredoski
Philip G. Waite 4/26/04	Darrell Sweredoski 4/30/04
Signature Date	Signature Date
Environmental Engineer II, NYSDEC	Regional Haz Waste Remediation Engineer
Name, Title, Organization	Name, Title, Organization

CLASSIFICATION WORKSHEET

Site: Former Dry Cleaner Site, Oriskany Blvd., Whitesboro County: Oneida Region: 6

1. Hazardous waste disposed? ☒ Y (to 2) ☐ N (Stop) ☐ U (Stop)
2. Consequential amount of hazardous waste? ☐ Y (to 3) ☐ N (Stop) ☒ U (Stop)
3. Part 375-1.4(a)(1) applies? ☐ N (to 4) ☒ U (to 4)

☐ Y (as checked below; Class 2; to 5)

☐ a. endangered or threatened species

☐ b. streams, wetlands or coastal zone

☐ c. bioaccumulation

☐ d. fish, shellfish, crustacea or wildlife

☐ e. fire, spill, explosion or toxic reaction

☐ f. proximity to people or water supplies

---

4. Part 375-1.4(a)(2) applies? ☐ N (Cl 3; Stop) ☐ U (Cl 2a; Stop)

☒ Y (Class 2; to 5) See item 5.

5. Factor(s) considered in making this determination:

Contravention of groundwater quality standards at an adjacent property, downgradient from the site. Monitoring wells located at an adjacent property, downgradient from the site have shown consistent levels of chlorinated solvents including tetrachloroethene

SUMMARY

Consequential Hazardous Waste	☐ Yes	☐ No	☒ Unknown
Significant Threat	☐ Yes	☐ No	☒ Unknown

Proposed Classification "P" Site Number 633054

Both a Phase I and Phase II investigation of this site is needed to verify the potential of the disposal of consequential amounts of hazardous waste.

Philip G. White EE II — Signature and Title

4/26/04 — Date

Site Priority Ranking

Priority Ranking Home Page

Search for Site Ran

Please Update the form fields or revise the answers to the questions given your current knowledge of the site.

(Note:For assistance in answering the questions please put your mouse pointer over the Question Number on the hand side of the table. If you need to review the General Instructions click HERE and a separate window will pop u NOT go back to the the Priority Ranking Home Page you may lose data or any changes you've made.)

Division of Environmental Remediation - Priority Ranking Scoresheet

Scored By: pgwaite **(Novell username)**	**Scoring Date:** 04/23/2004
Site Number:(EXAMPLES) 633054	**Site Name:** Former Whitesboro Dry Cleaners
Lead Bur./Reg.: Region 6	**Lead Sect.:** Select A Lead Section
Project Type: Site Characterization	**Site Located in Reg.:** 6 **(Not Necessary if Regio Lead)**
Program Type(Check all that apply)	☐ VCP ☐ BF ☑ HW ☐ SP
FUND SOURCE(Check all that Apply)	☑ PRP ☐ EPA ☐ Loc. Gov. ☐ SSF ☐ OPA 90 ☐ T3 ☐ VC ☐ BF ☐ OSF
SITE SETTING(select all that may apply)	☐ URBAN ☐ RURAL ☑ SUBURBA ☑ COMMERCIAL ☐ INDUSTRIAL ☑ RESIDENT

Site Priority Scoring

	Prioritization Factors	Yes/No	Impact Value	FACTOR SCORE	Cummulat Score
1	Public or Community Water Supply Impact detected?	○ Yes ◉ No	100	0	0
2	Private Water Supply Impact detected?	○ Yes ◉ No	100	0	0
3	Dermal or Ingestion Impact detected?	○ Yes ◉ No	100	0	0
4	Vapor/Inhalation Impact detected?	○ Yes ◉ No	100	0	0
5	Ecosystem impacted?	○ Yes ◉ No	90	0	0
6	Surface water or utilities impacted?	○ Yes ◉ No	75	0	0
7	Public or Community Water Supply threatened?	○ Yes ◉ No	75	0	0

8	Private Water Supply threatened?	O Yes ◉ No	60	0	0
9	Dermal or Ingestion impact threatened?	O Yes ◉ No	60	0	0
10	Vapor/Inhalation impacts threatened?	O Yes ◉ No	60	0	0
11	Ecosystem threatened?	◉ Yes O No	50	50	50
12	Surface water or utilities threatened?	◉ Yes O No	50	50	100
13	Highly Persistent or Mobile Material?	◉ Yes O No	50	50	150
14	Primary or High Yield Aquifer impacted?	O Yes ◉ No	50	0	150
15	Material Acutely Toxic or Significant Potential Human Health Threat?	O Yes ◉ No	40	0	150
16	Extensive Areal Extent?	O Yes ◉ No	30	0	150
17	Groundwater impacted?	◉ Yes O No	20	20	170
18	Contaminated soils?	O Yes ◉ No	20	0	170
19	Significant Volume/Concentration of Contaminant?	O Yes ◉ No	20	0	170
	IMPACT SCORE				170

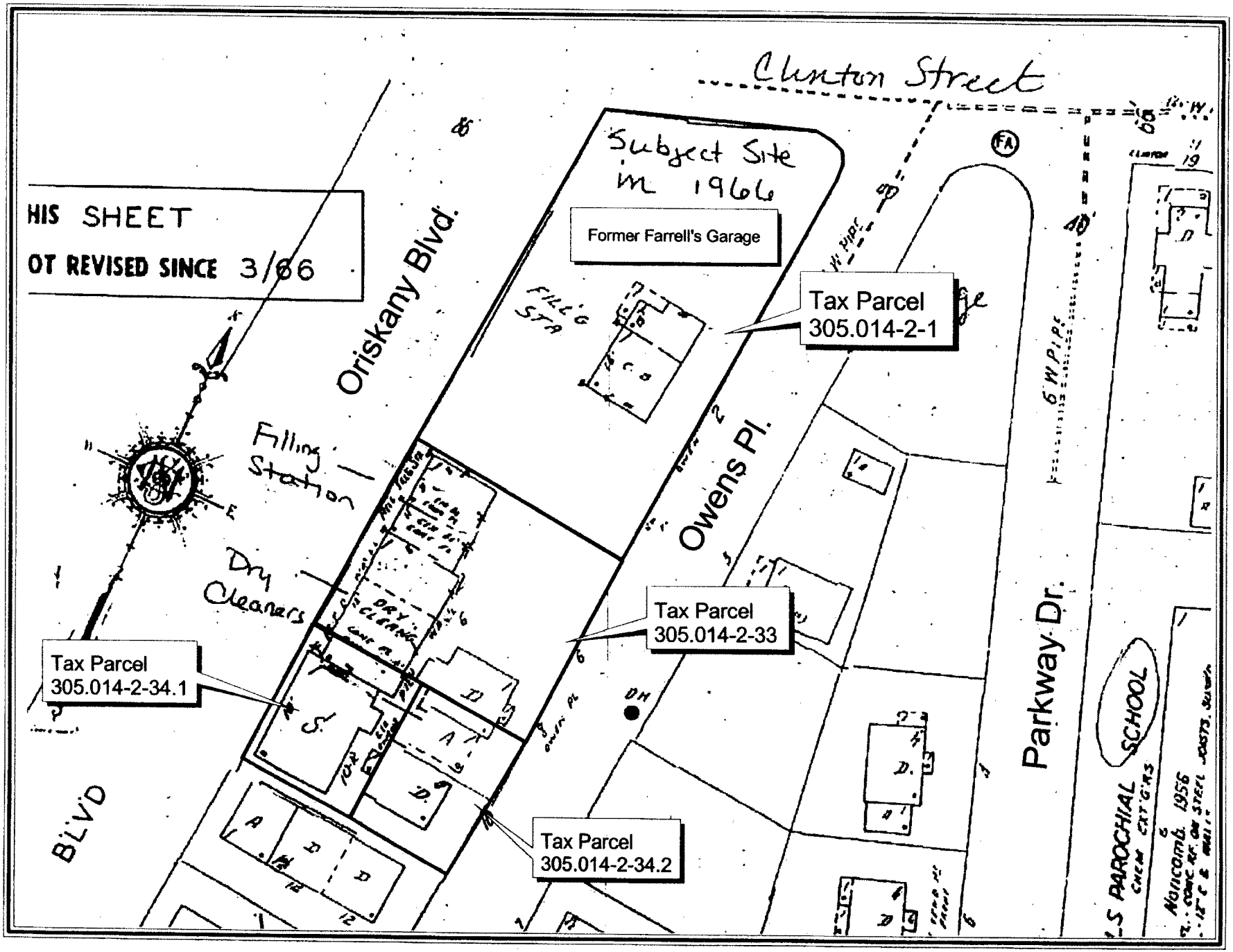
UPDATE Cancel

Note: To update the Ranking score sheet click on the button labeled UPDATE.

Return to Search Results

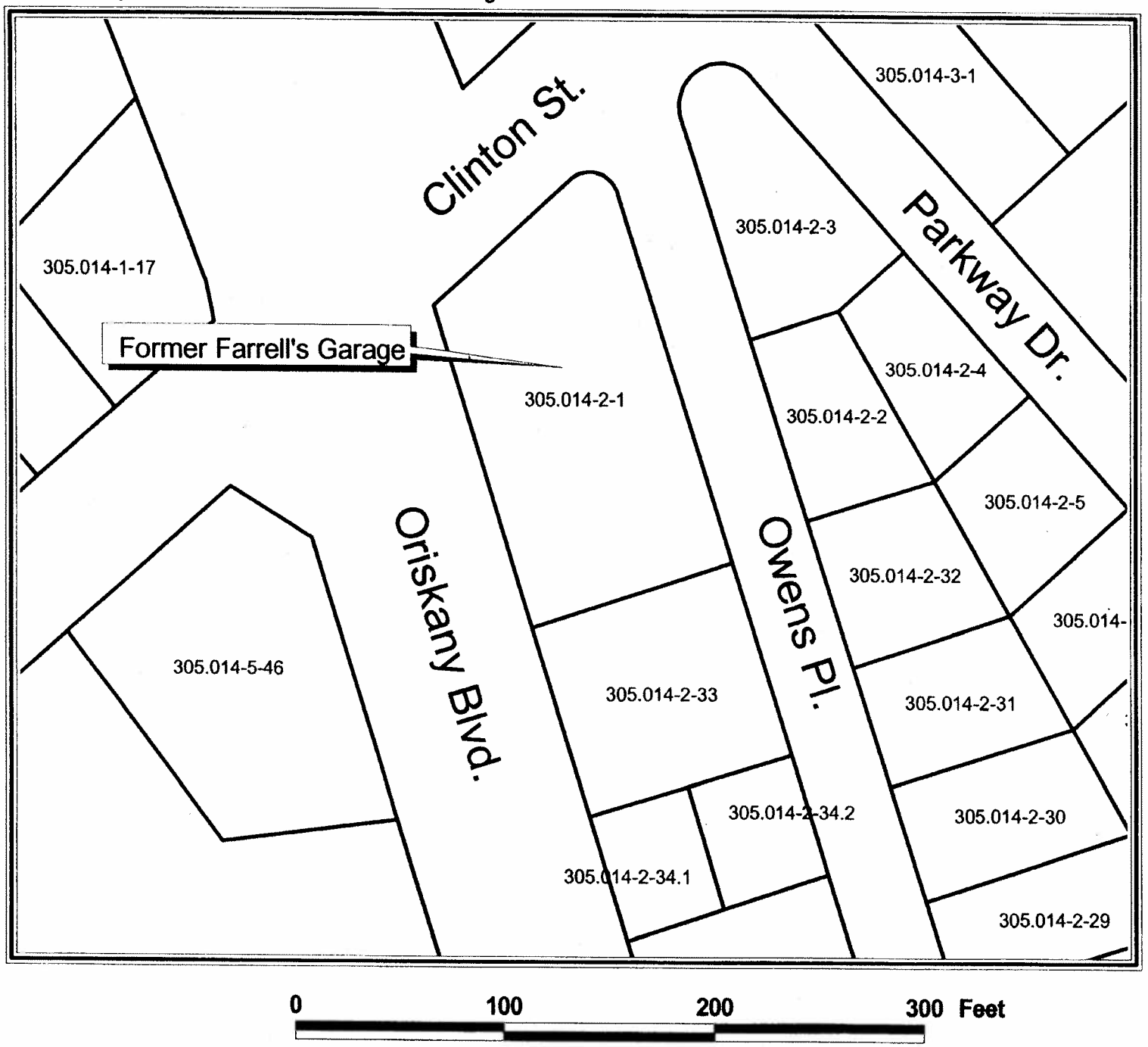
If you have problems or questions please contact Eric Obrecht (518.402.9756) or email: erobrech@gw.dec.state.ny.us

Figure A


Clinton Street
Subject Site
in 1966
Former Farrell's Garage
Tax Parcel
305.014-2-1
Oriskany Blvd.
Owens Pl.
Parkway Dr.
Filling
Station
Dry
Cleaners
Tax Parcel
305.014-2-33
Tax Parcel
305.014-2-34.1
Tax Parcel
305.014-2-34.2
SCHOOL

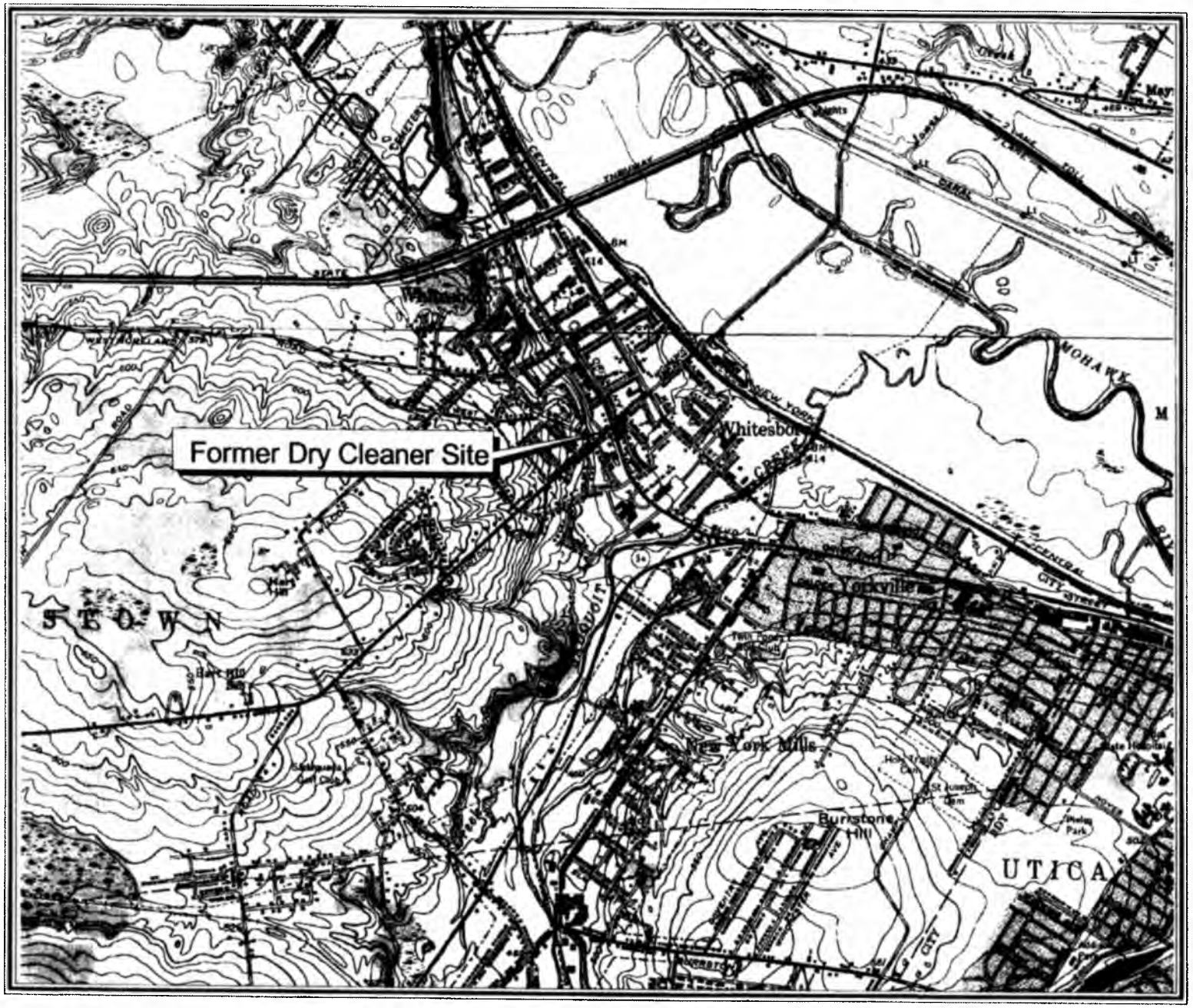
Former Dry Cleaner Site next to Farrell's Garage

Figure B



Former Dry Cleaner Site next to Farrell's Garage

Figure C



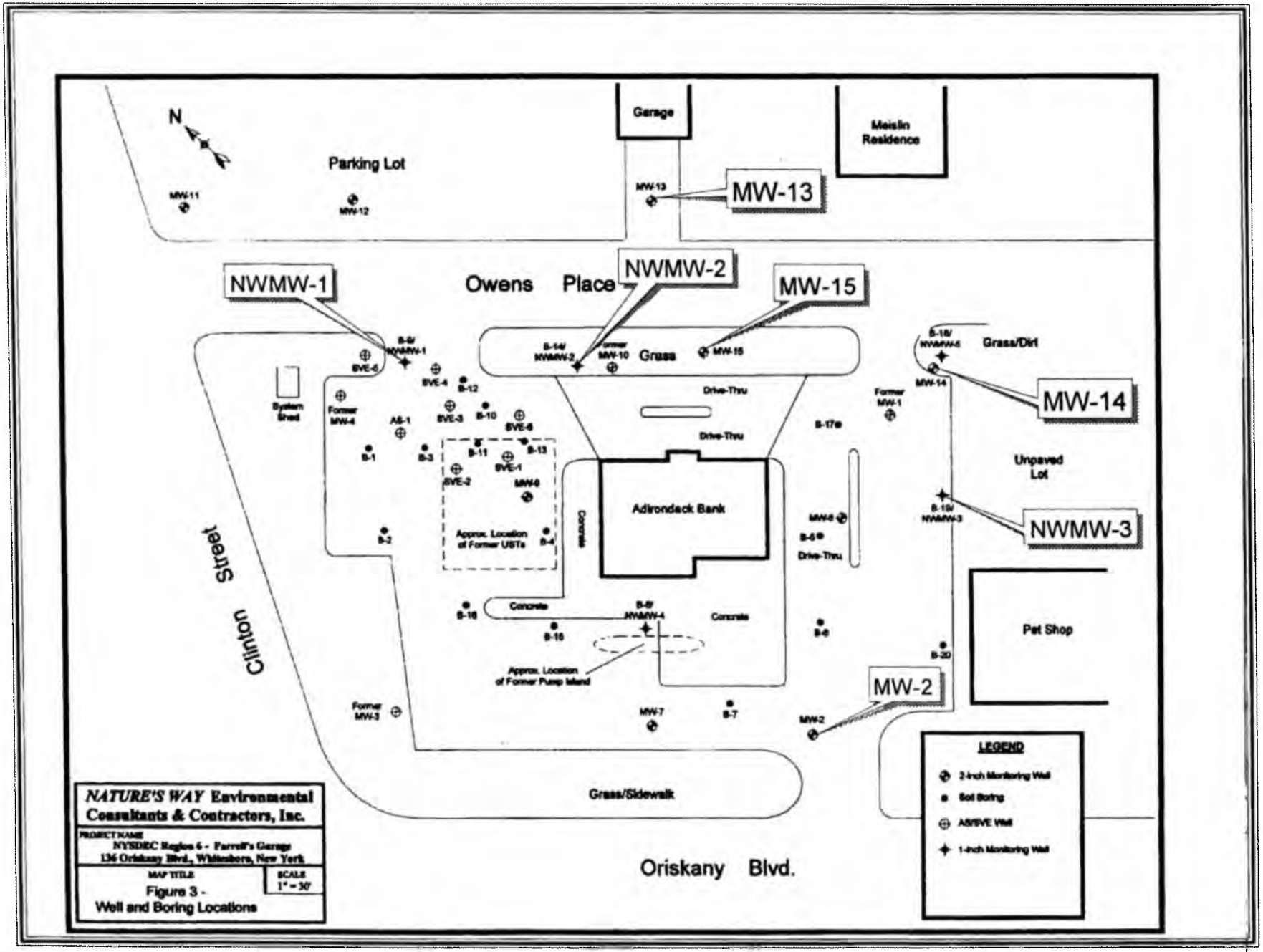

N
Garage
Meislin Residence
Parking Lot
MW-11
MW-12
MW-13
MW-13
NWMW-1
Owens Place
NWMW-2
MW-15
Grass
MW-10
MW-15
Grass/Dirt
MW-14
MW-14
Drive-Thru
Drive-Thru
System Shed
Former MW-4
AS-1
SVE-5
SVE-4
SVE-3
SVE-6
SVE-1
SVE-2
B-1
B-3
B-10
B-11
B-12
B-13
MW-6
Approx. Location of Former USTs
B-2
B-4
Concrete
Adirondack Bank
B-17
Former MW-1
Unpaved Lot
NWMW-3
MW-8
B-6
Drive-Thru
Pet Shop
B-16
B-15
Concrete
B-5
B-20
Approx. Location of Former Pump Island
MW-2
Former MW-3
MW-7
B-7
MW-2
Clinton Street
Grass/Sidewalk
Oriskany Blvd.
LEGEND
2-inch Monitoring Well
Soil Boring
AS/SVE Well
1-inch Monitoring Well
NATURE'S WAY Environmental Consultants & Contractors, Inc.
PROJECT NAME
NYSDEC Region 6 - Farrell's Garage
136 Oriskany Blvd., Whitesboro, New York
MAP TITLE
Figure 3 -
Well and Boring Locations
SCALE
1" = 30'

TABLE - 1

Former Farrell's Garage
Spill No. 86-02108
Oriskany, NY
23-Apr-04

Date	Boring/ Well ID	Tot Cholorinated VOCs (ug/l)	VC (ug/l)	cis-1,2- DCE (ug/l)	TCE (ug/l)	PCE (ug/l)
19931203	MW-02	12.0	NA	NA	<1.0	12.0
19990805	MW-02	NS				
19991007	MW-02	<1.0	ND	ND	ND	ND
20000420	MW-02	NS				
20011009	MW-09	ND	<10.0	<10.0	<10.0	<10.0
20011009	MW-11	ND	<10.0	<10.0	<10.0	<10.0
20011009	MW-12	ND	<1.0	<1.0	<1.0	<1.0
19990805	MW-13	NS				
19991007	MW-13	3.2	3.2			
20000420	MW-13	NS				
20011009	MW-13	NS	NS	NS	NS	NS
20031014	MW-13	9.6	9.6	<1.0	<1.0	<1.0
19990805	MW-14	4720.0	NA	NA	ND	4720.0
19991007	MW-14	4680.0	ND	1500.0	480.0	2700.0
20000420	MW-14	438.0	NA	65.0	53.0	320.0
20011009	MW-14	136.7	3.7	38.0	23.0	72.0
20031014	MW-14	52.0	9.4	36.0	5.0	1.6
19990805	MW-15	5.6	NA	NA	ND	5.6
19991007	MW-15	71.2	ND	15.0	5.2	51.0
20000420	MW-15	NS				
20011009	MW-15	41.5	<1.0	3.6	2.9	35.0
20031014	MW-15	10.1	<1.0	3.1	1.9	5.1
20020308	NWMW-1	32.0	NA	NA	ND	32.0
20031014	NWMW-1	ND	<10.0	<10.0	<10.0	<10.0
20020308	NWMW-2	ND	NA	NA	ND	ND
20031014	NWMW-2	11.3	<1.0	10.0	1.3	<1.0
20020308	NWMW-3	5.3	NA	NA	ND	5.3
20031014	NWMW-3	121.0	<2.0	11.0	<2.0	110.0
20020308	NWMW-4	ND	NA	NA	ND	ND

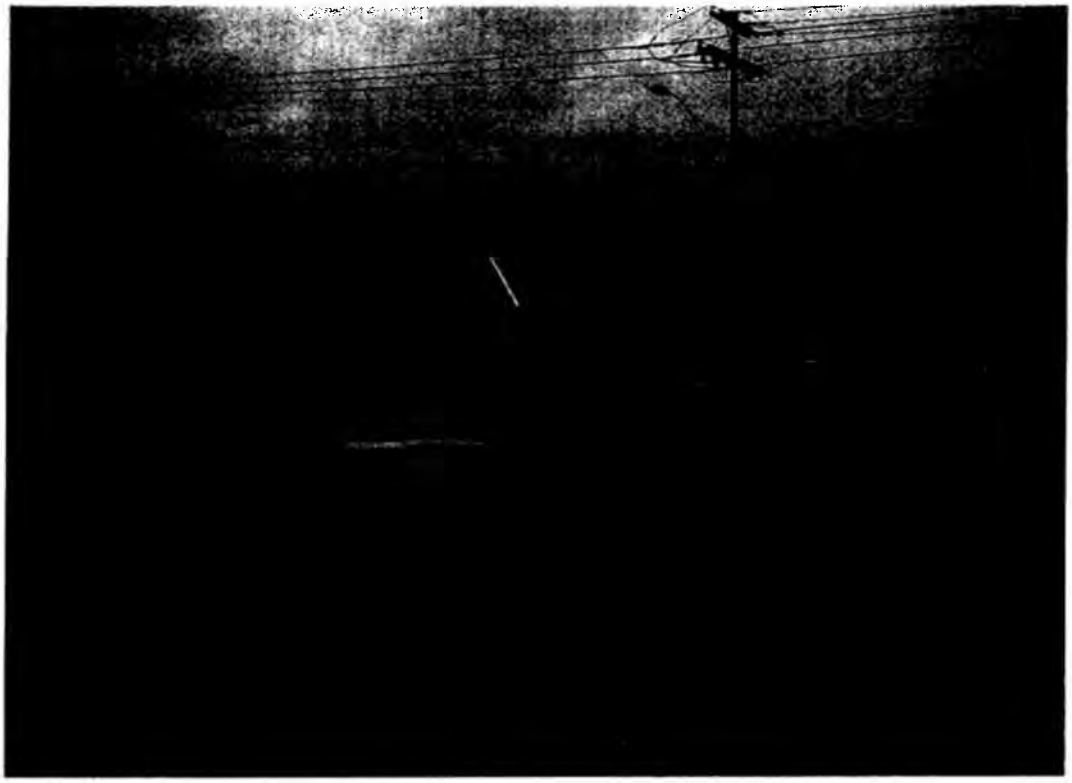


Figure 1 - Former Farrell's garage site, looking north.



