2018 Annual Report

For

Groundwater Impacts

At

Naval Weapons Industrial Reserve Plant Bethpage, New York

JUNE 2018

The estimated cost of this report or study for the Department of Defense is approximately $33,000 for the 2018 Fiscal Year. This includes $32,000 in expenses and $1,170 in DoD labor.

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TABLE OF CONTENTS

SECTION		PAGE
ACRONYMS AND ABBREVIATIONS		**iii**
1.0	**INTRODUCTION**	**1-1**
1.1	BACKGROUND	1-3
1.2	REPORT ORGANIZATION	1-3
2.0	**SITE BACKGROUND**	**2-1**
2.1	NWIRP BETHPAGE FACILITY INFORMATION	2-1
2.2	GEOLOGY	2-2
2.3	HYDROGEOLOGY	2-3
2.4	GROUNDWATER CONCEPTUAL SITE MODEL	2-4
2.5	RADIOLOGICAL EVALUATION OF GROUNDWATER	2-6
3.0	**GROUNDWATER PLUME STATUS**	**3-1**
3.1	CURRENT CONDITIONS	3-1
3.2	MAPPING OF VOC PLUMES OVER TIME	3-4
3.3	VOC PLUME MIGRATION RATES	3-7
3.4	USGS GROUNDWATER FLOW MODEL	3-9
4.0	**CURRENT AND FUTURE IMPACTS TO DRINKING WATER FACILITIES**	**4-1**
4.1	CURRENT IMPACTS	4-1
4.2	POSSIBLE FUTURE IMPACTS	4-2
5.0	**COMPREHENSIVE STRATEGY FOR OFFSITE GROUNDWATER**	**5-1**
5.1	OVERVIEW AND REMEDIAL ACTION OBJECTIVES	5-1
5.2	COMPREHENSIVE STRATEGY AND REMEDIAL ACTIONS	5-1
5.3	BETHPAGE COMMUNITY PARK OU3 ROD	5-6
5.4	OTHER STRATEGIES CONSIDERED	5-7
6.0	**SUMMARY**	**6-1**
	REFERENCES	**R-1**

GRAPHS

NUMBER

3-1 TREND ANALYSIS OF LOW LEVELS OF TCE IN THE DEEP WESTERN PLUME (500 TO 700 FEET BGS)
3-2 TREND ANALYSIS OF MODERATE LEVELS OF TCE IN THE DEEP WESTERN PLUME (GREATER THAN 700 FEET BGS)
3-3 TREND ANALYSIS OF TCE IN MONITORING WELL RE117D1 (SCREENED 730 TO 750 FEET BGS)

FIGURES

1-1 GENERAL SITE LOCATION MAP
1-2 SITE LOCATION MAP
1-3 NASSAU COUNTY SPILLS & POTENTIAL SOURCES
2-1 CONCEPTUAL SITE MODEL - GROUNDWATER
3-1 2017 TCE CONCENTRATION IN GROUNDWATER (0 TO 300 FEET BGS)
3-2 2017 TCE CONCENTRATION IN GROUNDWATER (300 TO 500 FEET BGS)
3-3 2017 TCE CONCENTRATION IN GROUNDWATER (500 TO 700 FEET BGS)
3-4 2017 TCE CONCENTRATION IN GROUNDWATER (GREATER THAN 700 FEET BGS)
3-5 2001, 2006, 2011, & 2017 TCE CONCENTRATION IN GROUNDWATER (0 TO 300 FEET BGS)
3-6 2001, 2006, 2011, & 2017 TCE CONCENTRATION IN GROUNDWATER (300 TO 500 FEET BGS)
3-7 2001, 2006, 2011, & 2017 TCE CONCENTRATION IN GROUNDWATER (500 TO 700 FEET BGS)
3-8 2001, 2006, 2011, & 2017 TCE CONCENTRATION IN GROUNDWATER (GREATER THAN 700 FEET BGS)
3-9 MAY 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP (500 TO 700 FEET BGS)
3-10 MAY 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP (GREATER THAN 700 FEET BGS)
3-11 SEPTEMBER 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP (500 TO 700 FEET BGS)
3-12 SEPTEMBER 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP (GREATER THAN 700 FEET BGS)
3-13 CHANGES IN GROUNDWATER ELEVATIONS MAY TO SEPTEMBER 2017 (500 TO 700 FEET BGS)
3-14 USGS MODEL: ZONES OF CONTRIBUTION FOR WELL FIELDS
4-1 10-MILE RADIUS - MIGRATION MAP
4-2 VOC PLUME WITH 2017 GROUNDWATER SINK (500 TO 700 FEET BGS)

APPENDICES

A CHEMICAL DATA TABLES (Provided on CD only)
B CHEMICAL RESULTS MAPS FOR 2001-2017
C HYDROGEOLOGICAL CALCULATIONS

ACRONYMS AND ABBREVIATIONS

µg/L	microgram per liter
ARAR	Applicable or Relevant and Appropriate Requirement
BCP	Bethpage Community Park
BWD	Bethpage Water District
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
C.F.R.	Code of Federal Regulations
COC	chemical of concern
DCA	1,1-dichloroethane
DCE	cis-1,2-dichloroethene
DERP	Defense Environmental Restoration Program
ERP	Environmental Restoration Program
FR	Federal Register
GAC	granulated activated carbon
gpm	gallon per minute
HDR	Henningson, Durham, and Richardson Architecture and Engineering P.C.
HR	Hooker RUCO
LTM	long-term monitoring
LUC	land use control
MCL	maximum contaminant level
mgd	million gallons per day
msl	mean sea level
MWD	Massapequa Water District
NAVFAC	Naval Facilities Engineering Command
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NDAA	National Defense Authorization Act
NG	Northrop Grumman
NCDOH	Nassau County Department of Health
NWIRP	Naval Weapons Industrial Reserve Plant
NYAW	New York American Water (formerly AQUA New York)
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	operation and maintenance
ONCT	Onsite Containment System
OU	Operable Unit
PA/SI	Preliminary Assessment/Site Inspection
PCE	tetrachloroethene
PWSCP	Public Water Supply Contingency Plan
RAO	remedial action objective
ROD	Record of Decision
SFWD	South Farmingdale Water District
TCA	1,1,1-trichloroethane
TCE	trichloroethene
USACE	U.S. Army Corps of Engineers
U.S. EPA	United States Environmental Protection Agency
USGS	United States Geological Survey
WIIN	Water Infrastructure Improvements for the Nation
VOC	volatile organic compound
VPB	vertical profile boring

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1.0 INTRODUCTION

This 2018 Annual Report addresses volatile organic compounds (VOCs) in groundwater downgradient of the former Navy-owned, Northrop Grumman-operated Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage and the separate former Northrop Grumman-owned and Northrop Grumman-operated industrial facility adjacent to the former NWIRP Bethpage (Figures 1-1 and 1-2).

In 2017, the Navy submitted its first report in response to Title IV, Section 5009 of the Water Infrastructure Improvements for the Nation Act of 2016 (2016 WINN Act), which required the Secretary of the Navy to submit the initial Annual Report by June 14, 2017 and annual reports thereafter through 2021, to the United States Congress. In April 2018, the Navy submitted an addendum to 2017 Annual Report, as required by the 2018 National Defense Authorization Act (NDAA), which the President signed on December 12, 2017. This 2018 Annual Report is the second annual report prepared in response to the 2016 WIIN Act. This 2018 Annual Report presents an updated evaluation of groundwater quality and migration.

The requirements of the 2016 WIIN Act are as follows:

> "(1) a description of the status of the groundwater contaminants that are leaving the site [former NWIRP Bethpage and two former Northrop Grumman facilities] and migrating to a location within a 10-mile radius of the site, including -
>
> (A) detailed mapping of the movement of the plume over time; and
>
> (B) projected migration rates of the plume;
>
> (2) an analysis of the current and future impact of the movement of the plume on drinking water facilities; and
>
> (3) a comprehensive strategy to prevent the groundwater contaminants from the site from contaminating drinking water wells that, as of the date of the submission of the report, have not been affected by the migration of the plume."

This report updates the information in the 2017 Annual Report about the status and strategy for what is known as the Operable Unit (OU) 2 Plume, which consists of impacted groundwater downgradient of the former NWIRP Bethpage and one of the two former Northrop Grumman facilities. The groundwater contaminants associated with the former NWIRP Bethpage and Northrop Grumman facilities are identified in the New York State Department of Environmental Conservation (NYSDEC) 2001 Record of Decision (ROD) for OU2 Groundwater – Northrop Grumman and Naval Weapons Industrial Reserve Plant Sites (Site Numbers 1-30-003A & B) and the Navy 2003 ROD for NWIRP Bethpage, New York OU2 – Groundwater (NYS Registry 1-30-003B). These documents list chlorinated VOCs in groundwater, primarily trichloroethene (TCE), that have migrated south of the former NWIRP Bethpage and Northrop Grumman facilities (NYSDEC, 2001 and Navy, 2003).

Also addressed in this 2018 Annual Report is a summary of the *Addendum to the 2017 Annual Report for Radiological Groundwater Impacts*, dated April 2018 (2018 WIIN Act Addendum). As discussed further in Section 2.0 of the 2018 Annual Report, the concentration of radium and other radioactive materials

identified in groundwater in the vicinity of NWIRP Bethpage is consistent with naturally occurring levels normally found in the regional aquifer. To date, research into records for the NWIRP Bethpage and the adjacent Northrop Grumman facility did not find evidence of a radium or other radiological material release that could have an effect on water quality in the NWIRP Bethpage Area.

There are other plumes adjacent to and within the footprint of the OU2 Plume that have sources other than NWIRP Bethpage and Northrop Grumman facilities. Hooker Ruco (a Superfund Site) and some local dry cleaners and gasoline stations are likely contributing to the footprint of the OU2 Plume (Figure 1-3). In addition, NYSDEC issued the Bethpage Park – Former Grumman Settling Ponds and Adjacent Areas (Bethpage Community Park) 2013 OU3 ROD, Nassau County Site No. 1-30-003C to address VOCs from another adjacent former Northrop Grumman property (NYSDEC, 2013). Investigations have also identified other chemicals in the OU2 Plume, including cadmium and chromium in on-facility groundwater wells, however there is no evidence that these chemicals are present in off-facility groundwater; and therefore, these other chemicals are not discussed in this report.

The NYSDEC OU2 2001 ROD, Navy OU2 2003 ROD, and NYSDEC Bethpage Community Park OU3 2013 ROD provide strategies and identify response actions to mitigate offsite groundwater impacts to possible receptors, and to protect human health and the environment from actual or threatened releases of hazardous substances. These response actions include:

- Installation and continued operation of on-site containment systems consisting of groundwater extraction wells and treatment plants to capture and treat VOCs before they migrate off facility from the former NWIRP Bethpage and/or Northrop Grumman facilities (OU2 and OU3).
- Offsite groundwater capture and treatment of hotspots at the GM38 Area Hotspot (OU2) (in operation), the RW21 Area Hotspot (OU3) (under construction), and the RE108 Area Hotspot (OU2) (in design), with the objective of weakening the plume and limiting its downgradient migration. In the OU2 ROD, a hotspot is defined as an area of groundwater with VOC concentrations greater than 1,000 micrograms per liter (µg/L).
- Continued monitoring and tracing of the plumes through the installation of vertical profile borings and monitoring wells.
- Installation of wellhead treatment for impacted and prospectively-impacted public water supply wells.

These response actions continue to be effective and protective of human health and the environment. The Navy and Northrop Grumman continue to work closely with NYSDEC in implementing the ROD remedies. Northrop Grumman and the Navy continue planning additional groundwater hotspot area extraction and treatment systems that will further weaken the off-facility plumes and limit its migration towards downgradient public water supply wells. Due to these measures, the remedy for the off-facility groundwater is currently protective of human health and the environment.

The Navy holds Restoration Advisory Board meetings twice per year in Bethpage to inform the community of the actions being taken by the Navy to clean up soil and groundwater at/from the former NWIRP Bethpage facility. The public as well as representatives of NYSDEC, New York State Department of Health (NYSDOH), Nassau County Department of Health (NCDOH), United States Environmental Protection Agency (U.S. EPA), Town of Oyster Bay, and the local water districts are invited to attend. Actions being conducted by the Navy to address groundwater contamination, including investigations, monitoring, and treatment are discussed at these meetings. Navy, Northrop Grumman, NYSDEC, NYSDOH, U.S. EPA, and local water districts also participate in separate working meetings to facilitate progress of the OU2 and OU3 cleanups.

The Navy maintains a public repository, which includes supporting technical documents and correspondence related to NWIRP Bethpage, at the following location:

Bethpage Public Library
47 Powell Avenue
Bethpage, New York 11714
(516) 931-3907

A public web site with the Administrative Record can be accessed at the following web page:

http://go.usa.gov/DyXF

1.1 BACKGROUND

The Navy Environmental Restoration Program (ERP) is implemented pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. Secs. 9601-9675, and Defense Environmental Restoration Program (DERP), 10 U.S.C. Secs 2701 – 2711 to address Navy and Marine Corps facilities that were contaminated with hazardous substances or pollutants or contaminants.

1.2 REPORT ORGANIZATION

This report is organized as shown in the Table of Contents. Acronyms and abbreviations are presented after the Table of Contents. Graphs, figures, and appendices are provided at the end of the document.

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2.0 SITE BACKGROUND

This section provides a summary of background information for the former NWIRP Bethpage and Northrop Grumman facilities, the surrounding area, and the OU2 and OU3 groundwater plumes.

2.1 NWIRP BETHPAGE FACILITY INFORMATION

The former NWIRP Bethpage is located in Nassau County on Long Island, New York; approximately 30 miles east of New York City (Figure 1-1). The facility that would later become NWIRP Bethpage was part of the facility owned and operated by Grumman for the research prototyping, testing, design engineering, fabrication, and primary assembly of military aircraft during World War II. At their peak, Grumman's operations at the former NWIRP Bethpage included four plants used for assembly and prototype testing, a group of quality control laboratories, two warehouse complexes (north and south), a salvage storage area, water recharge basins, an Industrial Wastewater Treatment Facility, and several smaller support buildings (Figure 1-2). The Navy acquired the property that became the NWIRP Bethpage in 1947.

NWIRP Bethpage was a government-owned facility operated by Northrop Grumman until 1996. As a result of Northrop Grumman's decision to terminate operations at NWIRP Bethpage, the U.S. Congress passed special legislation under Section 2852 of the National Defense Authorization Act of 1998 (P.L.105-85, 111 Stat. 1629), permitting conveyance of the Navy-owned real property at NWIRP Bethpage to Nassau County, New York for economic redevelopment. NWIRP Bethpage originally included a main parcel of approximately 105 acres and a separate parcel of approximately 4.5 acres located to the north of the main parcel.

In 2002, the Navy transferred the 4.5-acre parcel to Nassau County. On February 26, 2008, the Navy transferred 96 acres of the 105-acre main parcel to Nassau County and is leasing the remaining 9 acres to Nassau County. Two Navy Environmental Restoration sites located on the main parcel that were transferred, Site 2 – Recharge Basins and Site 3- Salvage Storage Area, require land use controls (LUCs) and Five-Year Reviews as a part of the selected remedy. These LUCs are in place and reviews are being conducted, as required. The 9-acre parcel the Navy retains for environmental investigation and remediation includes Navy Environmental Restoration Site 1 – the Former Drum Marshalling Area and Site 4 – Former Underground Storage Tank area. Upon successful remediation of the 9-acre parcel, it will also be transferred to Nassau County. The transfer and lease documents provide LUCs and notifications for the long-term management of the property.

From 1998 to 2011, activities occurring at the former 105-acre NWIRP Bethpage included facility maintenance (security and mowing), storage of Nassau County impounded vehicles, and environmental investigations and/or remediation of soil, groundwater, and soil vapor.

In 2011, Steel-Los III, L.P. bought 84 acres of the 96-acre property that the Navy had transferred to Nassau County and has been renovating the facility to attract new tenants. Nassau County has retained the remaining 12 acres for economic development. The Navy-owned 9-acre parcel being leased to Nassau

County was also subleased to Steel-Los III in 2011. Steel-Los III currently utilizes the owned and leased properties for light industrial and commercial activities, miscellaneous outdoor storage, and as a movie production set. Steel-Los III maintains security for the facility. Since 2011, the Navy has continued environmental investigations and response activities on the 9-acre parcel.

Until the 1990s, Northrop Grumman owned approximately 500 acres of property that was adjacent to and surrounded much of the former NWIRP Bethpage (Figure 1-2). Since that time, Northrop Grumman has sold most of the 500 acres. Until 1962, Northrop Grumman also owned an additional 18-acre parcel of land described as the Former Grumman Settling Ponds and Adjacent Areas in NYSDEC's OU3 ROD. Northrop Grumman transferred this parcel to the Town of Oyster Bay in 1962 for construction of the Bethpage Community Park.

2.1.1 Surface Features

The former NWIRP Bethpage and Northrop Grumman facilities are located on a relatively flat, glacial outwash plain. The facilities and nearby vicinity are highly urbanized. Because of this, most of the natural physical features have been reshaped or destroyed. The topography at the former NWIRP Bethpage is relatively flat with a gentle slope toward the south. Elevations range from greater than 140 feet above mean sea level (msl) in the north to less than 110 feet above msl at the southwest corner. The dominant features at the NWIRP Bethpage facility are Plant 3 (the former manufacturing facility), North Warehouses, South Warehouses, and three groundwater recharge basins located at Site 2. The recharge basins are each approximately 1.5 to 2.5 acres in area and about 30 to 40 feet deep (Figure 1-2). Similar features were present at the former Northrop Grumman facility, including Plants 1 and 2, which are former manufacturing facilities and recharge basins along the southern and southwestern borders of the former Northrop Grumman facility. An airstrip was also present at the former Northrop Grumman facility.

2.1.2 Surrounding Land Use

Currently, the land surrounding the former NWIRP Bethpage is primarily a mixture of commercial and residential development. The residential development surrounding much of the former NWIRP Bethpage and Northrop Grumman facilities is located in the Hamlets of Bethpage and Plainedge, in the Town of Oyster Bay, and the Hamlets of Levittown and Hicksville, in the Town of Hempstead.

2.2 GEOLOGY

The former NWIRP Bethpage and Northrop Grumman facilities are underlain by approximately 1,100 feet of unconsolidated sediments that overlie crystalline bedrock (Isbister, 1966). The unconsolidated sediments consist of four distinct geologic units: Upper Glacial Formation; Magothy Formation; Raritan Clay; and Lloyd Sand Formations (McClymonds and Franke, 1972). The Upper Glacial Formation (glacial deposits) forms the surface deposits across the entire NWIRP Bethpage. This formation consists primarily of coarse sands and gravels, and is approximately 30 to 45 feet thick. Variations in the thickness of the glacial deposits are common due to undulating contact with the underlying Magothy Formation. The Upper Magothy Formation consists primarily of coarse sands to a depth of approximately 100 feet, below which

finer sands, silts, and clay predominate. Individual clay units (also called “clay lenses”) significantly increase below subsurface depths of 100 feet, but are laterally discontinuous; no individual clay horizon of regional extent underlies the facilities in the Magothy. The 100 to 150-foot thick Raritan Clay Formation underlies the Magothy Formation at a depth of approximately 700 to over 1,000 feet below the ground surface (bgs). The underlying Lloyd Sand Formation is approximately 300 feet thick.

2.3 HYDROGEOLOGY

Most of Long Island is bisected by an east-west-trending regional groundwater divide (see Section 4.0). The former NWIRP Bethpage and Northrop Grumman facilities occupy an area of recharge, lying south of the divide where regional groundwater flows southward toward South Oyster Bay and the Atlantic Ocean. Groundwater is in contact with the lower portion of the Upper Glacial and Upper Magothy Formations beneath the facilities. With limited distinction between the formations, groundwater may be considered a common unconfined aquifer. The glacial deposits underlying the facilities are characterized by a high porosity (in excess of 25 percent). Most of the glacial deposits are above the groundwater table in the former NWIRP Bethpage area; however, the high permeability of the glacial deposits allows for rapid recharge of the Magothy Formation from precipitation (Isbister, 1966; McClymonds and Franke, 1972). The number and thickness of clay lenses increase with depth in the Magothy Formation; however, these clay units are laterally discontinuous and do not function as a fully-developed confining unit within the aquifer.

The Magothy aquifer is used to supply large quantities of water for domestic, agricultural, commercial, and industrial uses on Long Island. Based on water level measurements in 2010 to 2017, groundwater across NWIRP Bethpage flows to the south-southeast and the elevation ranges from approximately 70 to 73 feet above msl at the facility. The groundwater ultimately discharges to South Oyster Bay, which is at sea level, approximately seven miles south of the NWIRP Bethpage facility. Higher groundwater velocities can occur in gravel zones and/or in response to pumping stresses. Subtle vertical hydraulic gradients occur in a downward direction. Groundwater in the Magothy Formation is considered a sole source aquifer (NYSDEC Class GA), and is the primary source of potable water for Nassau County. Groundwater is encountered at a depth of approximately 50 feet bgs at the facilities.

From the 1960s to the 1990s, Northrop Grumman operated 16 deep production wells (seven wells on the NWIRP Bethpage facility and nine wells on the Northrop Grumman facility). Extracted water from these production wells was used primarily for non-contact single-pass cooling for plant operations. The wells were screened within the Magothy Formation and each yielded approximately 1,200 gallons per minute (gpm). The majority of the wells were located along the western edge of the facilities. Based on the location and extraction rates, the pumping action of these production wells caused groundwater on the NWIRP Bethpage facility to flow predominantly west and southwest. In addition, the pumping action of these production wells would also be expected to cause groundwater further west of them to flow east and be captured by these wells.

The production wells extracted groundwater from depths of approximately 280 to 500 feet bgs. Water was discharged into nearby surficial recharge basins. The extraction from the production wells and near surface recharge resulted in vertical gradients across the facilities that would enhance the downward migration of chemicals that may be in the groundwater. Most of the production wells on the former NWIRP Bethpage and Northrop Grumman facilities have been decommissioned. Currently, as part of the OU2 On-Site Containment (ONCT) System operated by Northrop Grumman, two of the Northrop Grumman production wells and three additional containment (response action) wells operate with a combined flow rate of approximately 3,700 gpm or 5.3 million gallons per day (mgd) (Figure 1-2). The OU2 ONCT system removes VOCs from the groundwater and limits the migration of VOC-impacted groundwater south of these extraction wells.

2.4 GROUNDWATER CONCEPTUAL SITE MODEL

A conceptual site model was developed for these facilities to describe the migration of VOC-impacted groundwater from the various sources through the groundwater aquifer to potential receptors (i.e., public water supply wells). The VOCs in groundwater that may have migrated from the former NWIRP Bethpage and Northrop Grumman facilities are identified in the NYSDEC OU2 2001 ROD, Navy OU2 2003 ROD, and the NYSDEC Bethpage Community Park OU3 2013 ROD. The RODs also address residual VOC-impacted groundwater beneath the former Northrop Grumman and NWIRP Bethpage facilities. The VOC releases from these facilities form a 3,000-acre plus horizontal area of multiple VOC-impacted groundwater plumes that extend south of Hempstead Turnpike. The VOC-impacted groundwater extends to a depth of approximately 750 feet, though this contamination is not continuous throughout this area and is not present at all depths.

There are other groundwater plumes not associated with the former NWIRP Bethpage or Northrop Grumman facilities that are known or believed to be present in the area and are likely contributing to the footprint of the OU2 Plume. These other plumes include those emanating from the Hooker Ruco Superfund Site and some local dry cleaners and gasoline stations (Figure 1-3). Furthermore, there is evidence that additional plumes are present to the north and west of the facilities that may be impacting groundwater on or south of the former Northrop Grumman and NWIRP Bethpage facilities (Figure 1-3).

Figure 2-1 depicts the conceptual site model that identifies the following primary NWIRP Bethpage and Northrop Grumman VOC groundwater plumes.

Shallow Plumes - VOCs are located in the groundwater between approximately 50 and 300 feet bgs. The VOCs include a mixture of individual organics, including TCE, tetrachloroethene (PCE), 1,1,1-trichloroethane (TCA), and 1,1-dichloroethane (DCA) and are generally found at concentrations of 0.5 to 10 micrograms per liter (µg/L) for each contaminant. There are multiple shallow plumes that result from a range of potential sources including the former NWIRP Bethpage and former Northrop Grumman facilities, as well as dry cleaners, gasoline stations, and residential properties (i.e., septic systems) that in combination form a series of unique, layered, non-continuous plumes throughout the area. Higher

concentrations of VOCs (greater than 10 µg/L) were found on the former NWIRP Bethpage and former Northrop Grumman facilities, but these VOCs have been mostly remediated through response actions conducted at the sources (e.g., NWIRP Bethpage Site 1 Air Sparge/Soil Vapor Extraction System) and/or by containment systems at the former facility boundaries (e.g., NWIRP Bethpage and Northrop Grumman OU2 and the Bethpage Community Park OU3 containment systems). Plumes that have migrated beyond these boundaries represent the other plumes described below.

GM38 Area Hotspot (OU2) - VOCs were located in the groundwater (between 300 to 500 feet bgs) approximately 1.6 miles southeast of the former NWIRP Bethpage. Groundwater from this hotspot is being treated by the GM38 Area Hotspot (OU2) Treatment System. Before the GM-38 treatment system was installed in 2009, the hotspot encompassed an area of approximately 38 acres and contained a mixture of TCE, PCE, cis-1,2-dichloroethene (DCE), TCA, and DCA with concentrations ranging between 100 to 2,000 µg/L. Since 2009, groundwater concentrations have decreased by over 80 percent. In the OU2 ROD, a hotspot is defined as an area of groundwater with VOC concentrations greater than 1,000 µg/L.

Deep Western Plume (OU2) - VOCs are located in the groundwater (between 300 to 750 feet bgs) in the western portions of the former NWIRP Bethpage and Northrop Grumman facilities and the Hooker Ruco Superfund Site. The plume continues south of Hempstead Turnpike. Although this plume likely resulted from multiple sources, including the former NWIRP Bethpage and Northrop Grumman facilities, the apparent origin and depth of this plume appears to be associated with the extensive historic pumping conducted in this area. This plume is predominately TCE, with lower concentrations of other VOCs. VOC concentrations range between 50 to 8,200 µg/L. This plume is typically 100 to 200 feet thick north of Hempstead Turnpike, and thins to the south.

- *RE108 Area Hotspot (OU2)* - In 2011, a potential hotspot was identified 1.5 miles south of the former NWIRP Bethpage. This hotspot is a subset of the Deep Western Plume (OU2). The hotspot is estimated to be approximately 170 acres and is present at a depth of approximately 520 to 720 feet bgs. This hotspot is predominantly TCE, with lower concentrations of other VOCs. VOC concentrations range between 1,000 to 8,200 µg/L. A treatment system is currently being designed.

Deep Eastern Plume (OU3) - VOCs are located in the groundwater (between 300 to 650 feet bgs) south and hydraulically downgradient of the Bethpage Community Park. The plume continues toward Hempstead Turnpike. This plume contains a mixture of primarily TCE and DCE, with concentrations ranging between 50 µg/L to over 10,000 µg/L.

- *RW21 Area Hotspot (OU3)* – The hotspot was identified in the 2013 NYSDEC Bethpage Community Park OU3 ROD as “presently located approximately 2,500 feet upgradient of and approaching the Bethpage Water District No. 4 well field.” It is a subset of Deep Eastern Plume (OU3). This hotspot contains a mixture of primarily TCE and DCE, with concentrations ranging from approximately 1,000 µg/L to over 10,000 µg/L and is present at a depth of approximately 550

to 750 feet bgs. The RW21 Area Hotspot (OU3) and the Deep Eastern Plume (OU3) are deeper than the GM38 Area Hotspot (OU2) groundwater in this area, and therefore flow under the GM38 Area Hotspot (OU2). Northrop Grumman is currently constructing the RW21 Area Hotspot Treatment System.

2.5 RADIOLOGICAL EVALUATION OF GROUNDWATER

As reported in the 2018 WIIN Act Addendum, the concentration of radium and other radioactive materials identified in groundwater in the vicinity of NWIRP Bethpage is consistent with naturally occurring levels normally found in the regional aquifer.