Figure 2 - Bldg. containing Pet Grooming shop adjacent to former Farrell's Garage site.

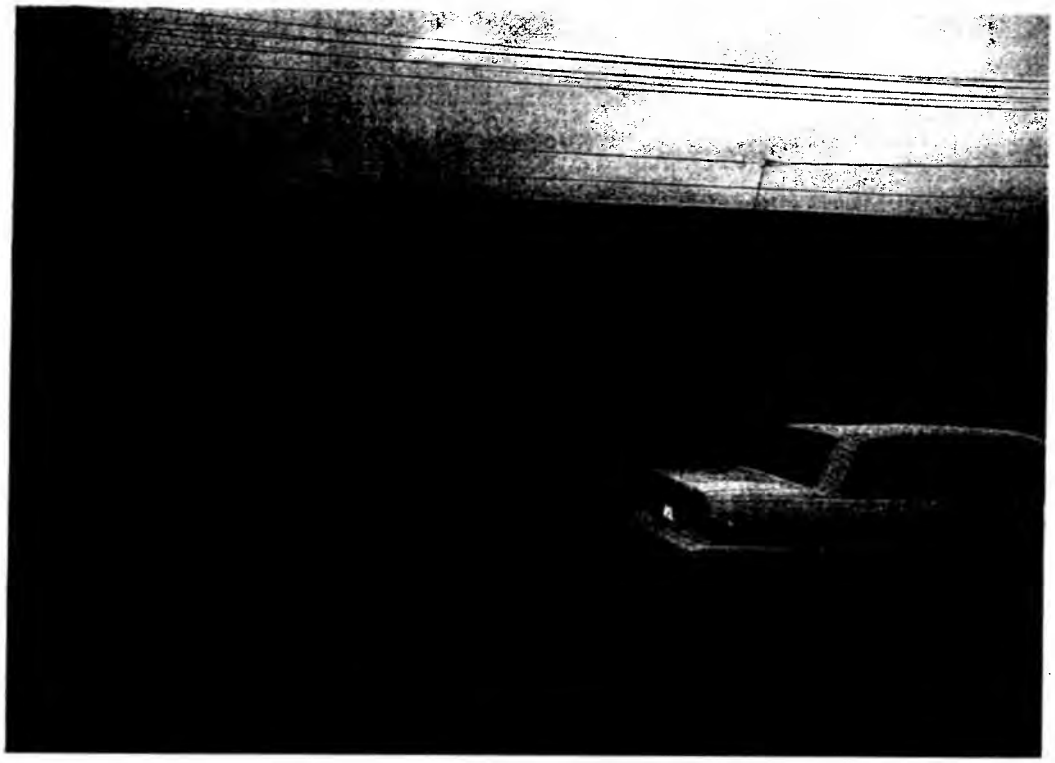


Figure 3 - Existing bldg. containing Pet Shop and Physical Therapy office, looking northeast.



Figure 4 - Existing bldg. containing Pet Shop and Physical Therapy office.

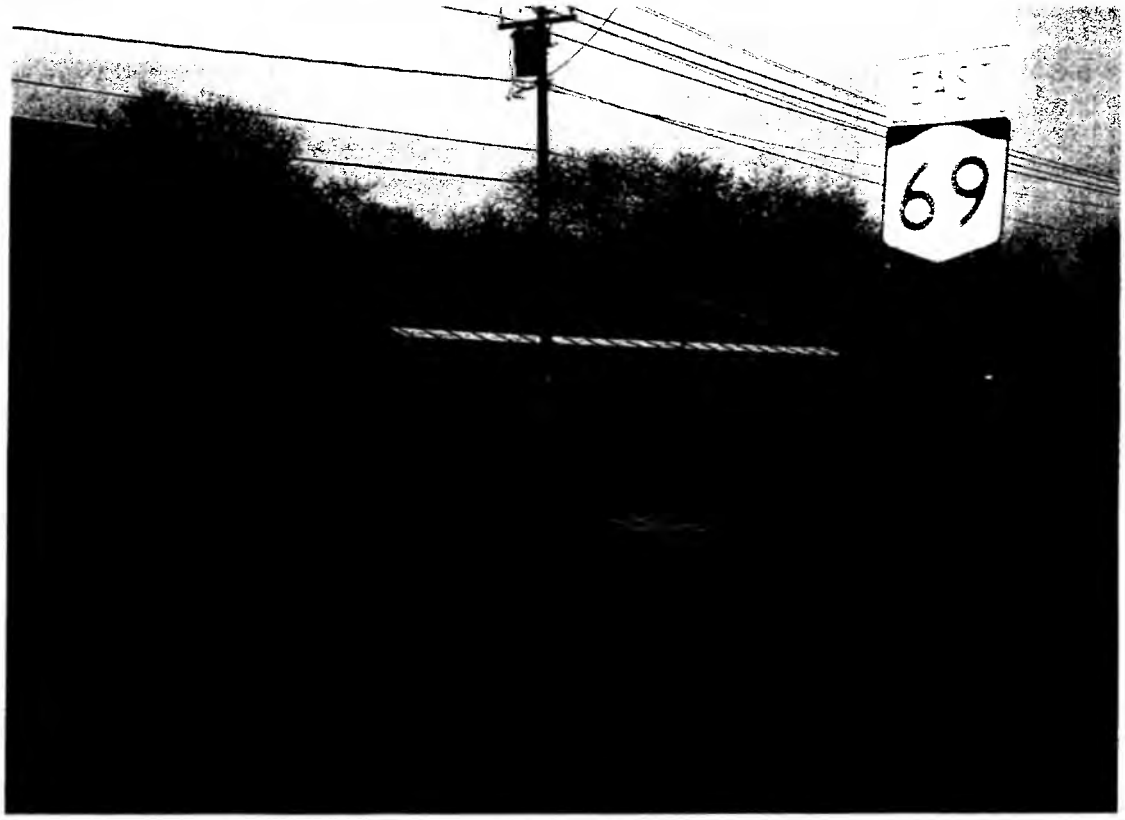


Figure 5 - Building containing Physical Therapy Office and adjoined bldg. containing the Thrift Store. Looking east - northeast. Note residential rental units right of the Thrift Store.

OP-TECH Environmental Services, Inc.

SUBSURFACE INVESTIGATION LOG

OP-TECH Project No.: SD600476
Date: 9/24/09
Boring I.D. SB-1/SB-1A

Client: NYSDEC
Project Location: Whitesboro Former Dry Cleaners
Whitesboro, New York
Probe Model: 6620 DT
OP-Tech Representatives: Lynette Mokry
Client Representative: Lincoln Fancher
Driller: CME
Utility Clearance by: DSNY
Sampling Method: MacroCore®

LEGEND

Relative Composition:
and = 35 to 50%
some = 20 to 30%
little = 10 to 20%
trace = less than 10%

Relative Grain Size:
c = coarse
m = medium
f = fine

SAMPLE NUMBER	RECOVERY (FT)	DEPTH (FT) FROM	TO	Description/Soil Characteristics/ Observations (COLOR, TEXTURE, RELATIVE MOISTURE, ODOR)	PID (ppm) DIRECT fbg	HEADSPACE fbg
1	3.4	0.0	5.0	ASPHALT first 0.3' 0.3 - 2.0' Gray/brown cmf GRAVEL, little cm Sand, angular, moist 2.0 - 2.5' Dark brown mf SAND, little fm Gravel, trace Silt, metal fragments. 2.5 - 3.1' Medium brown mf SAND, little mf Gravel, trace Silt, rubber fragments. 3.1 - 3.4' Black cmf SAND, little fm Gravel, moist, odor.	1400	3260
2	3.6	5.0	10.0	5.0 - 5.5' Dark brown cmf SAND, little fm Gravel, little Silt, moist. 5.5 - 8.0' Orange brown cmf SAND, some mf Gravel, wet. 8.0 - 8.6' Dark gray fmc SAND, some Silt, little fm Gravel, moist.	45	NA
				NOTES: sampled groundwater with SP-15 sampler from 8-12' soil from the following intervals showed positive fluorescence under long-wave/ short-wave UV light: 1.5-2', 2-2.5', 2.3-3', 4-5' (samples from 2-5' collected from offset boring SB-1A to acquire additional volume).		

ND = None Detected; PPM = Parts Per Million; NS Not Screened; FBG - feet below grade

BORING TERMINATED AT: 10 fbg BY: LBM

OP-TECH Environmental Services, Inc.

SUBSURFACE INVESTIGATION LOG

OP-TECH Project No.: SD600476
Date: 9/24/09
Boring I.D. SB - 2

Client: NYSDEC
Project Location: Whitesboro Former Dry Cleaners
Whitesboro, New York
Probe Model: 6620 DT
OP-Tech Representatives: Lynette Mokry
Client Representative: Lincoln Fancher
Others Present: CME
Utility Clearance by: DSNY
Sampling Method: MacroCore®

LEGEND

Relative Composition:
and = 35 to 50%
some = 20 to 30%
little = 10 to 20%
trace = less than 10%

Relative Grain Size:
c = coarse
m = medium
f = fine

SAMPLE NUMBER	RECOVERY (FT)	DEPTH (FT) FROM	TO	Description/Soil Characteristics/ Observations (COLOR, TEXTURE, RELATIVE MOISTURE, ODOR)	PID (ppm) DIRECT fbg	HEADSPACE fbg
1	3.3	0.0	5.0	ASPHALT first 0.25' 0.25 - 0.8' Gray brown cmf GRAVEL, some cm Sand, damp 0.8 - 2.7' Brown f SAND, trace Silt, damp 2.7 - 3.3' Dark brown cmf SAND, some mf Gravel, trace Silt, damp	0.7	11.5 9.5
2	3.3	5.0	10.0	5.0 -5.4' same as above 5.4 -5.8' Gray cm GRAVEL, some cm SAND, moist 5.8 - 6.5' Brown cmf SAND, little Silt, trace f Gravel, moist 6.5 - 7.5' Brown cmf SAND, little Silt, wet to saturated 7.5 - 8.3' Yellow-brown cmf SAND, some mf Gravel, little Silt, saturated to wet	0	36.6 64.4
3	3.2	10.0	15.0	10 -12.2' Medium brown fm SAND, some Silt, little fm Gravel, wet 12.2 - 13.2' Dark gray f SAND, some Silt, moist Cobble? At 14.5'	0	84.1 59.3
				NOTES: negative fluorescence test with short/long wave UV lamp.		

NOTES: Depths noted are approximate; soil characteristics based on visual and manual field observations only. PID screening performed by headspace analysis with MiniRAE 2000, equipped with 10.6 eV lamp.
ND = None Detected; PPM = Parts Per Million; NS Not Screened; FBG - feet below grade

BORING TERMINATED AT: 15 fbg BY: LBM

OP-TECH
Environmental Services, Inc.

SUBSURFACE INVESTIGATION LOG

OP-TECH Project No.: SD600476
Date: 9/24/09
Boring I.D. SB - 3

Client: NYSDEC
Project Location: Whitesboro Former Dry Cleaners
Whitesboro, New York
Probe Model: 6620 DT
OP-Tech Representatives: Lynette Mokry
Client Representative: Lincoln Fancher
Others Present: CME
Utility Clearance by: DSNY
Sampling Method: MacroCore®

LEGEND

Relative Composition:
and = 35 to 50%
some = 20 to 30%
little = 10 to 20%
trace = less than 10%

Relative Grain Size:
c = coarse
m = medium
f = fine

SAMPLE NUMBER	RECOVERY (FT)	DEPTH (FT) FROM	TO	Description/Soil Characteristics/ Observations (COLOR, TEXTURE, RELATIVE MOISTURE, ODOR)	PID (ppm) DIRECT fbg	HEADSPACE fbg
1	3.5	0.0	5.0	ASPHALT first 0.25' 0.25 - 0.5', Crushed stone, cmf GRAVEL, angular 0.5 - 0.8' Dark brown mf SAND, little Silt, damp 0.8 - 2.5' Tan/ light brown f SAND, trace mf Gravel, damp 2.5 - 3' Dark brown/ black cmf SAND, trace Silt, damp 3 - 3.5' Dark brown mf SAND, some Silt	0	18.2
2	3.4	5.0	10.0	5.0 -5.4' Dark brown fm SAND, little Silt 5.4 -5.7' Tan f SAND, damp 5.7 - 7.2' Orange-brown cmf SAND, little mf Gravel, little Silt, damp 7.2 - 7.6' Tan f SAND, some Silt, wet to saturated 7.6 - 8.4' Medium brown cmf SAND, some Silt, trace mf Gravel, wet	0	41.2 21.3
				NOTES: negative fluorescence test with short/long wave UV lamp.		

NOTES: Depths noted are approximate; soil characteristics based on visual and manual field observations only. PID screening performed by headspace analysis with MiniRAE 2000, equipped with 10.6 eV lamp.
ND = None Detected; PPM = Parts Per Million; NS Not Screened; FBG - feet below grade

BORING TERMINATED AT: 10 fbg BY: LBM

OP-TECH Environmental Services, Inc.

SUBSURFACE INVESTIGATION LOG

OP-TECH Project No.: SD600476
Date: 9/24/09
Boring I.D. SB - 4

Client: NYSDEC
Project Location: Whitesboro Former Dry Cleaners
Whitesboro, New York
Probe Model: 6620 DT
OP-Tech Representatives: Lynette Mokry
Client Representative: Lincoln Fancher
Others Present: CME
Utility Clearance by: DSNY
Sampling Method: MacroCore®

LEGEND

Relative Composition:
and = 35 to 50%
some = 20 to 30%
little = 10 to 20%
trace = less than 10%

Relative Grain Size:
c = coarse
m = medium
f = fine

SAMPLE NUMBER	RECOVERY (FT)	DEPTH (FT) FROM	TO	Description/Soil Characteristics/ Observations (COLOR, TEXTURE, RELATIVE MOISTURE, ODOR)	PID (ppm) DIRECT fbg	HEADSPACE fbg
1	3.2	0.0	5.0	ASPHALT first 0.3' 0.3 - 0.6' Gray cmf GRAVEL, some cm Sand, damp 0.6 - 3.2' Medium brown mf SAND, trace fm Gravel, little Silt, moist	0	5.9
2	3.9	5.0	10.0	5.0 - 8.9' Medium brown fm SAND, little to some Silt, little fm Gravel, moist to wet	0	11.1
				NOTES: negative fluorescence test with short/long wave UV lamp. Made 3 attempts to get past obstruction at approx. 2.5-3'.		

NOTES: Depths noted are approximate; soil characteristics based on visual and manual field observations only. PID screening performed by headspace analysis with MiniRAE 2000, equipped with 10.6 eV lamp.
ND = None Detected; PPM = Parts Per Million; NS Not Screened; FBG - feet below grade

BORING TERMINATED AT: 10 fbg BY: LBM

OP-TECH Environmental Services, Inc.

SUBSURFACE INVESTIGATION LOG

OP-TECH Project No.: SD600476
Date: 9/25/09
Boring I.D. SB - 5

Client: NYSDEC
Project Location: Whitesboro Former Dry Cleaners
Whitesboro, New York
Probe Model: 6620 DT
OP-Tech Representatives: Lynette Mokry
Client Representative: Lincoln Fancher
Others Present: CME
Utility Clearance by: DSNY
Sampling Method: MacroCore®

LEGEND

Relative Composition:
and = 35 to 50%
some = 20 to 30%
little = 10 to 20%
trace = less than 10%

Relative Grain Size:
c = coarse
m = medium
f = fine

SAMPLE NUMBER	RECOVERY (FT)	DEPTH (FT) FROM	TO	Description/Soil Characteristics/ Observations (COLOR, TEXTURE, RELATIVE MOISTURE, ODOR)	PID (ppm) DIRECT fbg	HEADSPACE fbg
1	2	0.0	5.0	ASPHALT first 0.3' 0.3 - 0.8' Tan/ light brown fm SAND, moist 0.8 - 1.2' Dark brown SILT, some f Sand, moist 1.2 - 2.0' Brown cmf SAND, some mf Gravel, moist	0.7	23.8 18.2
2	3	5.0	10.0	5.0 - 6.5' same as above 6.5 - 6.7' Dark brown cmf SAND, wet 6.7 - 8.0' Gray brown cmf SAND, little cmf Gravel, trace to little Silt, moist	0	5.9
				NOTES: negative fluorescence test with short/long wave UV lamp. Located near natural gas line for building.		

NOTES: Depths noted are approximate; soil characteristics based on visual and manual field observations only. PID screening performed by headspace analysis with MiniRAE 2000, equipped with 10.6 eV lamp.
ND = None Detected; PPM = Parts Per Million; NS Not Screened; FBG - feet below grade

BORING TERMINATED AT: 10 fbg BY: LBM

OP-TECH Environmental Services, Inc.

SUBSURFACE INVESTIGATION LOG

OP-TECH Project No.: SD600476
Date: 9/25/09
Boring I.D. SB - 6

Client: NYSDEC
Project Location: Whitesboro Former Dry Cleaners
Whitesboro, New York
Probe Model: 6620 DT
OP-Tech Representatives: Lynette Mokry
Client Representative: Lincoln Fancher
Others Present: CME
Utility Clearance by: DSNY
Sampling Method: MacroCore®

LEGEND

Relative Composition:
and = 35 to 50%
some = 20 to 30%
little = 10 to 20%
trace = less than 10%

Relative Grain Size:
c = coarse
m = medium
f = fine

SAMPLE NUMBER	RECOVERY (FT)	DEPTH (FT) FROM	TO	Description/Soil Characteristics/ Observations (COLOR, TEXTURE, RELATIVE MOISTURE, ODOR)	PID (ppm) DIRECT fbg	HEADSPACE fbg
1	3.3	0.0	5.0	ASPHALT first 0.3' 0.3 - 0.9' Gray brown cmf SAND and to little cmf GRAVEL, trace Silt, damp 0.9 - 2.3' Light brown mf SAND, damp to moist 2.3 - 2.9' Dark brown/ black cmf SAND, little Silt, moist 2.9 - 3.1' Dark brown to red brown Clayey SILT, little f SAND, moist 3.1 - 3.3' Dark brown SILT, some f Sand, moist	0	3.9 10.1
2	3	5.0	10.0	5.0 - 5.4' same as above 5.4 - 5.9' Medium brown mf SAND, trace Silt, damp 5.9 - 7.1' Medium brown cmf SAND, some cmf Gravel, trace Silt, moist 7.1 - 7.3' Dark brown cmf SAND, some Silt, wet 7.3 - 7.9' Gray brown fm SAND, little Silt	0	11.5
				NOTES: negative fluorescence test with short/long wave UV lamp.		

NOTES: Depths noted are approximate; soil characteristics based on visual and manual field observations only. PID screening performed by headspace analysis with MiniRAE 2000, equipped with 10.6 eV lamp.
ND = None Detected; PPM = Parts Per Million; NS Not Screened; FBG - feet below grade

BORING TERMINATED AT: 10 fbg BY: LBM

OP-TECH Environmental Services, Inc.

SUBSURFACE INVESTIGATION LOG

OP-TECH Project No.: SD600476
Date: 9/25/09
Boring I.D. SB -7

Client: NYSDEC
Project Location: Whitesboro Former Dry Cleaners
Whitesboro, New York
Probe Model: 6620 DT
OP-Tech Representatives: Lynette Mokry
Client Representative: Lincoln Fancher
Others Present: CME
Utility Clearance by: DSNY
Sampling Method: MacroCore®

LEGEND

Relative Composition:
and = 35 to 50%
some = 20 to 30%
little = 10 to 20%
trace = less than 10%

Relative Grain Size:
c = coarse
m = medium
f = fine

SAMPLE NUMBER	RECOVERY (FT)	DEPTH (FT) FROM	TO	Description/Soil Characteristics/ Observations (COLOR, TEXTURE, RELATIVE MOISTURE, ODOR)	PID (ppm) DIRECT fbg	HEADSPACE fbg
1	2.8	0.0	5.0	ASPHALT first 0.3' 0.3 - 0.5' Gray brown cmf GRAVEL, moist 0.5 - 0.6' Brown cmf SAND, trace f Gravel, moist 0.6 - 1.6' Tan/ light brown mf SAND, trace Silt 1.6 - 2.8' Dark brown fm SAND, some to trace Silt, moist	0	3.8 74
2	2.2	5.0	10.0	5.0 -5.8' Medium brown fm SAND, some Silt, moist 5.8 - 6.0' Brown mf SAND, trace Silt, moist 6.0 - 7.2' Dark brown cmf SAND, some mf Gravel, wet	0	9.6
				NOTES: negative fluorescence test with short/long wave UV lamp. Sampled groundwater with SP-15 sampler from 8-12'		

NOTES: Depths noted are approximate; soil characteristics based on visual and manual field observations only. PID screening performed by headspace analysis with MiniRAE 2000, equipped with 10.6 eV lamp.
ND = None Detected; PPM = Parts Per Million; NS Not Screened; FBG - feet below grade

BORING TERMINATED AT: 10 fbg BY: LBM

SUBSURFACE INVESTIGATION LOG

OP-TECH Project No.: SD600476
Date: 9/25/09
Boring I.D. SB - 8

Client:	NYSDEC
Project Location:	Whitesboro Former Dry Cleaners
	Whitesboro, New York
Probe Model:	6620 DT
OP-Tech Representatives:	Lynette Mokry
Client Representative:	Lincoln Fancher
Driller:	CME
Utility Clearance by:	DSNY
Sampling Method:	MacroCore®

LEGEND

Relative Composition:	*Relative Grain Size:*
and = 35 to 50%	**c** = coarse
some = 20 to 30%	**m** = medium
little = 10 to 20%	**f** = fine
trace = less than 10%	

SAMPLE NUMBER	RECOVERY (FT)	DEPTH (FT) FROM	TO	Description/Soil Characteristics/ Observations (COLOR, TEXTURE, RELATIVE MOISTURE, ODOR)	PID (ppm) DIRECT fbg	HEADSPACE fbg
1	3.4	0.0	5.0	ASPHALT first 0.3' 0.3 - 0.6' Gray brown cmf GRAVEL, some cm Sand, damp 0.6 - 3.0' Dark brown cmf SAND, trace f Gravel, trace Silt, damp 3.0 -5.0' same as above, except apparent black staining (petroleum from parking?)	35 0	5 5.4
2	3.7	5.0	10.0	5.0 - 7.0 Dark brown cmf SAND, little Silt, little cmf Gravel, moist to wet 7.0 - 8.7' Medium brown f SAND, Silt, wet	0	7.7
				NOTES: negative fluorescence test with short/long wave UV lamp. Sampled groundwater with SP-15 sampler from 8-12'		

ND = None Detected; PPM = Parts Per Million; NS Not Screened; FBG - feet below grade

BORING TERMINATED AT: 10 fbg BY: LBM


AVOID PEGS








189
6610DT


189
6610DT





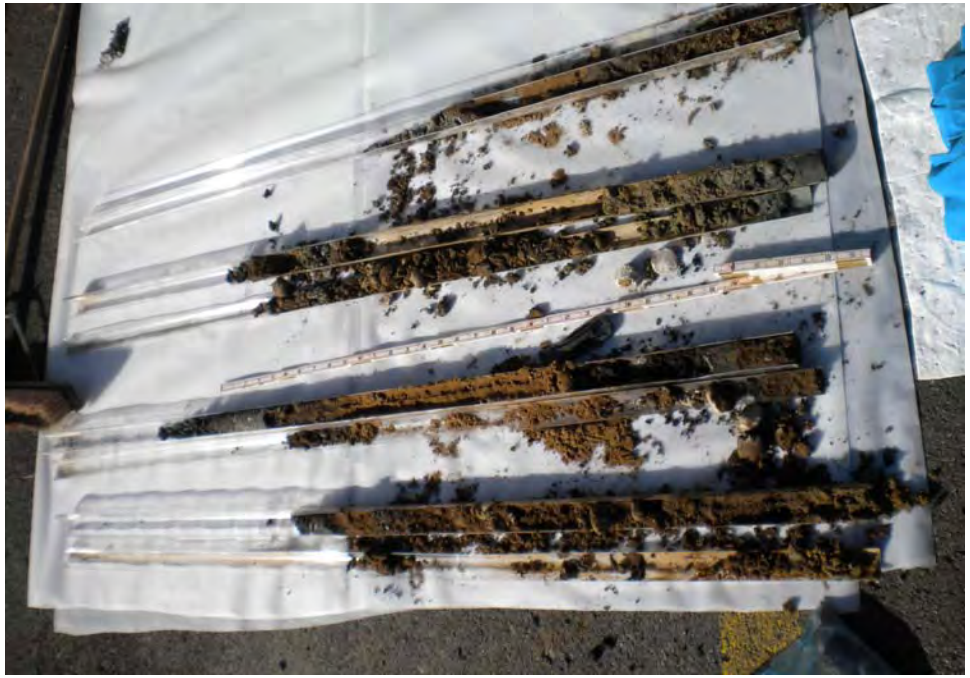














SGD ENVIRONMENTAL SERVICES
Certified Woman-Owned Business Enterprise
2063 STANLEY ROAD
CAZENOVIA, NEW YORK 13035
Tel/Fax: (315) 655-2733

November 23, 2009

Ms. Lynette Mokry, PG
Senior Geologist/Project Manager
Op-Tech Environmental Services
6392 Deere Road
Syracuse, New York 13206

Re: DUSR - Whitesboro Dry Cleaners
Site/Spill #633054
Upstate Labs W/O U0909490
File: 2134.001

Dear Ms. Mokry:

SGD Environmental Services (SGD Environmental) has completed the review of data generated by Upstate Laboratories (Upstate) and identified as Upstate work order U0909490 for the purpose of preparing a Data User Summary Report (DUSR). The data reviewed consists of groundwater and solid samples collected at the Whitesboro Dry Cleaners Site by Op-Tech Environmental Services (Op-Tech) on September 25, 2009. The samples were analyzed by Upstate for volatile organic compounds (VOCs) USEPA Method 8260B.

This DUSR was prepared utilizing the New York State Department of Environmental Conservation "Guidance for the Development of Data Usability Summary Reports" (Appendix 2B) which references the United States Environmental Protection Agency (USEPA) Region 2 Data Validation Standard Operating Procedures, with consideration given for method requirements. The data was reviewed for completeness, chain of custody, holding times, preservation, matrix spike blanks, matrix spikes/matrix spike duplicates, field duplicates, surrogate recoveries, preparation/calibration blanks, initial and continuing calibrations, instrument tunes, and detection limits. The summary of this review is presented in the following sections and outlines data which are considered non-compliant with method requirements. Where necessary, the sample results are hand-flagged by SGD Environmental on the accompanying Form 1 sample result reports with data qualifiers to reflect data deficiencies. A summary list of qualifiers used to flag the data and their definitions accompanying the Form 1 reports. Tentatively identified compounds (TICS) for Method 8260 were not evaluated as part of the data validation effort.

General review findings

- The laboratory did not perform a LCS analysis, but did analyze matrix spike blanks using five matrix spike compounds. All spike blank recoveries met criteria.

- The subtracted ion chromatograms were not legible; however, review of the ion ratio intensity was not impacted.

General review findings (cont'd)

- Sample results for water sample SB-7 8-12 and field duplicate DUP-1 correlate. The results for solid sample SB-8 2.5-3.2 and field duplicate DUP-2 do not correlate and exhibit gross variation. The laboratory was contacted regarding DUP-2, and the supervisor of the VOC group, Ms. Laurel Flynn, stated that she compared the soil samples and that the parent sample and the duplicate appeared different, both in smell and visually. Ms. Flynn noted that the duplicate looked "more contaminated" and had a stronger petroleum smell. Ms. Flynn also noted that she did not think that the higher target compound results in DUP-2 were due to instrument carryover from a previously analyzed sample.

Volatile organic compounds by USEPA Method 8260B

- The original analysis for the samples was performed within 14 days from collection to analysis. Seven samples, however, required dilution or reanalysis, and were analyzed after the method holding time had expired. The compounds for samples which exceeded the holding time were qualified with a "J' for detected target compounds (detects) and "R" for undetected target compounds (non-detects.) Water sample SB-9 8-12 had a pH of 5 as measured by the laboratory and was analyzed twelve days after collection. Non-preserved aqueous samples have a holding time of seven days for analysis. The results for this sample were qualified with a "J' detects and "R" for non-detects.
- Four samples had one surrogate recovery that exceeded the upper control limit and detects were qualified with a "J."
- Three method blanks had methylene chloride detected above two times the contract required quantitation limit (CRQL.) One method blank also had acetone detected above two times the CRQL. The associated samples with these contaminants detected were qualified "U."
- Two initial calibrations were performed for the associated samples, one on October 6, 2009 and another on October 7, 2009. The relative response factor (RRF) for the initial calibration performed on October 6, 2009 did not meet the 0.05 minimum for 1,4-dioxane. The RRF for the initial calibration performed on October 7, 2009 did not meet the 0.05 minimum for acetone, 2-butanone and 1,4-dioxane. Samples with non-detected results for these compounds were qualified "R" and those with detected results were qualified "J." The relative standard deviation for 1,4-dioxane exceeded the 20% criteria for the October 7, 2009 initial calibration. The associated sample results were already qualified as noted above.
- Several compounds in multiple continuing calibration verifications (CCVs) exceeded the 20% difference criteria. The associated sample results for these compounds were qualified "J." Acetone, 2-butanone and 1,4-dioxane did not meet the 0.05 RRF minimum for several CCVs, however, the associated sample results were already qualified as noted above.
- Several samples had internal standard area counts which did not meet the 50% criteria. Upstate reanalyzed the samples with similar results. The effected samples were qualified "J" for the associated detects and non-detects. In cases where the internal standard areas were less than 25%, the associated non-detects were qualified "R."
- The relative intensities of the characteristic ions did not agree well between spectra of the sample and the reference spectra for trichloroethene in sample SB-3 1.5-2 and SB-3 1.5-2DL and for methylene chloride in several samples. The retention times for cis-1,2-dichloroethene and trichloroethene are greater than 0.06 relative retention time units in sample SB-6 2-3DL. It is the judgment of the validator, however, that these compounds were properly identified in these samples.

Should you have any questions regarding the information as presented above and/or accompanying documentation, please do not hesitate to contact me.

Respectfully submitted,

SGD ENVIRONMENTAL SERVICES

Mark C. Yates
Sr. Project Associate

enc.

3.4 **Data Validation Flags**

Three types of data validation flags (J, R & U) are used in Region 2 to qualify the data.

3.4.1 **Flag "R" indicates Rejected Data**

Sample results determined to be unacceptable must preferably be lined over and flagged " R" with a red pencil only on the Inorganic Analysis Data Sheets (CLP Form I's). Data rejected on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user **must not** use the rejected data to make environmental decisions.

3.4.2 **Flag "J" indicates Estimated Data**

Sample results determined to be estimated must be flagged "J" with a red pencil only on the CLP Form I's. Data are flagged (J) when a QC analysis falls outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result even though several associated QC analyses may fail. The "J" data may be biased high or low.

3.4.3 **Flg "U" indicates Non-Detects**

Sample results $\geq$ MDL associated with a contaminated blank are flagged "U" with a red pencil only on Form I's.

4.0 **Contractual Qualifiers**

The CLP laboratory applies contractual qualifiers on all Form I'S and the QC Forms when QC analyses are outside the control limits. These qualifiers are not applied on the Lotus or XLS spreadsheets with the exception of U and J. The contractual qualifiers and their meanings are as follows:

N : This qualifier indicates the lack of accuracy in the reported result, and is applied when matrix spiked sample recovery is outside the control limits.

E : This qualifier indicates the presence of interference, and is applied when the ICP serial dilution analysis is outside the control limits.

* : This qualifier indicates the lack of precision, and is applied to sample results on Form I's and Form VI when the Lab Duplicate analysis is outside the control limits.

U : This is a concentration qualifier that laboratory applies to a non-detected result which is essentially less than the Method Detection Limit(MDL). A non-detected result of an analysis is indicated by the Contract Required Quantitation Limit (CRQL) of that analyze suffixed with "U".

J : This is a concentration qualifier that the laboratory applies to a positive result below the CRQL(i.e.,$\geq$MDL but <CRQL).

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-1 8-12

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-001A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30469.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
75-1-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
75-34-33	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	100	U
156-59-2	cis-1,2-Dichloroethene	250	D
67-66-3	Chloroform	26	JD
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	25	JD
107-06-2	1,2-Dichloroethane	50	U
97-01-6	Trichloroethene	78	D
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
108-10-1	4-Methyl-2-pentanone	100	U
10061-1-5	cis-1,3-Dichloropropene	50	U
	1,2,4-Trimethylbenzene	50	U
108-88-3	Toluene	50	U
	1,2-Dichlorobenzene	50	U
10061-2-6	trans-1,3-Dichloropropene	50	U
	1,3,5-Trimethylbenzene	50	U
	1,3-Dichlorobenzene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
	1,4-Dichlorobenzene	50	U
	1,4-Dioxane	1000	U R
	MTBE	50	U
591-78-6	2-Hexanone	100	U
	n-Butylbenzene	50	U
	n-Propylbenzene	50	U
127-18-4	Tetrachloroethene	25000	ED
	sec-Butylbenzene	50	U
124-48-1	Dibromochloromethane	50	U
	1,2-Dibromoethane	50	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-1 8-12

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-001A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30469.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

	1,2,4-Trichlorobenzene	50	U
108-90-7	Chlorobenzene	50	U
	1,2-Dibromo-3-chloropropane	50	U
100-41-4	Ethylbenzene	50	U
	Cyclohexane	50	U
108-38-3	m,p-Xylene	50	U
	Trichlorofluoromethane	50	U
95-47-6	o-Xylene	50	U
	Dichlorodifluoromethane	50	U
100-42-5	Styrene	50	U
	Freon-113	50	U J
75-25-2	Bromoform	50	U
	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
	Methylcyclohexane	50	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-1 8-12DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-001ADL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30510.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/8/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2500	U R
75-1-4	Vinyl Chloride	2500	U
74-83-9	Bromomethane	2500	U
75-00-3	Chloroethane	2500	U
67-64-1	Acetone	5000	U
75-35-4	1,1-Dichloroethene	2500	U
75-15-0	Carbon Disulfide	2500	U
75-09-2	Methylene Chloride	2500	U
156-60-5	trans-1,2-Dichloroethene	2500	U
75-34-33	1,1-Dichloroethane	2500	U
78-93-3	2-Butanone	5000	U
156-59-2	cis-1,2-Dichloroethene	2500	U
67-66-3	Chloroform	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
56-23-5	Carbon Tetrachloride	2500	U
71-43-2	Benzene	2500	U
107-06-2	1,2-Dichloroethane	2500	U
97-01-6	Trichloroethene	2500	U
78-87-5	1,2-Dichloropropane	2500	U
75-27-4	Bromodichloromethane	2500	U
108-10-1	4-Methyl-2-pentanone	5000	U
10061-1-5	cis-1,3-Dichloropropene	2500	U
	1,2,4-Trimethylbenzene	2500	U
108-88-3	Toluene	2500	U
	1,2-Dichlorobenzene	2500	U
10061-2-6	trans-1,3-Dichloropropene	2500	U
	1,3,5-Trimethylbenzene	2500	U
	1,3-Dichlorobenzene	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
	1,4-Dichlorobenzene	2500	U
	1,4-Dioxane	50000	U
	MTBE	2500	U
591-78-6	2-Hexanone	5000	U
	n-Butylbenzene	2500	U
	n-Propylbenzene	2500	U
127-18-4	Tetrachloroethene	55000	D J
	sec-Butylbenzene	2500	U R
124-48-1	Dibromochloromethane	2500	U
	1,2-Dibromoethane	2500	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-1 8-12DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-001ADL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30510.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/8/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	1,2,4-Trichlorobenzene	2500	U
108-90-7	Chlorobenzene	2500	U
	1,2-Dibromo-3-chloropropane	2500	U
100-41-4	Ethylbenzene	2500	U
	Cyclohexane	2500	U
108-38-3	m,p-Xylene	2500	U
	Trichlorofluoromethane	2500	U
95-47-6	o-Xylene	2500	U
	Dichlorodifluoromethane	2500	U
100-42-5	Styrene	2500	U
	Freon-113	2500	U
75-25-2	Bromoform	2500	U
	Isopropylbenzene	2500	U
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
	Methylcyclohexane	2500	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-7 8-12

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-002A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30474.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-1-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-33	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	2	J
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
97-01-6	Trichloroethene	3	J
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-pentanone	10	U
10061-1-5	cis-1,3-Dichloropropene	5	U
	1,2,4-Trimethylbenzene	5	U
108-88-3	Toluene	5	U
	1,2-Dichlorobenzene	5	U
10061-2-6	trans-1,3-Dichloropropene	5	U
	1,3,5-Trimethylbenzene	5	U
	1,3-Dichlorobenzene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
	1,4-Dichlorobenzene	5	U
	1,4-Dioxane	100	U R
	MTBE	5	U
591-78-6	2-Hexanone	10	U
	n-Butylbenzene	5	U
	n-Propylbenzene	5	U
127-18-4	Tetrachloroethene	55	
	sec-Butylbenzene	5	U
124-48-1	Dibromochloromethane	5	U
	1,2-Dibromoethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-7 8-12

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-002A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30474.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	1,2,4-Trichlorobenzene	5	U
108-90-7	Chlorobenzene	5	U
	1,2-Dibromo-3-chloropropane	5	U
100-41-4	Ethylbenzene	5	U
	Cyclohexane	5	U
108-38-3	m,p-Xylene	5	U
	Trichlorofluoromethane	5	U
95-47-6	o-Xylene	5	U
	Dichlorodifluoromethane	5	U
100-42-5	Styrene	5	U
	Freon-113	5	U
75-25-2	Bromoform	5	U
	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
	Methylcyclohexane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-8 8-12

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-003A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30467.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5	U R
75-1-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U ↓
156-60-5	trans-1,2-Dichloroethene	10	J
75-34-33	1,1-Dichloroethane	5	U R
78-93-3	2-Butanone	10	U ↓
156-59-2	cis-1,2-Dichloroethene	21	J
67-66-3	Chloroform	26	
71-55-6	1,1,1-Trichloroethane	5	U R
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U ↓
97-01-6	Trichloroethene	29	J
78-87-5	1,2-Dichloropropane	5	U R
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-pentanone	10	U
10061-1-5	cis-1,3-Dichloropropene	5	U
	1,2,4-Trimethylbenzene	5	U
108-88-3	Toluene	5	U
	1,2-Dichlorobenzene	5	U
10061-2-6	trans-1,3-Dichloropropene	5	U
	1,3,5-Trimethylbenzene	5	U
	1,3-Dichlorobenzene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
	1,4-Dichlorobenzene	5	U
	1,4-Dioxane	100	U
	MTBE	5	U
591-78-6	2-Hexanone	10	U
	n-Butylbenzene	5	U
	n-Propylbenzene	5	U ↓
127-18-4	Tetrachloroethene	230	E J
	sec-Butylbenzene	5	U R
124-48-1	Dibromochloromethane	5	U
	1,2-Dibromoethane	5	U ↓

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-8 8-12

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-003A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30467.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	1,2,4-Trichlorobenzene	5	U R
108-90-7	Chlorobenzene	5	U
	1,2-Dibromo-3-chloropropane	5	U
100-41-4	Ethylbenzene	5	U
	Cyclohexane	5	U
108-38-3	m,p-Xylene	5	U
	Trichlorofluoromethane	5	U
95-47-6	o-Xylene	5	U
	Dichlorodifluoromethane	5	U
100-42-5	Styrene	5	U
	Freon-113	5	U
75-25-2	Bromoform	5	U
	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
	Methylcyclohexane	5	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-8 8-12DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-003ADL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30481.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	25	U
75-1-4	Vinyl Chloride	25	U
74-83-9	Bromomethane	25	U
75-00-3	Chloroethane	25	U
67-64-1	Acetone	50	U
75-35-4	1,1-Dichloroethene	25	U
75-15-0	Carbon Disulfide	25	U
75-09-2	Methylene Chloride	25	U
156-60-5	trans-1,2-Dichloroethene	14	JD
75-34-33	1,1-Dichloroethane	25	U
78-93-3	2-Butanone	50	U
156-59-2	cis-1,2-Dichloroethene	27	D
67-66-3	Chloroform	18	JD
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon Tetrachloride	25	U
71-43-2	Benzene	25	U
107-06-2	1,2-Dichloroethane	25	U
97-01-6	Trichloroethene	31	D
78-87-5	1,2-Dichloropropane	25	U
75-27-4	Bromodichloromethane	25	U
108-10-1	4-Methyl-2-pentanone	50	U
10061-1-5	cis-1,3-Dichloropropene	25	U
	1,2,4-Trimethylbenzene	25	U
108-88-3	Toluene	25	U
	1,2-Dichlorobenzene	25	U
10061-2-6	trans-1,3-Dichloropropene	25	U
	1,3,5-Trimethylbenzene	25	U
	1,3-Dichlorobenzene	25	U
79-00-5	1,1,2-Trichloroethane	25	U
	1,4-Dichlorobenzene	25	U
	1,4-Dioxane	500	U R
	MTBE	25	U
591-78-6	2-Hexanone	50	U
	n-Butylbenzene	25	U
	n-Propylbenzene	25	U
127-18-4	Tetrachloroethene	200	D
	sec-Butylbenzene	25	U
124-48-1	Dibromochloromethane	25	U
	1,2-Dibromoethane	25	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-8 8-12DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-003ADL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30481.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
	1,2,4-Trichlorobenzene	25	U
108-90-7	Chlorobenzene	25	U
	1,2-Dibromo-3-chloropropane	25	U
100-41-4	Ethylbenzene	25	U
	Cyclohexane	25	U
108-38-3	m,p-Xylene	25	U
	Trichlorofluoromethane	25	U
95-47-6	o-Xylene	25	U
	Dichlorodifluoromethane	25	U
100-42-5	Styrene	25	U
	Freon-113	25	U
75-25-2	Bromoform	25	U
	Isopropylbenzene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
	Methylcyclohexane	25	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-004A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30468.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5	U
75-1-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-33	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	2	J
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
97-01-6	Trichloroethene	3	J
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-pentanone	10	U
10061-1-5	cis-1,3-Dichloropropene	5	U
	1,2,4-Trimethylbenzene	5	U
108-88-3	Toluene	5	U
	1,2-Dichlorobenzene	5	U
10061-2-6	trans-1,3-Dichloropropene	5	U
	1,3,5-Trimethylbenzene	5	U
	1,3-Dichlorobenzene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
	1,4-Dichlorobenzene	5	U
	1,4-Dioxane	100	U R
	MTBE	5	U
591-78-6	2-Hexanone	10	U
	n-Butylbenzene	5	U
	n-Propylbenzene	5	U
127-18-4	Tetrachloroethene	59	
	sec-Butylbenzene	5	U
124-48-1	Dibromochloromethane	5	U
	1,2-Dibromoethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-004A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30468.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	1,2,4-Trichlorobenzene	5	U
108-90-7	Chlorobenzene	5	U
	1,2-Dibromo-3-chloropropane	5	U
100-41-4	Ethylbenzene	5	U
	Cyclohexane	5	U
108-38-3	m,p-Xylene	5	U
	Trichlorofluoromethane	5	U
95-47-6	o-Xylene	5	U
	Dichlorodifluoromethane	5	U
100-42-5	Styrene	5	U
	Freon-113	5	U J
75-25-2	Bromoform	5	U
	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
	Methylcyclohexane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRP BLK

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-005A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30477.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-1-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-33	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
97-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-pentanone	10	U
10061-1-5	cis-1,3-Dichloropropene	5	U
	1,2,4-Trimethylbenzene	5	U
108-88-3	Toluene	5	U
	1,2-Dichlorobenzene	5	U
10061-2-6	trans-1,3-Dichloropropene	5	U
	1,3,5-Trimethylbenzene	5	U
	1,3-Dichlorobenzene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
	1,4-Dichlorobenzene	5	U
	1,4-Dioxane	100	U R
	MTBE	5	U
591-78-6	2-Hexanone	10	U
	n-Butylbenzene	5	U
	n-Propylbenzene	5	U
127-18-4	Tetrachloroethene	5	U
	sec-Butylbenzene	5	U
124-48-1	Dibromochloromethane	5	U
	1,2-Dibromoethane	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRP BLK

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) WATER Lab Sample ID: U0909490-005A

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C30477.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. _____ Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
	1,2,4-Trichlorobenzene	5	U
108-90-7	Chlorobenzene	5	U
	1,2-Dibromo-3-chloropropane	5	U
100-41-4	Ethylbenzene	5	U
	Cyclohexane	5	U
108-38-3	m,p-Xylene	5	U
	Trichlorofluoromethane	5	U
95-47-6	o-Xylene	5	U
	Dichlorodifluoromethane	5	U
100-42-5	Styrene	5	U
	Freon-113	5	U
75-25-2	Bromoform	5	U
	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
	Methylcyclohexane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1 1.5-2

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-006A

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30479.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 16.7 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 100000 (uL) Soil Aliquot Volume: 10 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	60000	U
75-1-4	Vinyl Chloride	60000	U
74-83-9	Bromomethane	60000	U
75-00-3	Chloroethane	60000	U
67-64-1	Acetone	120000	U
75-35-4	1,1-Dichloroethene	60000	U
75-15-0	Carbon Disulfide	60000	U
75-09-2	Methylene Chloride	60000	U
156-60-5	trans-1,2-Dichloroethene	60000	U
75-34-33	1,1-Dichloroethane	60000	U
78-93-3	2-Butanone	120000	U
156-59-2	cis-1,2-Dichloroethene	60000	U
67-66-3	Chloroform	60000	U
71-55-6	1,1,1-Trichloroethane	60000	U
56-23-5	Carbon Tetrachloride	60000	U
71-43-2	Benzene	60000	U
107-06-2	1,2-Dichloroethane	60000	U
97-01-6	Trichloroethene	74000	
78-87-5	1,2-Dichloropropane	60000	U
75-27-4	Bromodichloromethane	60000	U
108-10-1	4-Methyl-2-pentanone	120000	U
10061-1-5	cis-1,3-Dichloropropene	60000	U
	1,2,4-Trimethylbenzene	60000	U
108-88-3	Toluene	60000	U
	1,2-Dichlorobenzene	60000	U
10061-2-6	trans-1,3-Dichloropropene	60000	U
	1,3,5-Trimethylbenzene	60000	U
	1,3-Dichlorobenzene	60000	U
79-00-5	1,1,2-Trichloroethane	60000	U
	1,4-Dichlorobenzene	60000	U
	1,4-Dioxane	1200000	U R
	MTBE	60000	U
591-78-6	2-Hexanone	120000	U
	n-Butylbenzene	60000	U
	n-Propylbenzene	60000	U
127-18-4	Tetrachloroethene	10952410	E
	sec-Butylbenzene	60000	U
124-48-1	Dibromochloromethane	60000	U
	1,2-Dibromoethane	60000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1 1.5-2

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-006A

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30479.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 16.7 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 100000 (uL) Soil Aliquot Volume: 10 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
	1,2,4-Trichlorobenzene	60000 U
108-90-7	Chlorobenzene	60000 U
	1,2-Dibromo-3-chloropropane	60000 U
100-41-4	Ethylbenzene	60000 U
	Cyclohexane	60000 U
108-38-3	m,p-Xylene	60000 U
	Trichlorofluoromethane	60000 U
95-47-6	o-Xylene	60000 U
	Dichlorodifluoromethane	60000 U
100-42-5	Styrene	60000 U
	Freon-113	60000 U
75-25-2	Bromoform	60000 U
	Isopropylbenzene	60000 U
79-34-5	1,1,2,2-Tetrachloroethane	60000 U
	Methylcyclohexane	60000 U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-1 1.5-2DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: SAS No.: SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-006ADL

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30511.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 16.7 Date Analyzed: 10/8/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 100000 (uL) Soil Aliquot Volume: 5 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	600000	U R
75-1-4	Vinyl Chloride	600000	U
74-83-9	Bromomethane	600000	U
75-00-3	Chloroethane	600000	U
67-64-1	Acetone	1200000	U
75-35-4	1,1-Dichloroethene	600000	U
75-15-0	Carbon Disulfide	600000	U
75-09-2	Methylene Chloride	600000	U
156-60-5	trans-1,2-Dichloroethene	600000	U
75-34-33	1,1-Dichloroethane	600000	U
78-93-3	2-Butanone	1200000	U
156-59-2	cis-1,2-Dichloroethene	600000	U
67-66-3	Chloroform	600000	U
71-55-6	1,1,1-Trichloroethane	600000	U
56-23-5	Carbon Tetrachloride	600000	U
71-43-2	Benzene	600000	U
107-06-2	1,2-Dichloroethane	600000	U
97-01-6	Trichloroethene	600000	U
78-87-5	1,2-Dichloropropane	600000	U
75-27-4	Bromodichloromethane	600000	U
108-10-1	4-Methyl-2-pentanone	1200000	U
10061-1-5	cis-1,3-Dichloropropene	600000	U
	1,2,4-Trimethylbenzene	600000	U
108-88-3	Toluene	600000	U
	1,2-Dichlorobenzene	600000	U
10061-2-6	trans-1,3-Dichloropropene	600000	U
	1,3,5-Trimethylbenzene	600000	U
	1,3-Dichlorobenzene	600000	U
79-00-5	1,1,2-Trichloroethane	600000	U
	1,4-Dichlorobenzene	600000	U
	1,4-Dioxane	12048193	U
	MTBE	600000	U
591-78-6	2-Hexanone	1200000	U
	n-Butylbenzene	600000	U
	n-Propylbenzene	600000	U
127-18-4	Tetrachloroethene	9500000	D J
	sec-Butylbenzene	600000	U R
124-48-1	Dibromochloromethane	600000	U
	1,2-Dibromoethane	600000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1 1.5-2DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: SAS No.: SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-006ADL