Several radioactive materials, including radium, were reportedly used by Northrop Grumman in product testing, research, and development, and for making product quality assurance and quality control oriented measures at the NWIRP Bethpage and Northrop Grumman facilities. Research to date into the records for these facilities did not find evidence of a radium or other radioactive material release that could have an effect on water quality in the NWIRP Bethpage Area.

Radium is a naturally occurring radioactive material whose solubility (i.e., concentration) in the groundwater can be altered by pH, dissolved oxygen, and/or dissolved salts. Changes in these primary factors can be either natural or influenced by human activities (e.g., road salt, septic systems, gasoline stations, and fertilizers) on or near the surface of the aquifer.

The groundwater underlying NWIRP Bethpage are part of the North Atlantic Coastal Plain aquifer system. A nationwide survey comprising 1,270 samples from 15 principal aquifer systems found that the North Atlantic Coastal Plain quartz sand aquifer system produced the maximum radium (radium-226 and radium-228) concentration in groundwater of 20.4 pCi/L (Szabo et al., 2012). More than one-fourth of the samples analyzed from the North Atlantic Coastal Plain surficial aquifer system exceeded the 5 pCi/L MCL for radium.

Radium can also be found in phosphate rock, which is used in the production of phosphate fertilizers (U.S. EPA, 2017). The Bethpage area has an agricultural history.

Based on available NWIRP Bethpage area data assembled from testing conducted by the local water districts, Navy, Northrop Grumman, and NYSDEC between 2006 and 2017, radium was detected in 97.5 percent of the 122 groundwater and public water supply test locations, with a maximum concentration of 8.6 picocuries per liter in one well. Of these test locations, groundwater from 7 wells (5.7 percent) had a radium concentration exceeding the MCL (5 picocuries per liter).

A review of the data indicates that there is no clear pattern in the concentration of the distribution of radium in the groundwater. Of note, there is no groundwater data from east (hydraulically side gradient) of the NWIRP Bethpage and Northrop Grumman facilities, in an area that is hydraulically upgradient of Bethpage Water District Plant 4, which is where the well with the highest concentration of radium is located.

Despite the absence of current report-based or environmental evidence that radium or other radioactive materials were released at the NWIRP Bethpage, the Navy is conducting a Preliminary Assessment/Site Inspection (PA/SI) for the NWIRP Bethpage. The Preliminary Assessment includes employee interviews and enhanced compilation of government records for the former NWIRP Bethpage. The Site Inspection will include on-property groundwater sampling and analysis for radium and other radiological materials. At the conclusion of the PA/SI process, the results will be evaluated to determine if further investigation, removal, or remedial action is warranted.

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3.0 GROUNDWATER PLUME STATUS

This section describes the current and historical understanding of the off-facility groundwater plumes, and provides estimated migration rates. For discussion purposes, the regional groundwater system is separated into four depth-based intervals, as follows: (1) less than 300 feet bgs; (2) 300 to 500 feet bgs; (3) 500 to 700 feet bgs; and (4) greater than 700 feet bgs. These four depth intervals correspond to the predominant groundwater flow pathways and associated plume movements through the aquifer. These intervals cut through the Deep Eastern and Deep Western Plumes as described in Section 2.4.

The groundwater VOC concentrations are obtained from the vertical profile boring (VPB) and monitoring well water samples. The VPB program advances soil borings at strategic locations and collects groundwater samples for VOC laboratory analyses at intervals ranging from every 50 feet in the 50 to 200 feet bgs depth range to every 20 feet below 200 feet bgs depth range. This sampling provides vertical profiles of VOC concentrations from the water table down to over 1,000 feet bgs. Based on the results from the VPB program, permanent monitoring wells are installed at each location. The monitoring well screen depths are selected based on the location of permeable flow zones, and the current or potential future presence of VOCs within those flow zones. Although more limited in vertical coverage, the monitoring wells provides reproducible data that can be tracked over time. Additional details of the VPB and monitoring well program are described in Section 5.2.

TCE is the primary VOC in the off-facility groundwater. However, there are some areas of VOC-impacted groundwater where TCE and its associated byproducts are not present (e.g. benzene and methyl tert butyl ether). As a result, these plumes may not be associated with the former NWIRP Bethpage or Northrop Grumman facilities and the source of these other VOCs and associated plumes is uncertain.

3.1 CURRENT CONDITIONS

The current estimates of the boundaries of TCE-impacted groundwater (TCE greater than 5 µg/L) potentially associated with the former NWIRP Bethpage and Northrop Grumman facilities are presented in Figures 3-1 through 3-4, for the depth intervals of 0 to 300 feet bgs, 300 to 500 feet bgs, 500 to 700 feet bgs, and greater than 700 feet bgs, respectively. The development of these isoconcentration contour lines is based on analytical results and groundwater flow. In developing these lines, data from water samples collected most recently (e.g., 2017) from permanent monitoring wells is given the greatest weight. Data from previous years and VPBs are used to supplement recent groundwater results.

Public water supply extraction wells are also shown on figures where the depth of the extraction well screen (i.e., groundwater intake point) coincides with the appropriate depth interval. For example, Bethpage Water District (BWD) well BWD-6-1 (BWD-3876) with a screened depth of 328 to 381 feet is shown on Figure 3-2 (300 to 500 feet bgs interval). The groundwater results discussed below represent the highest concentration measured at each location. For most of the locations and depth intervals, the vertical extent of the contamination is found in only a portion of the depth interval (e.g., the plume may only be 20 to 50

feet thick in a depth interval of 200 feet). More detailed location- and depth-data are provided in Appendix A of this 2018 Annual Report, as well as in the 2017 Annual Report. Except as noted below, the current TCE contour lines presented in Figures 3-1 to 3-4 are similar to those in the 2017 Annual Report.

The following sections describe the current distribution of VOCs in groundwater, primarily TCE, at four depth intervals, each of which encompasses multiple plumes and/or hotspots.

Shallow VOC-Impacted Groundwater, 0 to 300 Feet bgs (see Figure 3-1): The western edge of the shallow VOC-impacted groundwater is shown in Figure 3-1 as originating near the western edge of the former Northrop Grumman facility and extends 3.3 miles to the south-southeast. The eastern edge of the shallow VOC-impacted groundwater originates near the Bethpage Community Park and extends 3.6 miles to the southeast and south-southeast. Although illustrated as one overall area of contamination, the shallow plumes are actually a series of individual plumes that are separated horizontally and vertically from each other due to the release point, migration, and vertical gradients. In addition, these plumes commonly vary by chemical characteristics of the original source (e.g., TCE versus PCE) and aquifer conditions (other organics that may result in the formation of degradation products such as DCE). In addition, because of the operation of groundwater extraction and treatment systems and the discharge of treated water back into the shallow aquifer resulting in flushing of the aquifer, there are likely large portions of the aquifer that are compliant with Federal and State Drinking Water Standards throughout this shallow aquifer that are not depicted on this figure. The interpreted, irregular shape of the southern portion of the VOC plume likely results from combined releases from multiple locations over time, variable migration rates, and attenuation within the aquifer.

In much of the shallow zone in the southern-most portion of the investigation area near Southern State Parkway, groundwater data from several VPBs demonstrated that TCE was either not present or was present at concentrations less than Federal or State Drinking Water Standards (i.e., MCLs).

Based on groundwater data from groundwater investigations conducted in 2017, three modifications have been made to the 2017 Annual Report plume delineations presented in Figure 3-1. The 100 µg/L contour line near Hempstead Turnpike and Hicksville Road was extended southward in response to groundwater data from a VPB. The 100 µg/L contour line near the southeast corner of the former Northrop Grumman facility shifted east as a result of groundwater data from permanent monitoring wells. The 1,000 µg/L contour line south of the Bethpage Community Park was removed as a result groundwater data from a permanent monitoring well.

Intermediate-Depth VOC-Impacted Groundwater, 300 to 500 Feet bgs (see Figure 3-2): The spatial distribution for TCE in this depth interval is less extensive than for the shallower depth interval described above. While the western and eastern TCE boundaries are similar to those of the shallower zone, the southern extent of the TCE detections is more limited.

The areal extent of TCE concentrations greater than 100 µg/L and 1,000 µg/L are more extensive than those identified in the shallower depth interval. An area of elevated TCE concentrations in groundwater is present along the western boundary in this depth interval. Also, along the western boundary, the extension of TCE impacts in groundwater beyond the inferred western boundary of the OU2 Plume (based on groundwater flow direction) suggests that other (non-Northrop Grumman or non-NWIRP Bethpage) sources may be impacting the plume. The source of this other contamination is uncertain. Additional groundwater investigations are being conducted to better define the source of this contamination to the west of the former Northrop Grumman facility. Groundwater Investigations conducted in 2017 provided information to further delineate the estimated western edge of the Deep Western Plume. In addition, evaluation of the 2017 data resulted in the southern edge of the Deep Western Plume 100 µg/L contour line being adjusted southeastward by approximately 1,500 feet. This adjustment results primarily from new data being available in that area.

The zone of residual TCE-impacted groundwater associated with the GM38 Area Hotspot (OU2) (greater than 100 µg/L contour line) remains vertically separate from the lower Deep Eastern Plume (OU3). Since 2009, the TCE concentrations in the GM38 Area Hotspot (OU2) have been significantly reduced through the operation of the associated extraction, treatment, and discharge system.

Upper Deep VOC-Impacted Groundwater, 500 to 700 Feet bgs (see Figure 3-3): The spatial distribution for TCE in this depth interval is less extensive than for the shallower zones described above and the difference between the Deep Western (OU2) and the Deep Eastern (OU3) Plumes is more defined. This depth interval is estimated to contain the majority of contaminant mass in both the Deep Western (OU2) and the Deep Eastern (OU3) Plumes.

The Deep Western (OU2) Plume, depicted in Figure 3-2, extends further south than the two shallower zones described above, to a distance of approximately one mile south of Hempstead Turnpike. Evaluation of the 2017 groundwater data resulted in the southern edge of the Deep Western Plume 100 µg/L contour line being adjusted southward by approximately 1,500 feet. Additional evaluation of the migration of VOCs in this area is provided in Section 3.2. While not graphically depicted in this report, because it does not appear to be associated with the former NWIRP Bethpage or Northrop Grumman facilities, there is evidence of a relatively pure Freon-113 plume (VPB-165) along the western edge of the Deep Western Plume (OU2) that appears to be influenced by additional plumes further north and west of the former NWIRP Bethpage and Northrop Grumman facilities (Appendix A and the 2017 Annual Report). The plumes associated with the former NWIRP Bethpage and Northrop Grumman facilities have TCE as the primary component of the total VOCs present, whereas Freon-113 is only a minor component. Investigations conducted in 2017 provided information to further support the estimated western edge of the Deep Western Plume.

The Deep Eastern Plume (OU3) is depicted in Figure 3-3 as ending north of Hempstead Turnpike; however, there is an absence of data to confirm the plume's southern extent.

The RE108 Area Hotspot (OU2) (a subset of the Deep Western Plume) and the RW21 Area Hotspot (OU3) (a subset of the Deep Eastern Plume) are also located in this depth interval. The TCE concentrations in the RE108 Area Hotspot (OU2) range from 1,000 to 8,200 µg/L and the TCE concentrations in the RW21 Area Hotspot (OU3) range from 1,000 to 13,200 µg/L.

Lower Deep VOC-Impacted Groundwater, Greater than 700 Feet bgs (see Figure 3-4): The spatial distribution for TCE in this depth interval generally follows the footprint of the 500 to 700 feet bgs depth interval; however, the TCE concentrations in this zone are present at a maximum concentration of 1,800 µg/L, which is substantially lower in concentration than the 500 to 700 feet bgs depth interval. For the Deep Western Plume (OU2), the presence of TCE at concentrations greater than 1,000 µg/L are believed to have been influenced by the operation of a nearby public water supply well (Bethpage Water District Well 6-2, screened from 700 to 770 feet bgs) pulling groundwater from the 500 to 700 feet bgs depth interval downward and eastward. Based on 2017 data, the boundary of the 1,000 µg/L contour was extended southward in response to increasing TCE concentrations in groundwater samples south of Hempstead Turnpike. For the Deep Eastern Plume (OU3), there were a few TCE MCL exceedances noted below 700 feet bgs.

3.2 MAPPING OF VOC PLUMES OVER TIME

Since 2001, the understanding of the OU2 Northrop Grumman and NWIRP Bethpage and OU3 Bethpage Community Park plumes has developed significantly based on data collected from new VPBs and groundwater monitoring wells installed during this time period. While migration of TCE-impacted groundwater to the south would be expected during this time period, pumping and natural attenuation processes that decrease concentrations would also occur.

Figures 3-5 through 3-8 depict temporal mapping of TCE in groundwater for the four depth intervals of: less than 300 feet bgs (Figure 3-5); 300 to 500 feet bgs (Figure 3-6); 500 to 700 feet bgs (Figure 3-7); and greater than 700 feet bgs (Figure 3-8). Each of the figures identifies the TCE plumes for the years 2001, 2006, and 2011 and 2017. The TCE contour lines were developed using available groundwater data for those years. Additional details for each of the maps for TCE are presented in Appendix B and data for the other VOCs are presented in Appendix A of this 2018 Annual Report, as well as the 2017 Annual Report. Major changes to the TCE plumes for the four depth intervals from 2001 through 2017 are discussed below.

Shallow VOC-Impacted Groundwater, 0 to 300 Feet bgs (see Figure 3-5): With the exception of the groundwater south of the Bethpage Community Park (OU3) and the GM38 Area Hotspot (OU2), the extent of the shallow TCE-impacted plume exhibits some relatively minor variations in the boundaries depicted in Figure 3-5 that result primarily from inclusion of new data and refinement of the edges over time. In 2001, the shallow TCE-impacted plume is depicted as extending south of Hempstead Turnpike; and there were two isolated areas of higher TCE concentrations (TCE greater than 100 or 1,000 µg/L), one near Hempstead Turnpike and one associated with the GM38 Area Hotspot (OU2).

Between 2001 and 2006, several VPBs were installed south of the Bethpage Community Park that identified TCE (and other VOCs) at concentrations greater than 100 and 1,000 µg/L in that area. Between 2006 and 2017, additional investigations south of the Bethpage Community Park were used to refine the boundaries of the greater than 100 and 1,000 µg/L contour lines in that area. In addition, TCE in groundwater samples collected from a monitoring well south of the Bethpage Community Park was less than 1,000 µg/L, and the corresponding contour line was removed. This reduction is likely associated with the operation of the Bethpage Community Park groundwater containment system (OU3).

The GM38 Area Hotspot (OU2) (TCE greater 1,000 µg/L) is shown on both the 2001 and 2006 maps. As a result of the startup of the GM38 Area Hotspot (OU2) Treatment System in 2009, the groundwater concentrations in this area are less than 100 µg/L in this depth interval in 2011 and 2017.

The southernmost plume boundaries depicted for 2001 and 2006 are nearly equivalent because only limited new data was available (one new well was added in that area during this time). Between 2006 and 2011, additional VPBs were installed in the southern portion of the plume area, confirming the absence or low (less than MCL) concentrations of TCE. By 2017, results from several new VPBs further refined the southern extent of the plume boundary, indicating the presence of two distinct lobes.

Intermediate-Depth VOC-Impacted Groundwater, 300 to 500 Feet bgs (see Figure 3-6): With the exception of the Deep Eastern Plume (OU3) and the GM38 Area Hotspot (OU2), the variations in the plume boundaries depicted in Figure 3-6 result primarily from new data that was collected over time. In 2001, the TCE groundwater plume is depicted as extending south of Hempstead Turnpike; and there were three isolated areas of higher TCE concentrations, near Hempstead Turnpike, the GM38 Area Hotspot (OU2), and Bethpage Water District Plant 6.

Between 2001 and 2006, several VPBs were installed south of the Bethpage Community Park that identified TCE (and other VOCs) greater than 100 and 1,000 µg/L in the Deep Eastern Plume (OU3). Between 2006 and 2017, the boundaries of the greater than 100 and 1,000 µg/L contour lines south of the Bethpage Community Park were better defined.

The GM38 Area Hotspot (OU2) (greater 1,000 µg/ contour line) is shown on both the 2001 and 2006 maps. As a result of the startup of the GM38 Area Hotspot (OU2) Treatment System in 2009, the corresponding 1,000 µg/L contour line in that area is no longer present in the 2011 and 2017 maps. By 2017, the 100 µg/L contour line remains, but the TCE and other VOC concentrations in the area continue to decrease.

Before 2006, there was only limited data to support the delineation of the Deep Western Plume (OU2) for this depth interval. Between 2001 and 2006, one well in this area had a TCE concentration greater than 1,000 µg/L, but concentrations quickly decreased to less than 1,000 µg/L by December 2003. The extent of the Deep Western Plume (OU2) was then identified and refined through subsequent investigations in the area. Also, investigations along the western boundary indicate that the Deep Western Plume (OU2) may

result from multiple sources, not all of them definitively associated with former NWIRP Bethpage and Northrop Grumman facilities.

Between 2001 and 2006, four monitoring wells were present in the southern portion of the plume areas. The 2006 TCE concentrations for the four wells ranged up to 1.4 µg/L and were similar to TCE concentrations in nearby VPBs (up to 2 µg/L) (Appendix B). Between 2006 and 2017, additional VPBs were installed in the southern portion of the plume areas, confirming the absence or low level concentrations of TCE (Appendix B).

Upper Deep VOC-Impacted Groundwater, 500 to 700 Feet bgs (see Figure 3-7): In 2001, the western portion of the TCE groundwater plume is depicted in Figure 3-7 as extending south of Hempstead Turnpike; there was one isolated area of higher TCE concentrations, extending from near the southwestern corner of the former Northrop Grumman facility south toward Hempstead Turnpike. This plume is referred to as the Deep Western Plume (OU2).

Between 2001 and 2006, two new wells were sampled in the southern portion of the Deep Western Plume (OU2). The 2006 results from the two wells reported an absence of TCE and confirmed the results of nearby VPBs (an absence of TCE) (Appendix B). Between 2006 and 2017, additional VPBs and wells were sampled in the southern portion of the Deep Western Plume (OU2). The detection of TCE in groundwater samples from the borings resulted in a slight widening of the plume boundaries south of Hempstead Turnpike. In addition, subsequent investigations found higher concentrations of TCE in a portion of the Deep Western Plume (OU2) which was identified as the RE108 Area Hotspot (OU2) (depicted in the 2017 map in Figure 3-7).

TCE concentrations in groundwater near the northern edge of the Deep Western Plume appear to be decreasing (Graph 3-1). TCE concentrations for groundwater samples from monitoring well GM75D2 (screened depth of 505 to 525 feet bgs) have decreased from approximately 40 µg/L in 2013 to approximately 20 µg/L in 2017. In 2003, groundwater samples from this well were measured to contain over 1,000 µg/L of TCE. The decrease in TCE concentrations in this area is likely attributable to the operation of OU2 ONCT Treatment System.

TCE concentrations in groundwater near the southern edge of the Deep Western Plume appear to be increasing (Graph 3-1). TCE concentrations for groundwater samples from monitoring well BPOW 3-4 (screen depth of 640 to 690 feet bgs) have increased from approximately 50 µg/L in 2013 to approximately 100 µg/L in 2017. This trend indicates that the Deep Western Plume (OU2) Plume is migrating southward in this area. As discussed in Section 4.1, two water supply plants located in proximity to this monitoring well are equipped with treatment to remove VOCs. In addition, planned groundwater response activities north of this monitoring well are expected to mitigate the plume migration.

As of 2006, there was limited evidence regarding the Deep Eastern Plume (OU3) at this interval depth. Between 2006 and 2017, supplemental investigations in the Deep Eastern Plume (OU3) identified and then refined the RW21 Area Hotspot (OU3).

Lower Deep VOC-Impacted Groundwater, Greater than 700 Feet bgs (see Figure 3-8): In 2001, the TCE groundwater plume in this depth interval is depicted in Figure 3-8 as a relatively small area near Hempstead Turnpike that resulted from one detection of TCE at a concentration of 120 µg/L and one detection of TCE at a concentration of 2 µg/L. Additional data collected through 2017, resulted in refinement of the areal extent of this initial area, and also identified the presence of more contaminated groundwater (TCE greater than 1,000 µg/L) in the area south of Bethpage Water District Plant 6. This more contaminated groundwater is referred to as the RE108 Area Hotspot (OU2).

As evidenced by TCE concentrations in groundwater samples from monitoring well RE103D3 (screen depth of 715 to 730 feet bgs) located near the center of the RE108 Area Hotspot, VOC concentrations in this area have remained relatively constant over the past four years (Graph 3-2).

As evidenced by TCE concentrations in groundwater samples from monitoring well TT101D2 (screen depth of 740 to 760 feet bgs) located near the southern edge of the RE108 Area Hotspot, VOCs concentrations appear to be increasing (Graph 3-2). TCE concentrations have increased from approximately 450 µg/L in 2013 to approximately 800 µg/L in 2017. This increasing trend indicates that the hotspot is migrating southward in this area. As discussed in Section 5.2, the Navy is installing a Hotspot Treatment System south of monitoring well TT101D2 to intercept this groundwater.

In addition, in 2015, the Navy installed several monitoring wells near the Southern State Parkway. Most of the wells are used as outpost locations to provide advance notice for water supply wells in the area. These outpost wells remain free of site-specific VOCs. Monitoring well RE117D1 (screened depth of 730 to 755 feet bgs) installed near the Southern State Parkway had TCE concentrations greater than the MCLs measured in several associated groundwater samples. TCE concentrations ranged from approximately 8 µg/L to 17 µg/L (Graph 3-3). Initially, TCE concentrations appeared to be increasing, but concentrations have leveled off since late 2016. Based on the data available, it is uncertain whether the VOCs in groundwater in the area of RE117D1 represent an isolated finger of the OU2 Plume or are connected to the OU2 Plume through an unidentified pathway. In addition, since this location is not consistent with the general south-southeast flow direction for the OU2 Plume, it could be associated with another non-OU2 Plume to the west.

3.3 VOC PLUME MIGRATION RATES

Groundwater and the associated VOC plume migration rates are estimated using hydrogeological data collected from Northrop Grumman and NWIRP Bethpage wells and values of aquifer hydraulic conductivities from recent field studies. Calculated plume migration rates may vary from the groundwater flow rates due to non-uniform flow pathways, dilution, area-wide pumping by supply wells, and targeted

VOC mass removal from groundwater by remedial wells. In 2017, the Navy continued its evaluation of groundwater flow. This evaluation is summarized below and more detail is provided in Appendix C.

Three rounds of groundwater level measurements were performed during 2017. The rounds were collected in May 2017 (when groundwater levels are typically at a yearly high), September 2017 (when groundwater levels are typically at a yearly low due to heavy groundwater use), and December 2017 (a transitional period when the aquifer is recharging).

The water levels were converted to elevation and plotted on regional maps to develop groundwater potentiometric contour maps. Using these data, groundwater elevation contour maps were developed for two subsurface depth intervals of 500 to 700 feet bgs and greater than 700 feet bgs. Potentiometric contour maps are used to estimate flow direction and calculate groundwater flow rates. These two depth intervals represent the location of the majority of the VOC plumes and the public water supplies.

The migration of VOCs in groundwater is dependent on several factors. On a microscopic scale, groundwater (and groundwater contaminants) moves through open pore spaces in saturated aquifer sediments comprising gravel, sand, silt, and clay in response to elevation and/or pressure-head differences (i.e., hydraulic gradients) between two locations. Over large areas, the “average linear velocity” provides an estimate of how long it would take groundwater (and a non-reactive chemical) to move in an aquifer. Average linear velocity is computed using hydraulic conductivity, hydraulic gradient (determined from a groundwater contour map), and effective porosity (i.e., specific yield).

Representative hydraulic gradients for the area south of Hempstead Turnpike based on 2017 data are presented in Figures 3-9 through 3-12. Figures 3-9 and 3-10 are based on the May 2017 measurements and Figures 3-11 and 3-12 are based on the September 2017 measurements. The results of this evaluation indicate that groundwater flow rates and directions are highly variable based on depth within the aquifer and location relative to pumping water wells. Overall, groundwater flow is to the south southeast near Hempstead Turnpike and then appears to shift to the south and then to the south southwest near Southern State Parkway. This deflection is likely in response to pumping at a local water supply well.

This evaluation provides valuable regional groundwater flow data and support groundwater flow rates. However, this evaluation is complicated because the manual groundwater level measurements are not truly synoptic (taken exactly at the same time). Operation of public water supply wells in the area vary throughout the day. As a result, measurements for some monitoring wells may represent “water supply pump off” conditions (high water), while the elevations in other monitoring wells may represent “water supply pump on” conditions and be lower. As a result, supplemental investigations are being conducted using continuous (one reading every five minutes) in-well data logger. The use of the data loggers was initiated in 2012 and is continuing to be expanded as new monitoring wells are installed. Preliminary findings are discussed below.

Several maps were constructed to interpret the effects of groundwater withdrawal on both the regional and local groundwater flow directions and patterns (Appendix C). Data from 2015 to 2017 used to construct these maps were obtained either during the three rounds of manual groundwater measurements, or as recorded by the data logger placed in selected wells.

Figure 3-13 was developed based on the regional groundwater flow maps, and illustrates the seasonal change in groundwater levels in the area south of Hempstead Turnpike. This map was constructed by contouring the drawdown (or difference) in groundwater elevations measured during the May 2017 round (maximum groundwater elevation) and the September 2017 round (minimum groundwater elevation) rounds. The drawdown is an indication of the local effects of pumping from water supply wells on groundwater flow.

The major features on the resulting map are the two regional groundwater sinks, or areas of more significant drawdown. These sinks are interpreted to primarily represent zones of groundwater capture or influence. Groundwater will either naturally flow or be drawn into or toward these sinks. The larger sink in the map results from the combined pumping of the South Farmingdale Water District (SFWD) Well 3-1 and New York American Water (NYAW) Well Nos. 3S and 4S. The smaller sink to the south results from the pumping of the SFWD Well Nos. 6-1 and 6-2. Based on the magnitude of the pumping by the water supply wells, some or all of the groundwater will be removed from the aquifer. Water that is not removed from the aquifer will continue to flow south, but in an altered flow path.

Based on the available data, the two groundwater sinks are mapped separately and are not interpreted to be connected. Under this interpretation, groundwater that flows into the northern sink will be removed from the aquifer and will not flow into the southern sink. However, this interpretation is constrained by the uncertainty introduced by the large periodic (even daily) fluctuations in groundwater levels that were measured by the data loggers and illustrated in Appendix C. Additional location specific migration rates are presented in Section 4.2.

3.4 USGS GROUNDWATER FLOW MODEL

The United States Geological Survey (USGS) has constructed a groundwater flow model for the Navy to simulate the zones of groundwater contribution to several of the water supply wells that are addressed in this report (USGS, 2017). Figure 3-14 of this report is based on Figure 16 from the USGS draft report, and represents the estimated maximum areal extent of the zones of groundwater contribution to the waters supply at New York American Water Nos. 3S and 4S, South Farmingdale Water District 3-1, and South Farmingdale Water District Nos. 6-1 and 6-2. As a result of pumping operations by these three water supply wells, the USGS model identifies three relatively large zones of contribution that intercept or are in the path of OU2 Plume in the 500 to 700 feet bgs depth interval. The modeling results suggested that New York American Water and South Farmingdale Water District 3-1 may intercept VOC-impacted groundwater from the OU2 Plume within the next five to ten years. Note that New York American Water Nos. 3S and 4S currently have detectable concentrations of TCE and the water is being treated to remove the VOCs. South

Farmingdale Water District 3-1 does not have detectable concentrations of VOCs, but treatment for VOCs is in place. The modeling effort did not predict whether South Farmingdale Water District Nos. 6-1 and 6-2, or further downgradient wells would be impacted by groundwater from the OU2 Plume.

4.0 CURRENT AND FUTURE IMPACTS TO DRINKING WATER FACILITIES

This section discusses well fields currently impacted or that may be impacted by VOCs associated with the former Northrop Grumman and NWIRP Bethpage facilities. This section also identifies those well fields with treatment systems in place to remove the VOCs migrating or potentially migrating from the former Northrop Grumman and NWIRP Bethpage facilities.