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30511.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 16.7 Date Analyzed: 10/8/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 100000 (uL) Soil Aliquot Volume: 5 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
	1,2,4-Trichlorobenzene	600000	U
108-90-7	Chlorobenzene	600000	U
	1,2-Dibromo-3-chloropropane	600000	U
100-41-4	Ethylbenzene	600000	U
	Cyclohexane	600000	U
108-38-3	m,p-Xylene	600000	U
	Trichlorofluoromethane	600000	U
95-47-6	o-Xylene	600000	U
	Dichlorodifluoromethane	600000	U
100-42-5	Styrene	600000	U
	Freon-113	600000	U
75-25-2	Bromoform	600000	U
	Isopropylbenzene	600000	U
79-34-5	1,1,2,2-Tetrachloroethane	600000	U
	Methylcyclohexane	600000	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2 2-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-007A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30494.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 14.6 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	12	U R
75-1-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
67-64-1	Acetone	24	U
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon Disulfide	12	U
75-09-2	Methylene Chloride	18	B U J
156-60-5	trans-1,2-Dichloroethene	12	U R
75-34-33	1,1-Dichloroethane	12	U
78-93-3	2-Butanone	24	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
97-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-pentanone	24	U
10061-1-5	cis-1,3-Dichloropropene	12	U
	1,2,4-Trimethylbenzene	12	U
108-88-3	Toluene	12	U
	1,2-Dichlorobenzene	12	U
10061-2-6	trans-1,3-Dichloropropene	12	U
	1,3,5-Trimethylbenzene	12	U
	1,3-Dichlorobenzene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
	1,4-Dichlorobenzene	12	U
	1,4-Dioxane	240	U
	MTBE	12	U
591-78-6	2-Hexanone	24	U
	n-Butylbenzene	12	U
	n-Propylbenzene	12	U
127-18-4	Tetrachloroethene	130	J
	sec-Butylbenzene	12	U R
124-48-1	Dibromochloromethane	12	U
	1,2-Dibromoethane	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2 2-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-007A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30494.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 14.6 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	12	U R
108-90-7	Chlorobenzene	12	U
	1,2-Dibromo-3-chloropropane	12	U
100-41-4	Ethylbenzene	12	U
	Cyclohexane	12	U
108-38-3	m,p-Xylene	12	U
	Trichlorofluoromethane	12	U
95-47-6	o-Xylene	12	U
	Dichlorodifluoromethane	12	U
100-42-5	Styrene	12	U
	Freon-113	12	U
75-25-2	Bromoform	12	U
	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
	Methylcyclohexane	12	U ✓

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-2 2-3DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-007ADL

Sample wt/vol: 1.0 (g/ml) G Lab File ID: C30551.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 14.6 Date Analyzed: 10/9/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	29	U R
75-1-4	Vinyl Chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
67-64-1	Acetone	59	U
75-35-4	1,1-Dichloroethene	29	U
75-15-0	Carbon Disulfide	29	U
75-09-2	Methylene Chloride	29	U
156-60-5	trans-1,2-Dichloroethene	29	U
75-34-33	1,1-Dichloroethane	29	U
78-93-3	2-Butanone	59	U
156-59-2	cis-1,2-Dichloroethene	29	U
67-66-3	Chloroform	29	U
71-55-6	1,1,1-Trichloroethane	29	U
56-23-5	Carbon Tetrachloride	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	U
97-01-6	Trichloroethene	29	U
78-87-5	1,2-Dichloropropane	29	U
75-27-4	Bromodichloromethane	29	U
108-10-1	4-Methyl-2-pentanone	59	U
10061-1-5	cis-1,3-Dichloropropene	29	U
	1,2,4-Trimethylbenzene	29	U
108-88-3	Toluene	29	U
	1,2-Dichlorobenzene	29	U
10061-2-6	trans-1,3-Dichloropropene	29	U
	1,3,5-Trimethylbenzene	29	U
	1,3-Dichlorobenzene	29	U
79-00-5	1,1,2-Trichloroethane	29	U
	1,4-Dichlorobenzene	29	U
	1,4-Dioxane	590	U
	MTBE	29	U
591-78-6	2-Hexanone	59	U
	n-Butylbenzene	29	U
	n-Propylbenzene	29	U
127-18-4	Tetrachloroethene	120	J
	sec-Butylbenzene	29	U R
124-48-1	Dibromochloromethane	29	U
	1,2-Dibromoethane	29	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-2 2-3DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-007ADL

Sample wt/vol: 1.0 (g/ml) G Lab File ID: C30551.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 14.6 Date Analyzed: 10/9/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	29	U
108-90-7	Chlorobenzene	29	U
	1,2-Dibromo-3-chloropropane	29	U
100-41-4	Ethylbenzene	29	U
	Cyclohexane	29	U
108-38-3	m,p-Xylene	29	U
	Trichlorofluoromethane	29	U
95-47-6	o-Xylene	29	U
	Dichlorodifluoromethane	29	U
100-42-5	Styrene	29	U
	Freon-113	29	U
75-25-2	Bromoform	29	U
	Isopropylbenzene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
	Methylcyclohexane	29	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-3 1.5-2

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-008A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30495.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 13.8 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
75-1-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
67-64-1	Acetone	23	U R
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon Disulfide	12	U
75-09-2	Methylene Chloride	26	B U
156-60-5	trans-1,2-Dichloroethene	78	J
75-34-33	1,1-Dichloroethane	12	U
78-93-3	2-Butanone	23	U R
156-59-2	cis-1,2-Dichloroethene	770	E J
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
97-01-6	Trichloroethene	40	J
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-pentanone	23	U J
10061-1-5	cis-1,3-Dichloropropene	12	U
	1,2,4-Trimethylbenzene	12	U R
108-88-3	Toluene	12	U
	1,2-Dichlorobenzene	12	U R
10061-2-6	trans-1,3-Dichloropropene	12	U J
	1,3,5-Trimethylbenzene	12	U R
	1,3-Dichlorobenzene	12	U R
79-00-5	1,1,2-Trichloroethane	12	U J
	1,4-Dichlorobenzene	12	U R
	1,4-Dioxane	230	U R
	MTBE	12	U
591-78-6	2-Hexanone	23	U J
	n-Butylbenzene	12	U R
	n-Propylbenzene	12	U R
127-18-4	Tetrachloroethene	180	J
	sec-Butylbenzene	12	U R
124-48-1	Dibromochloromethane	12	U J
	1,2-Dibromoethane	12	U J

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-3 1.5-2

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-008A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30495.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 13.8 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	12	U R
108-90-7	Chlorobenzene	12	U J
	1,2-Dibromo-3-chloropropane	12	U R
100-41-4	Ethylbenzene	12	U J
	Cyclohexane	12	U
108-38-3	m,p-Xylene	12	U J
	Trichlorofluoromethane	12	U
95-47-6	o-Xylene	12	U J
	Dichlorodifluoromethane	12	U
100-42-5	Styrene	12	U R
	Freon-113	12	U
75-25-2	Bromoform	12	U R
	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
	Methylcyclohexane	12	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-3 1.5-2DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-008ADL

Sample wt/vol: 1.0 (g/ml) G Lab File ID: C30537.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 13.8 Date Analyzed: 10/8/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	29	U R
75-1-4	Vinyl Chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
67-64-1	Acetone	130	B
75-35-4	1,1-Dichloroethene	29	U
75-15-0	Carbon Disulfide	29	U
75-09-2	Methylene Chloride	210	B U
156-60-5	trans-1,2-Dichloroethene	99	J
75-34-33	1,1-Dichloroethane	29	U R
78-93-3	2-Butanone	58	U
156-59-2	cis-1,2-Dichloroethene	920	J
67-66-3	Chloroform	29	U R
71-55-6	1,1,1-Trichloroethane	29	U
56-23-5	Carbon Tetrachloride	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	U
97-01-6	Trichloroethene	40	J
78-87-5	1,2-Dichloropropane	29	U R
75-27-4	Bromodichloromethane	29	U
108-10-1	4-Methyl-2-pentanone	58	U
10061-1-5	cis-1,3-Dichloropropene	29	U
	1,2,4-Trimethylbenzene	29	U
108-88-3	Toluene	29	U
	1,2-Dichlorobenzene	29	U
10061-2-6	trans-1,3-Dichloropropene	29	U
	1,3,5-Trimethylbenzene	29	U
	1,3-Dichlorobenzene	29	U
79-00-5	1,1,2-Trichloroethane	29	U
	1,4-Dichlorobenzene	29	U
	1,4-Dioxane	580	U
	MTBE	29	U
591-78-6	2-Hexanone	58	U
	n-Butylbenzene	29	U
	n-Propylbenzene	29	U
127-18-4	Tetrachloroethene	140	J
	sec-Butylbenzene	29	U R
124-48-1	Dibromochloromethane	29	U
	1,2-Dibromoethane	29	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-3 1.5-2DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-008ADL

Sample wt/vol: 1.0 (g/ml) G Lab File ID: C30537.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 13.8 Date Analyzed: 10/8/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	29	U R
108-90-7	Chlorobenzene	29	U
	1,2-Dibromo-3-chloropropane	29	U
100-41-4	Ethylbenzene	29	U
	Cyclohexane	29	U
108-38-3	m,p-Xylene	29	U
	Trichlorofluoromethane	29	U
95-47-6	o-Xylene	29	U
	Dichlorodifluoromethane	29	U
100-42-5	Styrene	29	U
	Freon-113	29	U
75-25-2	Bromoform	29	U
	Isopropylbenzene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
	Methylcyclohexane	29	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-4 2-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-009A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30496.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 14.4 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
75-1-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
67-64-1	Acetone	23	U R
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon Disulfide	12	U
75-09-2	Methylene Chloride	11	B U
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-33	1,1-Dichloroethane	12	U
78-93-3	2-Butanone	23	U R
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
97-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-pentanone	23	U J
10061-1-5	cis-1,3-Dichloropropene	12	U
	1,2,4-Trimethylbenzene	12	U
108-88-3	Toluene	12	U
	1,2-Dichlorobenzene	12	U
10061-2-6	trans-1,3-Dichloropropene	12	U
	1,3,5-Trimethylbenzene	12	U
	1,3-Dichlorobenzene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
	1,4-Dichlorobenzene	12	U
	1,4-Dioxane	230	U R
	MTBE	12	U
591-78-6	2-Hexanone	23	U J
	n-Butylbenzene	12	U J
	n-Propylbenzene	12	U
127-18-4	Tetrachloroethene	53	
	sec-Butylbenzene	12	U
124-48-1	Dibromochloromethane	12	U
	1,2-Dibromoethane	12	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-4 2-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-009A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30496.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 14.4 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	12	U
108-90-7	Chlorobenzene	12	U
	1,2-Dibromo-3-chloropropane	12	U
100-41-4	Ethylbenzene	12	U
	Cyclohexane	12	U
108-38-3	m,p-Xylene	12	U
	Trichlorofluoromethane	12	U
95-47-6	o-Xylene	12	U
	Dichlorodifluoromethane	12	U
100-42-5	Styrene	12	U
	Freon-113	12	U
75-25-2	Bromoform	12	U
	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
	Methylcyclohexane	12	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-5 6-7

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-010A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30497.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 19.1 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U R
75-1-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
67-64-1	Acetone	25	U
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon Disulfide	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-33	1,1-Dichloroethane	12	U
78-93-3	2-Butanone	25	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
97-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-pentanone	25	U
10061-1-5	cis-1,3-Dichloropropene	12	U
	1,2,4-Trimethylbenzene	10	J
108-88-3	Toluene	12	U R
	1,2-Dichlorobenzene	12	U
10061-2-6	trans-1,3-Dichloropropene	12	U
	1,3,5-Trimethylbenzene	12	U
	1,3-Dichlorobenzene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
	1,4-Dichlorobenzene	12	U
	1,4-Dioxane	250	U
	MTBE	12	U
591-78-6	2-Hexanone	25	U
	n-Butylbenzene	12	U
	n-Propylbenzene	12	U
127-18-4	Tetrachloroethene	87	J
	sec-Butylbenzene	12	U R
124-48-1	Dibromochloromethane	12	U
	1,2-Dibromoethane	12	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-5 6-7

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-010A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30497.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 19.1 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	12	U R
108-90-7	Chlorobenzene	12	U
	1,2-Dibromo-3-chloropropane	12	U
100-41-4	Ethylbenzene	12	U
	Cyclohexane	12	U
108-38-3	m,p-Xylene	12	U
	Trichlorofluoromethane	12	U
95-47-6	o-Xylene	12	U
	Dichlorodifluoromethane	12	U
100-42-5	Styrene	12	U
	Freon-113	12	U
75-25-2	Bromoform	12	U
	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
	Methylcyclohexane	12	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-5 6-7RE

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-010ARE

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30530.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 19.1 Date Analyzed: 10/8/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U R
75-1-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
67-64-1	Acetone	50	B
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon Disulfide	12	U
75-09-2	Methylene Chloride	94	B
156-60-5	trans-1,2-Dichloroethene	12	U R
75-34-33	1,1-Dichloroethane	12	U
78-93-3	2-Butanone	25	U
156-59-2	cis-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
97-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-pentanone	25	U
10061-1-5	cis-1,3-Dichloropropene	12	U
	1,2,4-Trimethylbenzene	12	U
108-88-3	Toluene	12	U
	1,2-Dichlorobenzene	12	U
10061-2-6	trans-1,3-Dichloropropene	12	U
	1,3,5-Trimethylbenzene	12	U
	1,3-Dichlorobenzene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
	1,4-Dichlorobenzene	12	U
	1,4-Dioxane	250	U
	MTBE	12	U
591-78-6	2-Hexanone	25	U
	n-Butylbenzene	12	U
	n-Propylbenzene	12	U
127-18-4	Tetrachloroethene	78	J
	sec-Butylbenzene	12	U R
124-48-1	Dibromochloromethane	12	U
	1,2-Dibromoethane	12	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-5 6-7RE

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-010ARE

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30530.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 19.1 Date Analyzed: 10/8/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

	1,2,4-Trichlorobenzene	12	U R
108-90-7	Chlorobenzene	12	U
	1,2-Dibromo-3-chloropropane	12	U
100-41-4	Ethylbenzene	12	U
	Cyclohexane	12	U
108-38-3	m,p-Xylene	12	U
	Trichlorofluoromethane	12	U
95-47-6	o-Xylene	12	U
	Dichlorodifluoromethane	12	U
100-42-5	Styrene	12	U
	Freon-113	12	U
75-25-2	Bromoform	12	U
	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
	Methylcyclohexane	12	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-6 2-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-011A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30498.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 17.7 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U R
75-1-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
67-64-1	Acetone	24	U
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon Disulfide	12	U
75-09-2	Methylene Chloride	29	B UJ
156-60-5	trans-1,2-Dichloroethene	85	J
75-34-33	1,1-Dichloroethane	12	U R
78-93-3	2-Butanone	24	U
156-59-2	cis-1,2-Dichloroethene	1400	E J
67-66-3	Chloroform	12	U R
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
97-01-6	Trichloroethene	1600	E J
78-87-5	1,2-Dichloropropane	12	U R
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-pentanone	24	U
10061-1-5	cis-1,3-Dichloropropene	12	U
	1,2,4-Trimethylbenzene	12	U
108-88-3	Toluene	12	U
	1,2-Dichlorobenzene	12	U
10061-2-6	trans-1,3-Dichloropropene	12	U
	1,3,5-Trimethylbenzene	12	U
	1,3-Dichlorobenzene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
	1,4-Dichlorobenzene	12	U
	1,4-Dioxane	240	U
	MTBE	12	U
591-78-6	2-Hexanone	24	U
	n-Butylbenzene	12	U
	n-Propylbenzene	12	U
127-18-4	Tetrachloroethene	15000	E J
	sec-Butylbenzene	12	U R
124-48-1	Dibromochloromethane	12	U
	1,2-Dibromoethane	12	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-6 2-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-011A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30498.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 17.7 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	12	U R
108-90-7	Chlorobenzene	12	U
	1,2-Dibromo-3-chloropropane	12	U
100-41-4	Ethylbenzene	12	U
	Cyclohexane	12	U
108-38-3	m,p-Xylene	12	U
	Trichlorofluoromethane	12	U
95-47-6	o-Xylene	12	U
	Dichlorodifluoromethane	12	U
100-42-5	Styrene	12	U
	Freon-113	12	U
75-25-2	Bromoform	12	U
	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
	Methylcyclohexane	12	U ✓

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-6 2-3DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-011A

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30552.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 17.7 Date Analyzed: 10/9/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 20 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	3000	U R
75-1-4	Vinyl Chloride	3000	U
74-83-9	Bromomethane	3000	U
75-00-3	Chloroethane	3000	U
67-64-1	Acetone	6100	U
75-35-4	1,1-Dichloroethene	3000	U
75-15-0	Carbon Disulfide	3000	U
75-09-2	Methylene Chloride	3000	U
156-60-5	trans-1,2-Dichloroethene	3000	U
75-34-33	1,1-Dichloroethane	3000	U
78-93-3	2-Butanone	6100	U
156-59-2	cis-1,2-Dichloroethene	1300	J
67-66-3	Chloroform	3000	U R
71-55-6	1,1,1-Trichloroethane	3000	U
56-23-5	Carbon Tetrachloride	3000	U
71-43-2	Benzene	3000	U
107-06-2	1,2-Dichloroethane	3000	U
97-01-6	Trichloroethene	3300	J
78-87-5	1,2-Dichloropropane	3000	U R
75-27-4	Bromodichloromethane	3000	U
108-10-1	4-Methyl-2-pentanone	6100	U
10061-1-5	cis-1,3-Dichloropropene	3000	U
	1,2,4-Trimethylbenzene	3000	U
108-88-3	Toluene	3000	U
	1,2-Dichlorobenzene	3000	U
10061-2-6	trans-1,3-Dichloropropene	3000	U
	1,3,5-Trimethylbenzene	3000	U
	1,3-Dichlorobenzene	3000	U
79-00-5	1,1,2-Trichloroethane	3000	U
	1,4-Dichlorobenzene	3000	U
	1,4-Dioxane	61000	U
	MTBE	3000	U
591-78-6	2-Hexanone	6100	U
	n-Butylbenzene	3000	U
	n-Propylbenzene	3000	U
127-18-4	Tetrachloroethene	41000	J
	sec-Butylbenzene	3000	U R
124-48-1	Dibromochloromethane	3000	U
	1,2-Dibromoethane	3000	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-6 2-3DL

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-011A

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30552.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 17.7 Date Analyzed: 10/9/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 20 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	3000	U R
108-90-7	Chlorobenzene	3000	U
	1,2-Dibromo-3-chloropropane	3000	U
100-41-4	Ethylbenzene	3000	U
	Cyclohexane	3000	U
108-38-3	m,p-Xylene	3000	U
	Trichlorofluoromethane	3000	U
95-47-6	o-Xylene	3000	U
	Dichlorodifluoromethane	3000	U
100-42-5	Styrene	3000	U
	Freon-113	3000	U
75-25-2	Bromoform	3000	U
	Isopropylbenzene	3000	U
79-34-5	1,1,2,2-Tetrachloroethane	3000	U
	Methylcyclohexane	3000	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-7 2-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-012A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30499.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 12.9 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
75-1-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
67-64-1	Acetone	23	U R
75-35-4	1,1-Dichloroethene	11	U
75-15-0	Carbon Disulfide	11	U
75-09-2	Methylene Chloride	12	B U
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-33	1,1-Dichloroethane	11	U
78-93-3	2-Butanone	23	U R
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
97-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-pentanone	23	U J
10061-1-5	cis-1,3-Dichloropropene	11	U
	1,2,4-Trimethylbenzene	11	U J
108-88-3	Toluene	11	U
	1,2-Dichlorobenzene	11	U J
10061-2-6	trans-1,3-Dichloropropene	11	U
	1,3,5-Trimethylbenzene	11	U J
	1,3-Dichlorobenzene	11	U J
79-00-5	1,1,2-Trichloroethane	11	U
	1,4-Dichlorobenzene	11	U J
	1,4-Dioxane	230	U R
	MTBE	11	U
591-78-6	2-Hexanone	23	U J
	n-Butylbenzene	11	U J
	n-Propylbenzene	11	U J
127-18-4	Tetrachloroethene	45	
	sec-Butylbenzene	11	U J
124-48-1	Dibromochloromethane	11	U
	1,2-Dibromoethane	11	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-7 2-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-012A

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30499.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 12.9 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	11	U
108-90-7	Chlorobenzene	11	U
	1,2-Dibromo-3-chloropropane	11	U
100-41-4	Ethylbenzene	11	U
	Cyclohexane	11	U
108-38-3	m,p-Xylene	11	U
	Trichlorofluoromethane	11	U
95-47-6	o-Xylene	11	U
	Dichlorodifluoromethane	11	U
100-42-5	Styrene	11	U J
	Freon-113	11	U
75-25-2	Bromoform	11	U J
	Isopropylbenzene	11	U ↓
79-34-5	1,1,2,2-Tetrachloroethane	11	U ↓
	Methylcyclohexane	11	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-7 2-3RE

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-012ARE

Sample wt/vol: 2.5 (g/ml) G Lab File ID: C30531.D

Level: (low/med) LOW Date Received: 9/25/2009

% Moisture: not dec. 12.9 Date Analyzed: 10/8/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U R
75-1-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
67-64-1	Acetone	43	B
75-35-4	1,1-Dichloroethene	11	U
75-15-0	Carbon Disulfide	11	U
75-09-2	Methylene Chloride	84	B U
156-60-5	trans-1,2-Dichloroethene	11	U R
75-34-33	1,1-Dichloroethane	11	U
78-93-3	2-Butanone	23	U
156-59-2	cis-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
97-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-pentanone	23	U
10061-1-5	cis-1,3-Dichloropropene	11	U
	1,2,4-Trimethylbenzene	11	U
108-88-3	Toluene	11	U
	1,2-Dichlorobenzene	11	U
10061-2-6	trans-1,3-Dichloropropene	11	U
	1,3,5-Trimethylbenzene	11	U
	1,3-Dichlorobenzene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
	1,4-Dichlorobenzene	11	U
	1,4-Dioxane	230	U
	MTBE	11	U
591-78-6	2-Hexanone	23	U
	n-Butylbenzene	11	U
	n-Propylbenzene	11	U
127-18-4	Tetrachloroethene	23	J
	sec-Butylbenzene	11	U R
124-48-1	Dibromochloromethane	11	U
	1,2-Dibromoethane	11	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-7 2-3RE

UPSTATE LABS INC. Contract: NYSDEC(W

10170 Case No.: SAS No.: SDG No.: DEC82

vater) SOIL Lab Sample ID: U0909490-012ARE

)l: 2.5 (g/ml) G Lab File ID: C30531.D

ıed) LOW Date Received: 9/25/2009

ıot dec. 12.9 Date Analyzed: 10/8/2009

RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

olume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	11	U R
7	Chlorobenzene	11	U
	1,2-Dibromo-3-chloropropane	11	U
4	Ethylbenzene	11	U
	Cyclohexane	11	U
3	m,p-Xylene	11	U
	Trichlorofluoromethane	11	U
	o-Xylene	11	U
	Dichlorodifluoromethane	11	U
5	Styrene	11	U
	Freon-113	11	U
	Bromoform	11	U
	Isopropylbenzene	11	U
	1,1,2,2-Tetrachloroethane	11	U
	Methylcyclohexane	11	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-8 2.5-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-013A

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30500.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 13.3 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	570	U
75-1-4	Vinyl Chloride	570	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	570	U
67-64-1	Acetone	1100	U R
75-35-4	1,1-Dichloroethene	570	U
75-15-0	Carbon Disulfide	570	U
75-09-2	Methylene Chloride	470	B U
156-60-5	trans-1,2-Dichloroethene	570	U
75-34-33	1,1-Dichloroethane	570	U
78-93-3	2-Butanone	1100	U R
156-59-2	cis-1,2-Dichloroethene	570	U
67-66-3	Chloroform	570	U
71-55-6	1,1,1-Trichloroethane	570	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	570	U
107-06-2	1,2-Dichloroethane	570	U
97-01-6	Trichloroethene	570	U
78-87-5	1,2-Dichloropropane	570	U
75-27-4	Bromodichloromethane	570	U
108-10-1	4-Methyl-2-pentanone	1100	U J
10061-1-5	cis-1,3-Dichloropropene	570	U
	1,2,4-Trimethylbenzene	570	U
108-88-3	Toluene	570	U
	1,2-Dichlorobenzene	570	U
10061-2-6	trans-1,3-Dichloropropene	570	U
	1,3,5-Trimethylbenzene	570	U
	1,3-Dichlorobenzene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
	1,4-Dichlorobenzene	570	U
	1,4-Dioxane	11000	U R
	MTBE	570	U
591-78-6	2-Hexanone	1100	U J
	n-Butylbenzene	570	U J
	n-Propylbenzene	570	U
127-18-4	Tetrachloroethene	530	J
	sec-Butylbenzene	570	U
124-48-1	Dibromochloromethane	570	U
	1,2-Dibromoethane	570	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-8 2.5-3

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-013A

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30500.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 13.3 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	570	U
108-90-7	Chlorobenzene	570	U
	1,2-Dibromo-3-chloropropane	570	U
100-41-4	Ethylbenzene	570	U
	Cyclohexane	570	U
108-38-3	m,p-Xylene	570	U
	Trichlorofluoromethane	570	U
95-47-6	o-Xylene	570	U
	Dichlorodifluoromethane	570	U
100-42-5	Styrene	570	U
	Freon-113	570	U
75-25-2	Bromoform	570	U
	Isopropylbenzene	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U
	Methylcyclohexane	570	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-2