Figure 4-1 shows the former Northrop Grumman and NWIRP Bethpage facilities, the 2017 estimated extent of VOC groundwater plumes potentially associated with the former Northrop Grumman and NWIRP Bethpage facilities, and public water supply well fields near the former Northrop Grumman and NWIRP Bethpage facilities. The light blue east-west line on Figure 4-1 north of the former Northrop Grumman and NWIRP Bethpage facilities represents the regional Long Island groundwater divide, groundwater north of this line flows northward toward Long Island Sound and groundwater south of this line flows southward towards the Atlantic Ocean (Como, et al., 2015). As shown on Figure 4-1, the former Northrop Grumman and NWIRP Bethpage facilities are south of the line so groundwater flow is to the south; therefore, only well fields south of the groundwater divide are relevant to discussions in this section.

Shown on Figure 4-1 are public water-supply well fields with VOC treatment systems (red or yellow stars). In addition, the figure shows other public water-supply well fields south and potentially hydraulically downgradient of the former Northrop Grumman and NWIRP Bethpage VOC plumes that do not have treatment (green triangles) and are near or within the potential groundwater flow path (red dashed line). Locations represented by the green triangles are well fields that could be affected if VOC-impacted groundwater were to travel those distances from the former Northrop Grumman and NWIRP Bethpage facilities, without significant attenuation, at the depth of the extraction well screen. Because of these factors, this evaluation is very conservative and it is unlikely that all of these well fields would be impacted by former Northrop Grumman and NWIRP Bethpage VOC plumes. The area depicted within the red dashed lines near South Oyster Bay is widened to reflect uncertainty with the groundwater flow path in that area.

4.1 CURRENT IMPACTS

Due to VOC impacts of the groundwater or imminent threat of VOCs affecting groundwater quality, as discussed more fully below, well-head treatment systems have been placed at certain public water supply well fields operated by Bethpage Water District, South Farmingdale Water District, and New York American Water to ensure that MCL-compliant water (i.e., water that meets or exceeds Federal and State drinking water quality standards) is provided to their customers. In addition, quarterly groundwater monitoring of wells is conducted to evaluate whether or not additional upgrades would be required. These public water supply wells have been providing MCL-compliant water for over 25 years.

Bethpage Water District

Between 1990 and 1996, the Navy and Northrop Grumman funded treatment systems that were installed at the three impacted well fields operated by the Bethpage Water District Plants 4, 5, and 6 (Figure 1-2,

Bethpage Water District Well Nos. 4-1, 4-2, 5-1, 6-1, and 6-2). At Plant 4, due to increasing concentrations of VOCs associated with the Deep Eastern Plume (OU3), Bethpage Water District implemented an upgrade of the treatment system in 2010. At Plant 5, the treatment system is continuing to effectively treat the VOCs in groundwater. At Plant 6, due to increasing VOC concentrations, Bethpage Water District installed liquid-phase granular activated carbon (GAC) polishing in 2011, the cost of which the United States reimbursed. Bethpage Water District is also in the process of planning another upgrade of the treatment system for Plant 6, for which the United States has provided advanced funding.

South Farmingdale Water District

Pursuant to an agreement with South Farmingdale Water District, in 2011, based on the measurement of low-level VOCs in outpost monitoring wells, the United States funded South Farmingdale Water District's design, construction, operation, and maintenance of a VOC treatment system for two of the three wells at Plant 1 (Figure 1-2, South Farmingdale Water District Well Nos. 1-2 and 1-3). In order to provide advance warning of potential contamination at the third (deeper) well, in 2008, the Navy installed additional outpost wells to monitor the quality of the water that may be captured by the third well.

Pursuant to an agreement with South Farmingdale Water District, in 2013, based on the measurement of VOCs in outpost monitoring wells, the United States funded South Farmingdale Water District's design, construction, operation, and maintenance of a VOC treatment system at Plant 3 (Figure 1-2, South Farmingdale Water District Well No. 3-1).

New York American Water (formerly AQUA New York)

As a result of increasing concentrations of low-level (less than MCL) TCE in wells at the New York American Water (formerly AQUA New York) supply wells located at the Seaman's Neck Road Facility, the Navy constructed VOC treatment for an interim system in 2012 and completed the permanent system in 2015 (Figure 1-2, New York American Water Well Nos. 3S and 4S).

4.2 POSSIBLE FUTURE IMPACTS

In the area of the former Northrop Grumman and NWIRP Bethpage facilities, and from other nearby facilities that may also be contributing to the VOC-impacted plumes, groundwater regionally flows to the south and southeast. As a result, possible future impacts would be limited to those areas. The current TCE plume boundaries are presented in Figures 3-1 to 3-4. There are other plumes adjacent to and within the footprint of the OU2 Plume that have sources other than former NWIRP Bethpage and Northrop Grumman facilities. Hooker Ruco (a Superfund Site) and some local dry cleaners and gasoline stations are likely contributing to the footprint of the OU2 Plumes (Figure 1-3).

The following discussion focuses on a portion of the Deep Western Plume that is located generally south of Hempstead Turnpike, as impacts to water supply wells located north of this area have already been addressed. Also, the discussion focuses on the 500 to 700 feet bgs and the greater than 700 feet bgs depth intervals, because these deeper intervals correspond to location of the VOC plumes and public water

supply wells. In addition, there are an insufficient number of shallower data points to confidently contour those depth intervals.

The public water supplies that are currently not impacted by the former Northrop Grumman and NWIRP Bethpage groundwater plumes, but are relatively closer to the downgradient edge of the plume are SFWD Well 1-4, and SFWD Well Nos. 6-1 and 6-2 (Figure 1-2). These wells do not currently have treatment systems in place, but outpost monitoring wells were installed to provide early indication of whether and when treatment might be necessary for each of these well fields (Figures 3-2 to 3-4). The outpost monitoring wells are placed at depths associated with the public water supply wells and are located between the plumes and the public water supply wells such that VOCs would have to flow through outpost monitoring wells several years prior to entering the public water supply wells. The advance notice of VOCs provides early warning that an action is needed.

As the various groundwater plumes move to the south and southeast, they are undergoing dilution and are affected by pumping and the VOC mass removal systems that serve to weaken them. In addition, portions of the plumes are being intercepted by water supply wells with treatment that would further hinder migration. Each of these actions reduces the intensity of the plumes. The result is that many of the water districts and water supply wells to the south may never be impacted, or if they are impacted, the effects from the plumes may not be seen for decades.

The effects on groundwater flow rates and directions caused by the pumping of the water supply wells located south of Hempstead Turnpike are presented and discussed in Section 3.0. Figure 4-2 depicts the OU2 Plume and groundwater sinks identified south of Hempstead Turnpike. The OU2 Plume extension into the northern sink results from the pumping of water supply wells South Farmingdale Water District Well 3-1 and New York American Water Well Nos. 3S and 4S. These water supply wells are already equipped with treatment systems to remove the VOCs. A portion and potentially all of the OU2 Plume is subsequently removed from the aquifer before it can migrate any further to the south. However, the data collected to date is currently insufficient to determine whether complete capture of the OU2 Plume will occur within the northern sink, or whether (and how far to the south) the plume may migrate beyond the sink during the spring and winter seasons, when pumping rates are reduced. Additional drawdown occurs in the vicinity of South Farmingdale Water District Nos. 6-1 and 6-2 (which do not have a treatment system). The potential exists for groundwater within this sink (including some portion of the Deep Western Plume) to be withdrawn by these wells.

For South Farmingdale Water District Plant 6, based on site-specific hydrogeological calculations presented in Appendix C, groundwater in this area could travel from the currently known edge of the OU2 Plume to South Farmingdale Water District Wells 6-1 and 6-2 (a distance of 2,800 feet) in approximately 7 years. However, plume migration in this area would be hindered by the operation of South Farmingdale Water District Plant 3 and New York American Water (both with VOC treatment), and it is unclear whether or not the plume would ever reach South Farmingdale Water District Wells 6-1 and 6-2. Because of uncertainty

inherent in this type of calculation, outpost wells are in place to provide five-year advance notice so that installation of treatment at these supply wells can be initiated, if necessary.

As to Massapequa Water District Wells 4 and 5, it is unclear whether the VOC plume could reach these wells due to the intervening groundwater sinks caused by the pumping of the supply wells discussed above. There is uncertainty whether the pumping of the Massapequa Water District Wells 4 and 5 contribute to and/or become part of the large groundwater sink located near Southern State Parkway. These wells may be too far to have an effect on the southern groundwater sink. There are insufficient empirical data at this time to confirm either interpretation, and this wellfield is not part of the United States Geological Survey flow simulation model. In addition, operation of the RE108 Area Hotspot Treatment System would be expected to further limit mass flow of VOCs toward the South Farmingdale Water Districts and New York American Water District Plants, and thereby further limit VOC mass flow toward Massapequa Water District.

VOCs in the 0 to 300 feet bgs plumes are not expected to impact the South Farmingdale Water District and Massapequa Water District wells since the VOC concentrations in the Shallow Plumes are low, and movement of VOCs from the shallow aquifer zone to deep water supply wells is inhibited by the presence of low-permeability, clay-rich layers and substantially lower vertical hydraulic conductivities.

5.0 COMPREHENSIVE STRATEGY FOR OFFSITE GROUNDWATER

5.1 OVERVIEW AND REMEDIAL ACTION OBJECTIVES

There are several RODs that address groundwater potentially impacted by VOCs beneath both former NWIRP Bethpage and Northrop Grumman facilities and also address groundwater potentially impacted by VOCs that had migrated beyond both facilities into the surrounding community. In 2001, NYSDEC issued its OU2 ROD to select the groundwater remedy and set forth the public water supply protection program.

Under its CERCLA authority, the Navy evaluated and adopted significant portions of the NYSDEC OU2 2001 ROD that could be implemented by the Navy. The Navy OU2 ROD (2003) selected cleanup actions to address contamination at and from the NWIRP Bethpage. The Navy OU2 remedial program implements a remedy for groundwater that is protective of human health and the environment, is permanent and cost-effective, and complies with Applicable and Relevant and Appropriate Requirements (ARARs). The primary goal of the remedy is to effectively mitigate significant threat to public health and the environment through the proper application of scientific and engineering principles.

The Navy ROD addresses onsite and offsite OU2 VOC-contaminated groundwater, and specifies the following remedial action objectives to protect human health and the environment:

- Eliminate, to the extent practicable, site-related contaminants from the affected public water supplies and to prevent, to the extent practicable, the future contamination of public water supplies through the implementation of the offsite groundwater remediation.
- Eliminate, to the extent practicable, exposures to contaminated groundwater.
- Eliminate, to the extent practicable, off-site migration of contaminated groundwater and, where practicable, to restore the groundwater to pre-disposal conditions.
- Eliminate, to the extent practicable, exceedances of applicable environmental quality standards related to releases of contaminants to the waters of the state.
- Eliminate, to the extent practicable, detections of site-related VOC contamination affected drinking water supplies using U.S. EPA Method 502.2 to a detection limit of 0.5 µg/l.

5.2 COMPREHENSIVE STRATEGY AND REMEDIAL ACTIONS

The Navy and Northrop Grumman have implemented multiple response actions as part of their groundwater cleanup programs to achieve the Remedial Action Objective (RAOs) in the off-facility groundwater. RAOs are site-specific goals based on the chemicals of concern (COCs), the impacted media, COC fate and transport, potential exposure routes, and receptors. RAOs provide a clear and concise description of what the remedial action should accomplish. The remedial program to address offsite groundwater contamination includes the following:

- The OU2 ONCT System to minimize migration of VOC impacted water downgradient, thus weakening the offsite plumes.

- An active remedial program including design, implementation, and operation and maintenance (O&M) of an extraction well system near the GM38 location (operating since 2009) that further weakens the plume. The extraction wells have removed significant VOC mass from the aquifer.
- Development and implementation of a Public Water Supply Contingency Plan (PWSCP) (ARCADIS, 2003) that provides for the use of VPB and monitoring well data along with groundwater modeling to target outpost monitoring well locations and trigger values.
    - Installation of outpost monitoring wells that can provide early notice of any impending impacts to public water supplies from the VOC plume.
    - A provision for wellhead treatment for public water supply systems or alternative approach pursuant to the PWSCP.
- Installation of VPBs and monitoring wells to continue identification and monitoring of the spatially and temporally evolving VOC plumes and to determine the need for future outpost monitoring wells.
- Detailed reviews conducted every five years to evaluate the effectiveness of the offsite groundwater remedial program and assess whether the remedy continues to be protective of human health and the environment in accordance with CERCLA standards.
- Implementation of well head treatment at public water supply wells.
- An optimization study to evaluate the effectiveness of the groundwater remedial program.
- Evaluation of the other areas of groundwater, to determine whether another hotspot is present.

The Navy, with review and input from NYSDEC and U.S. EPA, continues to work to optimize the remedy, as required. For example, in response to the discovery of the RE108 Area Hotspot (OU2), the Navy is designing an extraction, treatment, and discharge system for VOC mass removal. This RE108 Area Hotspot (OU2) System will further weaken the plume and limit its southward migration.

5.2.1 Northrop Grumman Onsite Containment System

Northrop Grumman operates the OU2 ONCT system at the south and southwestern border of the former Northrop Grumman and NWIRP Bethpage facilities as a component of the NYSDEC OU2 2001 ROD. The OU2 ONCT system was originally constructed as an Interim Remedial Measure consisting of four extraction wells and two treatment systems that started operation in 1998. In 1998, approximately 3,375 gpm of VOC-impacted groundwater were treated. Later a fifth well was added and the system currently treats 3,700 gpm of VOC-impacted groundwater. By containing the portion of the plume(s) that are onsite, the potential future VOC load to the downgradient public water supplies is reduced.

The OU2 ONCT data, as reported and evaluated by Northrop Grumman, indicate that the onsite portion of the OU2 groundwater remedy is an effective hydraulic barrier that controls the offsite migration of VOC-

impacted groundwater to depths of approximately 600 feet bgs. The concentration of VOCs in downgradient monitoring wells screened to a depth of approximately 500 feet bgs or less have been decreasing as would be expected based on the operation of the OU2 ONCT System. Similarly, the concentrations of VOCs in Bethpage Water District Well 6-1 (screened from 328 to 381 feet bgs) are decreasing as expected, from approximately 200 µg/L in 2001 to 32 µg/L in 2016.

5.2.2 GM38 Area Hotspot (OU2) Treatment System Design, Implementation, and Operation and Maintenance

In 2009, the Navy started operation of the GM38 Area Hotspot (OU2) Treatment System, which is approximately 8,500 feet south-southeast and hydraulically downgradient of NWIRP Bethpage (Figure 1-2). The system includes two recovery wells. Extracted groundwater is treated to remove VOCs and is then returned to the groundwater by discharge through Nassau County Recharge Basin #495. Samples are collected from eight monitoring wells to determine its effectiveness. From 2009 to December 2017, approximately 4.0 billion gallons of groundwater containing 10,800 pounds of VOCs were effectively extracted and treated. Quarterly and Annual Reports on the operation and maintenance of the GM38 Area Hotspot (OU2) Treatment System are submitted to NYSDEC.

5.2.3 Public Water Supply Contingency Plan

The PWSCP provides for installation and monitoring of outpost (or sentinel wells) (ARCADIS, 2003). These wells are proximal to water supply wells, and trigger values (or action levels) were established in certain wells that would identify the need for discussions between the Navy, Northrop Grumman, and the affected water district about wellhead treatment or other alternatives. The trigger values provide an approximate five-year warning prior to an expected VOC detection of 0.5 µg/L in the public water supply wells. In 2015, additional preliminary trigger values were established for South Farmingdale Water District Plant 6 and Massapequa Water District (Resolution, 2015).

5.2.4 Installation of Vertical Profile Borings, Monitoring Wells, and Long-Term Monitoring

The Navy program of installing VPBs and associated monitoring wells is ongoing. Additionally, Northrop Grumman has installed its own VPBs and monitoring wells and provides reporting for its own monitoring well program. The Navy and Northrop Grumman report the results of their monitoring programs to NYSDEC and other parties, including the affected and potentially affected water districts. These investigations are also used to identify potential new hotspots, and if found, to delineate the extent of the impacts.

A Long Term Monitoring (LTM) program is ongoing to further define the configuration of the groundwater plumes and to determine effectiveness of remedial measures implemented to date. In the LTM program, there are a total of approximately 197 wells, which are sampled quarterly, semiannually, or annually by Northrop Grumman and Navy, and reported on a quarterly and annual basis.

5.2.5 Five-Year Review

In accordance with CERCLA requirements for sites where chemicals remain at concentrations above unrestricted levels, the Navy most recently conducted a five-year review in 2013 (Resolution, 2014). The review evaluated the effectiveness of the groundwater remedy in protecting human health and the environment. The detailed study concluded that the response actions implemented to meet RAOs are still valid for offsite groundwater, and ensure continued protectiveness by limiting exposure potential to contaminated groundwater.

The review proposed these follow-up actions for offsite groundwater:

- Continue to install VPBs and wells to further delineate the extent of the plume, monitor plume migration and attenuation, and serve as sentry points for public water supply wells. Establish trigger values for the new outpost wells and update the PWSCP.
- Continue to investigate capture by the OU2 ONCT system.
- Complete the delineation of the RE108 Areas Hotspot (OU2) with concentrations greater than 1,000 µg/L of VOCs in the area of Bethpage Water District Plant 6 and pursue implementation of a mass removal system in this area.

The Navy has either implemented or is currently pursuing these actions. The next Five-Year Review is scheduled for completion in 2018.

5.2.6 Wellhead Treatment of Public Water Supplies

Wellhead treatment systems were installed and are operating at Bethpage Water District Plants 4, 5, and 6, South Farmingdale Water District Plants 1 and 3, and New York American Water facility at Seamans Neck Road (Figure 4-1). NYSDEC's Water Quality Regulations that are contaminant-specific are currently being met at these water supply wells through air stripping and/or GAC treatment technologies. The water that is distributed to the community is tested at least monthly to ensure that the drinking water standards promulgated by the NYSDOH are met. The water supplied by these facilities meets all the applicable drinking water standards.

5.2.7 Remedy Optimization

The Navy has reassessed the OU2 groundwater remedy to review its effectiveness on two occasions since the implementation of the OU2 remedy. The first assessment was detailed in the Remedy Optimization Team Report for the Bethpage Groundwater Plume Remedy (Gavaskar, et al., 2011). For this study, the Navy convened a team of independent nationally-recognized experts to evaluate the effectiveness of the ongoing remedy for the plumes and recommend potential future steps for optimizing the remedy. In addition to the Navy, this team consisted of third-party technical experts from H2M Group, United States Geological Survey, GSI Environmental Inc., Battelle Memorial Institute, and Virginia

Polytechnic Institute and State University. The Optimization Report developed by this team recommended the following:

- Installation of VPBs and monitoring wells to evaluate containment in the deeper portion of the OU2 aquifer.
- Installation of monitoring wells/clusters midway between the leading edge of the plume and Massapequa Water District supply wells to monitor plume progress.
- Evaluation of technical/economic feasibility of plume containment at the current leading edge.
- Enhance the outpost monitoring well network to improve early detection of potential impacts to downgradient public water supply wells.
- Enhance the use of existing infrastructure, such as enhanced pumping at public water supply wells with VOC treatment in place, to increase the capture of VOC-impacted groundwater and reduce associated migration.

To optimize performance of the outpost wells, the Navy has been implementing a more robust outpost well program upgradient of each public water supply well field, and conducting connectivity testing between the wellfield and the outpost wells. The Navy is also conducting discussions with the water districts and appropriate regulators to evaluate the possibility of enhanced pumping which could reduce plume migration.

Based on the recommendations in the Optimization Team Report, the Navy developed the Study of Alternatives for Management of Impacted Groundwater at NWIRP Bethpage (Tetra Tech, 2012) to evaluate the technical and economic feasibility of alternatives for management of impacted groundwater downgradient of the former Northrop Grumman facility, former NWIRP Bethpage facility, and other sources. The study concluded that the OU2 ROD remedy remains protective of the public water supplies in the area (i.e., that considerable plume capture is already ongoing via the OU2 ONCT, hot spot treatment, and capture in treatment systems for potentially impacted public water supply wells). Since 2011, the Navy has carried out or is carrying out the following activities for OU2 Groundwater:

- Continued operation of the GM38 Area Hotspot (OU2) Treatment System and sampling of GM38 monitoring wells.
- Strategic installation and sampling of approximately 39 VPBs, 13 outpost wells, and 56 monitoring wells throughout the area.
- Construction and operation of the New York American Water Interim and Final Wellhead Treatment Systems. The final system is operating in compliance with the ROD and the NCDOH permit.

- Funding the South Farmingdale Water District Plant No. 1 Wellhead Treatment System. The system is operating in compliance with the NCDOH permit.
- Funding the South Farmingdale Water District Plant No. 3 Wellhead Treatment System. The system is operating in compliance with the NCDOH permit.
- Funding the Bethpage Water District Plant No. 6 Wellhead Treatment System GAC polishing unit and the upgrade of the treatment system. The current treatment system is operating in compliance with the NCDOH permit.
- Advance funding the Bethpage Water District Plant No. 6 Wellhead Treatment System. Although the existing treatment system is operating in compliance with the NCDOH permit, the equipment is nearing the end of its functional life and requires replacement. In addition, the new system will include controls to limit air emissions.

5.2.8 Evaluation of Potential Hotspots

The Navy OU2 ROD anticipated that new hotspots may be identified in the future. The potential presence of the RE108 Area Hotspot was initially identified in 2011, based on sustained concentrations of TCE in Bethpage Water District Well 6-2. The concentration of TCE in Bethpage Water District Well 6-2, (screened from 700 to 770 feet bgs) prior to treatment, increased from less than 50 µg/L prior to 2006 to approximately 400 µg/L in 2007 to 2009, to 800 µg/L in 2010, and approximately 1,000 to 1,200 µg/L in 2011 to 2013, respectively. Under sustained pumping, the TCE concentration has remained greater than 1,000 µg/L since 2013. In 2016, the pre-treatment TCE concentration in this well was 1,280 µg/L. In 2011, in response to the higher concentrations of TCE in Well 6-2, liquid phase GAC was added to the treatment system to ensure effective treatment of the groundwater prior to distribution and reduce the migration of VOC impacted groundwater. Pursuant to a 2017 agreement, the United States provided advance funding for an additional upgrade to the treatment system.

The RE108 Area Hotspot (OU2) is defined by the 1,000 µg/L contour line, as shown on Figures 3-3 and 3-4. A VOC mass removal treatment system for this groundwater is being designed.

5.3 BETHPAGE COMMUNITY PARK OU3 ROD

The NYSDEC Bethpage Community Park OU3 ROD selected as the remedy the operation of an onsite containment system (OU3) and a system to capture and treat the RW21 Area Hotspot (OU3) groundwater to the maximum extent practicable (Figure 3-3). Northrop Grumman's operation of the Bethpage Community Park OU3 onsite containment system is a continuation of an Interim Remedial System that started operation in 2009. The extraction wells are located along the southern border of the Bethpage Community Park (Figure 1-2). The OU3 onsite containment system captures VOC-impacted groundwater to a depth of approximately 145 feet bgs (ARCADIS, 2016)

The RW21 Area Hotspot represents the area of higher concentrations within the Deep Eastern Plume (OU3). Northrop Grumman is in the process of designing and constructing the RW21 Area Hotspot (OU3) Treatment System.

5.4 OTHER STRATEGIES CONSIDERED

Several parties have suggested that full plume containment could be implemented as a potential remedy to prevent future impacts to public water supplies south of the former Northrop Grumman and NWIRP Bethpage facilities. This potential response action was evaluated by NYSDEC in a 2016 Remedial Options Report (HDR [Henningson, Durham, and Richardson Architecture and Engineering P.C.], 2016). As identified in comments on the report, the Navy, Northrop Grumman, and other parties who reviewed this report did not agree with its conclusions. The Navy continues to believe that hydraulic containment of the plume is not practicable because the plumes have evolved into a large, deep, fragmented, and complex collection of groundwater impacts, which continue to evolve and would waste enormous amounts of potable water, and could severely damage Long Island's sole-source aquifer. As discussed above in Section 4.0, it is unclear whether or not many of the downgradient supply wells will even be impacted by the plumes in the future.

Strategies for clean-up of the plumes have been carefully chosen based upon input from a group of highly qualified engineers and scientists, including personnel from U.S. EPA, U.S. Army Corps of Engineers (USACE), NYSDEC, NYSDOH, USGS, and NCDOH, as well as technical representatives from affected and potentially effected water districts. In 2012, the Navy (with concurrence from NYSDEC, U.S. EPA, USACE, and USGS) completed an analysis of remediation technologies, including an evaluation of full plume containment. Full containment was found to be technically and practicably infeasible due to the highly porous nature of Nassau County's geology and the tremendous amount of groundwater pumping that occurs in the region. A full containment approach could create significant negative effects including saltwater intrusion, adverse impacts to sensitive environmental receptors, and reduction of groundwater in the aquifer for drinking water consumption without improving human health protection.

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6.0 SUMMARY

On June 14, 2017, the Navy submitted the first Annual Report in response to Title IV, Section 5009 of the Water Infrastructure Improvements for the Nation (WIIN) Act of 2016, which requires the Secretary of the Navy to submit annual reports through 2021 to the United States Congress. This 2018 Annual Report presents an updated evaluation of groundwater quality and migration.

In accordance with requirements of the 2016 WIIN Act, this report provides the following:

- A description of the status of the groundwater contaminants that are leaving the site and migrating to a location within a 10-mile radius of the site, including:
  - detailed mapping of the movement of the plume over time, and
  - projected migration rates of the plume;
- An analysis of the current and future impact of the movement of the plume on drinking water facilities; and
- A comprehensive strategy to prevent the groundwater contaminants from the site from contaminating drinking water wells that, as of the date of the submission of the report, have not been affected by the migration of the plume.

The contaminants are VOCs identified in the RODs issued by the Navy or NYSDEC that have migrated from the former NWIRP Bethpage and Northrop Grumman facilities southward. The VOC releases from these facilities form a 3,000-acre plus area of VOC-impacted groundwater that extends south of Hempstead Turnpike. The groundwater impacts extend to a depth of approximately 750 feet, but are not continuous throughout this area and are not present at all depths. There are other nearby known or suspected sources that have contributed to regional groundwater impacts including Hooker Ruco Superfund Site and various current and former dry cleaners and gasoline stations in the area. Plume migration rates may vary from the groundwater flow rates due to non-uniform flow pathways, chemical dispersion, area-wide pumping by supply wells, and targeted VOC mass removal from groundwater by remedial wells.

VOCs from the former NWIRP Bethpage and Northrop Grumman facilities have impacted groundwater quality at public water supply well fields operated by Bethpage Water District and New York American Water and are anticipated to impact public water supply well fields operated by South Farmingdale Water District in the near future. Wellhead treatment systems to remove VOCs to comply with Federal and State MCLs have been installed at impacted or soon to be impacted well fields. Outpost monitoring wells, quarterly groundwater sampling, monthly public water supply testing and an ongoing and extensive VPB groundwater sampling program are currently used to continuously monitor and alert nearby water districts and the Navy of the detection of site-related VOCs.

Northrop Grumman reports that the OU2 ONCT System captures known impacted groundwater associated with the former NWIRP Bethpage and Northrop Grumman facilities and that the Bethpage Community Park OU3 containment system captures impacted groundwater from that former Northrop Grumman facility. For

VOC-impacted groundwater that has migrated past the containment systems, the following actions are being taken:

- The Navy is operating the GM38 Area Hotspot (OU2) Treatment System.
- The Navy is designing Phase I of the RE108 Area Hotspot Treatment System to be located north of Hempstead Turnpike and is planning Phase II, both of which will address areas with elevated VOC-impacted groundwater.
- Northrop Grumman is designing and constructing the RW21 Area Hotspot (OU3) Treatment System.
- Exposure to VOC-impacted groundwater is limited by NCDOH regulations that require monitoring and treatment of the public water supplies, and the public is not exposed to VOC-impacted groundwater due to its depth and wellhead treatment implemented at Bethpage Water District Plants 4, 5, and 6, South Farmingdale Water District Plants 1 and 3, and at New York American Water on Seaman's Neck Road.
- A groundwater monitoring/detection program and additional VPB/well installations are being conducted to continue assessing groundwater quality and identifying any additional actions that may be required.