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: _____ SAS No.: _____ SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-014A

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30501.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 23.9 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	660	U
75-1-4	Vinyl Chloride	660	U
74-83-9	Bromomethane	660	U
75-00-3	Chloroethane	660	U
67-64-1	Acetone	1300	U R
75-35-4	1,1-Dichloroethene	660	U
75-15-0	Carbon Disulfide	660	U
75-09-2	Methylene Chloride	660	U
156-60-5	trans-1,2-Dichloroethene	660	U
75-34-33	1,1-Dichloroethane	660	U
78-93-3	2-Butanone	1300	U R
156-59-2	cis-1,2-Dichloroethene	660	U
67-66-3	Chloroform	660	U
71-55-6	1,1,1-Trichloroethane	660	U
56-23-5	Carbon Tetrachloride	660	U
71-43-2	Benzene	660	U
107-06-2	1,2-Dichloroethane	660	U
97-01-6	Trichloroethene	660	U
78-87-5	1,2-Dichloropropane	660	U
75-27-4	Bromodichloromethane	660	U
108-10-1	4-Methyl-2-pentanone	1300	U J
10061-1-5	cis-1,3-Dichloropropene	660	U
	1,2,4-Trimethylbenzene	14000	
108-88-3	Toluene	660	U
	1,2-Dichlorobenzene	660	U
10061-2-6	trans-1,3-Dichloropropene	660	U
	1,3,5-Trimethylbenzene	5400	
	1,3-Dichlorobenzene	660	U
79-00-5	1,1,2-Trichloroethane	660	U
	1,4-Dichlorobenzene	660	U
	1,4-Dioxane	13000	U R
	MTBE	660	U
591-78-6	2-Hexanone	1300	U J
	n-Butylbenzene	2700	J
	n-Propylbenzene	640	J
127-18-4	Tetrachloroethene	540	J
	sec-Butylbenzene	660	U
124-48-1	Dibromochloromethane	660	U
	1,2-Dibromoethane	660	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-2

Lab Name: UPSTATE LABS INC. Contract: NYSDEC(W

Lab Code: 10170 Case No.: SAS No.: SDG No.: DEC82

Matrix: (soil/water) SOIL Lab Sample ID: U0909490-014A

Sample wt/vol: 5.0 (g/ml) G Lab File ID: C30501.D

Level: (low/med) MED Date Received: 9/25/2009

% Moisture: not dec. 23.9 Date Analyzed: 10/7/2009

GC Column: RTX-VO ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	1,2,4-Trichlorobenzene	660	U
108-90-7	Chlorobenzene	660	U
	1,2-Dibromo-3-chloropropane	660	U
100-41-4	Ethylbenzene	660	U
	Cyclohexane	660	U
108-38-3	m,p-Xylene	1000	
	Trichlorofluoromethane	660	U
95-47-6	o-Xylene	810	
	Dichlorodifluoromethane	660	U
100-42-5	Styrene	660	U
	Freon-113	660	U
75-25-2	Bromoform	660	U
	Isopropylbenzene	660	U
79-34-5	1,1,2,2-Tetrachloroethane	660	U
	Methylcyclohexane	660	U

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 169 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 247-4313

Mr. Lincoln Fancher
NYSDEC - Region 6
Dulles State Office Bldg.
317 Washington St.
Watertown, NY 13601

Friday, October 09, 2009

RE: Analytical Report:
Whitesboro Dry Cleaners, Site #633054

Order No.: U0909490

Dear Mr. Lincoln Fancher:

Upstate Laboratories, Inc. received 16 sample(s) on 9/25/2009 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala
President/CEO

CC:
Lincoln Fancher, NYSDEC: summary report
Lynette Mokry, Op-Tech: ASP-B report

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-1(8-12ft)
Lab Order: U0909490
Collection Date: 9/25/2009 10:30:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-001
Matrix: GROUNDWATER

DUSR changes JM 1/7/10

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2,4-Trichlorobenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
1,2,4-Trimethylbenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
1,2-Dibromo-3-chloropropane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
1,2-Dibromoethane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
1,2-Dichlorobenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
1,3,5-Trimethylbenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
1,3-Dichlorobenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
1,4-Dichlorobenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
1,4-Dioxane	~~ND~~	~~50000~~	R	µg/L	500	10/8/2009 4:58:00 AM
Cyclohexane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Dichlorodifluoromethane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Freon-113	ND	50 ~~2500~~	UJ	µg/L	500	10/8/2009 4:58:00 AM
Isopropylbenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Methyl Acetate	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Methyl tert-butyl ether	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Methylcyclohexane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
n-Butylbenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
n-Propylbenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
sec-Butylbenzene	~~ND~~	~~2500~~	JK	µg/L	500	10/8/2009 4:58:00 AM
tert-Butylbenzene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Trichlorofluoromethane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Chloromethane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Vinyl chloride	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Bromomethane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Chloroethane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Acetone	ND	5000		µg/L	500	10/8/2009 4:58:00 AM
1,1-Dichloroethene	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Carbon disulfide	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Methylene chloride	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
trans-1,2-Dichloroethene	ND	~~2500~~ 50U		µg/L	500	10/8/2009 4:58:00 AM
1,1-Dichloroethane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
2-Butanone	ND	5000		µg/L	500	10/8/2009 4:58:00 AM
cis-1,2-Dichloroethene	250 ~~ND~~	~~2500~~	D	µg/L	500	10/8/2009 4:58:00 AM
Chloroform	26 ~~ND~~	~~2500~~	DJ	µg/L	500	10/8/2009 4:58:00 AM
1,1,1-Trichloroethane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Carbon tetrachloride	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Benzene	25 ~~ND~~	~~2500~~	DJ	µg/L	500	10/8/2009 4:58:00 AM
1,2-Dichloroethane	ND	2500		µg/L	500	10/8/2009 4:58:00 AM
Trichloroethene	78 ~~ND~~	~~2500~~	D	µg/L	500	10/8/2009 4:58:00 AM

Approved By: _____ **Date:** _____

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-1(8-12ft)
Lab Order: U0909490
Collection Date: 9/25/2009 10:30:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-001 DUSR change Jm 1/4/10
Matrix: GROUNDWATER

Analyses	Result		Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**			Analyst: **LEF**
1,2-Dichloropropane	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
Bromodichloromethane	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
4-Methyl-2-pentanone	ND		5000		µg/L	500	10/8/2009 4:58:00 AM
cis-1,3-Dichloropropene	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
Toluene	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
trans-1,3-Dichloropropene	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
1,1,2-Trichloroethane	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
2-Hexanone	ND		5000		µg/L	500	10/8/2009 4:58:00 AM
Tetrachloroethene	55000	DJ	2500		µg/L	500	10/8/2009 4:58:00 AM
Dibromochloromethane	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
Chlorobenzene	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
Ethylbenzene	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
m,p-Xylene	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
o-Xylene	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
Styrene	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
Bromoform	ND		2500		µg/L	500	10/8/2009 4:58:00 AM
1,1,2,2-Tetrachloroethane	ND		2500		µg/L	500	10/8/2009 4:58:00 AM

NOTES:
The reporting limits were raised due to the high concentration of target compounds.
TICS: No compounds were detected.
Sample reanalyzed over the holding time; original analysis was within the holding time.

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-7(8-12ft)
Lab Order: U0909490
Collection Date: 9/25/2009 10:40:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-002 DUSR Changes Lm 1/7/10
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,4-Dioxane	~~ND~~	~~100~~	R	µg/L	1	10/7/2009 5:29:00 AM
Cyclohexane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Dichlorodifluoromethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Freon-113	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Methyl Acetate	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Methylcyclohexane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
n-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
n-Propylbenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
sec-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
tert-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Chloromethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Vinyl chloride	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Bromomethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Chloroethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Acetone	ND	10		µg/L	1	10/7/2009 5:29:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Carbon disulfide	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Methylene chloride	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
2-Butanone	ND	10		µg/L	1	10/7/2009 5:29:00 AM
cis-1,2-Dichloroethene	2	5.0	J	µg/L	1	10/7/2009 5:29:00 AM
Chloroform	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Benzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Trichloroethene	3	5.0	J	µg/L	1	10/7/2009 5:29:00 AM

Approved By: **Date:**

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Lab Order: U0909490
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-002

Client Sample ID: SB-7(8-12ft)
Collection Date: 9/25/2009 10:40:00 AM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2-Dichloropropane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/7/2009 5:29:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Toluene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
2-Hexanone	ND	10		µg/L	1	10/7/2009 5:29:00 AM
Tetrachloroethene	55	5.0		µg/L	1	10/7/2009 5:29:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Chlorobenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Ethylbenzene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
m,p-Xylene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
o-Xylene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Styrene	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
Bromoform	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/7/2009 5:29:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-8(8-12ft)
Lab Order: U0909490
Collection Date: 9/25/2009 12:30:00 PM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-003
Matrix: GROUNDWATER

DUSR changes ym 1/7/10

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2,4-Trichlorobenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,2,4-Trimethylbenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,2-Dibromo-3-chloropropane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,2-Dibromoethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,2-Dichlorobenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,3,5-Trimethylbenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,3-Dichlorobenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,4-Dichlorobenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,4-Dioxane	~~ND~~	500	R	µg/L	5	10/7/2009 10:01:00 AM
Cyclohexane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Dichlorodifluoromethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Freon-113	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Isopropylbenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Methyl Acetate	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Methyl tert-butyl ether	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Methylcyclohexane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
n-Butylbenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
n-Propylbenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
sec-Butylbenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
tert-Butylbenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Trichlorofluoromethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Chloromethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Vinyl chloride	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Bromomethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Chloroethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Acetone	ND	50		µg/L	5	10/7/2009 10:01:00 AM
1,1-Dichloroethene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Carbon disulfide	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Methylene chloride	ND	25		µg/L	5	10/7/2009 10:01:00 AM
trans-1,2-Dichloroethene	10	25	J	µg/L	5	10/7/2009 10:01:00 AM
1,1-Dichloroethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
2-Butanone	ND	50		µg/L	5	10/7/2009 10:01:00 AM
cis-1,2-Dichloroethene	~~27~~	25	~~J~~ D	µg/L	5	10/7/2009 10:01:00 AM
Chloroform	20	25	J	µg/L	5	10/7/2009 10:01:00 AM
1,1,1-Trichloroethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Carbon tetrachloride	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Benzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,2-Dichloroethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Trichloroethene	~~29~~ 31	25	D	µg/L	5	10/7/2009 10:01:00 AM

Approved By: _____ **Date:** _____

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-8(8-12ft)
Lab Order: U0909490
Collection Date: 9/25/2009 12:30:00 PM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-003 DuSR change Jm 1/7/10
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2-Dichloropropane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Bromodichloromethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	10/7/2009 10:01:00 AM
cis-1,3-Dichloropropene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Toluene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
trans-1,3-Dichloropropene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,1,2-Trichloroethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
2-Hexanone	ND	50		µg/L	5	10/7/2009 10:01:00 AM
Tetrachloroethene	200	25	D	µg/L	5	10/7/2009 10:01:00 AM
Dibromochloromethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Chlorobenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Ethylbenzene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
m,p-Xylene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
o-Xylene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Styrene	ND	25		µg/L	5	10/7/2009 10:01:00 AM
Bromoform	ND	25		µg/L	5	10/7/2009 10:01:00 AM
1,1,2,2-Tetrachloroethane	ND	25		µg/L	5	10/7/2009 10:01:00 AM

NOTES:
The reporting limits were raised due to the high concentration of target compounds.
TICS: No compounds were detected.

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: Dup-1
Lab Order: U0909490
Collection Date: 9/25/2009 8:00:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-004 DUSR change fm 1/7/10
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,4-Dioxane	~~ND~~	~~100~~	R	µg/L	1	10/7/2009 1:36:00 AM
Cyclohexane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Dichlorodifluoromethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Freon-113	ND	5.0 UJ		µg/L	1	10/7/2009 1:36:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Methyl Acetate	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Methylcyclohexane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
n-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
n-Propylbenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
sec-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
tert-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Chloromethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Vinyl chloride	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Bromomethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Chloroethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Acetone	ND	10		µg/L	1	10/7/2009 1:36:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Carbon disulfide	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Methylene chloride	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
2-Butanone	ND	10		µg/L	1	10/7/2009 1:36:00 AM
cis-1,2-Dichloroethene	2	5.0	J	µg/L	1	10/7/2009 1:36:00 AM
Chloroform	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Benzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Trichloroethene	3	5.0	J	µg/L	1	10/7/2009 1:36:00 AM

Approved By: **Date:**

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: Dup-1
Lab Order: U0909490
Collection Date: 9/25/2009 8:00:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-004
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2-Dichloropropane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/7/2009 1:36:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Toluene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
2-Hexanone	ND	10		µg/L	1	10/7/2009 1:36:00 AM
Tetrachloroethene	59	5.0		µg/L	1	10/7/2009 1:36:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Chlorobenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Ethylbenzene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
m,p-Xylene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
o-Xylene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Styrene	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
Bromoform	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/7/2009 1:36:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: **Date:**

Qualifiers:

*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: Trip Blank
Lab Order: U0909490
Collection Date: 9/25/2009
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-005
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			**SW8260B**			Analyst: **LEF**
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,4-Dioxane	ND	100		µg/L	1	10/7/2009 7:24:00 AM
Cyclohexane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Dichlorodifluoromethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Freon-113	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Methyl Acetate	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Methylcyclohexane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
n-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
n-Propylbenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
sec-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
tert-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Chloromethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Vinyl chloride	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Bromomethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Chloroethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Acetone	ND	10		µg/L	1	10/7/2009 7:24:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Carbon disulfide	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Methylene chloride	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
2-Butanone	ND	10		µg/L	1	10/7/2009 7:24:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Chloroform	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Benzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Trichloroethene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM

Approved By: **Date:**

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: Trip Blank
Lab Order: U0909490
Collection Date: 9/25/2009
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-005
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2-Dichloropropane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/7/2009 7:24:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Toluene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
2-Hexanone	ND	10		µg/L	1	10/7/2009 7:24:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Chlorobenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Ethylbenzene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
m,p-Xylene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
o-Xylene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Styrene	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
Bromoform	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/7/2009 7:24:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6 **Client Sample ID:** SB-1(1.5-2ft)
Lab Order: U0909490 **Collection Date:** 9/24/2009 10:10:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-006 DuSR change 1/7/10 **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
1,2,4-Trimethylbenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,2-Dichlorobenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,3,5-Trimethylbenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,3-Dichlorobenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,4-Dichlorobenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,4-Dioxane	~~ND~~	~~12000000~~	R	µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Methyl tert-butyl ether	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
n-Butylbenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
n-Propylbenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
sec-Butylbenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
tert-Butylbenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Chloromethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Vinyl chloride	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Bromomethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Chloroethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Acetone	ND	1200000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,1-Dichloroethene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Carbon disulfide	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Methylene chloride	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
trans-1,2-Dichloroethene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,1-Dichloroethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
2-Butanone	ND	1200000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
cis-1,2-Dichloroethene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Chloroform	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,1,1-Trichloroethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Carbon tetrachloride	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Benzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,2-Dichloroethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Trichloroethene 74000	ND	600000		µg/Kg-dry	~~100000~~	10/8/2009 5:36:00 AM
1,2-Dichloropropane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Bromodichloromethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
4-Methyl-2-pentanone	ND	1200000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
cis-1,3-Dichloropropene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Toluene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
trans-1,3-Dichloropropene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,1,2-Trichloroethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
2-Hexanone	ND	1200000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Tetrachloroethene	9500000	600000	DJ	µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Dibromochloromethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-1(1.5-2ft)
Lab Order: U0909490
Collection Date: 9/24/2009 10:10:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-006
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL	DUS Changes for 1/7/10			**SW8260B**		Analyst: **LEF**
Chlorobenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Ethylbenzene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
m,p-Xylene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
o-Xylene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Styrene	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
Bromoform	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM
1,1,2,2-Tetrachloroethane	ND	600000		µg/Kg-dry	100000	10/8/2009 5:36:00 AM

NOTES:
The reporting limits were raised due to the high concentration of target compounds.
Sample reanalyzed over the holding time; original analysis was within the holding time.
TICS: No compounds were detected.

PERCENT MOISTURE				**D2216**		Analyst: **VAW**
Percent Moisture	16.7	0.00100		wt%	1	9/29/2009

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-2(2-3ft)
Lab Order: U0909490
Collection Date: 9/24/2009 12:15:00 PM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-007 DUSR Change Jm 1/7/10
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
1,2,4-Trimethylbenzene	~~ND~~	~~29~~	R	µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,2-Dichlorobenzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,3,5-Trimethylbenzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,3-Dichlorobenzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,4-Dichlorobenzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,4-Dioxane	ND	590		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Methyl tert-butyl ether	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
n-Butylbenzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
n-Propylbenzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
sec-Butylbenzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
tert-Butylbenzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Chloromethane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Vinyl chloride	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Bromomethane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Chloroethane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Acetone	ND	59		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,1-Dichloroethene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Carbon disulfide	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Methylene chloride	ND	18 ~~29~~	BJ	µg/Kg-dry	5	10/9/2009 11:32:00 AM
trans-1,2-Dichloroethene	~~ND~~	~~29~~	R	µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,1-Dichloroethane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
2-Butanone	ND	59		µg/Kg-dry	5	10/9/2009 11:32:00 AM
cis-1,2-Dichloroethene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Chloroform	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,1,1-Trichloroethane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Carbon tetrachloride	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Benzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,2-Dichloroethane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Trichloroethene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,2-Dichloropropane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Bromodichloromethane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
4-Methyl-2-pentanone	ND	59		µg/Kg-dry	5	10/9/2009 11:32:00 AM
cis-1,3-Dichloropropene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Toluene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
trans-1,3-Dichloropropene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,1,2-Trichloroethane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
2-Hexanone	ND	59		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Tetrachloroethene	130 ~~110~~	~~29~~	J	µg/Kg-dry	5	10/9/2009 11:32:00 AM
Dibromochloromethane	~~ND~~	~~29~~	R	µg/Kg-dry	5	10/9/2009 11:32:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT:	NYSDEC - Region 6	**Client Sample ID:**	SB-2(2-3ft)
Lab Order:	U0909490	**Collection Date:**	9/24/2009 12:15:00 PM
Project:	Whitesboro Dry Cleaners, Site #633054		
Lab ID:	U0909490-007	**Matrix:**	SOLID

DUSR Changes JMH 7/10

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
Chlorobenzene	ND	~~29~~ 12		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Ethylbenzene	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
m,p-Xylene	~~ND~~	~~29~~	R	µg/Kg-dry	5	10/9/2009 11:32:00 AM
o-Xylene	~~ND~~	~~29~~	R	µg/Kg-dry	5	10/9/2009 11:32:00 AM
Styrene	ND	~~29~~ 12		µg/Kg-dry	5	10/9/2009 11:32:00 AM
Bromoform	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM
1,1,2,2-Tetrachloroethane	ND	29		µg/Kg-dry	5	10/9/2009 11:32:00 AM

NOTES:
The reporting limits were raised due to matrix interference.
Low quality control recoveries were observed at lower dilutions.
TICS: No compounds were detected.
Sample reanalyzed over the holding time; original analysis was within the holding time.

PERCENT MOISTURE			**D2216**			Analyst: **VAW**
Percent Moisture	14.6	0.00100	wt%		1	9/29/2009

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-3(1.5-2ft)
Lab Order: U0909490
Collection Date: 9/24/2009 1:35:00 PM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-008
Matrix: SOLID

DUSR changes ym 1/7/10

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
1,2,4-Trimethylbenzene	~~ND~~	~~29~~	R	µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,2-Dichlorobenzene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,3,5-Trimethylbenzene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,3-Dichlorobenzene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,4-Dichlorobenzene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,4-Dioxane	ND	580		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Methyl tert-butyl ether	ND	12 ~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
n-Butylbenzene	~~ND~~	~~29~~	R	µg/Kg-dry	5	10/8/2009 10:48:00 PM
n-Propylbenzene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
sec-Butylbenzene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
tert-Butylbenzene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Chloromethane	ND	12 ~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Vinyl chloride	ND	~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Bromomethane	ND	~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Chloroethane	ND	~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Acetone	~~130~~	~~58~~	B R	µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,1-Dichloroethene	ND	12 ~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Carbon disulfide	ND	~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Methylene chloride	~~210~~	26 ~~29~~	B U	µg/Kg-dry	5	10/8/2009 10:48:00 PM
trans-1,2-Dichloroethene	99	29	J	µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,1-Dichloroethane	ND	12 ~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
2-Butanone	~~ND~~	~~58~~	R	µg/Kg-dry	5	10/8/2009 10:48:00 PM
cis-1,2-Dichloroethene	920 ~~910~~	29	J	µg/Kg-dry	5	10/8/2009 10:48:00 PM
Chloroform	ND	~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,1,1-Trichloroethane	ND	12 ~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Carbon tetrachloride	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Benzene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,2-Dichloroethane	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Trichloroethene	40	29	J	µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,2-Dichloropropane	ND	12 ~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Bromodichloromethane	ND	~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
4-Methyl-2-pentanone	ND	23 ~~58~~	UJ	µg/Kg-dry	~~5~~	10/8/2009 10:48:00 PM
cis-1,3-Dichloropropene	ND	12 ~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Toluene	ND	~~29~~		µg/Kg-dry	5	10/8/2009 10:48:00 PM
trans-1,3-Dichloropropene	ND	~~29~~	UJ	µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,1,2-Trichloroethane	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
2-Hexanone	ND	23 ~~58~~	UJ	µg/Kg-dry	5	10/8/2009 10:48:00 PM
Tetrachloroethene	180 140	29	J	µg/Kg-dry	5	10/8/2009 10:48:00 PM
Dibromochloromethane	ND	12 ~~29~~	UJ	µg/Kg-dry	5	10/8/2009 10:48:00 PM

Approved By: **Date:**

Qualifiers:

- * Low Level
- ** Value exceeds Maximum Contaminant Value
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT:	NYSDEC - Region 6	**Client Sample ID:**	SB-3(1.5-2ft)
Lab Order:	U0909490	**Collection Date:**	9/24/2009 1:35:00 PM
Project:	Whitesboro Dry Cleaners, Site #633054		
Lab ID:	U0909490-008	**Matrix:**	SOLID

DUSR changes Jm 1/7/10

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
Chlorobenzene	ND	~~29~~ 12	UJ	µg/Kg-dry	5	10/8/2009 10:48:00 PM
Ethylbenzene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
m,p-Xylene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
o-Xylene	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
Styrene	~~ND~~	~~29~~	R	µg/Kg-dry	5	10/8/2009 10:48:00 PM
Bromoform	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
1,1,2,2-Tetrachloroethane	ND	29		µg/Kg-dry	5	10/8/2009 10:48:00 PM
TIC: unknown	58	0		µg/Kg-dry	5	10/8/2009 10:48:00 PM

NOTES:
The reporting limits were raised due to the high concentration of target compounds.
B - This analyte was observed in the Method Blank and is assumed to be laboratory contamination.
Sample reanalyzed over the holding time; original analysis was within the holding time.
Low quality control recoveries were observed but do not affect results.

PERCENT MOISTURE				**D2216**		Analyst: **VAW**
Percent Moisture	13.8	0.00100		wt%	1	9/29/2009

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6 **Client Sample ID:** SB-4(2-3ft)

Lab Order: U0909490 **Collection Date:** 9/24/2009 2:30:00 PM

Project: Whitesboro Dry Cleaners, Site #633054 DUSR Changes

Lab ID: U0909490-009 1/7/10 **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL			**SW8260B**			Analyst: **LEF**
1,2,4-Trimethylbenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,2-Dichlorobenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,3,5-Trimethylbenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,3-Dichlorobenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,4-Dichlorobenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,4-Dioxane	~~ND~~	~~230~~	R	µg/Kg-dry	2	10/7/2009 7:57:00 PM
Methyl tert-butyl ether	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
n-Butylbenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
n-Propylbenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
sec-Butylbenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
tert-Butylbenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Chloromethane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Vinyl chloride	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Bromomethane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Chloroethane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Acetone	~~ND~~	~~23~~	R	µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,1-Dichloroethene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Carbon disulfide	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Methylene chloride	ND	11 ~~12~~	BU	µg/Kg-dry	2	10/7/2009 7:57:00 PM
trans-1,2-Dichloroethene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,1-Dichloroethane	~~ND~~	~~12~~	UK	µg/Kg-dry	2	10/7/2009 7:57:00 PM
2-Butanone	~~ND~~	~~23~~	R	µg/Kg-dry	2	10/7/2009 7:57:00 PM
cis-1,2-Dichloroethene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Chloroform	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,1,1-Trichloroethane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Carbon tetrachloride	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Benzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,2-Dichloroethane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Trichloroethene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,2-Dichloropropane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Bromodichloromethane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
4-Methyl-2-pentanone	ND	23	UJ	µg/Kg-dry	2	10/7/2009 7:57:00 PM
cis-1,3-Dichloropropene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Toluene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
trans-1,3-Dichloropropene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,1,2-Trichloroethane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
2-Hexanone	ND	23	UJ	µg/Kg-dry	2	10/7/2009 7:57:00 PM
Tetrachloroethene	53	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Dibromochloromethane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM

Approved By: **Date:**

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-4(2-3ft)
Lab Order: U0909490
Collection Date: 9/24/2009 2:30:00 PM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-009
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
Chlorobenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Ethylbenzene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
m,p-Xylene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
o-Xylene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Styrene	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
Bromoform	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM
1,1,2,2-Tetrachloroethane	ND	12		µg/Kg-dry	2	10/7/2009 7:57:00 PM

NOTES:
TICS: No compounds were detected.
The reporting limits were raised due to matrix interference.
Low quality control recoveries were observed in similar samples.