The Navy continues to implement the remedy selected in its OU2 ROD for this complex site, to protect human health and the environment. The Navy will continue working closely with NYSDEC, NYSDOH, local water districts, and other stakeholders, to coordinate ongoing and future remedial actions. Through implementation of this comprehensive remedial strategy, the drinking water in the area complies with all Federal and State drinking water standards, and is therefore safe to drink.

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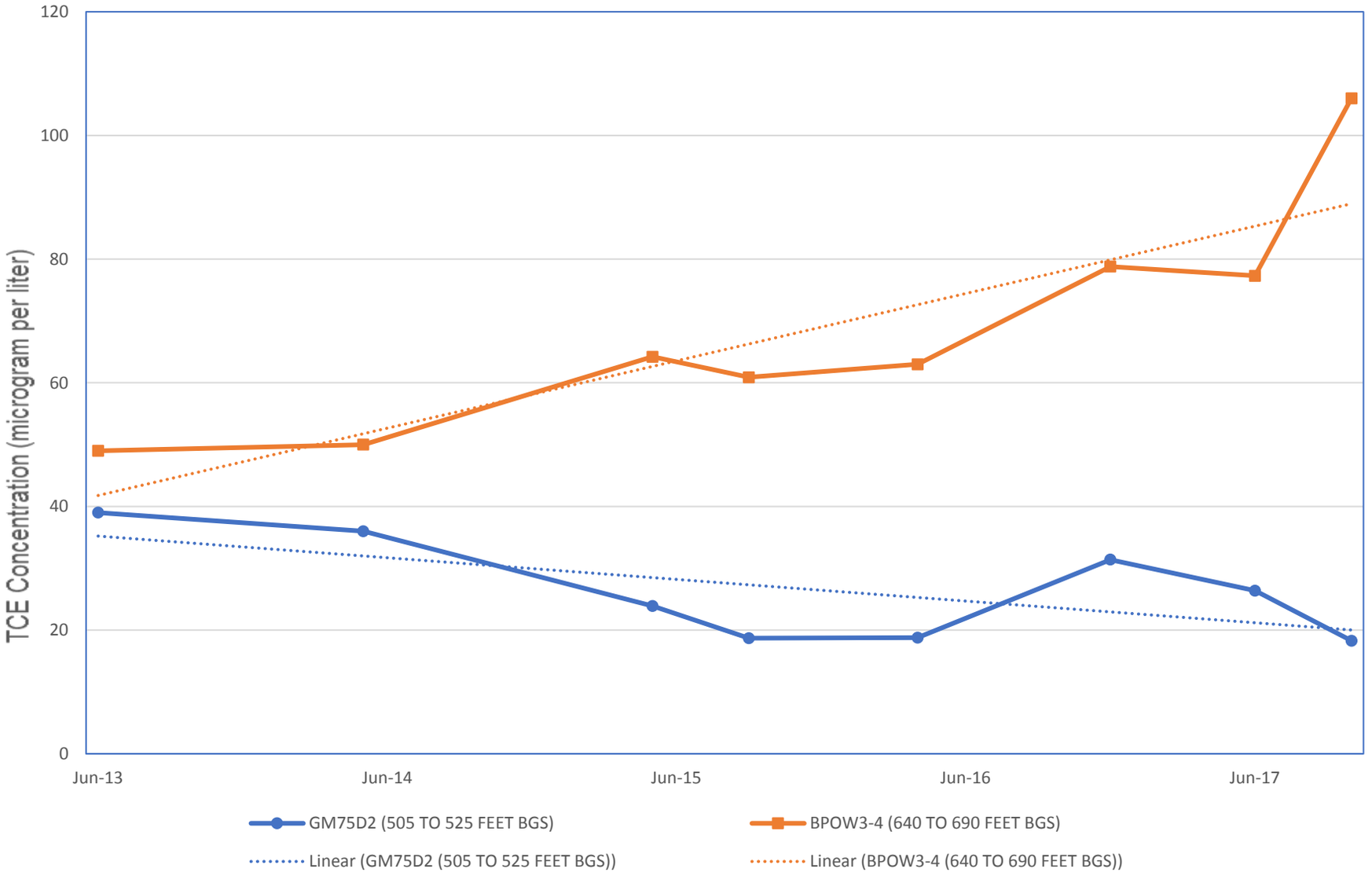
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U.S. EPA, 2017. TENORM: Fertilizer and Fertilizer Production Wastes. Web, last updated October 30. Accessed 18 January 2018. https://www.epa.gov/radiation/tenorm-fertilizer-and-fertilizer-production-wastes#tab-1

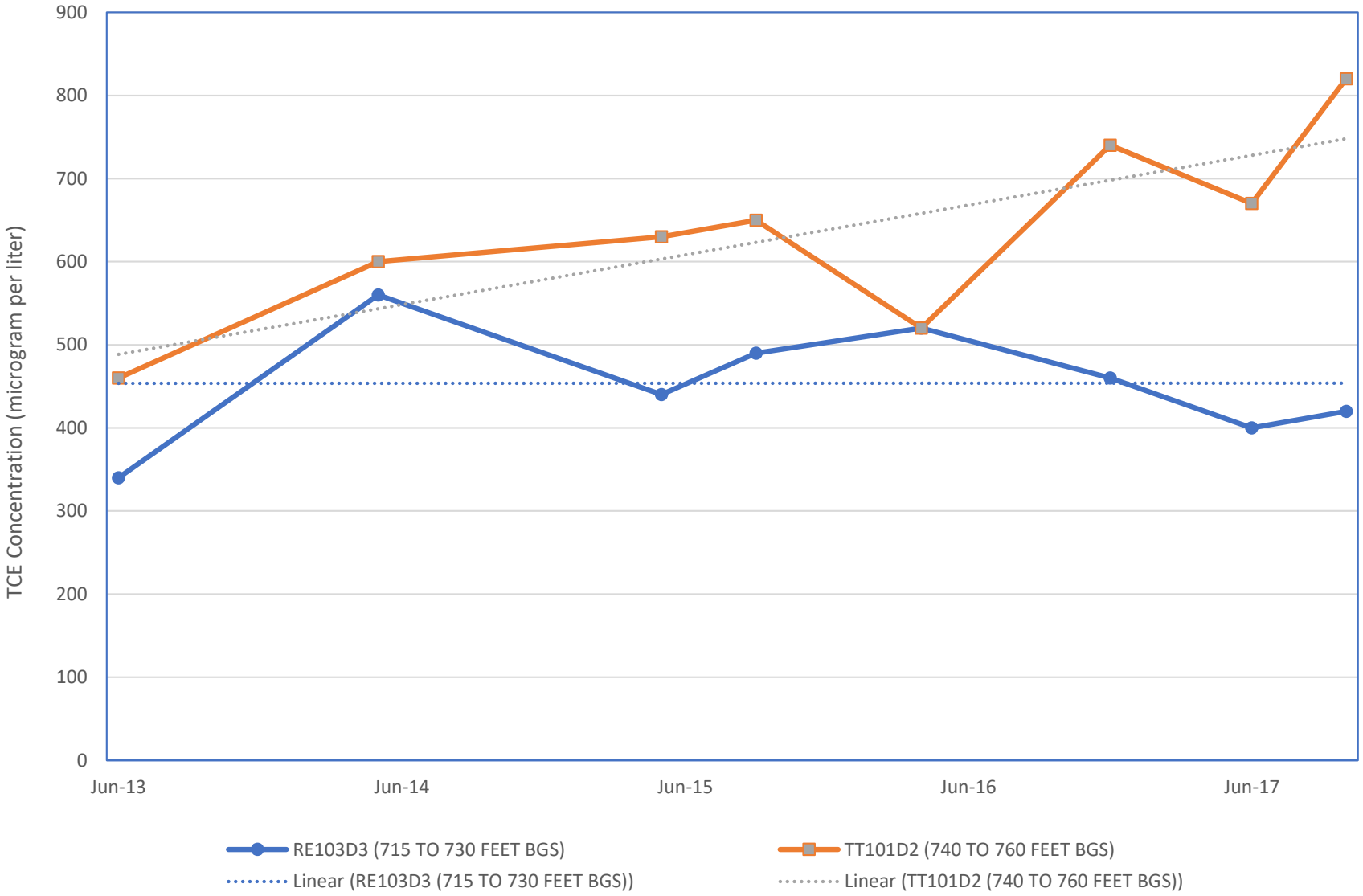
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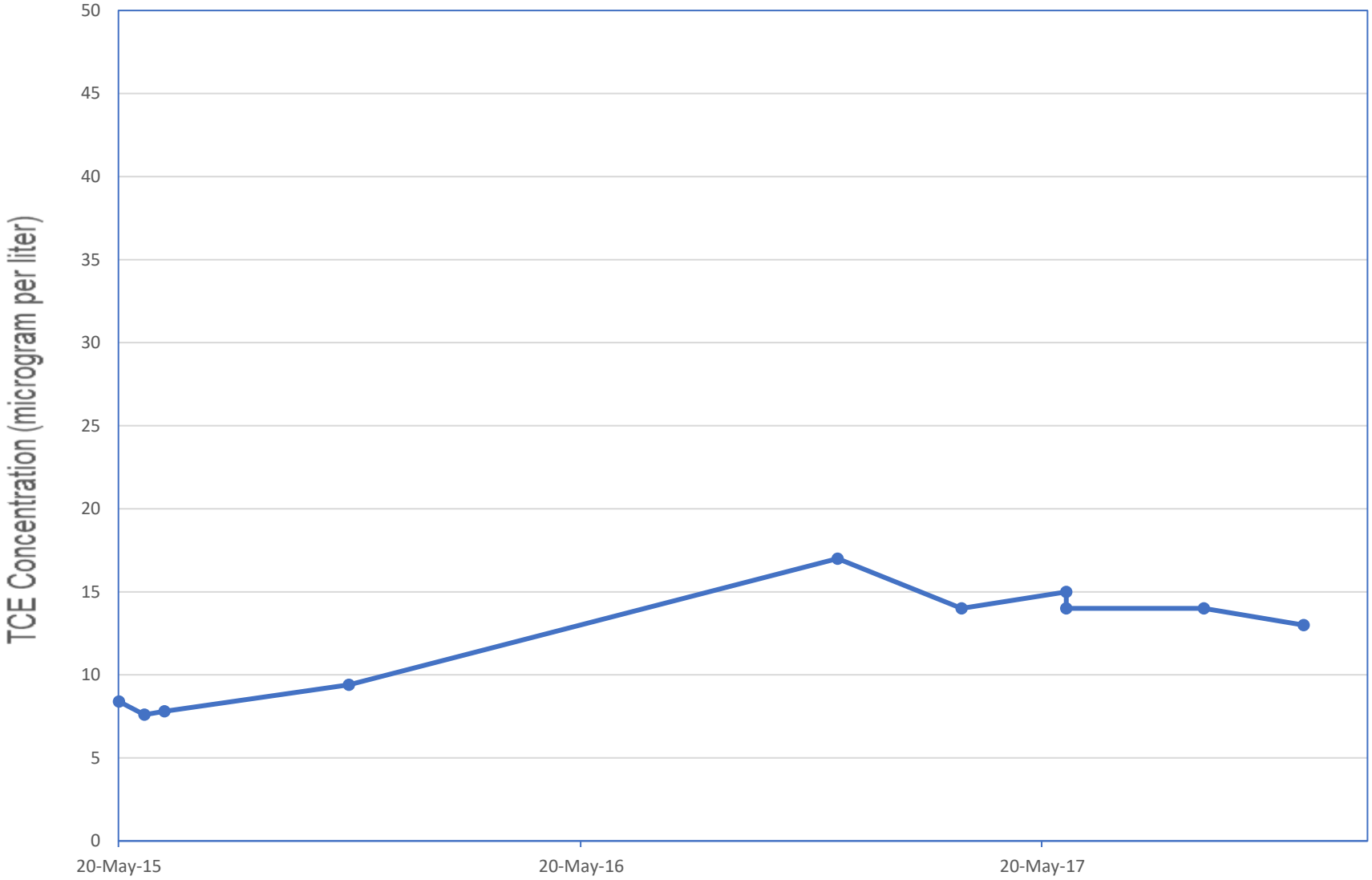
GRAPH 3-1
TREND ANALYSIS OF LOW LEVELS OF TCE IN THE DEEP WESTERN PLUME (500 TO 700 FEET BGS)



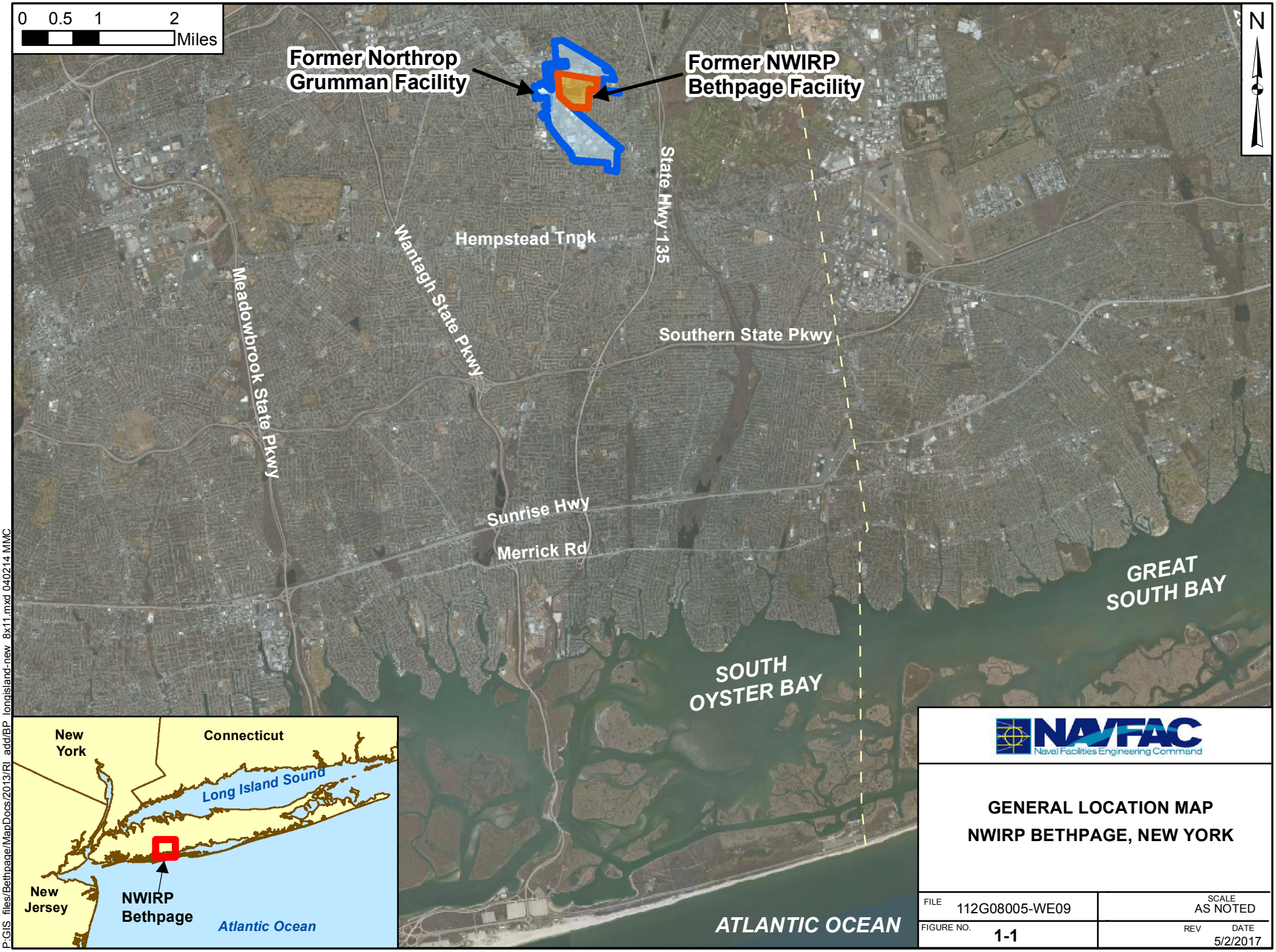
GRAPH 3-2
TREND ANALYSIS OF MODERATE LEVELS OF TCE IN THE DEEP WESTERN PLUME (GREATER THAN 700 FEET BGS)



GRAPH 3-3
TREND ANALYSIS OF TCE IN MONITORING WELL RE117D1 (730 TO 750 FEET BGS)



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NAVFAC
Naval Facilities Engineering Command

GENERAL LOCATION MAP
NWIRP BETHPAGE, NEW YORK

FILE	SCALE
112G08005-WE09	AS NOTED
FIGURE NO. 1-1	REV / DATE 5/2/2017

Aerial photograph from 2016 New York Statewide Digital Orthoimagery Program (NYSDOP)

N

Former Northrop Grumman Facility

S Broadway

te Hwy 135

HWD-9-2

HWD-9-3

BWD-8

BWD-7

BWD-1

Site 3

Site 2

Site 1

Site 4

Hooker Ruco Superfund Site

Bethpage Community Park

Former NWIRP Bethpage Facility (105-acre Parcel)

On-Site Containment System

GM38 Area Hotspot Groundwater Treatment Plant

BWD-4-1

BWD-4-2

BWD-6-1

BWD-6-2

BWD-5-1

LWD-5A

Hempstead Tpke

SFWD-1-4

SFWD-1-2

SFWD-1-3

LWD-7A

LWD-8A

Hicksville Rd

LWD-13

SFWD-3-1

NYAW-4S

NYAW-3S

SFWD-6-1

SFWD-6-2

Southern State Pkwy

Legend

- Public Water Supply Well
- Outpost Well
- Response Action Wells
- Bethpage Community Park (1962 Northrop Grumman Property)
- Hooker Ruco Superfund Site
- 1997 Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Property
- 1997 Northrop Grumman Property

0 750 1,500 3,000 Feet

NAVFAC Naval Facilities Engineering Command

SITE LOCATION MAP
NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE09	SCALE	AS NOTED
FIGURE NO.	1-2	REV	DATE 5/8/2018

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N

130113 - Cantiague Road Plume Trackdown

130172 - Solvent Finishers

130186 - American Drive-In Cleaners

130201 - Former Morton Village Cleaners

V00089 - 70-140 Cantiague Rock Rd/Former Sylvania

130040 - Air Techniques, Inc. (Old Sylvania Site)

130021 - Anchor Lith Kem Ko (Anchor Chem)

130020 - General Instruments Corp.

130029 - AGO Associates

130178 - Sulzer Metco, Inc.

C130141 - 230 Duffy Avenue

130004 - RUCO Polymer Corp. (Hooker Chem)

C130178 - 1101 Prospect Avenue

130179 - Metco

DRY CLEAN CENTRAL

130027 - Alsy Manufacturing, Inc.

130048 - Bowe Systems and Machinery

130195 - Former Aluminum Louvre Corporation

130043 - New Cassel Industrial Area

R&J CLEANERS

130015 - Claremont Polychemical Corp.

CINDY CLEANERS

SUMMIT CLEANERS

BROADWAY PLAZA CLEANERS

130003D - Town of Oyster Bay Ice Skating Center

J CLEANERS & TAILORS

130003B - Naval Weapons Ind. Reserve Plant

130042 - Nassau County Fire Training Center

130215 - New Cassel/Hicksville Ground Water Contamination

130062 - Arba Dry Cleaners

V00416 - Coral Graphics, Inc. (327 New South Rd)

V00383 - Coral Graphics, Inc. (840 Broadway)

DLC DRY CLEANING & LAUNDRY

130003C - Northrop Grumman Steel Los Plant 2

130003A - Northrop Grumman - Bethpage Facility

SMILE CLEANERS

TAHOE CLEANERS & TAILORING

130107 - Farmingdale Plaza Cleaners

130049 - American Drive-In Cleaners

V00347 - Melody Cleaners

130005 - Liberty Industrial Finishing (4 J's Co.)

130064 - Wantagh Cleaners

130102 - Village Valet Cleaners (Former Omni Site)

130114 - Jim Jam Cleaners

V00005 - Omni Plaza Shopping Center

130060 - Gentle as a Lamb Cleaners

130065 - Minuteman Cleaners

130094 - Busy Bee Dry Cleaners

130056 - Gent Uniform Rental Service

Jericho
Hicksville
Salisbury
Levittown
East Meadow
North Bellmore
North Merrick
Wantagh
North Wantagh
Seaford
Bellmore
North Massapequa
Massapequa
Massapequa Park
South Farmingdale
Bethpage
Old Bethpage
Plainedge
Broadway
S Broadway
Hempstead Tpke
Southern State Pkwy
Sunrise Hwy
Conklin St
Fulton St
State Hwy 135
Hicksville Rd
Broadway

Legend

- Public Water Supply Well
- 2017 NYSDEC Sites with VOCs
- Known Dry Cleaner Locations
- Other Dry Cleaner Locations
- Long Island Groundwater Divide
- 2017 NYSDEC Remediation Site Outline
- Recharge Basins
- 1997 NWIRP Bethpage Property
- 1997 Northrop Grumman Property

0 2,000 4,000 6,000 Feet

Notes:
NWIRP- Naval Weapons Industrial Reserve Plant
NYSDEC- New York State Department of Environmental Conservation
VOCs- Volatile Organic Compunds

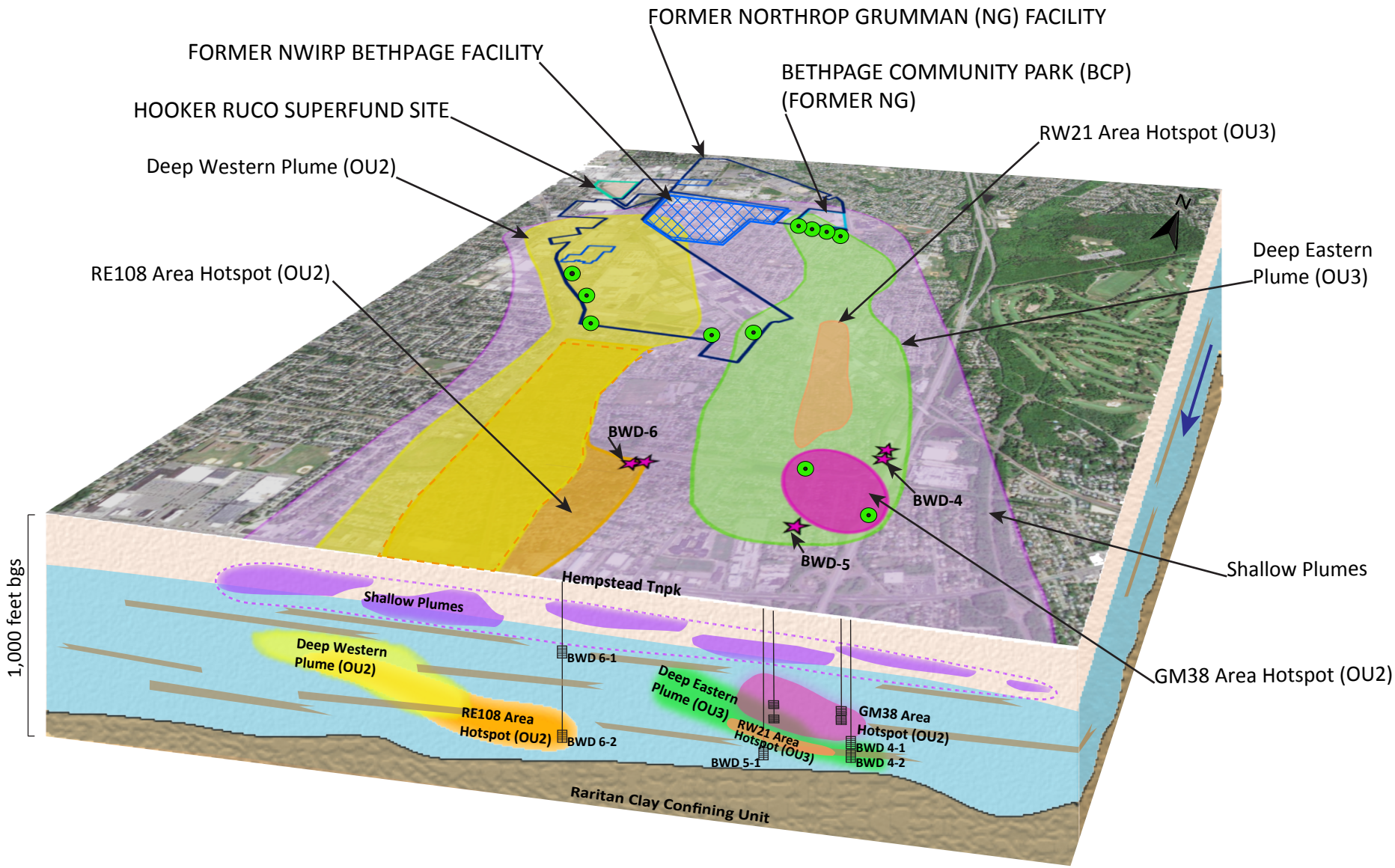
NAVFAC Naval Facilities Engineering Command

NASSAU COUNTY
SPILLS AND POTENTIAL SOURCES
NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE09	SCALE	AS NOTED
FIGURE NO.	1-3	REV	DATE 5/18/2017

5/18/2017

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NAVFAC Naval Facilities Engineering Command

CONCEPTUAL SITE MODEL
GROUNDWATER
NWIRP BETHPAGE, NEW YORK

FILE 112G08005-WE09	SCALE NOT TO SCALE
FIGURE NO. 2-1	DATE 5/18/2017

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TCE
(0 to 300 feet bgs)

N

NG

HR

NWIRP

BCP

NG

Bethpage

Hicksville

Levittown

North Massapequa

North Wantagh

HEMPSTEAD TNPK

SOUTHERN STATE PKWY

5 µg/L

100 µg/L

Legend

- Monitoring Well
- Vertical Profile Boring
- Recovery Well

2017 TCE (0 to 300 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
DEP- Deep Eastern Plume (OU3)
DWP- Deep Western Plume (OU2)
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter

100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC Naval Facilities Engineering Command

2017 TCE CONCENTRATION IN GROUNDWATER (0 to 300 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-1	REV DATE	5/8/2018

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TCE
(300 to 500 feet bgs)

N

NG
Briarcliffe Coll

HR

NWIRP

BCP

NG

RW21 Area Hotspot (OU3)

DEP (OU3)

GM38 Area Hotspot (OU2)

DWP (OU2)

100 µg/L

5 µg/L

1,000 µg/L

Hicksville
Bethpage
Levittown
North Massapequa
North Wantagh

HEMPSTEAD TNPK
SOUTHERN STATE PKWY

VPB134 2400
VPB135 3.1
VPB136 15
119 MW3-1
WELL 3 498
7600 VPB144
64.5 GM-39DB
8.4 RE123D1
20.2 GM-73D
VPB157 100
GM-74D 1.5
WELL 17 116
WELL 18 55.6
139 WELL 19
GM-150 0.33
MW-111-4 1640
RE106D1 7.4
RE106D2 46
VPB140 120
GM-78D 3.5
GM-78D2 1.6
RW-21_MW-4 249
RW-21_VP-4 674
RW-21_VP-1 16.9
RW-21_VP-3 1910
RW-21_VP-2 455.4
VPB141 87
14 VPB160
26 VPB143 5.5
RE109D1
RE109D2 29
GM-37D2 1.6
GM-71D2 12.1
RW-21_VP-6 16
RW-21_VP-8 32.4
RW-21_MW-8 452
RW-21_VP-8 217
RW-21_MW-12-1 103
RW-21_VP-12 72.9
VPB156 67
VPB142 68
GM-70D2 7.8
137 47.3
RW-21_VP-5
RW-21_MW-5-1
RW-21_VP-9 123
195 RW-21_VP-11
79 RE104D
VPB138 90
VPB137 27
89 GM-38D
306 GM-38D2
110 RW1-MW1
31.7 BWD-3876
GM-34D 299
160 VPB168
190 VPB139
200 RE125D1
VPB159 310
VPB154 190
140 RE131D1
VPB165 140
VPB171 220
VPB169 ND
LT101D 85
VPB166 100
VPB155 ND
VPB158 140
VPB148 1.8
VPB150 ND
BPOW 1-4 ND
BPOW 1-2 0.9
BPOW 1-3 ND
SFWD-5148 ND
VPB149 ND
VPB162 ND
VPB131 ND
BPOW 2-1 ND
BPOW 2-2 ND
VPB161 ND
VPB170 0.74
LWD-04450 ND
LWD-05302 ND
BPOW 5-1 ND
VPB132 ND
VPB164 ND
VPB152 ND
VPB153 ND
VPB151 ND
VPB163 ND
VPB133 ND
VPB167 ND
VPB146 ND
VPB147 0.45
VPB145 ND

Legend

- Monitoring Well
- Vertical Profile Boring
- Recovery Well
- Public Water Supply Well

2017 TCE (300 to 500 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
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OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter

100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC
Naval Facilities Engineering Command

2017 TCE CONCENTRATION IN GROUNDWATER (300 to 500 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE 112G08005-WE16	SCALE AS NOTED
FIGURE NO. 3-2	REV DATE 4/30/2018

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TCE (500 to 700 feet bgs)

N

HWD-10-1 ND

HWD-9-2 28 0.75 HWD-9-3

HWD-8-3 98.7

Hicksville

NG

HR

NWIRP

BCP

1.2 VPB134

ND VPB135 13 VPB136

RW21 Area Hotspot (OU3)

DEP (OU3)

DWP (OU2)

RE108 Area Hotspot (OU2)

Bethpage

WELL 3 498

NG

WELL 1 702

200 VPB144

GM-15D2 10

GM-73D2 35.7 GM-73D3 1.8 54 VPB157

GM-33D2 18.7

WELL 17 116

Well 18 55.6 7.8

Well 19 139

GM-74D2 GM-74D3 5.85

RE123D2 2.1

RE106D3 19 84 VPB140

RE107D1 12.7 RE107D2 226 RE107D3 ND 280 VPB141

GM-75D2

85 RE126D1 590 RE126D2 4.3 RE126D3 26.4 VPB160

RE109D3 72 65 VPB143

RW-21_VP-4 2.4

RW-21_VP-1 744 RW-21_MW-1 2600

RW-21_VP-3 13200 RW-21_MW-3-1 8870 RW-21_MW-3-2 3220

RW-21_MW-2 2740 RW-21_VP-2 78.1

RW-21_MW-7 6490 RW-21_VP-7 4870

RW-21_VP-6 1800 RW-21_MW-6 1220

RW-21_VP-5 12.4 RW-21_MW-5-2 8.6

RW-21_VP-12 0.38 RW-21_MW-12-2 ND

RW-21_VP-8 170

MW-11S-5 1650

RW-21_MW-9 450 RW-21_VP-9 241

RW-21_MW-11 360 RW-21_VP-11 1870

BWD-4-1 113 BWD-4-2 204

VPB138 1.1 GM-36D2 3

RW-03 220

VPB170 ND

RE122D1 560 RE122D2 4700 VPB156 8200

RE108D1 61 RE108D2 3100 VPB142 740

GM-35D2 38.4

RE103D1 990 RE103D2 760 VPB137 1800

GM-34D2 110 VPB168 120

5 µg/L

100 µg/L

1,000 µg/L

LWD-2A 60.6

LWD-5A 0.96

LWD-6B 1.22

VPB169 ND

RE131D2 67 RE131D3 9.5 VPB165 39

RE125D2 260 VPB159 640

RE120D1 1100

VPB154 1800

VPB171 3600

RE105D1 120 VPB139 82

TT-101D1 200

VPB166 240

RE121D1 33.8 VPB155 45

RE124D1 3.9

VPB158 ND

LWD-7A LWD-8A ND ND

RE114D1 387 VPB148 520

VPB149 86 110 115D1

BPOW 4-1R 0.84

BPOW 3-3 ND BPOW 3-4 106

VPB131 ND

BPOW 2-3 ND SFWD-3-1 ND

BPOW 3-2 ND BPOW 3-1 ND

BPOW 5-2 ND BPOW 5-3 ND VPB132 ND

VPB150 ND

RE128D1 ND VPB162 ND

BPOW 2-5 ND

ND RE127D1 VPB161 ND

VPB164 RE130D1 ND ND

LWD-14 ND

NYAW-4S 4 NYAW-3S 1.62

ND BPOW 5-5 ND BPOW 5-6 ND VPB152

BPOW 5-7 ND VPB153

BPOW 5-4 ND VPB151 ND

SFWD-6-1 SFWD-6-2 ND ND

RE129D1 ND VPB163 ND

TT-102D ND VPB133 ND

ND RE133D1 VPB167 ND

BPOW 6-4 ND BPOW 6-5 ND

VPB146 ND VPB147 ND

BPOW 6-1 ND VPB145 ND

MWD-4 ND

North Massapequa

North Wantagh

SOUTHERN STATE PKWY

HEMPSTEAD TNPK

Legend

- Monitoring Well
- Vertical Profile Boring
- Recovery Well
- Public Water Supply

2017 TCE (500 to 700 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
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OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter

100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC Naval Facilities Engineering Command

2017 TCE CONCENTRATION IN GROUNDWATER (500 to 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-3	REV DATE	4/30/2018

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TCE (Greater than 700 feet bgs)

N

NG
Briarcliffe Coll

HR

NWIRP

BCP

NG

DWP (OU2)

RE108 Area Hotspot (OU2)

VPB134 ND
VPB135 ND
VPB136 ND
VPB144 ND
RE123D3 ND
VPB157 ND
VPB140 ND
VPB141 ND
VPB170 ND
VPB160 ND
VPB143 ND
VPB142 ND
VPB156 1.8
RE122D3 6.7
RE103D3 440
VPB137 1.6
VPB168 ND
VPB165 ND
VPB169 ND
RE125D3 99
VPB159 181
RE120D2 780
RE120D3 37
VPB154 1.4
VPB171 460
TT-101D2 860
VPB166 ND
RE121D2 754
VPB155 ND
RE124D2 ND
VPB158 ND
RE114D3 VPB148 28
RE115D2 240
VPB149 16
0.92 BPOW 4-2R
LWD-13 ND
VPB131 61
VPB132 ND
RE130D2 VPB164 ND
RE118D1 VPB152 ND
RE119D1 ND
VPB153 2.8
RE117D2 0.51
RE117D1 15
VPB151 1.6
RE129D2 ND
VPB163 ND
TT-102D2 ND
VPB133 ND
RE133D2 VPB167 ND
BPOW 6-3 ND
BPOW 6-6 ND
VPB146 ND
VPB147 ND
BPOW 6-2 ND
VPB145 ND
MWD-5 ND
RE127D2 ND
VPB162 ND
RE128D2 ND
VPB150 ND
BPOW 1-6 ND
SFWD-1-4 ND
RE105D2 2100
VPB139 1200
BWD-6-2 1280
BWD-5-1 32.4
RW-21_VP-1 3.9
RW-21_VP-2 1.7
RW-21_VP-3 16.7
RW-21_VP-4 0.57
RW-21_VP-5 ND
RW-21_VP-6 5.6
RW-21_VP-7 4.5
RW-21_VP-9 3.4
RW-21_VP-11 4.2
RE104D2 27
RE104D3 ND
VPB138 ND

100 µg/L
5 µg/L
1,000 µg/L

Hicksville
Levittown
Bethpage
North Massapequa
North Wantagh
HEMPSTEAD TNPK
SOUTHERN STATE PKWY

Legend

- Monitoring Well
- Vertical Profile Boring
- Public Water Supply

2017 TCE (Greater than 700 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

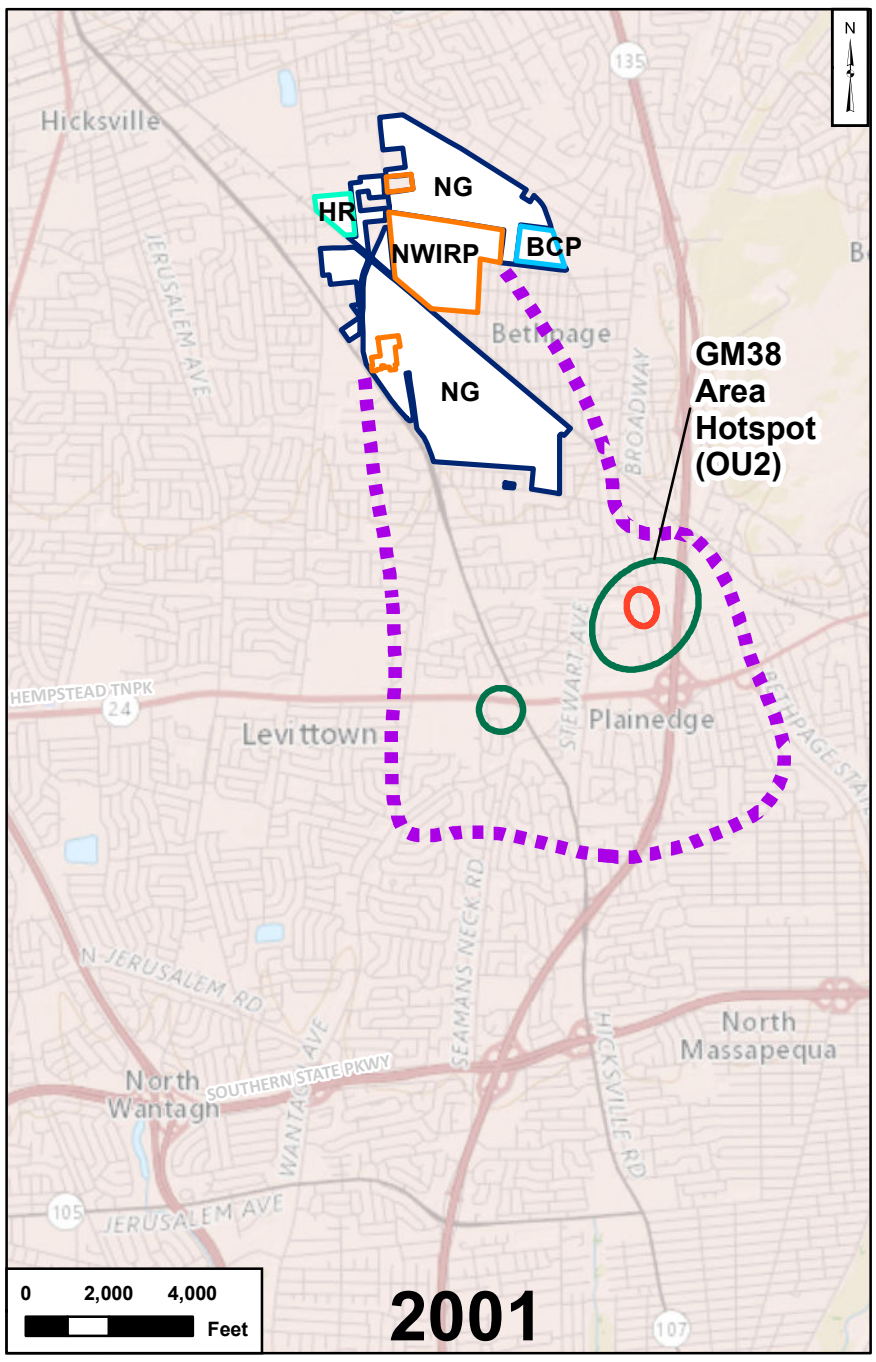
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TCE- Trichloroethene
µg/L- microgram per liter
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

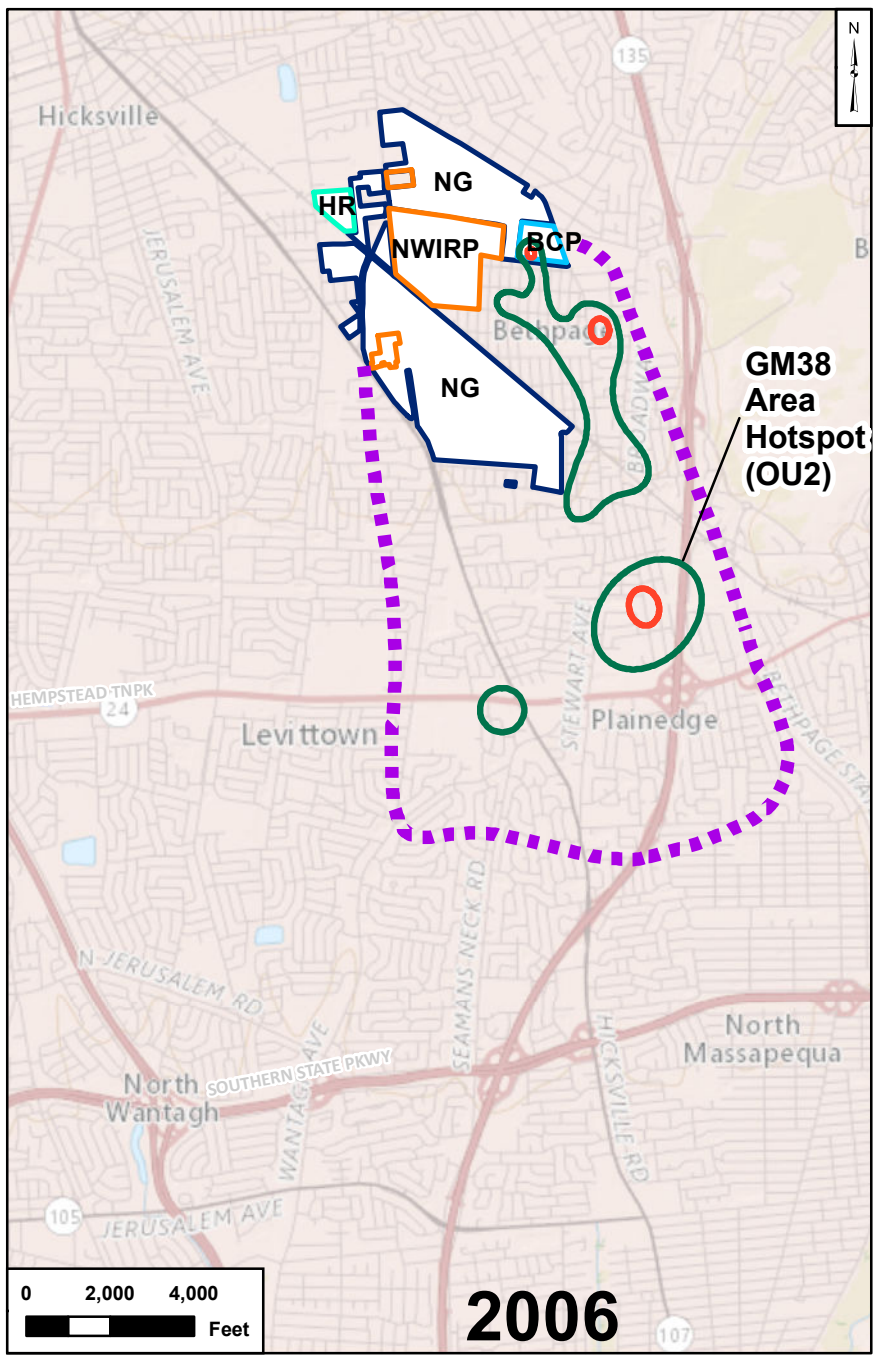
NAVFAC Naval Facilities Engineering Command

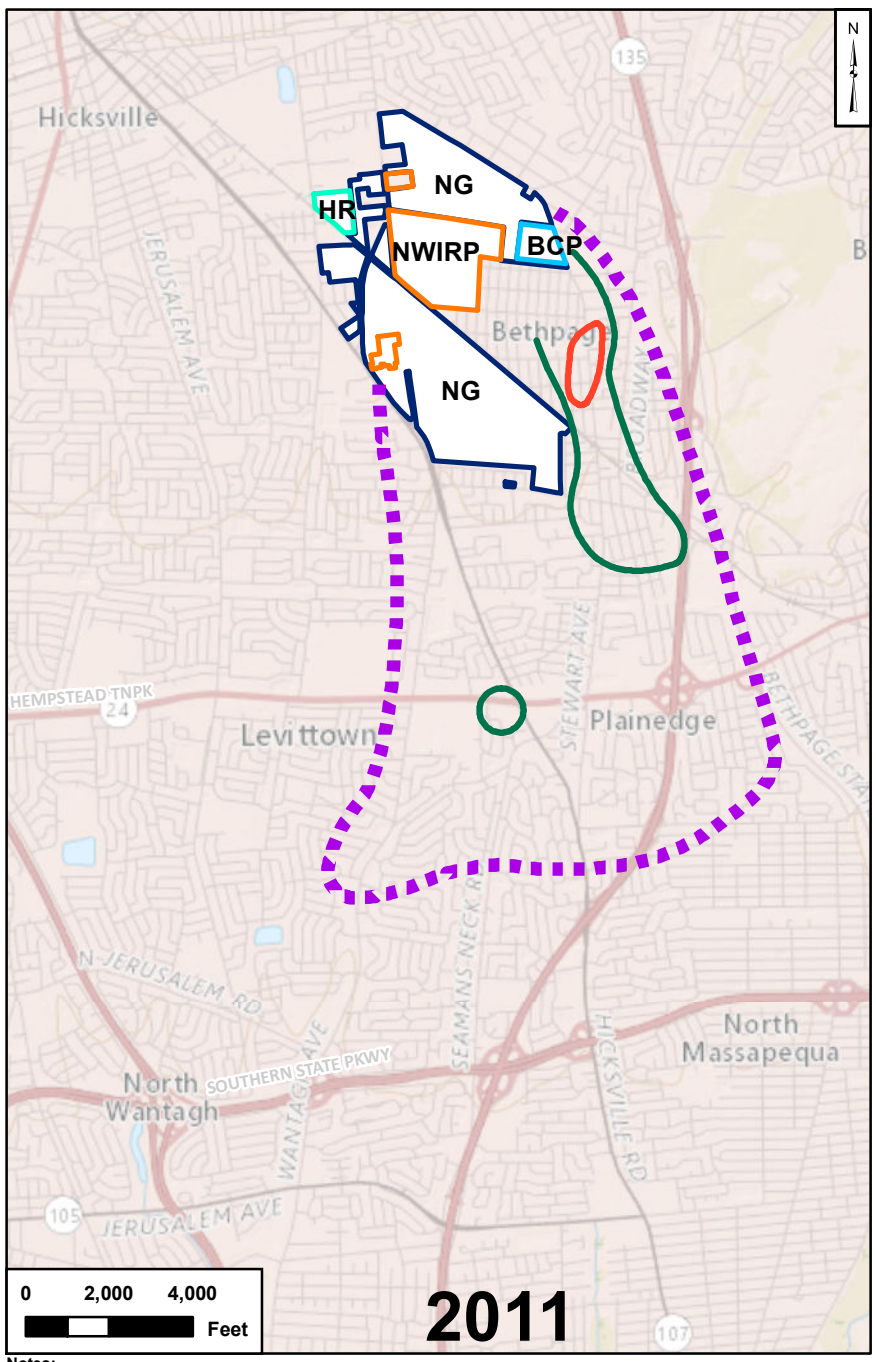
2017 TCE CONCENTRATION IN GROUNDWATER (GREATER THAN 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

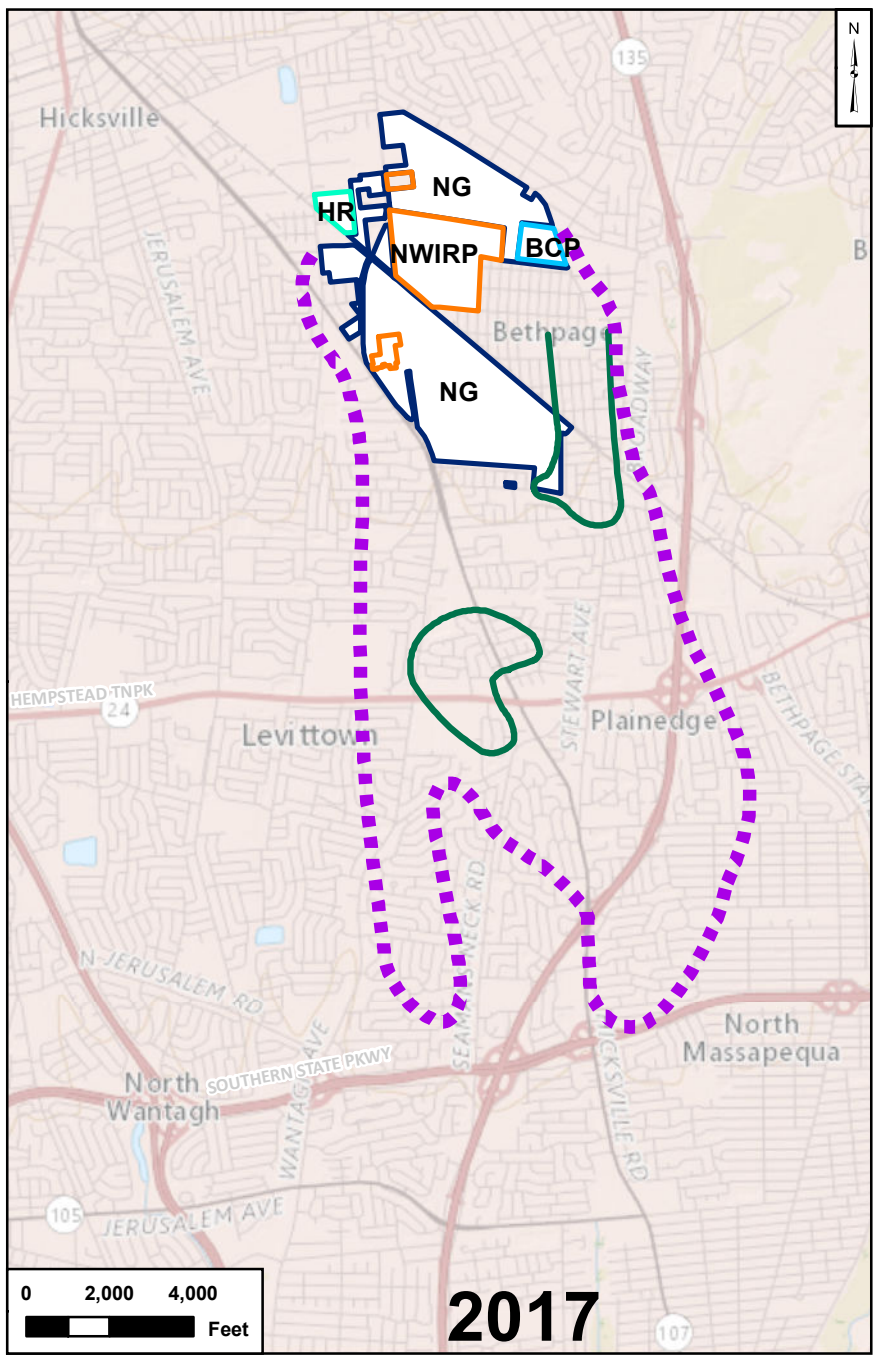
FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-4	REV DATE	5/8/2018

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\BP_OU2_2018\WIN\2017_BP_700below_TCE.mxd MMC 5/8/2018









Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
DEP- Deep Eastern Plume (OU3)
HR- Hooker Ruco Superfund Site
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons
Industrial Reserve Plant Bethpage Facility

OU- Operable Unit
TCE- trichloroethene
µg/L- microgram per liter

Legend

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

TCE
(0 to 300 feet bgs)

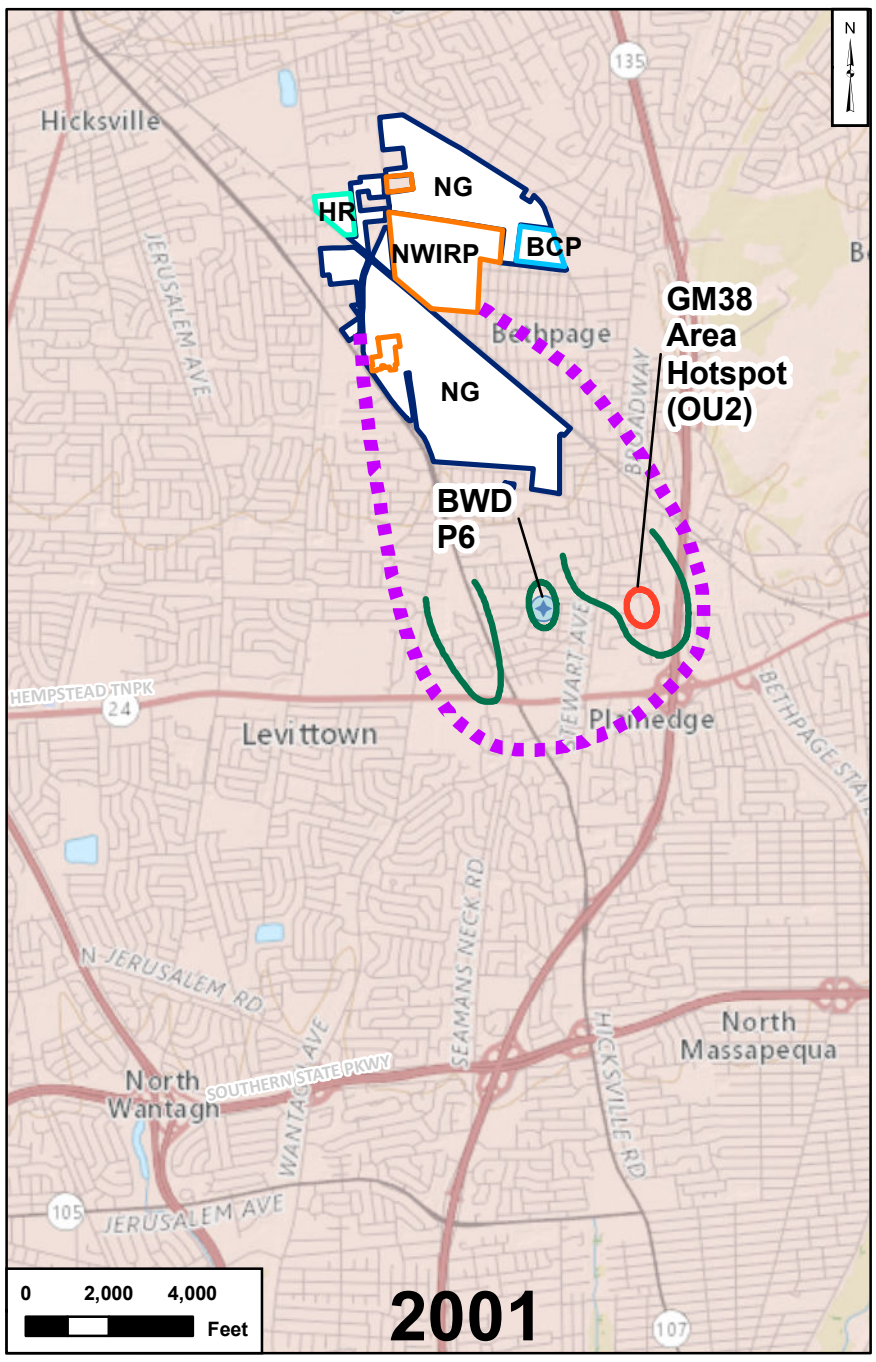
*The Maximum Contaminant Level for TCE is 5 µg/L