PERCENT MOISTURE				**D2216**		Analyst: **VAW**
Percent Moisture	14.4	0.00100		wt%	1	9/29/2009

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-5(6-7ft)
Lab Order: U0909490
Collection Date: 9/25/2009 8:30:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-010
Matrix: SOLID

DUSR changes Jm 1/7/10

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
1,2,4-Trimethylbenzene	~~ND~~ 10	~~12~~	J	µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,2-Dichlorobenzene	~~ND~~	~~12~~	R	µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,3,5-Trimethylbenzene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,3-Dichlorobenzene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,4-Dichlorobenzene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,4-Dioxane	ND	250		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Methyl tert-butyl ether	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
n-Butylbenzene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
n-Propylbenzene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
sec-Butylbenzene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
tert-Butylbenzene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Chloromethane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Vinyl chloride	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Bromomethane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Chloroethane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Acetone	50	25	B	µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,1-Dichloroethene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Carbon disulfide	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Methylene chloride	94	12	B	µg/Kg-dry	2	10/8/2009 6:14:00 PM
trans-1,2-Dichloroethene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,1-Dichloroethane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
2-Butanone	ND	25		µg/Kg-dry	2	10/8/2009 6:14:00 PM
cis-1,2-Dichloroethene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Chloroform	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,1,1-Trichloroethane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Carbon tetrachloride	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Benzene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,2-Dichloroethane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Trichloroethene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,2-Dichloropropane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Bromodichloromethane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
4-Methyl-2-pentanone	ND	25		µg/Kg-dry	2	10/8/2009 6:14:00 PM
cis-1,3-Dichloropropene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Toluene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
trans-1,3-Dichloropropene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,1,2-Trichloroethane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
2-Hexanone	ND	25		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Tetrachloroethene	~~79~~ 87	~~12~~	J	µg/Kg-dry	2	10/8/2009 6:14:00 PM
Dibromochloromethane	~~ND~~	~~12~~	R	µg/Kg-dry	2	10/8/2009 6:14:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT:	NYSDEC - Region 6	**Client Sample ID:**	SB-5(6-7ft)
Lab Order:	U0909490	**Collection Date:**	9/25/2009 8:30:00 AM
Project:	Whitesboro Dry Cleaners, Site #633054		
Lab ID:	U0909490-010	**Matrix:**	SOLID

DUSR change 1/7/10

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
Chlorobenzene	ND	~~12~~	R	µg/Kg-dry	2	10/8/2009 6:14:00 PM
Ethylbenzene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
m,p-Xylene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
o-Xylene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Styrene	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
Bromoform	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM
1,1,2,2-Tetrachloroethane	ND	12		µg/Kg-dry	2	10/8/2009 6:14:00 PM

NOTES:
Sample reanalyzed over the holding time; original analysis was within the holding time.
The reporting limits were raised due to matrix interference.
Low quality control recoveries were observed in other analyses of this sample.
B - This analyte was observed in the Method Blank and is assumed to be laboratory contamination.
TICS: No compounds were detected.

PERCENT MOISTURE			**D2216**			Analyst: **VAW**
Percent Moisture	19.1	0.00100		wt%	1	9/29/2009

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-6(2-3ft)
Lab Order: U0909490
Collection Date: 9/25/2009 9:10:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-011 DUSR change 1/7/10 JM
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL			**SW8260B**			Analyst: **LEF**
1,2,4-Trimethylbenzene	~~ND~~	~~3000~~	R	µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,2-Dichlorobenzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,3,5-Trimethylbenzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,3-Dichlorobenzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,4-Dichlorobenzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,4-Dioxane	ND	61000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Methyl tert-butyl ether	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
n-Butylbenzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
n-Propylbenzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
sec-Butylbenzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
tert-Butylbenzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Chloromethane	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Vinyl chloride	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Bromomethane	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Chloroethane	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Acetone	ND	6100		µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,1-Dichloroethene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Carbon disulfide	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Methylene chloride	ND 29	~~3000~~	BWJ	µg/Kg-dry	500	10/9/2009 12:11:00 PM
trans-1,2-Dichloroethene	85 ~~ND~~	3000	J	µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,1-Dichloroethane	~~ND~~	~~3000~~	R	µg/Kg-dry	500	10/9/2009 12:11:00 PM
2-Butanone	~~ND~~	~~6100~~	R	µg/Kg-dry	500	10/9/2009 12:11:00 PM
cis-1,2-Dichloroethene	1300 ~~1000~~	~~3000~~	J	µg/Kg-dry	500	10/9/2009 12:11:00 PM
Chloroform	~~ND~~	~~3000~~	R	µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,1,1-Trichloroethane	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Carbon tetrachloride	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Benzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,2-Dichloroethane	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Trichloroethene	3300	3000	J	µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,2-Dichloropropane	~~ND~~	~~3000~~	R	µg/Kg-dry	500	10/9/2009 12:11:00 PM
Bromodichloromethane	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
4-Methyl-2-pentanone	ND	6100		µg/Kg-dry	500	10/9/2009 12:11:00 PM
cis-1,3-Dichloropropene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Toluene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
trans-1,3-Dichloropropene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,1,2-Trichloroethane	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
2-Hexanone	ND	6100		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Tetrachloroethene	41000	3000	J	µg/Kg-dry	500	10/9/2009 12:11:00 PM
Dibromochloromethane	~~ND~~	~~3000~~	R	µg/Kg-dry	500	10/9/2009 12:11:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-6(2-3ft)
Lab Order: U0909490
Collection Date: 9/25/2009 9:10:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-011 DUSR change fm 1/7/10 **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
Chlorobenzene	~~ND~~	~~3000~~	R	µg/Kg-dry	500	10/9/2009 12:11:00 PM
Ethylbenzene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
m,p-Xylene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
o-Xylene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Styrene	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
Bromoform	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM
1,1,2,2-Tetrachloroethane	ND	3000		µg/Kg-dry	500	10/9/2009 12:11:00 PM

NOTES:
Sample reanalyzed over the holding time; original analysis was within the holding time.
TICS: No compounds were detected.
The reporting limits were raised due to the high concentration of target compounds.

PERCENT MOISTURE				**D2216**		Analyst: **VAW**
Percent Moisture	17.7	0.00100		wt%	1	9/29/2009

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-7(2-3ft)
Lab Order: U0909490
Collection Date: 9/25/2009 9:30:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-012
DUSR Changes 1/7/10
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL			**SW8260B**			Analyst: **LEF**
1,2,4-Trimethylbenzene	ND	11	UJ	µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,2-Dichlorobenzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,3,5-Trimethylbenzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,3-Dichlorobenzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,4-Dichlorobenzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,4-Dioxane	~~ND~~	~~230~~	R	µg/Kg-dry	2	10/8/2009 6:53:00 PM
Methyl tert-butyl ether	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
n-Butylbenzene	ND	11	UJ	µg/Kg-dry	2	10/8/2009 6:53:00 PM
n-Propylbenzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
sec-Butylbenzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
tert-Butylbenzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Chloromethane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Vinyl chloride	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Bromomethane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Chloroethane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Acetone	~~43~~	~~23~~	~~B~~ R	µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,1-Dichloroethene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Carbon disulfide	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Methylene chloride	~~84~~	~~11~~	12B U	µg/Kg-dry	2	10/8/2009 6:53:00 PM
trans-1,2-Dichloroethene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,1-Dichloroethane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
2-Butanone	~~ND~~	~~23~~	R	µg/Kg-dry	2	10/8/2009 6:53:00 PM
cis-1,2-Dichloroethene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Chloroform	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,1,1-Trichloroethane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Carbon tetrachloride	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Benzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,2-Dichloroethane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Trichloroethene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,2-Dichloropropane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Bromodichloromethane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
4-Methyl-2-pentanone	ND	23	UJ	µg/Kg-dry	2	10/8/2009 6:53:00 PM
cis-1,3-Dichloropropene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Toluene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
trans-1,3-Dichloropropene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,1,2-Trichloroethane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
2-Hexanone	ND	23	UJ	µg/Kg-dry	2	10/8/2009 6:53:00 PM
Tetrachloroethene	45 ~~23~~	~~11~~		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Dibromochloromethane	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-7(2-3ft)
Lab Order: U0909490
Collection Date: 9/25/2009 9:30:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-012 DUSR changes
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
Chlorobenzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Ethylbenzene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
m,p-Xylene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
o-Xylene	ND	11		µg/Kg-dry	2	10/8/2009 6:53:00 PM
Styrene	ND	11	UJ	µg/Kg-dry	2	10/8/2009 6:53:00 PM
Bromoform	ND	11	↓	µg/Kg-dry	2	10/8/2009 6:53:00 PM
1,1,2,2-Tetrachloroethane	ND	11	↓	µg/Kg-dry	2	10/8/2009 6:53:00 PM

NOTES:
B - This analyte was observed in the Method Blank and is assumed to be laboratory contamination.
Sample reanalyzed over the holding time; original analysis was within the holding time.
The reporting limits were raised due to matrix interference.
TICS: No compounds were detected.
Low quality control recoveries were observed in other analyses of this sample.

PERCENT MOISTURE			**D2216**			Analyst: **VAW**
Percent Moisture	12.9	0.00100		wt%	1	9/29/2009

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-8(2.5-3ft)
Lab Order: U0909490
Collection Date: 9/25/2009 11:50:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-013 DUSR Changes
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
1,2,4-Trimethylbenzene	ND	570 580	U	µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,2-Dichlorobenzene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,3,5-Trimethylbenzene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,3-Dichlorobenzene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,4-Dichlorobenzene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,4-Dioxane	~~ND~~	~~12000~~	R	µg/Kg-dry	100	10/7/2009 10:33:00 PM
Methyl tert-butyl ether	ND	580	U	µg/Kg-dry	100	10/7/2009 10:33:00 PM
n-Butylbenzene	ND	570 ~~580~~	UJ	µg/Kg-dry	100	10/7/2009 10:33:00 PM
n-Propylbenzene	ND	580	U	µg/Kg-dry	100	10/7/2009 10:33:00 PM
sec-Butylbenzene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
tert-Butylbenzene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Chloromethane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Vinyl chloride	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Bromomethane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Chloroethane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Acetone	~~ND~~	~~1200~~	R	µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,1-Dichloroethene	ND	570 580	U	µg/Kg-dry	100	10/7/2009 10:33:00 PM
Carbon disulfide	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Methylene chloride	ND	570 ~~580~~	BU	µg/Kg-dry	100	10/7/2009 10:33:00 PM
trans-1,2-Dichloroethene	ND	570 580	U	µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,1-Dichloroethane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
2-Butanone	~~ND~~	~~1200~~	R	µg/Kg-dry	100	10/7/2009 10:33:00 PM
cis-1,2-Dichloroethene	ND	570 580	U	µg/Kg-dry	100	10/7/2009 10:33:00 PM
Chloroform	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,1,1-Trichloroethane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Carbon tetrachloride	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Benzene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,2-Dichloroethane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Trichloroethene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,2-Dichloropropane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Bromodichloromethane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
4-Methyl-2-pentanone	ND	1100 ~~1200~~	UJ	µg/Kg-dry	100	10/7/2009 10:33:00 PM
cis-1,3-Dichloropropene	ND	570 580	U	µg/Kg-dry	100	10/7/2009 10:33:00 PM
Toluene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
trans-1,3-Dichloropropene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,1,2-Trichloroethane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
2-Hexanone	ND	1100 ~~1200~~	UJ	µg/Kg-dry	100	10/7/2009 10:33:00 PM
Tetrachloroethene	530 ~~500~~	570 580	J	µg/Kg-dry	100	10/7/2009 10:33:00 PM
Dibromochloromethane	ND	580	U	µg/Kg-dry	100	10/7/2009 10:33:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: SB-8(2.5-3ft)
Lab Order: U0909490
Collection Date: 9/25/2009 11:50:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-013 DUSR changes
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
Chlorobenzene	ND	570 580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Ethylbenzene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
m,p-Xylene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
o-Xylene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Styrene	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
Bromoform	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
1,1,2,2-Tetrachloroethane	ND	580		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: 1-Ethyl-4-methylcyclohexane	680	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: 1-Methyldecahydronaphthalene	830	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: Adamantane	600	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: Adamantane, 1-chloro-	1100	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: Cyclohexane, 1,1,3-trimethyl-	1500	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: Naphthalene, decahydro-	1200	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: Naphthalene, decahydro-2-methyl-	830	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: unknown (20.52)	620	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: unknown (22.59)	710	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: unknown (23.08)	760	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: unknown (27.51)	1400	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM
TIC: unknown (28.27)	1300	0		µg/Kg-dry	100	10/7/2009 10:33:00 PM

NOTES:
The reporting limits were raised due to matrix interference.
Petroleum hydrocarbon pattern detected.

PERCENT MOISTURE				**D2216**		Analyst: **VAW**
Percent Moisture	13.3	0.00100		wt%	1	9/29/2009

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: Dup-2
Lab Order: U0909490
Collection Date: 9/25/2009 8:10:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-014 DUSR changes/hw 1/7/10
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL				**SW8260B**		Analyst: **LEF**
1,2,4-Trimethylbenzene	14000	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,2-Dichlorobenzene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,3,5-Trimethylbenzene	5400 ~~5300~~	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,3-Dichlorobenzene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,4-Dichlorobenzene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,4-Dioxane	~~ND~~	~~13000~~	R	µg/Kg-dry	100	10/7/2009 11:11:00 PM
Methyl tert-butyl ether	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
n-Butylbenzene	2700	660	J	µg/Kg-dry	100	10/7/2009 11:11:00 PM
n-Propylbenzene	640 ~~ND~~	660	J	µg/Kg-dry	100	10/7/2009 11:11:00 PM
sec-Butylbenzene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
tert-Butylbenzene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Chloromethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Vinyl chloride	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Bromomethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Chloroethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Acetone	~~ND~~	~~1300~~	R	µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,1-Dichloroethene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Carbon disulfide	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Methylene chloride	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
trans-1,2-Dichloroethene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,1-Dichloroethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
2-Butanone	~~ND~~	~~1300~~	R	µg/Kg-dry	100	10/7/2009 11:11:00 PM
cis-1,2-Dichloroethene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Chloroform	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,1,1-Trichloroethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Carbon tetrachloride	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Benzene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,2-Dichloroethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Trichloroethene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,2-Dichloropropane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Bromodichloromethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
4-Methyl-2-pentanone	ND	1300	UJ	µg/Kg-dry	100	10/7/2009 11:11:00 PM
cis-1,3-Dichloropropene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Toluene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
trans-1,3-Dichloropropene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,1,2-Trichloroethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
2-Hexanone	ND	1300	UJ	µg/Kg-dry	100	10/7/2009 11:11:00 PM
Tetrachloroethene	540 ~~500~~	660	J	µg/Kg-dry	100	10/7/2009 11:11:00 PM
Dibromochloromethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Client Sample ID: Dup-2
Lab Order: U0909490
Collection Date: 9/25/2009 8:10:00 AM
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-014
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE SOIL			**SW8260B**			Analyst: **LEF**
Chlorobenzene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Ethylbenzene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
m,p-Xylene	1000	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
o-Xylene	810	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Styrene	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
Bromoform	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
1,1,2,2-Tetrachloroethane	ND	660		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: 1-Ethyl-4-methylcyclohexane	1800	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: 1H-Indene, 2,3-dihydro-1,1-dimethyl-	4000	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: 1H-Indene, 2,3-dihydro-4-methyl-	1900	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Benzene, (1-methyl-1-butenyl)-	3900	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Benzene, 1,2,3,4-tetramethyl-	2300	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Benzene, 1,2,3,5-tetramethyl-	4200	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Benzene, 1-ethyl-2-methyl-	6400	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Benzene, 1-methyl-2-(1-methylethyl)-	3200	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Benzene, 1-methyl-3-propyl-	3500	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Benzene, 1-methyl-4-(1-methylpropyl)-	2200	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Benzene, 2-ethenyl-1,4-dimethyl-	2300	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Cyclohexane, 1,3-dimethyl-, cis-	2400	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Cyclohexane, ethyl-	4100	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Cyclohexane, methyl-	2100	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Indan, 1-methyl-	2200	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Nonane	5800	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Nonane, 4-methyl-	1800	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Octane	2400	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: Octane, 2-methyl-	2400	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM
TIC: unknown	2100	0		µg/Kg-dry	100	10/7/2009 11:11:00 PM

NOTES:
The reporting limits were raised due to the high concentration of target compounds.

PERCENT MOISTURE			**D2216**			Analyst: **VAW**
Percent Moisture	23.9	0.00100		wt%	1	9/29/2009

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Lab Order: U0909490
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-015

Client Sample ID: Holding Blank-Water
Collection Date: 9/29/2009 11:55:00 AM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			**SW8260B**			Analyst: **LEF**
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,4-Dioxane	ND	100		µg/L	1	10/7/2009 8:02:00 AM
Cyclohexane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Dichlorodifluoromethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Freon-113	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Methyl Acetate	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Methylcyclohexane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
n-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
n-Propylbenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
sec-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
tert-Butylbenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Chloromethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Vinyl chloride	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Bromomethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Chloroethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Acetone	ND	10		µg/L	1	10/7/2009 8:02:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Carbon disulfide	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Methylene chloride	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
2-Butanone	ND	10		µg/L	1	10/7/2009 8:02:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Chloroform	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Benzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Trichloroethene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM

Approved By: **Date:**

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Lab Order: U0909490
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-015

Client Sample ID: Holding Blank-Water
Collection Date: 9/29/2009 11:55:00 AM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2-Dichloropropane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/7/2009 8:02:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Toluene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
2-Hexanone	ND	10		µg/L	1	10/7/2009 8:02:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Chlorobenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Ethylbenzene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
m,p-Xylene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
o-Xylene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Styrene	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
Bromoform	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/7/2009 8:02:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Lab Order: U0909490
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-016

Client Sample ID: Holding Blank-Solid
Collection Date: 9/29/2009 11:55:00 AM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			**SW8260B**			Analyst: **LEF**
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,4-Dioxane	ND	100		µg/L	1	10/8/2009 4:21:00 AM
Cyclohexane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Dichlorodifluoromethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Freon-113	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Methyl Acetate	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Methylcyclohexane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
n-Butylbenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
n-Propylbenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
sec-Butylbenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
tert-Butylbenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Chloromethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Vinyl chloride	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Bromomethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Chloroethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Acetone	ND	10		µg/L	1	10/8/2009 4:21:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Carbon disulfide	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Methylene chloride	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
2-Butanone	ND	10		µg/L	1	10/8/2009 4:21:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Chloroform	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Benzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Trichloroethene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM

Approved By: **Date:**

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Oct-09*

CLIENT: NYSDEC - Region 6
Lab Order: U0909490
Project: Whitesboro Dry Cleaners, Site #633054
Lab ID: U0909490-016

Client Sample ID: Holding Blank-Solid
Collection Date: 9/29/2009 11:55:00 AM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				**SW8260B**		Analyst: **LEF**
1,2-Dichloropropane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/8/2009 4:21:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Toluene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
2-Hexanone	ND	10		µg/L	1	10/8/2009 4:21:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Chlorobenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Ethylbenzene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
m,p-Xylene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
o-Xylene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Styrene	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
Bromoform	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/8/2009 4:21:00 AM

Approved By: _____ **Date:** _____

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

6034 Corporate Drive E. Syracuse New York 13057
(315) 437 0255 Fax 437 1209

Chain of Custody Record

QC Format **Category B** SITE/SPILL # 633054 ULI Computer Input Form

Office use only
Approved date:

Client: NYSDEC-6 (WATERTOWN)
NYSDEC Region 6/OP-TECH

Project #/ Project Name: SD600476 WHITESBORO DRY CLEANERS SITE

Client Contact: Lincoln Fancher
Phone #: (315) 785-2513
Location (city/state) Address: 130 ORISKANY BLVD. WHITESBORO NY
317 Washington St, Watertown, NY 13601

Sample ID	Date	Time	Matrix	GRAB or COMP	ULI Internal Use Only U09049490	No. of Containers	TCL VOCs wa 1)	TCL VOCs (so 2)	PMOIST 3)	4)	5)	6)	7)	8)	9)	10)
SB-1(8-12')	9/25/2009	10:30	GW	G	1	2	x									
SB-7(8-12')+MS/MSD	9/25/2009	10:40	GW	G	2	5	x									
SB-8(8-12')	9/25/2009	12:30	GW	G	3	2	x									
DUP-1	9/25/2009	8:00	GW	G	4	2	x									
trip blank	(9-25-09)		W		5	1	x									
SB-1(1.5-2')	9/24/2009	1010	SD	G	6	1		x	X							
SB-2(2-3')	9/24/2009	1215	SD	G	7	1		x	X							
SB-3(1.5-2')	9/24/2009	1335	SD	G	8	1		x	X							
SB-4(2-3')	9/24/2009	1430	SD	G	9	1		x	X							
SB-5(6-7')	9/25/2009	830	SD	G	10	1		x	X							
SB-6(2-3')	9/25/2009	910	SD	G	11	1		x	X							
SB-7(2-3')	9/25/2009	930	SD	G	12	1		x	X							
SB-8(2.5-3')	9/25/2009	1150	SD	G	13	1		x	X							
DUP-2	9/25/2009	810	SD	G	14	1		x	X							
(Holding Blank-Water)	(9-29-09)	(1155)	(Water)	(grab)	15	1	(X)									
(Holding Blank-Solid)	(9-29-09)	1155	Water	(grab)	16	1	(X)									

Parameter and Method	Sample bottle:	Type	Size	Preservative
1) TCL VOCs by 8260		vial	40 mL	HCl
2) TCL VOCs by 8260		glass	4 oz	none
3) PERCENT MOISTURE				

Sampled by (Print): Lynette Mokry
Company: OP-TECH

Remarks
Please e-mail results to:
lbfanche@gw.dec.state.ny.us
mokryl@op-tech.us
ASP-CATEGORY B
PID headspace 3260 ppm

Name of Courier

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
Lynette Mokry	9/25/09	5:50	Phyllis Abare

Syracuse Rochester Buffalo Albany Binghamton New Jersey

EXHIBIT B
NYSDEC EMERGING CONTAMINANTS SAMPLING DOCUMENTATION

Emerging Contaminant Sampling Initiative
EC Form 1: Initial Groundwater Sampling Results Evaluation

Site Name: Whitesboro Dry Cleaners Site ID: 633054

Date(s) Sampled: 04/11/2019 Class: 02

Number of Monitoring Wells: 3 (attach figure showing sampling locations)

Groundwater Screening

Chemical	Screening level (DWQC Recommended MCL)	Max. concentration detected	Check box if level exceeded
1,4-dioxane in groundwater	1 ug/L (ppb)	0.16 ug/L (ppb)	☐
PFOA in groundwater	10 ng/L (ppt)	60 ng/L (ppt)	☑
PFOS in groundwater	10 ng/L (ppt)	68 ng/L (ppt)	☑
Awareness			
Other PFAS (**not** PFOA/PFOS)	Any one compound over 100 ng/L	59 ng/L	☐
Total PFAS (incl. PFOA/PFOS)	Total concentration over 500 ng/L	288.7 ng/L	☐

STOP here if no screening levels are exceeded. No further action required at this time.

Proximity to Water Supplies

Water supply type	Any wells within ½ mile of site?	Distance (ft)	Method(s) used to confirm water supply well locations
Public well(s)	No	N/A	ArcGIS; NYSDOH; Mohawk Valley Water District
Private well(s)	No	N/A	ArcGIS; NYSDOH; Mohawk Valley Water District

If water supply wells are confirmed within ½ mile of site, discuss need for sampling these supply wells with DOH. Create a *EC Water Supply Sampling* project in UIS to track drinking water sampling efforts as directed.

Apparent Source(s)

Chemical	Past use or storage of chemical on-site?	Describe reasons for suspecting apparent source(s)
1,4-dioxane	Unknown	Former drycleaning facility
PFAS	Unknown	Former drycleaning facility

If an apparent on-site source is suspected, incorporate further work into ongoing remedial program if possible.

Further action required at this time? ☑ **Yes** ☐ **No**

Use the box at the bottom of page 2 to summarize site-specific next steps or provide rationale for not recommending further action if screening levels are exceeded.