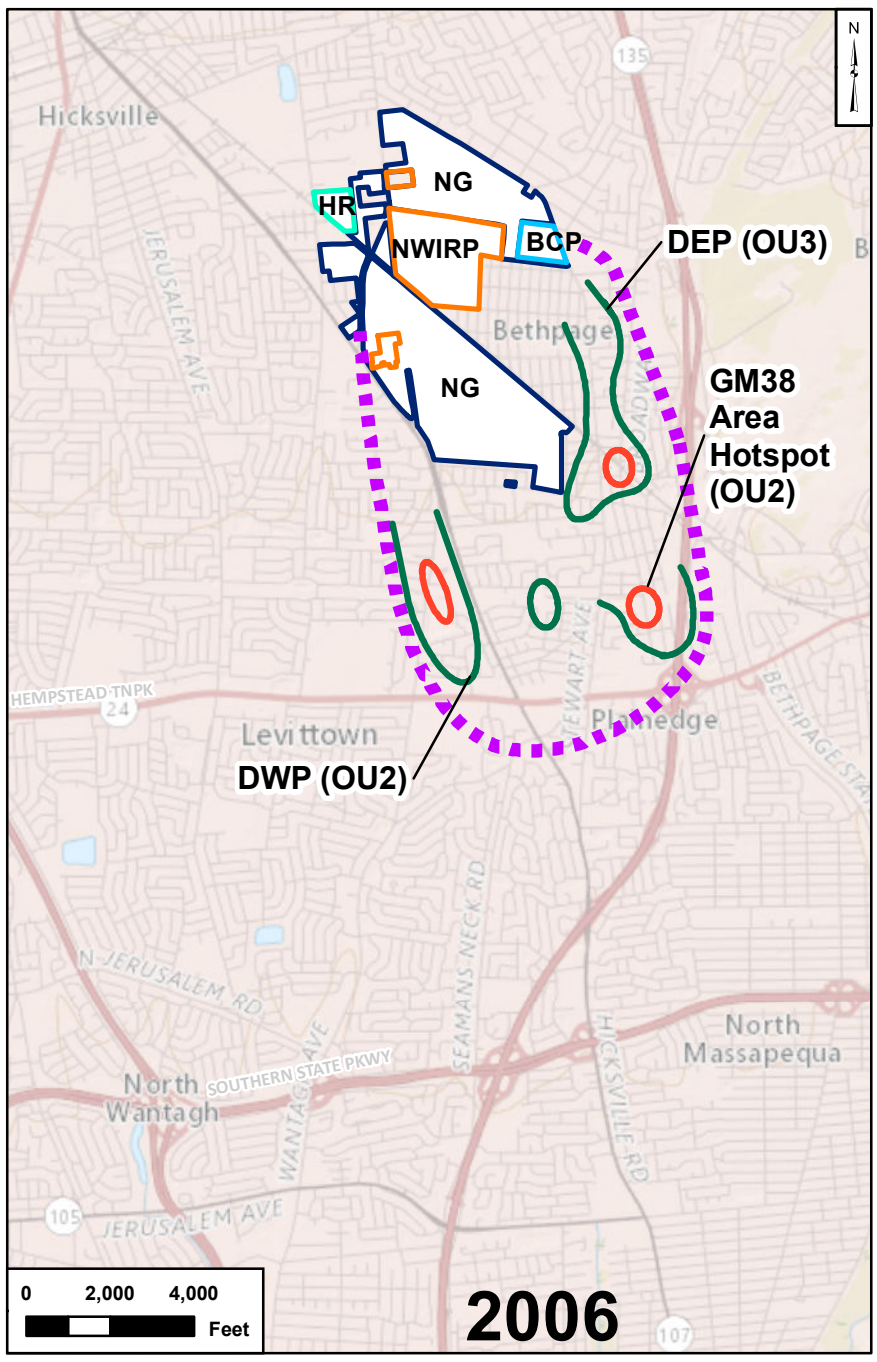
NAVFAC Naval Facilities Engineering Command

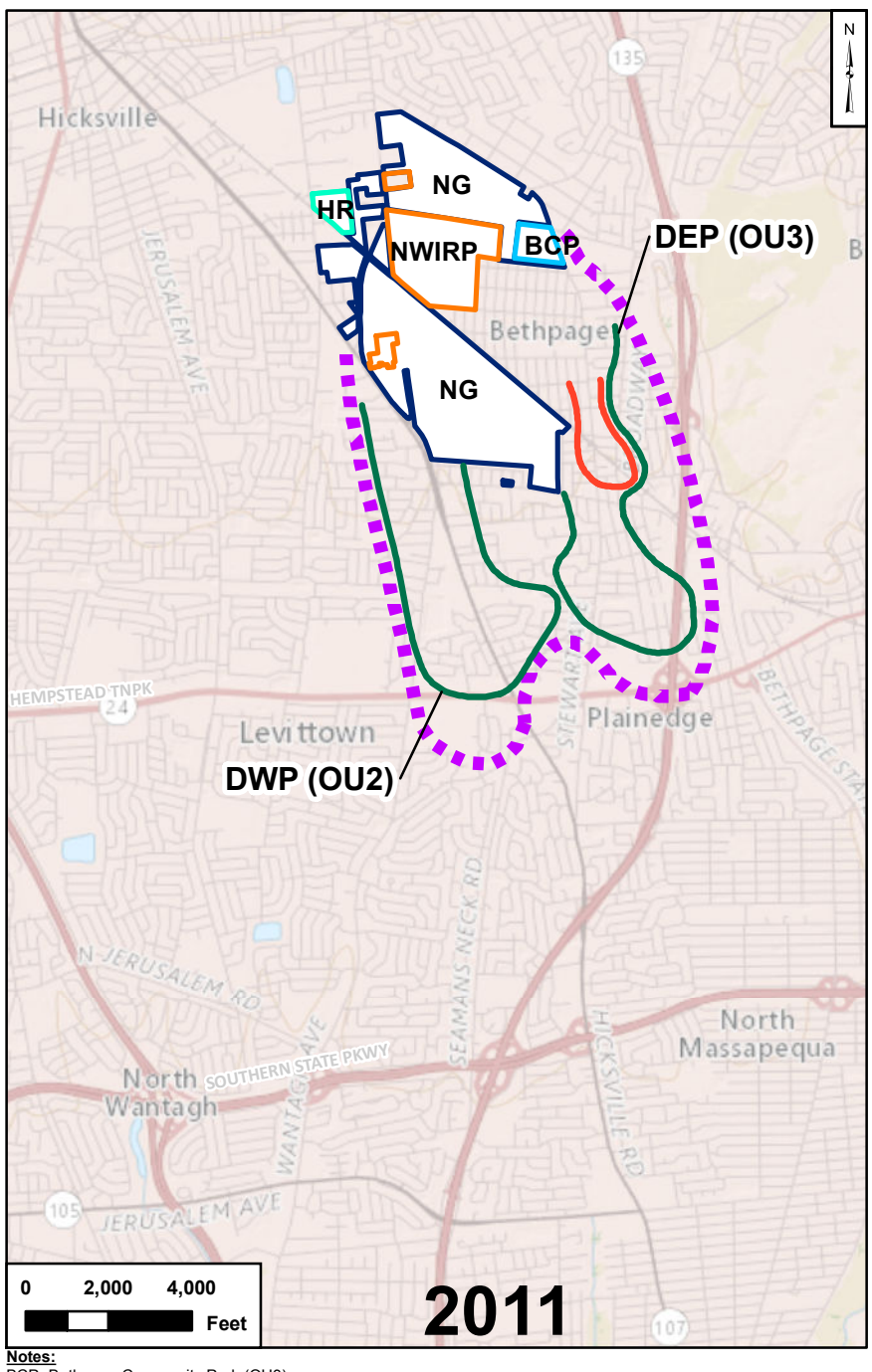
2001, 2006, 2011, & 2017
TCE CONCENTRATION
IN GROUNDWATER
(0 to 300 FEET BGS)
NWIRP BETHPAGE, NEW YORK

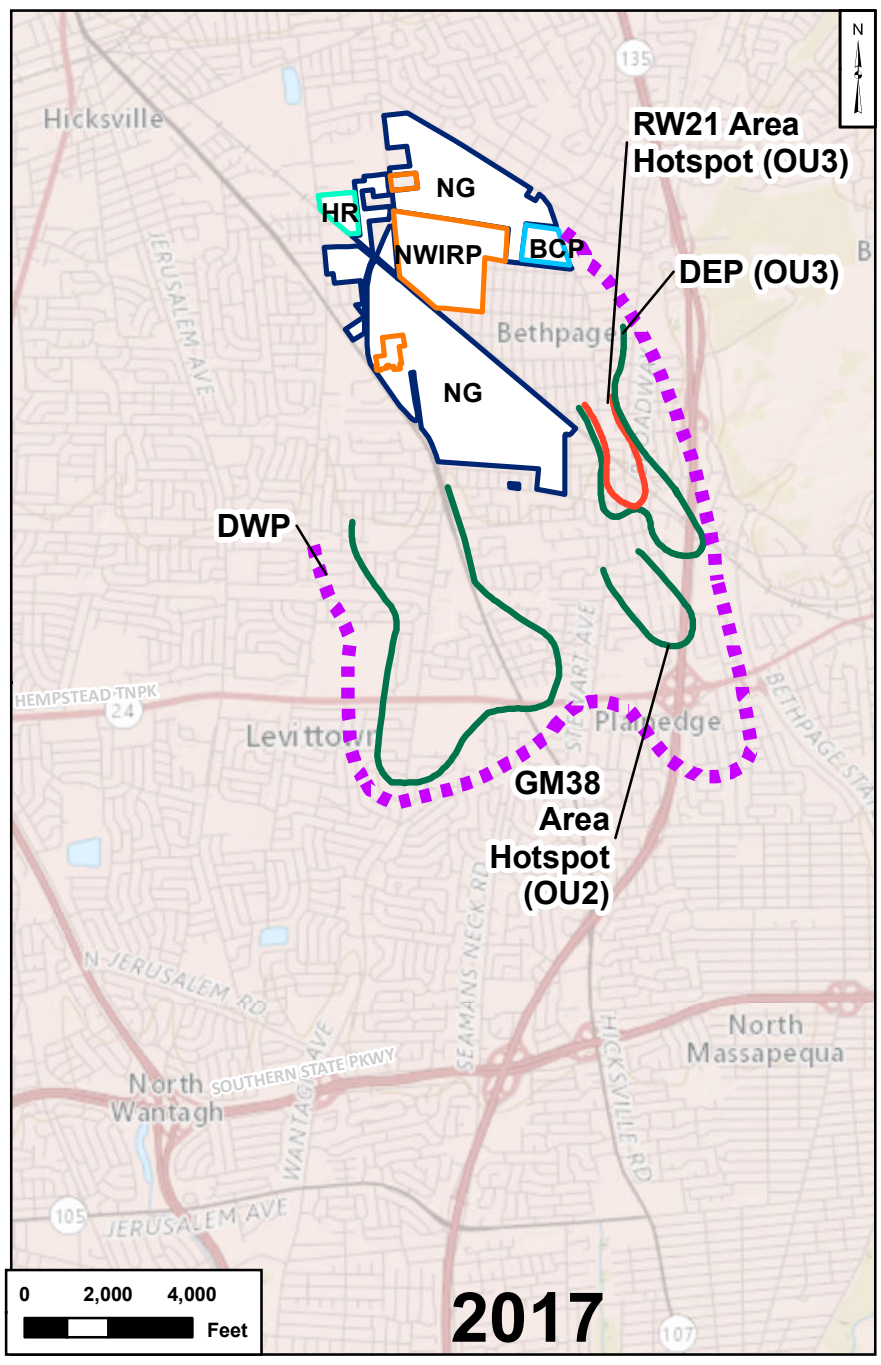
FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-5	REV	DATE 5/8/2018

NOR P:\GIS files\BethpageMAP DOCS\MXD\BP OU2 2018\WINN\2017-TCE-0-300 all.mxd MMC









Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
DEP- Deep Eastern Plume (OU3)
DWP- Deep Western Plume (OU2)
HR- Hooker Ruco Superfund Site
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- trichloroethene
µg/L- microgram per liter

Legend

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

TCE (300 to 500 feet bgs)

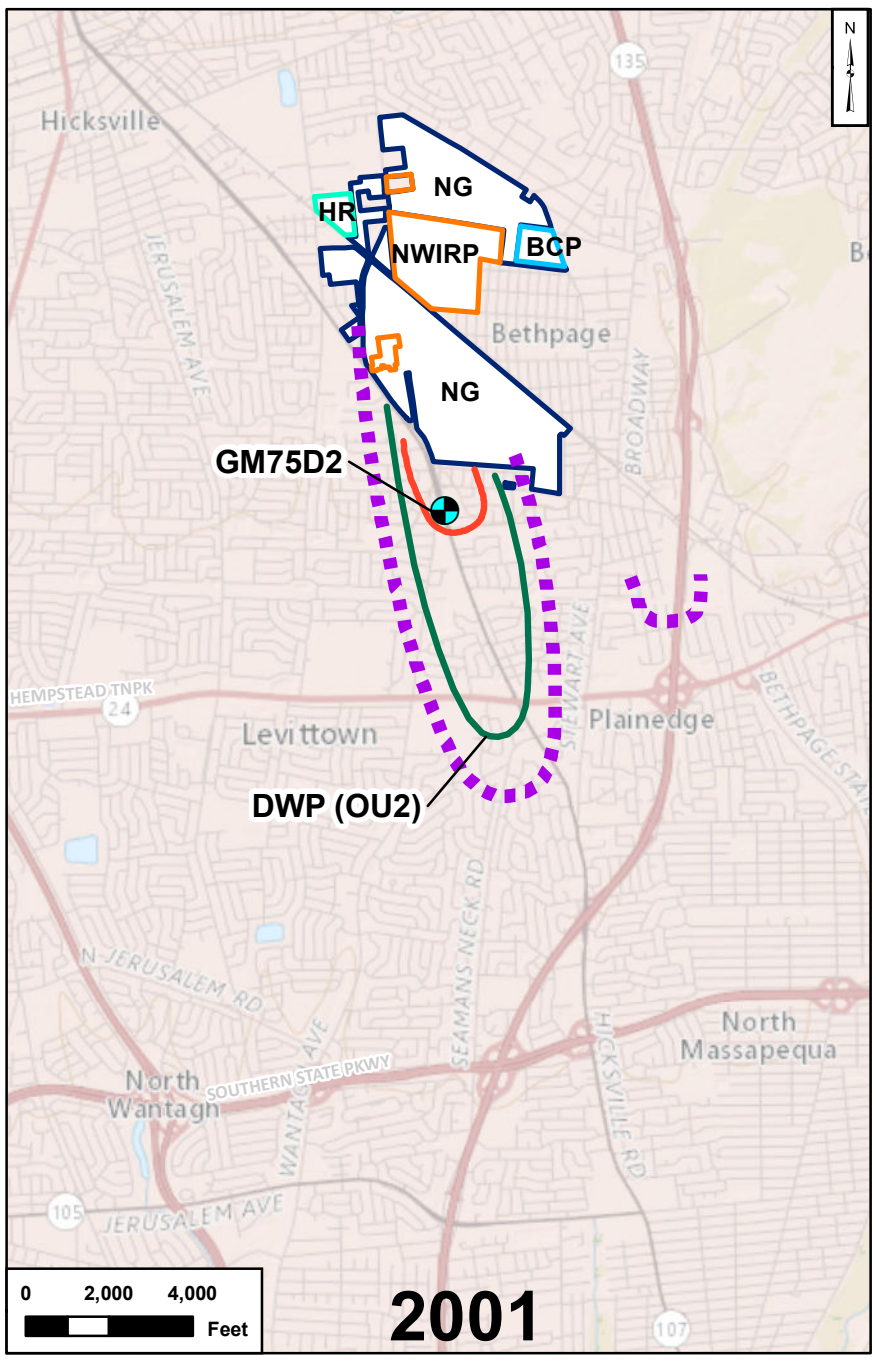
*The Maximum Contaminant Level for TCE is 5 µg/L

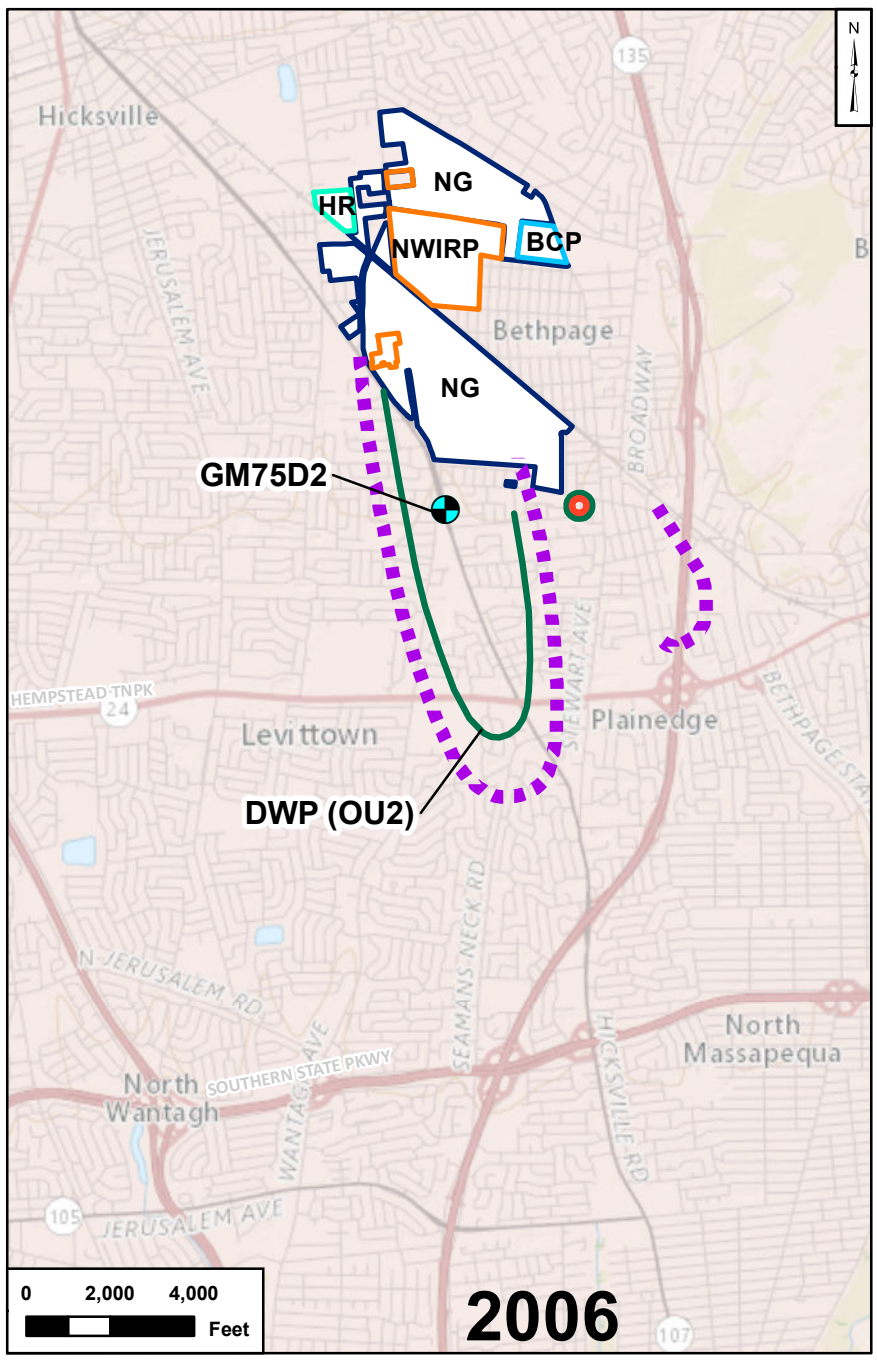
NAVFAC Naval Facilities Engineering Command

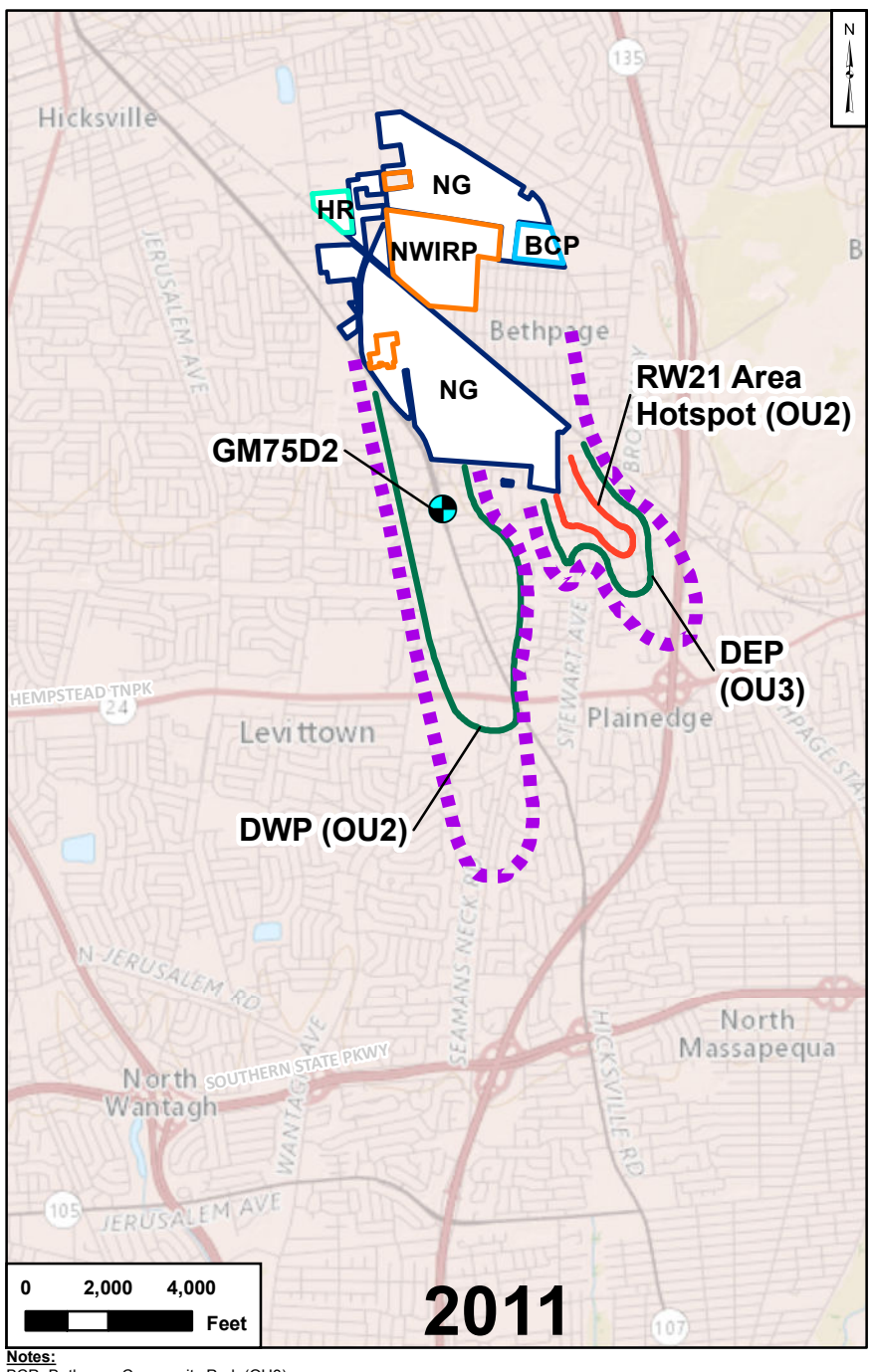
2001, 2006, 2011, & 2017 TCE CONCENTRATION IN GROUNDWATER (300 to 500 FEET BGS) NWIRP BETHPAGE, NEW YORK

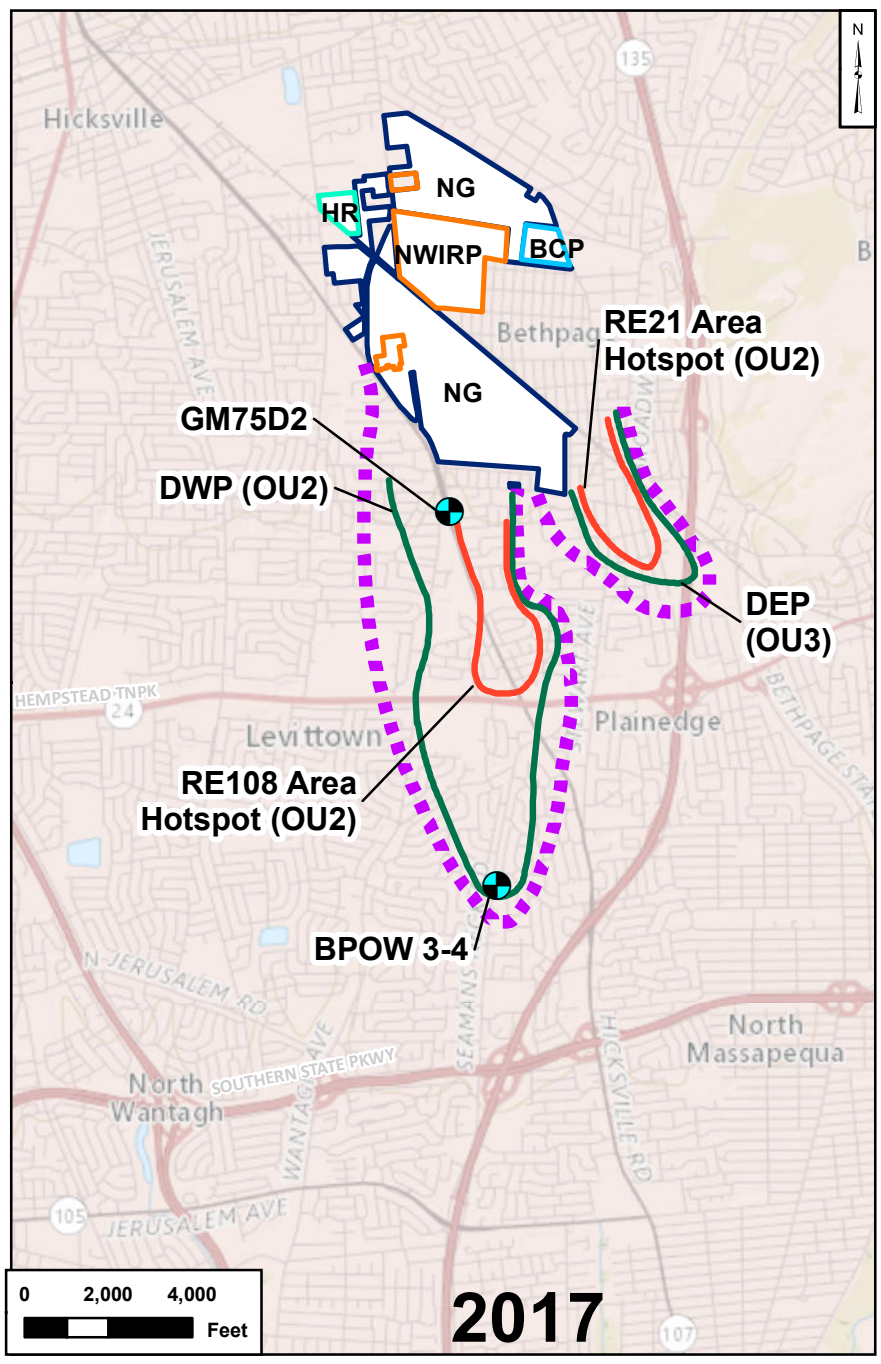
FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-6	REV	DATE 5/8/2018

NOR P:\GIS files\Bethpage\MAP DOCS\MXD\BP_OU2_2018WINN\2017-TCE-300-500_all.mxd MMC









Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
DEP- Deep Eastern Plume (OU3)
DWP- Deep Western Plume (OU2)
HR- Hooker Ruco Superfund Site
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- trichloroethene
µg/L- microgram per liter

Legend

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

TCE (500 to 700 feet bgs)

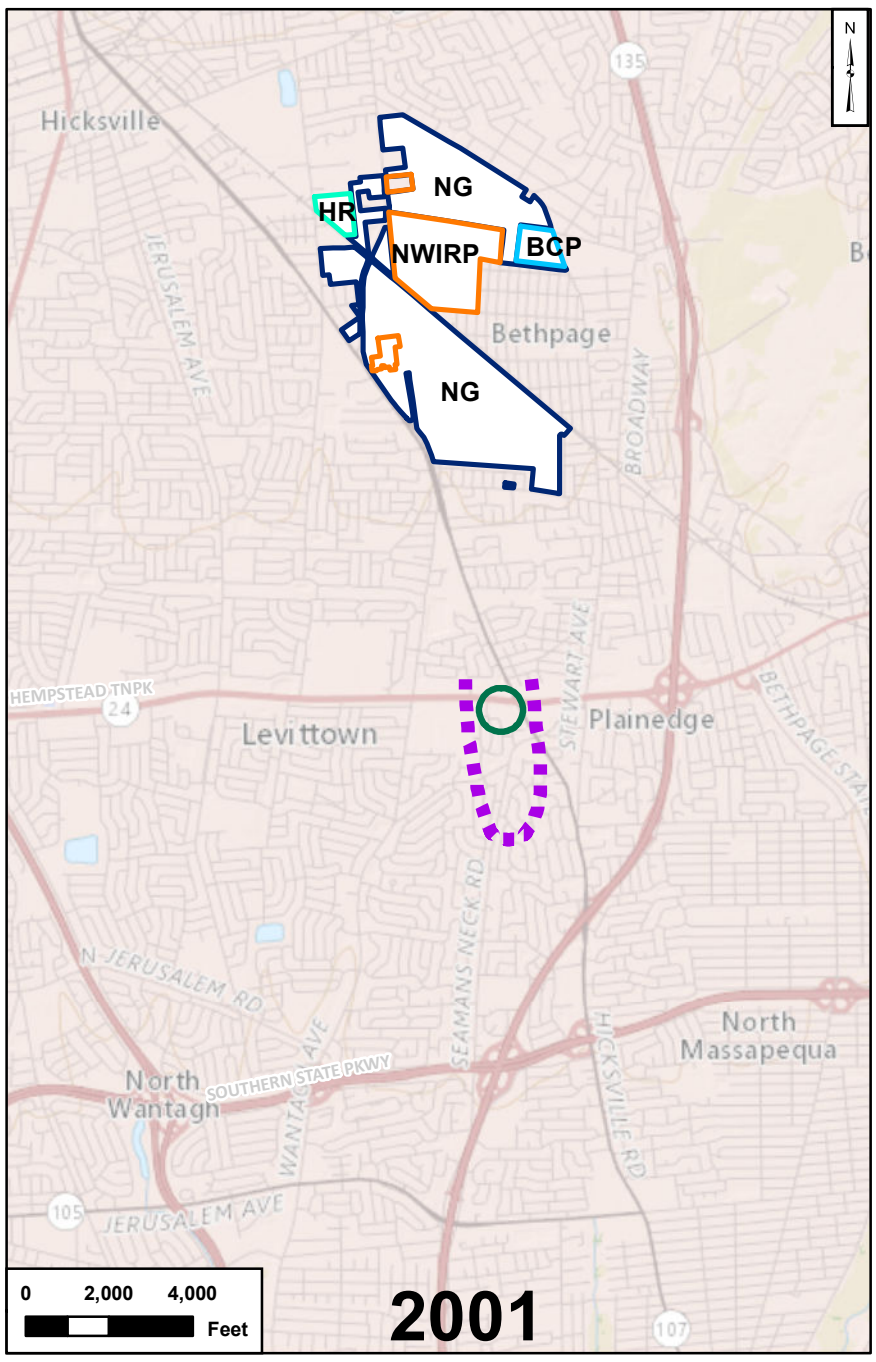
*The Maximum Contaminant Level for TCE is 5 µg/L

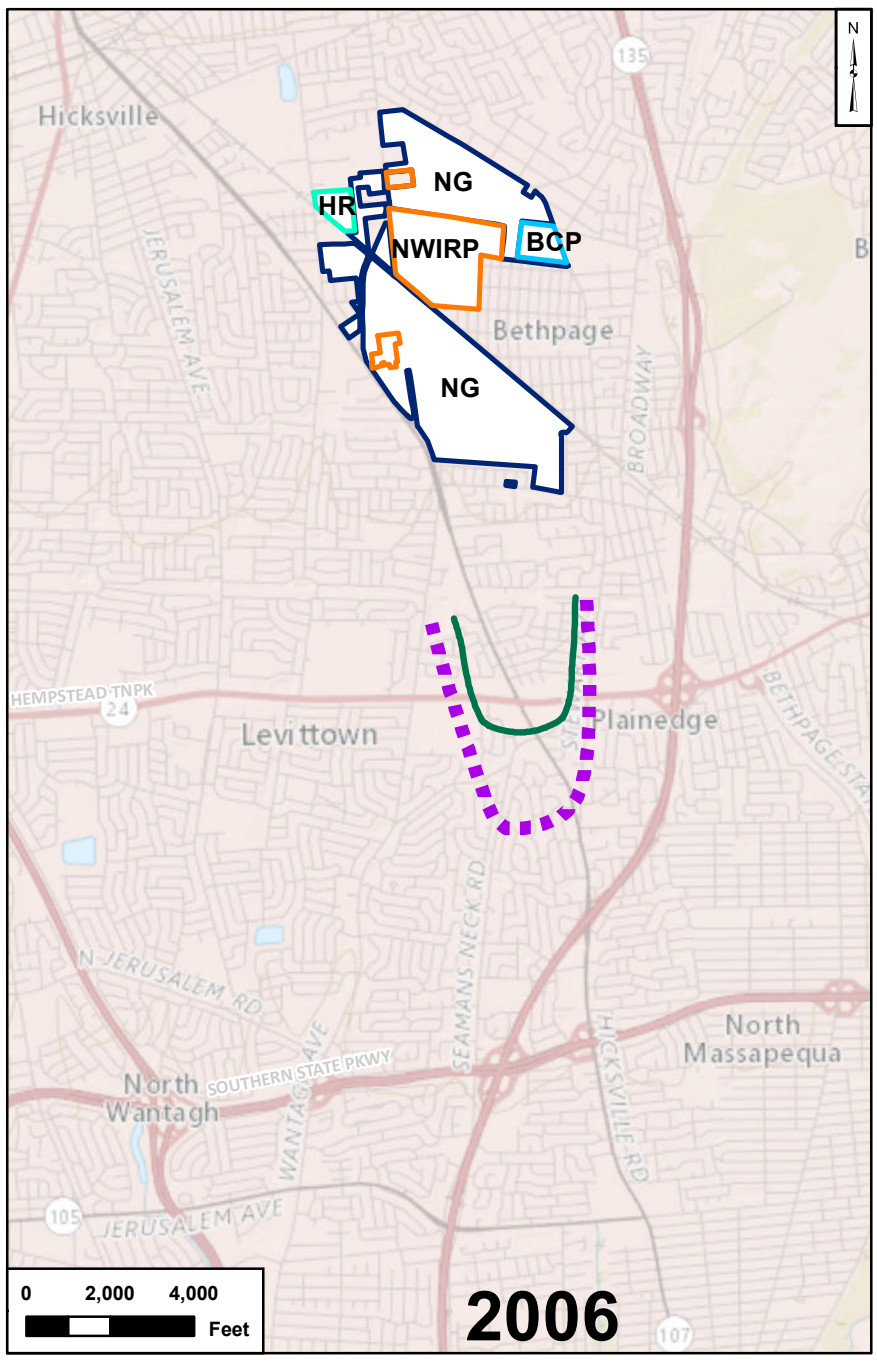
NAVFAC Naval Facilities Engineering Command

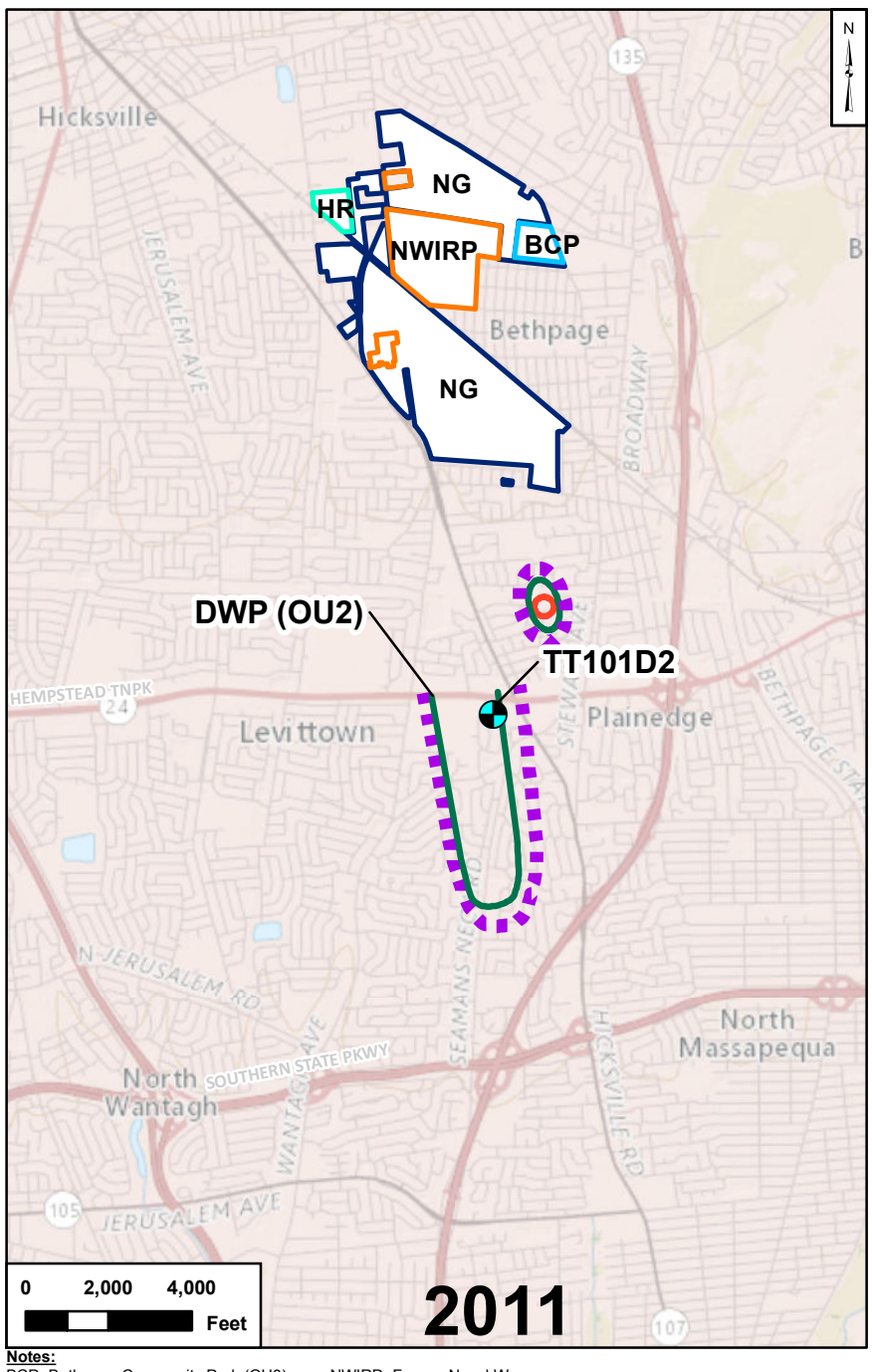
2001, 2006, 2011, & 2017 TCE CONCENTRATION IN GROUNDWATER (500 to 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

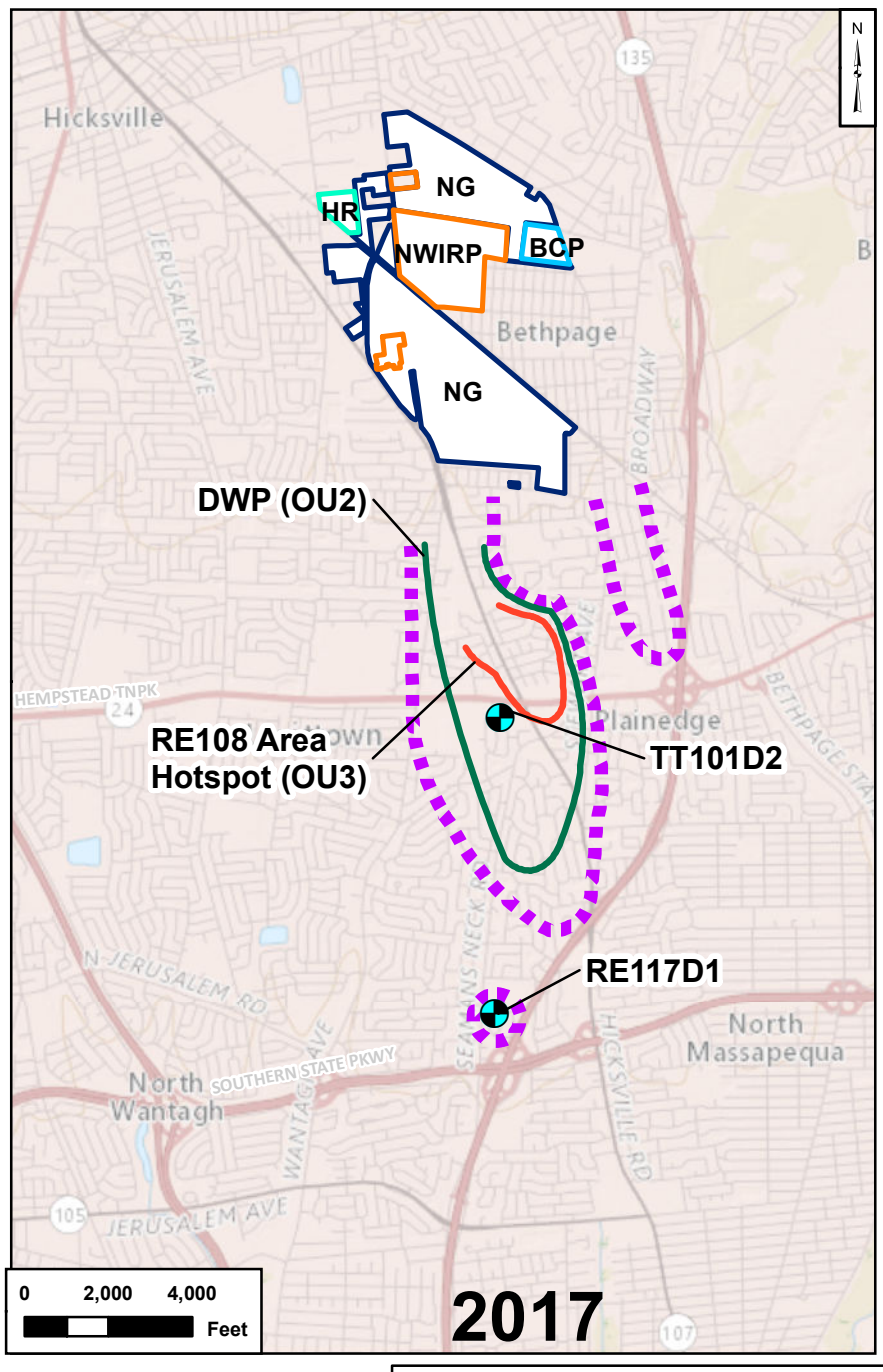
FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-7	REV	DATE 5/8/2018

NOR P:\GIS files\Bethpage\MAP DOCS\MXD\BP_OU2_2018WINN\2017_TCE-500-700_all.mxd MMC









Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
DWP- Deep Western Plume (OU2)
HR- Hooker Ruco Superfund Site
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- trichloroethene
µg/L- microgram per liter

Legend

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

TCE
(Greater than 700 feet bgs)

*The Maximum Contaminant Level for TCE is 5 µg/L

NAVFAC Naval Facilities Engineering Command

2001, 2006, 2011, & 2017
TCE CONCENTRATION
IN GROUNDWATER
(Greater than 700 FEET BGS)
NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-8	REV	DATE 5/8/2018

NOR P:\GIS files\Bethpage\MAP DOCS\MXD\BP_OU2_2018\WINN\TCE-700plus_all.mxd MMC

N

HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
NG
HR
NWIRP
BCP
NG
Hicksville
Bethpage
Levittown
North Massapequa
North Wantagh
PLAINVIEW RD
E OLD COUNTRY RD
BROADWAY
4TH ST
6TH ST
8TH ST
9TH ST
JERUSALEM AVE
DIVISION AVE
NEW S RD
BERKSHIRE RD
STEWART AVE
EILEEN AVE
BELMONT AVE
BARNUM AVE
FLORAL AVE
EVERGREEN AVE
FARMERS AVE
KESWICK LN
GROHMANS LN
W LANE DR
GERHARD RD
DEROMA DR
PLAINVIEW RD
BRIARWOOD LN
LENE DR
COLONIAL RD
HAYPATH RD
S PARK DR
FORDHAM AVE
WINDING RD
WINTER LN
DEAN ST
LEE AVE
COTTAGE BLVD
LINDEN BLVD
N FORDHAM RD
MAPLE AVE
GRUMMAN RD W
MEADE AVE
RAILROAD AVE
STEWART AVE
SPINDLE RD
HORN LN
COURTNEY LN
FIDDLER LN
COLLECTOR LN
BLOOMINGDALE RD
PRENTICE RD
BARRISTER RD
STONECUTTER RD
BRENNER AVE
CONSTELLATION RD
FARMEDGE RD
MERIDIAN RD
MALLARD RD
CONDOR RD
HICKORY LN
CORNFLOWER RD
AZALEA RD
PERIWINKLE RD
BLACKSMITH RD
ORCHID RD
HAHN AVE
N WANTAGH AVE
HICKSVILLE RD
CENTRAL AVE
GREENWAY DR
COLONIAL DR
N WYOMING AVE
N BOSTON AVE
N WISCONSIN AVE
N MICHIGAN AVE
N DELAWARE AVE
N ATLANTA AVE
N SYRACUSE AVE
N ALBANY AVE
N RUTHERFORD AVE
N PARK DR
N POPLAR ST
N LINDEN ST
N PINE ST
N CEDAR ST
N MAPLE ST
N HICKORY ST
N OAK ST
N HAWTHORNE ST
N RICHMOND AVE
N KENTUCKY AVE
BOUNDARY AVE
IDAHO AVE
BETHPAGE STATE PKWY
HEMLOCK DR
LAWRENCE ST
W WALNUT ST
W OAK ST
ELIZABETH DR
SILBER AVE
CAFFREY AVE
HEMPSTEAD TNPK
HEMPSTEAD TPKE
BALSAM LN
SOUTHERN STATE PKWY
SAND HILL RD
WHITEBIRCH LN
HUNT RD
SARAH DR
TARDY LN
TWIN LN N
TWIN LN S
DUCKPOND DR S
JERUSALEM AVE
LUFBERRY AVE
ARTHUR AVE
BAYBERRY LN
MILL RD
MARILYN DR
BEECHWOOD PL
SUNRISE LN
OLD OAK LN
SEAMANS NECK RD
ELM DR
ROSE LN
BALDWIN RD
SCHOOLHOUSE RD
BUCKET LN
SQUIRREL LN
HAMLET RD
VALLEY RD
HILLTOP RD
SHELTER LN
BARNYARD LN
CENTER LN
HARVEST LN
GARDINERS AVE
ABBEY LN
BALDWIN LN
BAYBERRY LN
SADDLE LN
SPRING LN
PRAIRIE LN
HAVEN LN
SWAN LN
REGENT LN
RED MAPLE DR N
SPRUCEWOOD DR
WILLOWOOD DR
BRENT DR
WEAVING LN
WATER LN
OAKFIELD AVE
DOUGLAS AVE
MORGAN DR
JANET AVE
Hellmore Creek
Wantagh Reservoir
HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
LWD-2A
LWD--6B
LWD-9
LWD-3
LWD-12
LWD-5A
LWD-14
LWD-7A
LWD-8A
LWD-13
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
SFWD-1-4
SFWD-1-3
SFWD-1-2
SFWD-3-1
SFWD-6-1
SFWD-6-2
NYAW-3S
NYAW-4S
NYAW-4D
NYAW-6D
NYAW-5D
MWD-4
MWD-5
RE105D1 47.58
RE120D1 48.51
RE131D3 47.31
TT-101D 44.51
RE121D1 43.99
RE124D1 43.55
RE114D1 41.29
RE114D2 41.15
RE115D1 38.81
BPOW 4-1R 35.07
BPOW 2-3 37.22
BPOW 3-3 35.50
BPOW 3-4 35.53
BPOW 3-2 33.02
BPOW 5-3 33.59
BPOW 5-2 33.95
BPOW 5-1 33.93
BPOW 5-7 31.92
BPOW 5-5 31.11
BPOW 5-6 30.75
BPOW 5-4 29.78
TT-102D 28.13
BPOW 6-4 26.44
BPOW 6-5 25.94
BPOW 6-1 24.68
45
40
35
30
25
Groundwater Flow

Legend

- Monitoring Well
- Public Water Supply Well

Groundwater Contours 500 to 700 ft bgs

- Groundwater Contour (feet msl)
- Groundwater Contour Inferred (feet msl)

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit

NAVFAC Naval Facilities Engineering Command

MAY 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP (500 to 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-9	REV	DATE 4/30/2018

N:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\2017_BP_500-700_GW_ELE_2ndqtr.mxd MMC 4/30/2018

N

HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
LWD-2A
LWD--6B
LWD-5A
LWD-9
LWD-7A
LWD-8A
LWD-13
LWD-3
LWD-12
LWD-14
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
NYAW-4S
NYAW-3S
NYAW-4D
NYAW-6D
NYAW-5D
SFWD-3-1
SFWD-6-1
SFWD-6-2
SFWD-1-4
SFWD-1-3
SFWD-1-2
MWD-4
MWD-5

HR
NG
NWIRP
BCP
NG

RE121D2 43.51
RE114D3 40.84
RE115D2 38.68
BPOW 4-2R 38.68
RE117D2 30.40
RE117D1 29.70
RE119D1 31.40
RE129D1 29.92
TT-102D2 27.57
BPOW 6-6 25.37
BPOW 6-5 25.68
BPOW 6-2 24.29

40
35
30
25

Groundwater Flow

Hicksville
Bethpage
Levittown
North Massapequa
North Wantagh
HEMPSTEAD TNPK
SOUTHERN STATE PKWY

Legend

- Monitoring Well
- Public Water Supply Well

Groundwater Contours Greater than 700 feet bgs

- Groundwater Contour (feet msl)
- Groundwater Contour Inferred (feet msl)

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Siuperfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit

NAVFAC Naval Facilities Engineering Command

MAY 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP (GREATER THAN 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-10	REV / DATE	4/30/2018

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\2017_BP_700below_GW_ELE_2ndqtr.mxd MMC 4/30/2018

N

HWD-10-1
Hicksville
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
LWD-2A
LWD--6B
LWD-9
LWD-3
LWD-12
LWD-7A
LWD-8A
LWD-5A
LWD-13
LWD-14
NYAW-4D
NYAW-6D
NYAW-5D
NYAW-4S
NYAW-3S
SFWD-6-1
SFWD-6-2
SFWD-1-4
SFWD-1-3
SFWD-1-2
SFWD-3-1
BWD-8
BWD-7
BWD-1
BWD-6-1
BWD-6-2
BWD-5-1
BWD-4-1
BWD-4-2
MWD-4
MWD-5

NG
HR
NWIRP
BCP
NG

MW-75D2 68.831066
GM-15D2 57.14
RE123D1 56.43
RE123D2 55.87
GM-73D2 57.02
GM-74D2 54.09
RE106D3 56.98
GM-21D2 53.34
55.22 RE107D1
54.97 RE107D2
54.75 RE107D3
GM-75D2 55.79
53.8 RE126D1
53.61 RE126D2
53.58 RE126D3
RE109D1 53
RE109D2 52.88
RE109D3 52.86
53.3 RE122D
52.94 RE122D2
RE108D1 52.88
RE108D2 52.41
RE103D2 50.94
RE103D1 50.99
RW3-MW4 48.77
RW2-MW1 47.69
46.57 RE125D2
46.54 RE125D3
RE105D1 47.34
RE131D3 46.23
RE120D1 46.28
TT-101D1 44.05
RE121D1 42.8
RE124D1 42.57
40.19 RE114D1
40.03 RE114D2
RE115D1 38
BPOW 4-1R 33.88
BPOW 3-4 34.13
BPOW 3-3 34.09
BPOW 2-3 31.75
BPOW 3-2 31.16
BPOW 5-1 31.54
BPOW 5-2 31.25
BPOW 5-3 30.72
BPOW 5-7 30.86
30.27 BPOW 5-5
29.71 BPOW 5-6
BPOW 5-4 28.36
TT-102D 26.61
24.68 BPOW 6-4
24.44 BPOW 6-5
BPOW 6-1 23.21
BPOW 1-5 41.55

50
45
40
35
30
25

Groundwater Flow

Hicksville
Levittown
Bethpage
North Massapequa
North Wantagh
HEMPSTEAD TNPK
SOUTHERN STATE PKWY

Legend

- Monitoring Well
- Public Water Supply Well

Groundwater Contours 500 to 700 feet bgs

- Groundwater Contour (feet msl)

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit

NAVFAC Naval Facilities Engineering Command

SEPTEMBER 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP (500 to 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-11	REV DATE	4/30/2018

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\2017_BP_500-700_GW_ELE_3rdqtr.mxd MMC 4/30/2018

N

HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
LWD-2A
LWD--6B
LWD-5A
LWD-9
LWD-7A
LWD-8A
LWD-13
LWD-3
LWD-12
LWD-14
SFWD-3-1
SFWD-6-1
SFWD-6-2
SFWD-1-4
SFWD-1-3
SFWD-1-2
NYAW-4S
NYAW-3S
NYAW-4D
NYAW-6D
NYAW-5D
MWD-4
MWD-5

HR
NG
NWIRP
BCP
NG

RE121D2
43.51
RE114D3
40.84
RE115D2
38.68
BPOW 4-2R
38.68
RE119D1
31.40
RE117D2
30.40
RE117D1
29.70
RE129D1
29.92
TT-102D2
27.57
BPOW 6-5
25.68
BPOW 6-6
25.37
BPOW 6-2
24.29

40
35
30
25

Groundwater Flow

Hicksville
Levittown
Bethpage
North Massapequa
North Wantagh

HEMPSTEAD TNPK
SOUTHERN STATE PKWY

Legend

- Monitoring Well
- Public Water Supply Well

Groundwater Contours Greater than 700 feet bgs

- Groundwater Contour (feet msl)
- Groundwater Contour Inferred (feet msl)

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Siuperfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit

NAVFAC Naval Facilities Engineering Command

SEPTEMBER 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP (GREATER THAN 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-12	REV DATE	4/30/2018

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\2017_BP_700below_GW_ELE_sept.mxd MMC 4/30/2018

N

HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
NG
HR
NWIRP
BCP
NG
Hicksville
Bethpage
Levittown
North Massapequa
LWD-2A
LWD--6B
LWD-9
LWD-3
LWD-12
LWD-14
LWD-5A
LWD-7A
LWD-8A
LWD-13
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
NYAW-4S
NYAW-3S
SFWD-1-4
SFWD-1-3
SFWD-1-2
SFWD-6-1
SFWD-6-2
SFWD-3-1
MWD-4
MWD-5
Groundwater Flow
RE121D1 1.19
RE114D2 1.11
RE115D1 0.31
BPOW 4-1R 1.19
BPOW 3-4 1.41
BPOW 2-3 5.47
BPOW 5-5 0.94
BPOW 5-7 1.86
TT-102D 1.52
BPOW 6-4 1.76
BPOW 6-5 1.5
BPOW 6-1 1.47

Legend

- Monitoring Well
- Public Water Supply Well

2017 TCE (500 to 700 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

Change in Groundwater May to September 2017

- 0.5 - 1.0 feet
- 1.0 - 1.5 feet
- 1.5 - 2.0 feet
- 1.5 - 2.0 feet (inferred)
- > 2.0 feet

0 1,000 2,000 3,000 4,000 Feet

Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit

NAVFAC Naval Facilities Engineering Command

CHANGE IN GROUNDWATER ELEVATIONS MAY TO SEPTEMBER 2017 (500 to 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-13	REV	DATE 4/30/2018

NOR P:\GIS_files\BethpageIMAP DOCS\MXD\2017_SP\chane_gw_2017.mxd MMC

N

HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
LWD-2A
LWD--6B
LWD-5A
LWD-9
LWD-7A
LWD-8A
LWD-13
LWD-3
LWD-12
LWD-14
SFWD-3-1
SFWD-6-1
SFWD-6-2
SFWD-1-4
SFWD-1-3
SFWD-1-2
NYAW-4S
NYAW-3S
MWD-4
MWD-5

HR
NG
NWIRP
BCP
NG

Hicksville
Levittown
Bethpage
North Massapequa
North Wantagh

HEMPSTEAD TNPK
SOUTHERN STATE PKWY

Legend

- Public Water Supply Well
- 1962 Northrop Grumman Property
- Hooker Ruco Superfund Site
- 1997 NWIRP Bethpage Property
- 1997 Northrop Grumman Property