Project Manager

Section Chief

Bureau Director

Date Signed

Emerging Contaminant Sampling Initiative
EC Form 1: Initial Groundwater Sampling Results Evaluation

Checklist for Completing EC Form 1:

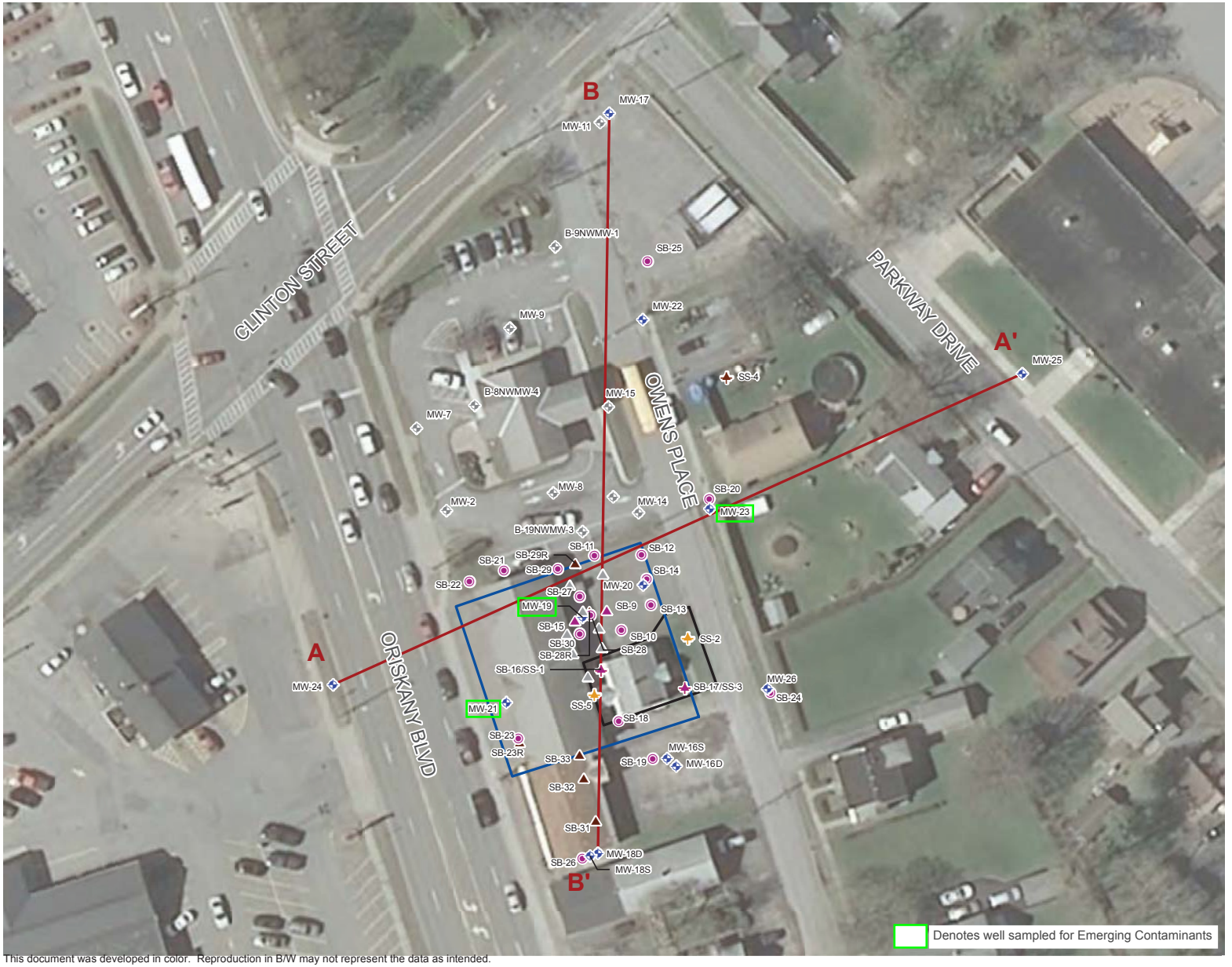
- [x] Did you include a value in "Maximum Level Detected" even if the screening levels were not exceeded?
- [x] Did you enter "ND" if nothing detected or "NA" if not analyzed?
- [x] Did you check your units (ug/L vs ng/L)?
- [x] Did you include PFOA & PFOS when totaling "Total PFAS"?
- [x] Did you check yes or no for "Is further action required at this time?"
- [x] Did you include "next steps", or provide justification for not recommending further action, if RMCLs are exceeded?
- [x] Did you attach a figure with sampling locations?
- [x] Did you attach emerging contaminant data? (not the full data package—only enough for all reviewers to double check that the form is filled out properly)
- [x] Did you read through the internal DER Emerging Contaminant website for guidance on what to do if you have exceedances?
- [x] Did you check with DOH-BEEI to help confirm the existence of public and private drinking water wells? DOH will handle communications with public water suppliers and local health departments.
- [x] Is the data in EQuIS?
- [x] Did you complete the UIS EC project current status per the internal DER Emerging Contaminant website?

This form is to be uploaded to DecDocs when completed. A copy of the signed form is to be sent to Caryn Bower (OGC) and Eric Hausamann (DER Bureau D/Sec D).

Site-specific next steps or rationale for not recommending further action

PFOA and PFOS were detected in groundwater at levels above the 10 ppt screening level. No public wells exist within a 1/2 mile of the site so no water supply sampling is warranted. However, since PFAS exceed the screening criteria the need for any remedial action to address ECs will be evaluated during the RI/FS phase which is ongoing.

FIGURE 3-2



This document was developed in color. Reproduction in B/W may not represent the data as intended.
Aerial photograph source Bing Maps.

This figure has been modified from the original purposes for NYSDEC's internal use. RKG.

N

LEGEND

- SITE 633054 (TAX PARCEL ZONED COMMERCIAL)
- RESIDENTIAL SUB-PARCEL
- CROSS SECTION

HISTORIC SAMPLE LOCATION

- MONITORING WELL
- SOIL BORING

RI SAMPLE LOCATION

- MONITORING WELL
- MIP
- SOIL BORING
- SURFACE SOIL
- SOIL BORING/SURFACE SOIL
- SOIL BORING/MIP
- SOIL BORING/SURFACE SOIL/MIP

NOTE:
- SB-19 is GPS located
- MIP - Menbrane Interface Probe
- SB-16 and SS-1 are in the same location

NYSDEC
WHITESBORO DRY CLEANERS
130-134 ORISKANY BLVD
WHITESBORO, NEW YORK
SITE NO.633054

SAMPLE LOCATIONS

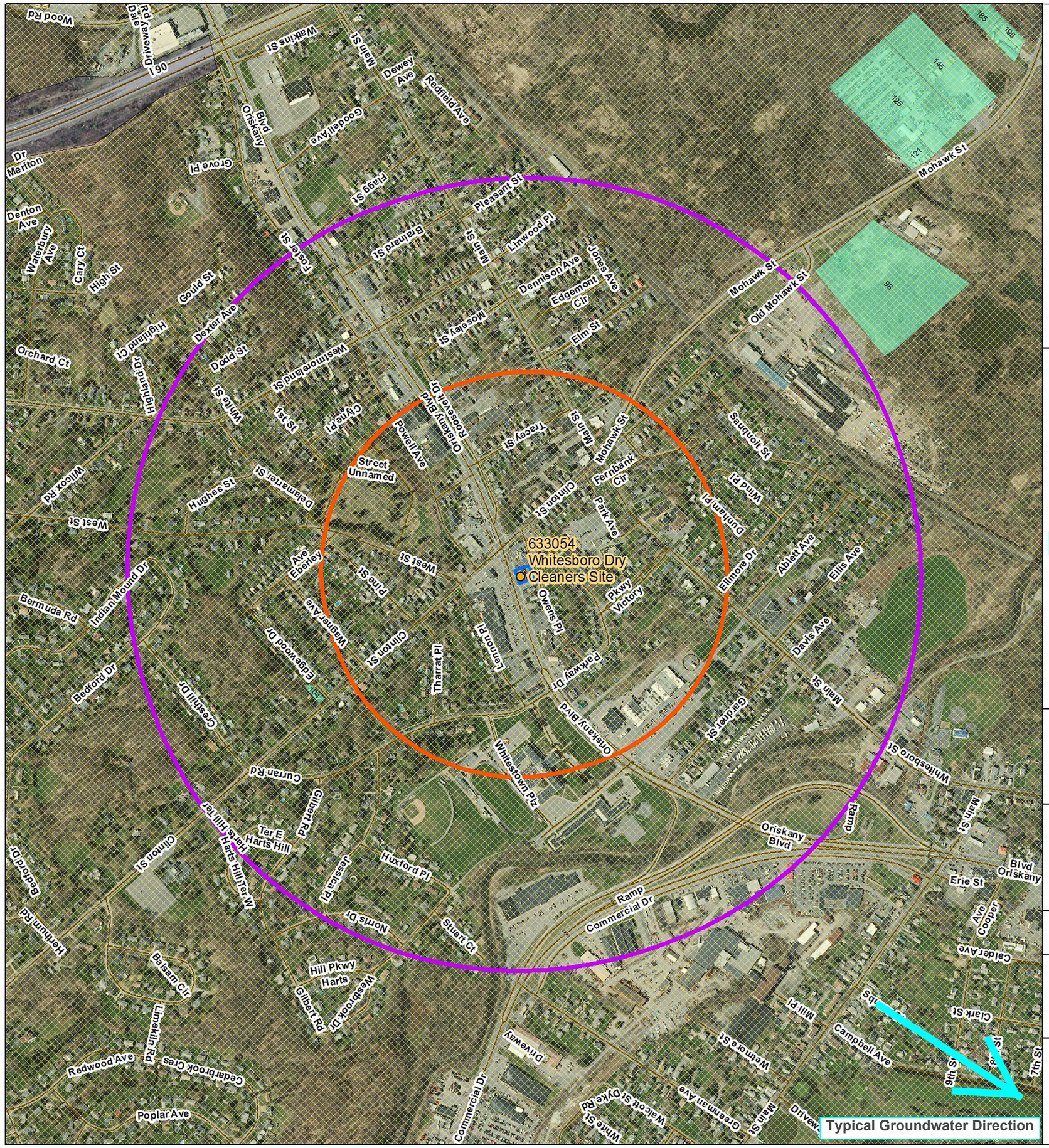
0 25 50 100
Feet

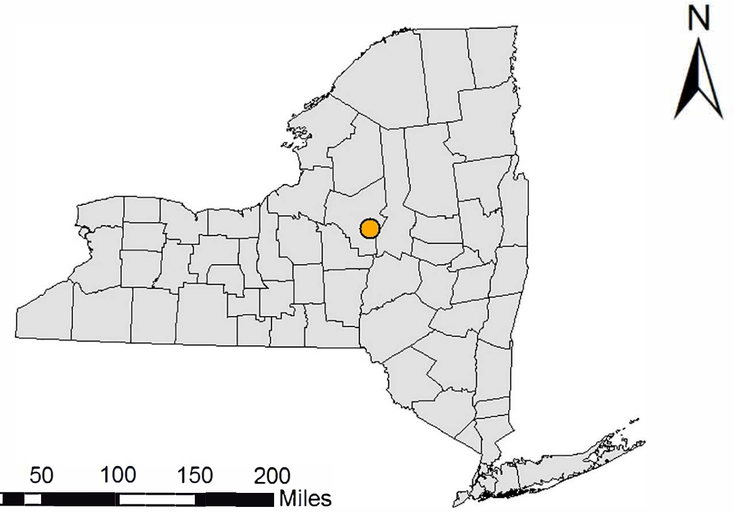
JULY 2017
8653.49631

O'BRIEN & GERE

Overall Groundwater Flow

PLOTDATE: 07/28/17 10:11:20 AM newtonjm
I:\Parsons-Eng.8653\49631.Whitesboro-Dry\Docs\DWG\GIS\MXD\RI\SAMPLE LOCATIONS.mxd





Legend

- Remediation Sites
- Public Wells
- Potential Private Wells
- Public Water Supply Service Areas
- Private Water Source Tax Parcel
- 1/4 Mile Buffer
- 1/2 Mile Buffer
- Site Border

0 0.25 0.5 Miles

1 inch = 500 feet

Region 6 Oneida County
Town of Whitestown

Whitesboro Dry Cleaners Site
#633054
Water Supply Map

Emerging Contaminant Sampling Initiative

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NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Date Created: 10/16/2019

Modified by RKG 12/12/19

Whitesboro Dry Cleaners Site

Statistic	Concentration	Units	Sample Source	Max non PFOS/PFOA compound
Maximum 1,4-Dioxane	0.16	ug/L	MW-19	
Maximum PFOA	60	ng/L	MW-19	
Maximum PFOS	68	ng/L	MW-19	
Maximum PFAS compound aside from PFOS/PFOA	59	ng/L	MW-19	Perfluoropentanoic Acid (PFPeA)
Total PFAS including PFOS and PFOA	288.7	ng/L	MW-19	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-151792-1
Client Project/Site: Whitesboro Dry Cleaners Site #633054

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Emmanuel O Babalola

Joseph V. Giacomazza

Authorized for release by:
5/3/2019 8:42:57 AM
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LINKS

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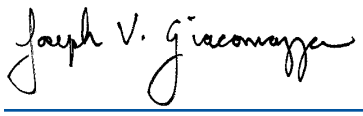
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
5/3/2019 8:42:57 AM

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-151792-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-151792-1

Receipt
The samples were received on 4/12/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8º C.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Client Sample ID: Upgradient
Lab Sample ID: 480-151792-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	5.8	J	8.3	2.6	ng/L	5		537 (modified)	Total/NA

Client Sample ID: Onsite
Lab Sample ID: 480-151792-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.16	J	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA
Perfluorobutanoic acid (PFBA)	6.8	J	8.7	4.4	ng/L	5		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.7		8.7	2.7	ng/L	5		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	15		8.7	3.3	ng/L	5		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		8.7	4.0	ng/L	5		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	58		8.7	2.7	ng/L	5		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.8	J	8.7	1.2	ng/L	5		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.6	J	8.7	2.1	ng/L	5		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	26		8.7	3.5	ng/L	5		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	66		8.7	2.7	ng/L	5		537 (modified)	Total/NA

Client Sample ID: Downgradient
Lab Sample ID: 480-151792-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.2	J	8.6	4.3	ng/L	5		537 (modified)	Total/NA

Client Sample ID: Field Duplicate
Lab Sample ID: 480-151792-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	3.8	J	8.3	2.6	ng/L	5		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Upgradient
Lab Sample ID: 480-151792-1

Date Collected: 04/11/19 12:20
Matrix: Water

Date Received: 04/12/19 01:00

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		04/12/19 15:15	04/17/19 04:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*15 - 110*	*04/12/19 15:15*	*04/17/19 04:26*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		8.3	4.1	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluoropentanoic acid (PFPeA)	ND		8.3	2.6	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorohexanoic acid (PFHxA)	ND		8.3	3.2	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluoroheptanoic acid (PFHpA)	ND		8.3	3.8	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorooctanoic acid (PFOA)	**5.8**	**J**	8.3	2.6	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorononanoic acid (PFNA)	ND		8.3	1.1	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorodecanoic acid (PFDA)	ND		8.3	3.2	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluoroundecanoic acid (PFUnA)	ND		8.3	2.2	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorododecanoic acid (PFDoA)	ND		8.3	2.4	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorotridecanoic acid (PFTriA)	ND		8.3	2.5	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorotetradecanoic acid (PFTeA)	ND		8.3	3.8	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorobutanesulfonic acid (PFBS)	ND		8.3	2.0	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorohexanesulfonic acid (PFHxS)	ND		8.3	3.3	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluoroheptanesulfonic Acid (PFHpS)	ND		8.3	3.9	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorodecanesulfonic acid (PFDS)	ND		8.3	3.7	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorooctanesulfonic acid (PFOS)	ND		8.3	2.5	ng/L		04/15/19 11:54	04/24/19 06:15	5
Perfluorooctanesulfonamide (FOSA)	ND		8.3	2.7	ng/L		04/15/19 11:54	04/24/19 06:15	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		83	7.1	ng/L		04/15/19 11:54	04/24/19 06:15	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		83	6.2	ng/L		04/15/19 11:54	04/24/19 06:15	5
6:2 FTS	ND		83	19	ng/L		04/15/19 11:54	04/24/19 06:15	5
8:2 FTS	ND		83	12	ng/L		04/15/19 11:54	04/24/19 06:15	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*58*		*25 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C4 PFBA	*102*		*25 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C5 PFPeA	*91*		*25 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C2 PFHxA	*83*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C4 PFHpA	*93*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C4 PFOA	*80*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C5 PFNA	*74*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C2 PFDA	*70*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C2 PFUnA	*73*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C2 PFDoA	*66*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C2 PFTeDA	*70*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C3 PFBS	*66*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
18O2 PFHxS	*90*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
13C4 PFOS	*67*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
d3-NMeFOSAA	*68*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
d5-NEtFOSAA	*67*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
M2-6:2 FTS	*116*		*25 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*
M2-8:2 FTS	*92*		*25 - 150*	*04/15/19 11:54*	*04/24/19 06:15*	*5*

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Client Sample ID: Onsite
Lab Sample ID: 480-151792-2
Date Collected: 04/11/19 10:35
Matrix: Water
Date Received: 04/12/19 01:00

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.16	J	0.20	0.10	ug/L		04/12/19 15:15	04/17/19 04:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*30*		*15 - 110*	*04/12/19 15:15*	*04/17/19 04:50*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.8	J	8.7	4.4	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluoropentanoic acid (PFPeA)	8.7		8.7	2.7	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorohexanoic acid (PFHxA)	15		8.7	3.3	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluoroheptanoic acid (PFHpA)	15		8.7	4.0	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorooctanoic acid (PFOA)	58		8.7	2.7	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorononanoic acid (PFNA)	3.8	J	8.7	1.2	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorodecanoic acid (PFDA)	ND		8.7	3.4	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluoroundecanoic acid (PFUnA)	ND		8.7	2.3	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorododecanoic acid (PFDoA)	ND		8.7	2.6	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorotridecanoic acid (PFTriA)	ND		8.7	2.6	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorotetradecanoic acid (PFTeA)	ND		8.7	4.0	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorobutanesulfonic acid (PFBS)	3.6	J	8.7	2.1	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorohexanesulfonic acid (PFHxS)	26		8.7	3.5	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluoroheptanesulfonic Acid (PFHpS)	ND		8.7	4.1	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorodecanesulfonic acid (PFDS)	ND		8.7	3.9	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorooctanesulfonic acid (PFOS)	66		8.7	2.7	ng/L		04/15/19 11:54	04/24/19 06:31	5
Perfluorooctanesulfonamide (FOSA)	ND		8.7	2.8	ng/L		04/15/19 11:54	04/24/19 06:31	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		87	7.4	ng/L		04/15/19 11:54	04/24/19 06:31	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		87	6.5	ng/L		04/15/19 11:54	04/24/19 06:31	5
6:2 FTS	ND		87	20	ng/L		04/15/19 11:54	04/24/19 06:31	5
8:2 FTS	ND		87	13	ng/L		04/15/19 11:54	04/24/19 06:31	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*73*		*25 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C4 PFBA	*41*		*25 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C5 PFPeA	*60*		*25 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C2 PFHxA	*60*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C4 PFHpA	*85*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C4 PFOA	*89*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C5 PFNA	*84*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C2 PFDA	*88*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C2 PFUnA	*91*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C2 PFDoA	*90*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C2 PFTeDA	*84*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C3 PFBS	*75*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
18O2 PFHxS	*90*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
13C4 PFOS	*78*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
d3-NMeFOSAA	*75*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
d5-NEtFOSAA	*81*		*50 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*
M2-6:2 FTS	*254*	*	*25 - 150*	*04/15/19 11:54*	*04/24/19 06:31*	*5*

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Client Sample ID: Onsite
Lab Sample ID: 480-151792-2
Date Collected: 04/11/19 10:35
Matrix: Water
Date Received: 04/12/19 01:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	120		25 - 150	04/15/19 11:54	04/24/19 06:31	5

Client Sample ID: Downgradient
Lab Sample ID: 480-151792-3
Date Collected: 04/11/19 11:15
Matrix: Water
Date Received: 04/12/19 01:00

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		04/12/19 15:15	04/17/19 00:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	31		15 - 110	04/12/19 15:15	04/17/19 00:51	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.2**	**J**	8.6	4.3	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluoropentanoic acid (PFPeA)	ND		8.6	2.7	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorohexanoic acid (PFHxA)	ND		8.6	3.3	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluoroheptanoic acid (PFHpA)	ND	F2	8.6	3.9	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorooctanoic acid (PFOA)	ND		8.6	2.7	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorononanoic acid (PFNA)	ND		8.6	1.2	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorodecanoic acid (PFDA)	ND	F2	8.6	3.3	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluoroundecanoic acid (PFUnA)	ND		8.6	2.3	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorododecanoic acid (PFDoA)	ND		8.6	2.5	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorotridecanoic acid (PFTriA)	ND		8.6	2.6	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorotetradecanoic acid (PFTeA)	ND		8.6	3.9	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorobutanesulfonic acid (PFBS)	ND	F1 F2	8.6	2.1	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorohexanesulfonic acid (PFHxS)	ND		8.6	3.4	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluoroheptanesulfonic Acid (PFHpS)	ND		8.6	4.1	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorodecanesulfonic acid (PFDS)	ND		8.6	3.9	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorooctanesulfonic acid (PFOS)	ND		8.6	2.6	ng/L		04/15/19 11:54	04/24/19 06:47	5
Perfluorooctanesulfonamide (FOSA)	ND	F2	8.6	2.7	ng/L		04/15/19 11:54	04/24/19 06:47	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		86	7.3	ng/L		04/15/19 11:54	04/24/19 06:47	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	F2	86	6.4	ng/L		04/15/19 11:54	04/24/19 06:47	5
6:2 FTS	ND	F2	86	20	ng/L		04/15/19 11:54	04/24/19 06:47	5
8:2 FTS	ND	F2	86	12	ng/L		04/15/19 11:54	04/24/19 06:47	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	59		25 - 150	04/15/19 11:54	04/24/19 06:47	5
13C4 PFBA	99		25 - 150	04/15/19 11:54	04/24/19 06:47	5
13C5 PFPeA	92		25 - 150	04/15/19 11:54	04/24/19 06:47	5
13C2 PFHxA	90		50 - 150	04/15/19 11:54	04/24/19 06:47	5
13C4 PFHpA	82		50 - 150	04/15/19 11:54	04/24/19 06:47	5
13C4 PFOA	93		50 - 150	04/15/19 11:54	04/24/19 06:47	5
13C5 PFNA	80		50 - 150	04/15/19 11:54	04/24/19 06:47	5
13C2 PFDA	78		50 - 150	04/15/19 11:54	04/24/19 06:47	5
13C2 PFUnA	81		50 - 150	04/15/19 11:54	04/24/19 06:47	5
13C2 PFDoA	81		50 - 150	04/15/19 11:54	04/24/19 06:47	5
13C2 PFTeDA	68		50 - 150	04/15/19 11:54	04/24/19 06:47	5

Client Sample ID: Downgradient
Lab Sample ID: 480-151792-3
Date Collected: 04/11/19 11:15
Matrix: Water
Date Received: 04/12/19 01:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	41	*	50 - 150	04/15/19 11:54	04/24/19 06:47	5
18O2 PFHxS	99		50 - 150	04/15/19 11:54	04/24/19 06:47	5
13C4 PFOS	82		50 - 150	04/15/19 11:54	04/24/19 06:47	5
d3-NMeFOSAA	74		50 - 150	04/15/19 11:54	04/24/19 06:47	5
d5-NEtFOSAA	84		50 - 150	04/15/19 11:54	04/24/19 06:47	5
M2-6:2 FTS	133		25 - 150	04/15/19 11:54	04/24/19 06:47	5
M2-8:2 FTS	78		25 - 150	04/15/19 11:54	04/24/19 06:47	5

Client Sample ID: Field Duplicate
Lab Sample ID: 480-151792-4
Date Collected: 04/11/19 00:00
Matrix: Water
Date Received: 04/12/19 01:00

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		04/12/19 15:15	04/17/19 05:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 110	04/12/19 15:15	04/17/19 05:13	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		8.3	4.2	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluoropentanoic acid (PFPeA)	ND		8.3	2.6	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorohexanoic acid (PFHxA)	ND		8.3	3.2	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluoroheptanoic acid (PFHpA)	ND		8.3	3.8	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorooctanoic acid (PFOA)	**3.8**	**J**	8.3	2.6	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorononanoic acid (PFNA)	ND		8.3	1.1	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorodecanoic acid (PFDA)	ND		8.3	3.2	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluoroundecanoic acid (PFUnA)	ND		8.3	2.2	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorododecanoic acid (PFDoA)	ND		8.3	2.5	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorotridecanoic acid (PFTriA)	ND		8.3	2.5	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorotetradecanoic acid (PFTeA)	ND		8.3	3.8	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorobutanesulfonic acid (PFBS)	ND		8.3	2.0	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorohexanesulfonic acid (PFHxS)	ND		8.3	3.3	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluoroheptanesulfonic Acid (PFHpS)	ND		8.3	4.0	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorodecanesulfonic acid (PFDS)	ND		8.3	3.7	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorooctanesulfonic acid (PFOS)	ND		8.3	2.5	ng/L		04/15/19 11:54	04/24/19 07:35	5
Perfluorooctanesulfonamide (FOSA)	ND		8.3	2.7	ng/L		04/15/19 11:54	04/24/19 07:35	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		83	7.1	ng/L		04/15/19 11:54	04/24/19 07:35	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		83	6.2	ng/L		04/15/19 11:54	04/24/19 07:35	5
6:2 FTS	ND		83	19	ng/L		04/15/19 11:54	04/24/19 07:35	5
8:2 FTS	ND		83	12	ng/L		04/15/19 11:54	04/24/19 07:35	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	56		25 - 150	04/15/19 11:54	04/24/19 07:35	5
13C4 PFBA	76		25 - 150	04/15/19 11:54	04/24/19 07:35	5
13C5 PFPeA	63		25 - 150	04/15/19 11:54	04/24/19 07:35	5
13C2 PFHxA	78		50 - 150	04/15/19 11:54	04/24/19 07:35	5
13C4 PFHpA	71		50 - 150	04/15/19 11:54	04/24/19 07:35	5

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Client Sample ID: Field Duplicate
Lab Sample ID: 480-151792-4
Date Collected: 04/11/19 00:00
Matrix: Water
Date Received: 04/12/19 01:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	81		50 - 150	04/15/19 11:54	04/24/19 07:35	5
13C5 PFNA	71		50 - 150	04/15/19 11:54	04/24/19 07:35	5
13C2 PFDA	67		50 - 150	04/15/19 11:54	04/24/19 07:35	5
13C2 PFUnA	71		50 - 150	04/15/19 11:54	04/24/19 07:35	5
13C2 PFDoA	63		50 - 150	04/15/19 11:54	04/24/19 07:35	5
13C2 PFTeDA	61		50 - 150	04/15/19 11:54	04/24/19 07:35	5
13C3 PFBS	59		50 - 150	04/15/19 11:54	04/24/19 07:35	5
18O2 PFHxS	64		50 - 150	04/15/19 11:54	04/24/19 07:35	5
13C4 PFOS	60		50 - 150	04/15/19 11:54	04/24/19 07:35	5
d3-NMeFOSAA	66		50 - 150	04/15/19 11:54	04/24/19 07:35	5
d5-NEtFOSAA	71		50 - 150	04/15/19 11:54	04/24/19 07:35	5
M2-6:2 FTS	101		25 - 150	04/15/19 11:54	04/24/19 07:35	5
M2-8:2 FTS	81		25 - 150	04/15/19 11:54	04/24/19 07:35	5

Isotope Dilution Summary

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)
		DXE
Lab Sample ID	Client Sample ID	(15-110)
480-151792-1	Upgradient	31
480-151792-2	Onsite	30
480-151792-3	Downgradient	31
480-151792-3 MS	Downgradient	26
480-151792-3 MSD	Downgradient	30
480-151792-4	Field Duplicate	30
LCS 480-467732/2-A	Lab Control Sample	33
MB 480-467732/1-A	Method Blank	35

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFOSA	PFBA	PFPeA	PFHxA	PFHpA	PFOA	PFNA	PFDA
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)
480-151792-1	Upgradient	58	102	91	83	93	80	74	70
480-151792-2	Onsite	73	41	60	60	85	89	84	88
480-151792-3	Downgradient	59	99	92	90	82	93	80	78
480-151792-3 MS	Downgradient	54	95	77	84	92	89	77	76
480-151792-3 MSD	Downgradient	44	93	74	75	71	81	73	62
480-151792-4	Field Duplicate	56	76	63	78	71	81	71	67
LCS 200-141967/2-A	Lab Control Sample	60	79	95	90	87	95	89	90
MB 200-141967/1-A	Method Blank	62	66	90	94	86	95	92	95

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFUnA	PFDoA	PFTDA	13C3-PFBS	PFHxS	PFOS	-NMeFOSA	5-NEtFOSA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)
480-151792-1	Upgradient	73	66	70	66	90	67	68	67
480-151792-2	Onsite	91	90	84	75	90	78	75	81
480-151792-3	Downgradient	81	81	68	41 *	99	82	74	84
480-151792-3 MS	Downgradient	74	69	61	118	68	62	66	75
480-151792-3 MSD	Downgradient	64	65	51	51	53	70	54	57
480-151792-4	Field Duplicate	71	63	61	59	64	60	66	71
LCS 200-141967/2-A	Lab Control Sample	94	86	82	95	88	84	83	85
MB 200-141967/1-A	Method Blank	96	87	85	88	73	84	81	92

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		M262FTS	M282FTS
Lab Sample ID	Client Sample ID	(25-150)	(25-150)
480-151792-1	Upgradient	116	92
480-151792-2	Onsite	254 *	120
480-151792-3	Downgradient	133	78
480-151792-3 MS	Downgradient	114	83
480-151792-3 MSD	Downgradient	96	53
480-151792-4	Field Duplicate	101	81
LCS 200-141967/2-A	Lab Control Sample	124	110
MB 200-141967/1-A	Method Blank	115	109

Surrogate Legend

Isotope Dilution Summary

Client: New York State D.E.C.

Job ID: 480-151792-1

Project/Site: Whitesboro Dry Cleaners Site #633054

PFOSA = 13C8 FOSA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
PFHpA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
13C3-PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
d3-NMeFOSAA = d3-NMeFOSAA
d5-NEtFOSAA = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-467732/1-A
Matrix: Water
Analysis Batch: 468234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 467732

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		04/12/19 15:15	04/16/19 22:03	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*04/12/19 15:15*	*04/16/19 22:03*	*1*

Lab Sample ID: LCS 480-467732/2-A
Matrix: Water
Analysis Batch: 468234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 467732

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.00	1.08		ug/L		108	40 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*33*		*15 - 110*

Lab Sample ID: 480-151792-3 MS
Matrix: Water
Analysis Batch: 468234

Client Sample ID: Downgradient
Prep Type: Total/NA
Prep Batch: 467732

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND		1.00	1.09		ug/L		109	40 - 140

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*26*		*15 - 110*

Lab Sample ID: 480-151792-3 MSD
Matrix: Water
Analysis Batch: 468234

Client Sample ID: Downgradient
Prep Type: Total/NA
Prep Batch: 467732

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	ND		1.00	1.09		ug/L		109	40 - 140	0	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*30*		*15 - 110*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-141967/1-A
Matrix: Water
Analysis Batch: 142271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.0	1.0	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.63	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.76	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.91	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.63	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.77	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.53	ng/L		04/15/19 11:54	04/24/19 04:56	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-141967/1-A
Matrix: Water
Analysis Batch: 142271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 141967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.59	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.60	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.92	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.49	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.95	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.90	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.61	ng/L		04/15/19 11:54	04/24/19 04:56	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.64	ng/L		04/15/19 11:54	04/24/19 04:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	1.7	ng/L		04/15/19 11:54	04/24/19 04:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.5	ng/L		04/15/19 11:54	04/24/19 04:56	1
6:2 FTS	ND		20	4.6	ng/L		04/15/19 11:54	04/24/19 04:56	1
8:2 FTS	ND		20	2.9	ng/L		04/15/19 11:54	04/24/19 04:56	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*62*		*25 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C4 PFBA	*66*		*25 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C5 PFPeA	*90*		*25 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C2 PFHxA	*94*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C4 PFHpA	*86*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C4 PFOA	*95*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C5 PFNA	*92*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C2 PFDA	*95*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C2 PFUnA	*96*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C2 PFDoA	*87*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C2 PFTeDA	*85*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C3 PFBS	*88*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
18O2 PFHxS	*73*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
13C4 PFOS	*84*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
d3-NMeFOSAA	*81*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
d5-NEtFOSAA	*92*		*50 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
M2-6:2 FTS	*115*		*25 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*
M2-8:2 FTS	*109*		*25 - 150*	*04/15/19 11:54*	*04/24/19 04:56*	*1*

Lab Sample ID: LCS 200-141967/2-A
Matrix: Water
Analysis Batch: 142271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	33.5		ng/L		84	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	34.0		ng/L		85	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	38.2		ng/L		96	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	35.8		ng/L		89	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	35.8		ng/L		90	70 - 130
Perfluorononanoic acid (PFNA)	40.0	35.8		ng/L		90	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	38.5		ng/L		96	70 - 130

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-141967/2-A
Matrix: Water
Analysis Batch: 142271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 141967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroundecanoic acid (PFUnA)	40.0	36.4		ng/L		91	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	33.9		ng/L		85	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	34.8		ng/L		87	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	36.0		ng/L		90	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	31.4		ng/L		89	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	30.7		ng/L		84	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	37.4		ng/L		98	50 - 150
Perfluorodecanesulfonic acid (PFDS)	38.6	34.9		ng/L		91	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	36.5		ng/L		98	70 - 130
Perfluorooctanesulfonamide (FOSA)	40.0	36.9		ng/L		92	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	33.6		ng/L		84	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.5		ng/L		99	70 - 130
6:2 FTS	37.9	35.5		ng/L		94	50 - 150
8:2 FTS	38.3	30.9		ng/L		81	50 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C8 FOSA	*60*		*25 - 150*
13C4 PFBA	*79*		*25 - 150*
13C5 PFPeA	*95*		*25 - 150*
13C2 PFHxA	*90*		*50 - 150*
13C4 PFHpA	*87*		*50 - 150*
13C4 PFOA	*95*		*50 - 150*
13C5 PFNA	*89*		*50 - 150*
13C2 PFDA	*90*		*50 - 150*
13C2 PFUnA	*94*		*50 - 150*
13C2 PFDoA	*86*		*50 - 150*
13C2 PFTeDA	*82*		*50 - 150*
13C3 PFBS	*95*		*50 - 150*
18O2 PFHxS	*88*		*50 - 150*
13C4 PFOS	*84*		*50 - 150*
d3-NMeFOSAA	*83*		*50 - 150*
d5-NEtFOSAA	*85*		*50 - 150*
M2-6:2 FTS	*124*		*25 - 150*
M2-8:2 FTS	*110*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-151792-3 MS
Matrix: Water
Analysis Batch: 142271

Client Sample ID: Downgradient
Prep Type: Total/NA
Prep Batch: 141967

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	6.2	J	32.6	33.5		ng/L		84	40 - 160
Perfluoropentanoic acid (PFPeA)	ND		32.6	35.5		ng/L		109	40 - 160
Perfluorohexanoic acid (PFHxA)	ND		32.6	32.0		ng/L		98	40 - 160
Perfluoroheptanoic acid (PFHpA)	ND	F2	32.6	26.5		ng/L		81	40 - 160
Perfluorooctanoic acid (PFOA)	ND		32.6	30.8		ng/L		94	40 - 160
Perfluorononanoic acid (PFNA)	ND		32.6	30.6		ng/L		94	40 - 160
Perfluorodecanoic acid (PFDA)	ND	F2	32.6	26.6		ng/L		82	40 - 160
Perfluoroundecanoic acid (PFUnA)	ND		32.6	30.5		ng/L		94	40 - 160
Perfluorododecanoic acid (PFDoA)	ND		32.6	30.2		ng/L		93	40 - 160
Perfluorotridecanoic acid (PFTriA)	ND		32.6	30.8		ng/L		95	40 - 160
Perfluorotetradecanoic acid (PFTeA)	ND		32.6	34.4		ng/L		105	40 - 160
Perfluorobutanesulfonic acid (PFBS)	ND	F1 F2	28.8	23.4		ng/L		81	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	ND		29.7	30.3		ng/L		102	40 - 160
Perfluoroheptanesulfonic Acid (PFHpS)	ND		31.0	39.3		ng/L		127	40 - 160
Perfluorodecanesulfonic acid (PFDS)	ND		31.4	35.2		ng/L		112	40 - 160
Perfluorooctanesulfonic acid (PFOS)	ND		30.3	32.7		ng/L		108	40 - 160
Perfluorooctanesulfonamide (FOSA)	ND	F2	32.6	29.6		ng/L		91	40 - 160
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		32.6	31.4	J	ng/L		96	40 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	F2	32.6	30.5	J	ng/L		94	40 - 160
6:2 FTS	ND	F2	30.9	35.8	J	ng/L		116	40 - 160
8:2 FTS	ND	F2	31.2	28.5	J	ng/L		91	40 - 160

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C8 FOSA	*54*		*25 - 150*
13C4 PFBA	*95*		*25 - 150*
13C5 PFPeA	*77*		*25 - 150*
13C2 PFHxA	*84*		*50 - 150*
13C4 PFHpA	*92*		*50 - 150*
13C4 PFOA	*89*		*50 - 150*
13C5 PFNA	*77*		*50 - 150*
13C2 PFDA	*76*		*50 - 150*
13C2 PFUnA	*74*		*50 - 150*
13C2 PFDoA	*69*		*50 - 150*
13C2 PFTeDA	*61*		*50 - 150*
13C3 PFBS	*118*		*50 - 150*
18O2 PFHxS	*68*		*50 - 150*
13C4 PFOS	*62*		*50 - 150*
d3-NMeFOSAA	*66*		*50 - 150*
d5-NEtFOSAA	*75*		*50 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-151792-3 MS
Matrix: Water
Analysis Batch: 142271

Client Sample ID: Downgradient
Prep Type: Total/NA
Prep Batch: 141967

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
M2-6:2 FTS	114		25 - 150
M2-8:2 FTS	83		25 - 150

Lab Sample ID: 480-151792-3 MSD
Matrix: Water
Analysis Batch: 142271

Client Sample ID: Downgradient
Prep Type: Total/NA
Prep Batch: 141967

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	6.2	J	33.6	37.2		ng/L		92	40 - 160	10	30
Perfluoropentanoic acid (PFPeA)	ND		33.6	35.5		ng/L		106	40 - 160	0	30
Perfluorohexanoic acid (PFHxA)	ND		33.6	32.8		ng/L		98	40 - 160	3	20
Perfluoroheptanoic acid (PFHpA)	ND	F2	33.6	34.9	F2	ng/L		104	40 - 160	27	20
Perfluorooctanoic acid (PFOA)	ND		33.6	32.2		ng/L		96	40 - 160	5	20
Perfluorononanoic acid (PFNA)	ND		33.6	32.7		ng/L		97	40 - 160	7	20
Perfluorodecanoic acid (PFDA)	ND	F2	33.6	36.3	F2	ng/L		108	40 - 160	31	20
Perfluoroundecanoic acid (PFUnA)	ND		33.6	35.7		ng/L		106	40 - 160	16	20
Perfluorododecanoic acid (PFDoA)	ND		33.6	27.9		ng/L		83	40 - 160	8	20
Perfluorotridecanoic acid (PFTriA)	ND		33.6	31.3		ng/L		93	40 - 160	2	20
Perfluorotetradecanoic acid (PFTeA)	ND		33.6	38.2		ng/L		114	40 - 160	11	20
Perfluorobutanesulfonic acid (PFBS)	ND	F1 F2	29.7	63.2	F1 F2	ng/L		212	40 - 160	92	20
Perfluorohexanesulfonic acid (PFHxS)	ND		30.6	33.5		ng/L		110	40 - 160	10	20
Perfluoroheptanesulfonic Acid (PFHpS)	ND		32.0	32.2		ng/L		101	40 - 160	20	30
Perfluorodecanesulfonic acid (PFDS)	ND		32.4	26.2		ng/L		81	40 - 160	29	30
Perfluorooctanesulfonic acid (PFOS)	ND		31.2	28.7		ng/L		92	40 - 160	13	20
Perfluorooctanesulfonamide (FOSA)	ND	F2	33.6	41.5	F2	ng/L		123	40 - 160	34	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		33.6	33.9	J	ng/L		101	40 - 160	7	20
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	F2	33.6	45.7	J F2	ng/L		136	40 - 160	40	20
6:2 FTS	ND	F2	31.9	24.7	J F2	ng/L		77	40 - 160	37	30
8:2 FTS	ND	F2	32.2	44.6	J F2	ng/L		138	40 - 160	44	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C8 FOSA	44		25 - 150
13C4 PFBA	93		25 - 150
13C5 PFPeA	74		25 - 150
13C2 PFHxA	75		50 - 150
13C4 PFHpA	71		50 - 150
13C4 PFOA	81		50 - 150
13C5 PFNA	73		50 - 150
13C2 PFDA	62		50 - 150
13C2 PFUnA	64		50 - 150

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-151792-3 MSD
Matrix: Water
Analysis Batch: 142271

Client Sample ID: Downgradient
Prep Type: Total/NA
Prep Batch: 141967

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFDoA	65		50 - 150
13C2 PFTeDA	51		50 - 150
13C3 PFBS	51		50 - 150
18O2 PFHxS	53		50 - 150
13C4 PFOS	70		50 - 150
d3-NMeFOSAA	54		50 - 150
d5-NEtFOSAA	57		50 - 150
M2-6:2 FTS	96		25 - 150
M2-8:2 FTS	53		25 - 150

QC Association Summary

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

GC/MS Semi VOA

Prep Batch: 467732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-151792-1	Upgradient	Total/NA	Water	3510C	
480-151792-2	Onsite	Total/NA	Water	3510C	
480-151792-3	Downgradient	Total/NA	Water	3510C	
480-151792-4	Field Duplicate	Total/NA	Water	3510C	
MB 480-467732/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-467732/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-151792-3 MS	Downgradient	Total/NA	Water	3510C	
480-151792-3 MSD	Downgradient	Total/NA	Water	3510C	

Analysis Batch: 468234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-151792-1	Upgradient	Total/NA	Water	8270D SIM ID	467732
480-151792-2	Onsite	Total/NA	Water	8270D SIM ID	467732
480-151792-3	Downgradient	Total/NA	Water	8270D SIM ID	467732
480-151792-4	Field Duplicate	Total/NA	Water	8270D SIM ID	467732
MB 480-467732/1-A	Method Blank	Total/NA	Water	8270D SIM ID	467732
LCS 480-467732/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	467732
480-151792-3 MS	Downgradient	Total/NA	Water	8270D SIM ID	467732
480-151792-3 MSD	Downgradient	Total/NA	Water	8270D SIM ID	467732

LCMS

Prep Batch: 141967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-151792-1	Upgradient	Total/NA	Water	3535	
480-151792-2	Onsite	Total/NA	Water	3535	
480-151792-3	Downgradient	Total/NA	Water	3535	
480-151792-4	Field Duplicate	Total/NA	Water	3535	
MB 200-141967/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-141967/2-A	Lab Control Sample	Total/NA	Water	3535	
480-151792-3 MS	Downgradient	Total/NA	Water	3535	
480-151792-3 MSD	Downgradient	Total/NA	Water	3535	

Analysis Batch: 142271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-151792-1	Upgradient	Total/NA	Water	537 (modified)	141967
480-151792-2	Onsite	Total/NA	Water	537 (modified)	141967
480-151792-3	Downgradient	Total/NA	Water	537 (modified)	141967
480-151792-4	Field Duplicate	Total/NA	Water	537 (modified)	141967
MB 200-141967/1-A	Method Blank	Total/NA	Water	537 (modified)	141967
LCS 200-141967/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	141967
480-151792-3 MS	Downgradient	Total/NA	Water	537 (modified)	141967
480-151792-3 MSD	Downgradient	Total/NA	Water	537 (modified)	141967

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Client Sample ID: Upgradient
Lab Sample ID: 480-151792-1
Date Collected: 04/11/19 12:20
Matrix: Water
Date Received: 04/12/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			467732	04/12/19 15:15	ATG	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	468234	04/17/19 04:26	DMR	TAL BUF
Total/NA	Prep	3535			141967	04/15/19 11:54	TPB	TAL BUR
Total/NA	Analysis	537 (modified)		5	142271	04/24/19 06:15	BWC	TAL BUR

Client Sample ID: Onsite
Lab Sample ID: 480-151792-2
Date Collected: 04/11/19 10:35
Matrix: Water
Date Received: 04/12/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			467732	04/12/19 15:15	ATG	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	468234	04/17/19 04:50	DMR	TAL BUF
Total/NA	Prep	3535			141967	04/15/19 11:54	TPB	TAL BUR
Total/NA	Analysis	537 (modified)		5	142271	04/24/19 06:31	BWC	TAL BUR

Client Sample ID: Downgradient
Lab Sample ID: 480-151792-3
Date Collected: 04/11/19 11:15
Matrix: Water
Date Received: 04/12/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			467732	04/12/19 15:15	ATG	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	468234	04/17/19 00:51	DMR	TAL BUF
Total/NA	Prep	3535			141967	04/15/19 11:54	TPB	TAL BUR
Total/NA	Analysis	537 (modified)		5	142271	04/24/19 06:47	BWC	TAL BUR

Client Sample ID: Field Duplicate
Lab Sample ID: 480-151792-4
Date Collected: 04/11/19 00:00
Matrix: Water
Date Received: 04/12/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			467732	04/12/19 15:15	ATG	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	468234	04/17/19 05:13	DMR	TAL BUF
Total/NA	Prep	3535			141967	04/15/19 11:54	TPB	TAL BUR
Total/NA	Analysis	537 (modified)		5	142271	04/24/19 07:35	BWC	TAL BUR

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10391	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	3535	Water	6:2 FTS
537 (modified)	3535	Water	8:2 FTS
537 (modified)	3535	Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	3535	Water	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	3535	Water	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	3535	Water	Perfluorobutanoic acid (PFBA)
537 (modified)	3535	Water	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	3535	Water	Perfluorodecanoic acid (PFDA)
537 (modified)	3535	Water	Perfluorododecanoic acid (PFDoA)
537 (modified)	3535	Water	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	3535	Water	Perfluoroheptanoic acid (PFHpA)
537 (modified)	3535	Water	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	3535	Water	Perfluorohexanoic acid (PFHxA)
537 (modified)	3535	Water	Perfluorononanoic acid (PFNA)
537 (modified)	3535	Water	Perfluorooctanesulfonamide (FOSA)
537 (modified)	3535	Water	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	3535	Water	Perfluorooctanoic acid (PFOA)
537 (modified)	3535	Water	Perfluoropentanoic acid (PFPeA)
537 (modified)	3535	Water	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	3535	Water	Perfluorotridecanoic acid (PFTriA)
537 (modified)	3535	Water	Perfluoroundecanoic acid (PFUnA)

Method Summary

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Method	Method Description	Protocol	Laboratory
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: New York State D.E.C.
Job ID: 480-151792-1
Project/Site: Whitesboro Dry Cleaners Site #633054

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-151792-1	Upgradient	Water	04/11/19 12:20	04/12/19 01:00
480-151792-2	Onsite	Water	04/11/19 10:35	04/12/19 01:00
480-151792-3	Downgradient	Water	04/11/19 11:15	04/12/19 01:00
480-151792-4	Field Duplicate	Water	04/11/19 00:00	04/12/19 01:00

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Albany #224

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Emmanuel / (Terry)	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-128798-29071.1
Client Contact: Emmanuel Babalola	Phone:	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 2
Company: New York State D.E.C.				Job #:
Address: 625 Broadway 11th Floor	Due Date Requested:			
City: Albany	TAT Requested (days): Standard			
State, Zip: NY, 12233-3256				
Phone: 518-402-9850(Tel)	PO #: CallOut ID: 136895			
Email: Emmanuel.Babalola@dec.ny.gov	WO #:			
Project Name: Whitesboro Dry Cleaners Site #633054	Project #: 48019998			
Site:	SSOW#:			

Analysis Requested

480-151792 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 Analytes)	8270D_SIM_MS_ID - 1,4-Dioxane	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
UPgradient	04/11	12:20	G	Water			X	X		
Onsite	04/11	10:35am	G	Water			X	X		
Downgradient	04/11	11:15am	G	Water			X	X		
ms Downgradient	04/11	11:20am	G	Water			X	X		
msd Downgradient	04/11	11:25am	G	Water			X	X		
~~Field Blank~~ Duplicate	04/11		G	Water			X	X		
				Water						
				Water						
				Water						
				Water						
				Water						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) AB

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Em	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Emmanuel Babalola	4/11/19 4:16pm	DEC	Tim Kraller	4-11-19 1619	TA Albany
Relinquished by: Tim Kraller	Date/Time: 4-11-19 1700	Company TA Albany	Received by: Maceee	Date/Time: 04/12/19 0100	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8 #1

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Albany #224

Chain of Custody Record

480-151792 Chain of Custody

eurofins Environment Testing TestAmerica

Client Information	Sampler: Emmanuel Babalola	Lab PM: Stone, Judy L	COC No: 480-128798-29071.1
Client Contact: Emmanuel Babalola	Phone:	E-Mail: judy.stone@testamericainc.com	Page: Page 1 of 2
Company: New York State D.E.C.			Job #:
Address: 625 Broadway 11th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Albany	TAT Requested (days): Standard		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: NY, 12233-3256	PO #: CallOut ID: 136895		
Phone: 518-402-9850(Tel)	WO #:		
Email: Emmanuel.Babalola@dec.ny.gov	Project #: 48019998		
Project Name: Whitesboro Dry Cleaners Site #633054	SSOW#:		
Site:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 Analytes)	8270D_SIM_MS_ID - 1,4-Dioxane	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Upgradient	04/11	12:20	G	Water			X	X		
Onsite	04/11	0:55am	G	Water			X	X		
Downgradient	04/11	11:15am	G	Water			X	X		
MS Downgradient	04/11	11:20am	G	Water			X	X		
MSD Downgradient	04/11	11:25am	G	Water			X	X		
~~Field Blank~~ Duplicate	04/11		G	Water			X	X		
				Water						
				Water						
				Water						
				Water						
				Water						

4-11-19

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) A B

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Em	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Emmanuel Babalola	4/11/19 4:16pm	DEC	Tim Kneller	4-11-19 1619	TA Alby
Tim Kneller	4-11-19 1700	TA Albany		4/12/19 09:30	TA Buff

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: N/A	Cooler Temperature(s) °C and Other Remarks: 1.2

Ver: 01/16/2019



ORIGIN ID:SCHA (518) 438-8140
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE

ALBANY, NY 12205
UNITED STATES US

SHIP DATE: 12APR19
ACTWGT: 20.60 LB
CAD: 0439821/CAFE3211
DIMS: 15x14x10 IN

BILL THIRD PARTY

TO SAMPLE RECEIVING/ CALLAHAN
TESTAMERICA-BURLINGTON
30 COMMUNITY DRIVE, SUITE 11

BURLINGTON VT 05403
(802) 660-1990
REF: NYSDEC WHITESBORO

FedEx Express

TRK# 0201 4635 9989 5132

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US BTV

Part # 155148-434 RIT EXP 09/19

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-151792-1

Login Number: 151792

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Velickovic, Zoran

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NYSDEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-151792-1

Login Number: 151792
List Number: 2
Creator: McNabb, Robert W

List Source: Eurofins TestAmerica, Burlington
List Creation: 04/13/19 10:47 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	EM, GT
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	