Zones of Contribution for Well Fields

- ZONE-B - SFWD Plant 6
- ZONE-G - SFWD Plant 3
- ZONE-R - NYAW 3S and 4S

0 1,000 2,000 3,000 4,000 Feet

Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility

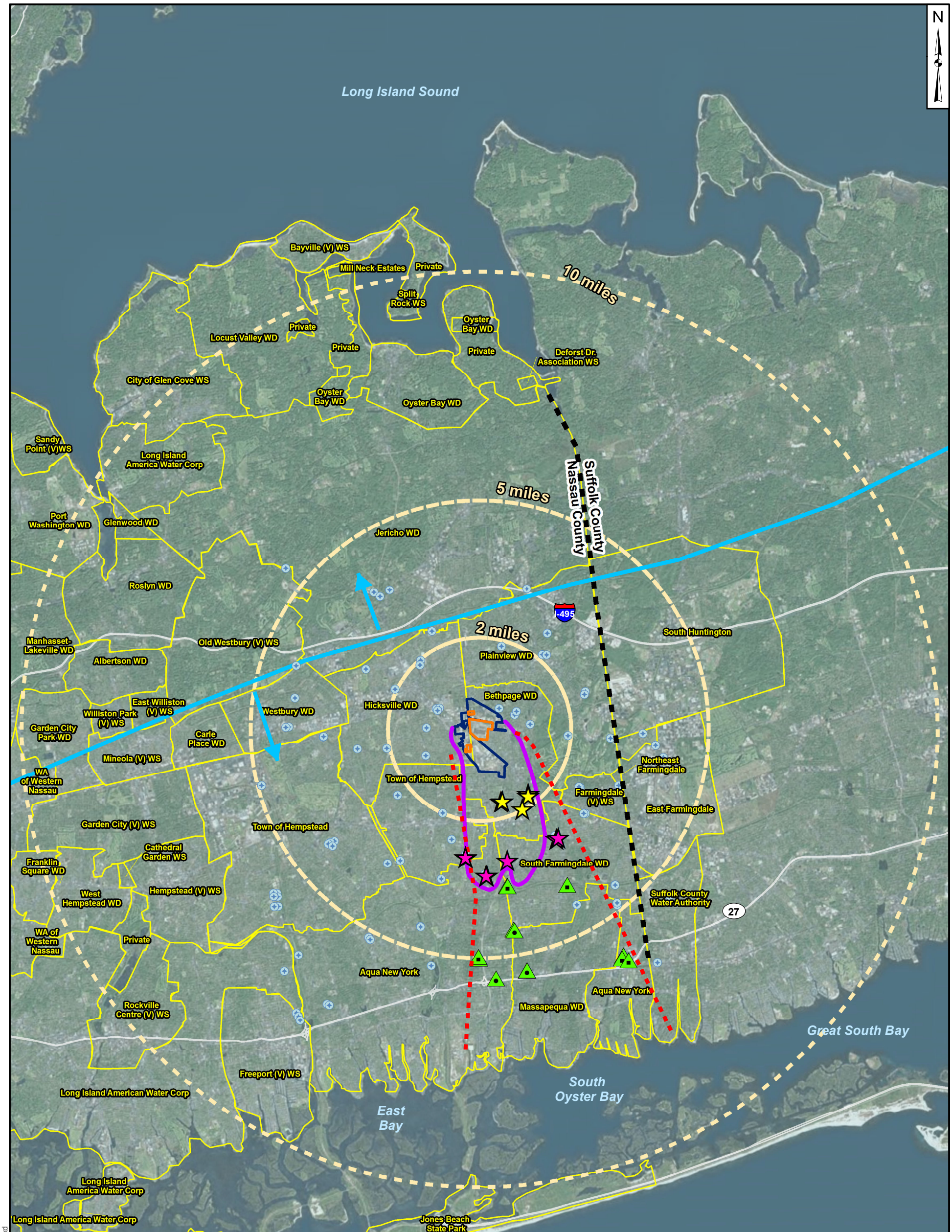
NAVFAC Naval Facilities Engineering Command

USGS MODEL: ZONES OF CONTRIBUTION FOR WELL FIELDS NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	3-14	REV DATE	4/30/2018

4/30/2018

NOR P:\GIS_files\BethpageMAP DOCS\MXD\2017_SP\BP_zones_new.mxd MMC



Legend

- Other Nassau County Public Water Supply Well
- Public Water Supply with treatment in place (Pre- Public Water Supply Contingency Plan)
- Public Water Supply identified in the Public Water Supply Contingency Plan with treatment in place
- Public Water Supply with potential future impact
- Groundwater Flow [1]
- Long Island Groundwater Divide
- Potential Groundwater Flow
- 2016 TCE 5 µg/L
- Mile Radius
- Water Districts 2014
- 1997 NWIRP Bethpage Property
- 1997 Northrop Grumman Property

0 1 2 4 Miles

Notes:
µg/L- microgram per liter
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
TCE- Trichloroethene

[1]From Como, et.al, 2015

Suffolk Couinty Public Water Supply Wells not shown

2013 ESRI Aerial Imagery

NAVFAC Naval Facilities Engineering Command

10-MILE RADIUS MIGRATION MAP NASSAU COUNTY WATER DISTRICTS NASSAU COUNTY, NEW YORK

FILE	112G08005-WE09	SCALE	AS NOTED
FIGURE NO.	4-1	REV	DATE 5/31/2017

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N

HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
LWD-2A
LWD--6B
LWD-5A
LWD-9
LWD-7A
LWD-8A
LWD-3
LWD-12
LWD-14
LWD-13
SFWD-3-1
SFWD-6-1
SFWD-6-2
SFWD-1-4
SFWD-1-3
SFWD-1-2
NYAW-4S
NYAW-3S
MWD-4
MWD-5

NG
HR
NWIRP
BCP
NG

5 µg/L
100 µg/L
5 µg/L
100 µg/L

RE114D2 1.11
RE115D1 0.31
RE121D1 1.19
BPOW 4-1R 1.19
BPOW 3-4 1.41
BPOW 2-3 5.47
BPOW 5-5 0.94
BPOW 5-7 1.86
TT-102D 1.52
BPOW 6-4 1.76
BPOW 6-5 1.5
BPOW 6-1 1.47

Hicksville
Levittown
Bethpage
North Massapequa
HEMPSTEAD TNPK

Legend

- Monitoring Well
- Public Water Supply Well

2017 TCE (500 to 700 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE

Change in Groundwater May to September 2017

- 0.5 - 1.0 feet
- 1.0 - 1.5 feet
- 1.5 - 2.0 feet
- 1.5 - 2.0 feet (inferred)
- > 2.0 feet

0 1,000 2,000 3,000 4,000 Feet

Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit

NAVFAC Naval Facilities Engineering Command

CHANGE IN GROUNDWATER ELEVATIONS MAY TO SEPTEMBER 2017 (500 to 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	4-2	REV	DATE 4/30/2018

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APPENDICES

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APPENDIX A
CHEMICAL DATA TABLES
(Provided on CD only)

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APPENDIX A
CHEMICAL DATA TABLES

A1- TRICHLOROETHENE RESULTS
A2- ALL VOCs NOT AVAILABLE IN NIRIS

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A1- TRICHLOROETHENE RESULTS

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2017 Trichloroethene (TCE) Concentrations
Groundwater Locations
Former NWIRP Bethpage, New York
Page 1 of 7

LOCATION	TCE µg/L	DATE	PLUME DEPTH (ft bgs)	DATA SOURCE
B24MW-2	2.4	12/29/2017	0-300	Arcadis, 2018a. 2017 Annual Operation, Maintenance and Monitoring Report for the Bethpage Park Groundwater Containment System (BPGWCS), Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. March.
BPOW 1-1	1.1	11/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
FW-03	0.71	4/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-13D	23	4/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-15I	2.1	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-15S	11.1	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-17D	0.83	5/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-17I	ND	11/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-18D	0.63	10/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-18I	0.96	7/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-20D	1	4/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-20I	0.68	4/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-21D	1.5	5/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-21D2	21	5/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-21I	0.67	4/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-21S	0.42	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-36D	ND	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.

2017 Trichloroethene (TCE) Concentrations
Groundwater Locations
Former NWIRP Bethpage, New York
Page 2 of 7

LOCATION	TCE µg/L	DATE	PLUME DEPTH (ft bgs)	DATA SOURCE
GM-37D	8	7/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-39DA	1.6	5/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-74I	1.1	10/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-78I	0.44	5/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-78S	0.43	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-79D	46.9	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-79I	0.45	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
HN-24IR	11.2	4/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
HN-40I	ND	4/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
HN-40S	ND	4/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
HN-42I	0.42	4/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
HN-42S	ND	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
MW-109-3	305	11/21/2017	0-300	Arcadis 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED
MW-208-1	12.8	8/10/2017	0-300	Arcadis, 2018a. 2017 Annual Operation, Maintenance and Monitoring Report for the Bethpage Park Groundwater Containment System (BPGWCS), Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. March.
N-10624	0.33	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
N-10627	0.31	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
N-10631	1.3	6/17/2018	0-300	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.

2017 Trichloroethene (TCE) Concentrations
Groundwater Locations
Former NWIRP Bethpage, New York

LOCATION	TCE µg/L	DATE	PLUME DEPTH (ft bgs)	DATA SOURCE
RW-1	ND	11/29/2017	0-300	Arcadis, 2018a. 2017 Annual Operation, Maintenance and Monitoring Report for the Bethpage Park Groundwater Containment System (BPGWCS), Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. March.
RW-2	13.6	3/17/207	0-300	Arcadis, 2018a. 2017 Annual Operation, Maintenance and Monitoring Report for the Bethpage Park Groundwater Containment System (BPGWCS), Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. March.
RW-3	2.2	3/17/207	0-300	Arcadis, 2018a. 2017 Annual Operation, Maintenance and Monitoring Report for the Bethpage Park Groundwater Containment System (BPGWCS), Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. March.
RW-4	0.45	3/17/2017	0-300	Arcadis, 2018a. 2017 Annual Operation, Maintenance and Monitoring Report for the Bethpage Park Groundwater Containment System (BPGWCS), Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. March.
BPOW 1-2	0.9	11/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 1-3	ND	11/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 1-4	ND	11/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 2-1	ND	10/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 2-2	ND	10/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-15D	0.33	11/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-34D	299	6/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-37D2	1.6	7/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-38D	89	10/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-38D2	306	5/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-38D2	306	5/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM38-RW03	230	3/2/2017	300-500	Koman Government Solutions (KGS), 2018. 2017 Annual Operations Report Groundwater Treatment Plant GM-38 Area Groundwater Remediation, NWIRP Bethpage, New York. January.

2017 Trichloroethene (TCE) Concentrations
Groundwater Locations
Former NWIRP Bethpage, New York

LOCATION	TCE µg/L	DATE	PLUME DEPTH (ft bgs)	DATA SOURCE
GM-39DB	64.5	11/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-70D2	7.8	4/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-71D2	12.1	4/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-73D	20.2	10/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-74D	1.5	10/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-78D	3.5	5/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-78D2	1.6	5/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
MW 3-1	119	7/17/2018	300-500	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
MW-111-4	1640	11/21/2017	300-500	Arcadis 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED
RE104D1	79	3/7/2017	300-500	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
RE106D1	7.4	3/8/2017	300-500	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
RE106D2	46	3/8/2017	300-500	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
RE109D1	26	12/11/2017	300-500	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE109D2	29	12/11/2017	300-500	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE123D1	8.4	12/12/2017	300-500	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE131D1	140	12/7/2017	300-500	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RW1-MW1	110	9/17/2018	300-500	Koman Government Solutions (KGS), 2018. 2017 Annual Operations Report Groundwater Treatment Plant GM-38 Area Groundwater Remediation, NWIRP Bethpage, New York. January.
TT-101D	85	6/1/2017	300-500	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
BPOW 1-5	ND	11/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 2-3	ND	10/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.

2017 Trichloroethene (TCE) Concentrations
Groundwater Locations
Former NWIRP Bethpage, New York
Page 5 of 7

LOCATION	TCE µg/L	DATE	PLUME DEPTH (ft bgs)	DATA SOURCE
BPOW 3-1	ND	11/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 3-2	ND	11/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 3-3	ND	11/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 3-4	106	11/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 4-1R	0.84	5/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 5-1	ND	5/1/2017	500-700	Arcadis 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED
BPOW 5-2	ND	5/1/2017	500-700	Arcadis 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED
BPOW 5-3	ND	5/15/2017	500-700	Arcadis 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED
BPOW 5-4	ND	5/12/2017	500-700	Arcadis 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED
BPOW 5-5	ND	12/11/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
BPOW 5-6	ND	12/11/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
BPOW 5-7	ND	12/18/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
BPOW 6-1	ND	12/12/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
BPOW 6-4	ND	12/14/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
BPOW 6-5	ND	12/18/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
GM-15D2	10	6/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-33D2	18.7	10/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-34D2	110	6/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-35D2	38.4	4/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-36D2	3	6/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-73D2	35.7	4/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.

2017 Trichloroethene (TCE) Concentrations
Groundwater Locations
Former NWIRP Bethpage, New York

LOCATION	TCE µg/L	DATE	PLUME DEPTH (ft bgs)	DATA SOURCE
GM-73D3	1.8	10/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-74D2	7.8	10/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-74D3	5.85	10/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
GM-75D2	26.4	6/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
MW-116-5	1650	11/20/2017	500-700	Arcadis 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED
RE105D1	120	3/17/2017	500-700	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
RE106D3	84	3/8/2017	500-700	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
RE108D1	61	3/16/2017	500-700	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
RE108D2	3100	12/6/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE115D1	86	3/16/2017	500-700	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
RE122D2	4700	3/13/2017	500-700	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
RE123D2	2.1	12/12/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE124D1	3.9	12/1/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE126D1	85	12/7/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE126D3	4.3	12/7/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE131D2	67	12/7/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE131D3	9.5	12/7/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE133D1	ND	12/1/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
TT-101D1	200	6/1/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
TT-102D	ND	12/7/2017	500-700	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
WELL 1	702	2/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
WELL 17	116	12/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
Well 18	55.6	6/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.

2017 Trichloroethene (TCE) Concentrations
Groundwater Locations
Former NWIRP Bethpage, New York
Page 7 of 7

LOCATION	TCE µg/L	DATE	PLUME DEPTH (ft bgs)	DATA SOURCE
Well 19	139	2/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
WELL 3	498	2/17/2018	500-700	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 1-6	ND	11/17/2018	700 above	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 4-2R	0.92	11/17/2018	700 above	Arcadis, 2018b. 2017 Annual Operation Maintenance and Monitoring Report, OU2, Northrop Grumman Systems Corporation and NWIRP Sites, Bethpage, New York. March.
BPOW 6-2	ND	12/12/2017	700 above	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
BPOW 6-3	ND	12/14/2017	700 above	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
BPOW 6-6	ND	12/18/2017	700 above	Resolution Consultants, 2017c. March 2017 Groundwater Sampling Data Summary Report. NWIRP Site 1 OU2, Bethpage, NY. August.
RE104D2	27	12/5/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE104D3	ND	12/5/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE117D1	15	6/8/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE120D3	37	6/6/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE122D3	6.7	6/6/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE123D3	ND	12/12/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE124D2	ND	12/1/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
RE133D2	ND	12/1/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
TT-101D2	860	12/8/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.
TT-102D2	ND	12/7/2017	700 above	Resolution Consultants, 2017h. 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED.

Notes:
ft bgs- feet below ground surface
ND- Non Detect
µg/L- micrograms per liter

2017 Trichloroethene (TCE) Concentrations
Vertical Profile Boring
Former NWIRP Bethpage, New York
Page 1 of 2

LOCATION	SAMPLE DEPTH (ft bgs)	TOTAL DEPTH (ft bgs)	SAMPLE DATE	TCE µg/L	DATA SOURCE
VPB143	238 to 240	895	4/14/2017	6.1	Resolution Consultants, 2018. 2017 OU2 Groundwater Investigation Data Summary Report VPB 143. Naval Weapons Industrial Reserve Plant Bethpage, NY. January.
VPB143	478 to 480	895	4/20/2017	5.5	Resolution Consultants, 2018. 2017 OU2 Groundwater Investigation Data Summary Report VPB 143. Naval Weapons Industrial Reserve Plant Bethpage, NY. January.
VPB143	598 to 600	895	4/24/2017	65	Resolution Consultants, 2018. 2017 OU2 Groundwater Investigation Data Summary Report VPB 143. Naval Weapons Industrial Reserve Plant Bethpage, NY. January.
VPB143	798 to 800	895	4/28/2017	ND	Resolution Consultants, 2018. 2017 OU2 Groundwater Investigation Data Summary Report VPB 143. Naval Weapons Industrial Reserve Plant Bethpage, NY. January.
VPB164	240	968	5/1/2016	0.94	Resolution Consultants, 2017a. 2016 OU2 Groundwater Investigation Data Summary Report VPB 164. Naval Weapons Industrial Reserve Plant Bethpage, NY. April.
VPB164	398-400	968	4/15/2016	ND	Resolution Consultants, 2017a. 2016 OU2 Groundwater Investigation Data Summary Report VPB 164. Naval Weapons Industrial Reserve Plant Bethpage, NY. April.
VPB164	608-610	968	4/20/2016	ND	Resolution Consultants, 2017a. 2016 OU2 Groundwater Investigation Data Summary Report VPB 164. Naval Weapons Industrial Reserve Plant Bethpage, NY. April.
VPB164	798-800	968	4/26/2016	ND	Resolution Consultants, 2017a. 2016 OU2 Groundwater Investigation Data Summary Report VPB 164. Naval Weapons Industrial Reserve Plant Bethpage, NY. April.
VPB166	220	960	10/1/2017	110	Resolution Consultants, 2017d. Vertical Profile Boring VPB-166 October 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB166	500	960	10/1/2017	100	Resolution Consultants, 2017d. Vertical Profile Boring VPB-166 October 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB166	582	960	10/1/2017	240	Resolution Consultants, 2017d. Vertical Profile Boring VPB-166 October 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB166	698 to 700	960	9/11/2017	1800	Resolution Consultants, 2017d. Vertical Profile Boring VPB-166 October 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB168	278 to 280	885	10/26/2017	51	Resolution Consultants, 2017e. Vertical Profile Boring VPB-168 November 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB168	500	885	11/20/2017	120	Resolution Consultants, 2017e. Vertical Profile Boring VPB-168 November 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB168	518 to 520	885	11/2/2017	160	Resolution Consultants, 2017e. Vertical Profile Boring VPB-168 November 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB168	743 to 745	885	11/13/2017	ND	Resolution Consultants, 2017e. Vertical Profile Boring VPB-168 November 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB169	283 to 285	900	5/18/2017	0.88	Resolution Consultants, 2017b. Vertical Profile Boring VPB-169 June 2017 Preliminary Analytical Data NOT YET PUBLISHED.

2017 Trichloroethene (TCE) Concentrations
Vertical Profile Boring
Former NWIRP Bethpage, New York
Page 2 of 2

LOCATION	SAMPLE DEPTH (ft bgs)	TOTAL DEPTH (ft bgs)	SAMPLE DATE	TCE µg/L	DATA SOURCE
VPB169	418 to 420	900	5/24/2017	ND	Resolution Consultants, 2017b. Vertical Profile Boring VPB-169 June 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB169	598 to 600	900	6/1/2017	ND	Resolution Consultants, 2017b. Vertical Profile Boring VPB-169 June 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB169	898 to 900	900	6/21/2017	ND	Resolution Consultants, 2017b. Vertical Profile Boring VPB-169 June 2017 Preliminary Analytical Data NOT YET PUBLISHED.
VPB170	258 to 260	875	2/27/2017	3	Resolution Consultants, 2017f. 2017 Site 1 Operable Unit 2 Groundwater Investigation Data Summary Report Vertical Profile Boring 170 NWIRP Bethpage, NY. November.
VPB170	318 to 320	875	2/28/2017	2.8	Resolution Consultants, 2017f. 2017 Site 1 Operable Unit 2 Groundwater Investigation Data Summary Report Vertical Profile Boring 170 NWIRP Bethpage, NY. November.
VPB170	638 to 640	875	3/21/2017	ND	Resolution Consultants, 2017f. 2017 Site 1 Operable Unit 2 Groundwater Investigation Data Summary Report Vertical Profile Boring 170 NWIRP Bethpage, NY. November.
VPB170	798 to 800	875	3/29/2017	ND	Resolution Consultants, 2017f. 2017 Site 1 Operable Unit 2 Groundwater Investigation Data Summary Report Vertical Profile Boring 170 NWIRP Bethpage, NY. November.
VPB171	243 to 245	770	11/3/2016	79	Resolution Consultants, 2017g. 2016 Groundwater Investigation Data Summary Report Site 1 Operable Unit 2 Vertical Profile Boring 171 NWIRP Bethpage, NY. November.
VPB171	338 to 340	770	11/7/2016	220	Resolution Consultants, 2017g. 2016 Groundwater Investigation Data Summary Report Site 1 Operable Unit 2 Vertical Profile Boring 171 NWIRP Bethpage, NY. November.
VPB171	698 to 700	770	11/16/2016	3600	Resolution Consultants, 2017g. 2016 Groundwater Investigation Data Summary Report Site 1 Operable Unit 2 Vertical Profile Boring 171 NWIRP Bethpage, NY. November.
VPB171	738 to 740	770	11/17/2016	460	Resolution Consultants, 2017g. 2016 Groundwater Investigation Data Summary Report Site 1 Operable Unit 2 Vertical Profile Boring 171 NWIRP Bethpage, NY. November.

Notes:
ft bgs- feet below ground surface
ND- Non Detect
µg/L- micrograms per liter

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A2- ALL VOCs NOT AVAILABLE IN NIRIS

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MARCH 2017 GROUNDWATER SAMPLING DATA SUMMARY REPORT

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP)
SITE 1 OU2
BETHPAGE, NY

Prepared for:



Department of the Navy
Naval Facilities Engineering Command, Atlantic
9324 Virginia Avenue
Building Z-144
Norfolk, Virginia 23511

August 2017

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	TT101D1	TT101D1	TT101D2	RE106D1
Sample Date		3/8/2017	3/8/2017	3/8/2017	3/8/2017
Sample ID		TT101D1-GW-030817	DUP01-GW-030817	TT101D2-GW-030817	RE106D1-GW-030817
Sample type code		N	FD	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.57 J**	**0.60 J**	**0.43 J**	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**17**	**17**	**29**	**1.3**
1,1,2-TRICHLOROETHANE	1	**0.51 J**	**0.52 J**	**0.82 J**	<0.50 U
1,1-DICHLOROETHANE	5	**1.1**	**1.1**	**1**	<0.50 U
1,1-DICHLOROETHENE	5	**6.8**	**6.8**	**6.6**	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**1.9 J**	**1.8 J**	**1.7 J**	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**10 J**	**11 J**	**5.2 J**	**11 J**
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 U	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	**1.6**	**1.6**	**1.1**	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	**0.84 J**	**0.94 J**	**1**	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**1.9**	**1.8**	**1.7**	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	**1.3 J**	**1.5 J**	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	**1.4**	**0.68 J**
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**190**	**190**	**780**	**7.4**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE106D2	RE106D3	RE103D1	RE103D2
Sample Date		3/8/2017	3/8/2017	3/7/2017	3/7/2017
Sample ID		RE106D2-GW-030817	RE106D3-GW-030817	RE103D1-GW-030717	RE103D2-GW-030717
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**12**	**71**	**9.4**	**3.7**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	**0.71 J**	<1.0 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	**0.78 J**	<1.0 U
1,1-DICHLOROETHENE	5	<0.50 U	**0.71 J**	**7**	**1.2 J**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<1.5 U***	***<1.5 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<1.0 U	<1.0 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<1.0 U	<1.0 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
1,2-DICHLOROETHENE, TOTAL	5	**0.97 J**	**2**	**2.7 J**	**1.4 J**
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<1.0 U	<1.0 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<1.0 U	<1.0 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<1.0 U	<1.0 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**14 J**	**14 J**	**17 J**	**3.4 J**
2-BUTANONE	50	<2.5 U	<2.5 U	<5.0 U	<5.0 U
2-HEXANONE	50	<2.5 U	<2.5 U	<5.0 U	<5.0 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<5.0 U	<5.0 U
ACETONE	50	<2.5 UJ	<2.5 U	**6.9 J**	<5.0 UJ
BENZENE	1	<0.50 U	<0.50 U	<1.0 U	<1.0 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<1.0 U	<1.0 U
BROMOFORM	50	<0.50 U	<0.50 U	<1.0 U	<1.0 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<2.0 U	<2.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<1.0 U	<1.0 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<2.0 U	<2.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	**0.66 J**	**0.82 J**
CHLOROMETHANE	5	<1.0 U	<1.0 U	<2.0 U	<2.0 U
CIS-1,2-DICHLOROETHENE	5	**0.97 J**	**2**	**2.7**	**1.4 J**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<1.0 U***	***<1.0 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<1.0 U	<1.0 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<2.0 UJ	<2.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<2.0 U	<2.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<1.5 U	<1.5 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<1.0 U	<1.0 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<1.0 U	<1.0 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<5.0 U	<5.0 U
O-XYLENE	NL	<0.50 U	<0.50 U	<1.0 U	<1.0 U
STYRENE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
TETRACHLOROETHENE	5	**8.1**	**35**	**3.3**	<1.0 U
TOLUENE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<1.0 U	<1.0 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<1.0 U***	***<1.0 U***
TRICHLOROETHENE	5	**46**	**84**	**740**	**700**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<2.0 U	<2.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<2.0 U	<2.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<3.0 U	<3.0 U

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE103D3-	RE104D1	RE104D2	RE104D3
Sample Date		3/7/2017	3/7/2017	3/7/2017	3/7/2017
Sample ID		RE103D3-GW-030717	RE104D1-GW-030717	RE104D2-GW-030717	RE104D3-GW-030717
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**1.9**	**2.7**	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	**0.33 J**	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	**0.48 J**	**0.64 J**	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**0.69 J**	**0.75 J**	**3.2**	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**1.0 J**	**9.6 J**	**0.38 J**	<0.18 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**7.4**	**10**	**8.5**	**9.2**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	**0.55 J**	<0.50 U	**0.64 J**	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**0.69 J**	**0.75 J**	**3.2**	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	**0.34 J**	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	**1.9**	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**420**	**79**	**10**	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	TT101D	RE120D1	RE120D2	RE120D3
Sample Date		3/8/2017	3/9/2017	3/9/2017	3/9/2017
Sample ID		TT101D-GW-030817	RE120D1-GW-030917	RE120D2-GW-030917	RE120D3-GW-030917
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.27 J**	**0.93 J**	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**16**	**29**	**19 J**	**0.88 J**
1,1,2-TRICHLOROETHANE	1	<0.50 U	**0.93 J**	**0.48 J**	<0.50 U
1,1-DICHLOROETHANE	5	**0.83 J**	**2.4**	**0.94 J**	<0.50 U
1,1-DICHLOROETHENE	5	**3.7**	**17**	**5.8**	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<1.5 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<1.0 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<1.0 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**3**	**3.2 J**	**2.6**	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<1.0 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<1.0 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<1.0 U	<0.50 U	<0.50 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**9.7 J**	**17**	**13**	**0.32**
2-BUTANONE	50	<2.5 U	<5.0 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<5.0 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<5.0 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	**12 J**	**7.6 J**	**12 J**
BENZENE	1	<0.50 U	<1.0 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<1.0 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<1.0 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<2.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<1.0 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<1.0 U	**0.38 J**	<0.50 U
CHLOROBENZENE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<2.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	**0.49 J**	**0.74 J**	**0.68 J**	<0.50 U
CHLOROMETHANE	5	<1.0 U	<2.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**3**	**3.2**	**2.6**	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<1.0 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<1.0 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	**2.0 J**	<2.0 UJ	**0.34 J**	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<2.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<1.5 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<1.0 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<1.0 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<5.0 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<1.0 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	**1.6 J**	**2.5**	<0.50 U
TOLUENE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<1.0 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<1.0 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**70**	**1000**	**610**	**31**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<2.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<2.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<3.0 U	<1.5 U	<1.5 U

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE123D1	RE123D2	RE123D3	RE122D3
Sample Date		3/9/2017	3/9/2017	3/9/2017	3/13/2017
Sample ID		RE123D1-GW-030917	RE123D2-GW-030917	RE123D3-GW-030917	RE122D3-GW-031317
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	**0.33 J**	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**6.4**	**0.73**	<0.18 U	<0.18 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**14 J**	**6.9 J**	**7.2 J**	**9.3 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	**0.88 J**	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**4.8**	**1.6**	<0.50 U	**6.2**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE125D1	RE125D2	RE125D3	RE131D1
Sample Date		3/13/2017	3/13/2017	3/13/2017	3/10/2017
Sample ID		RE125D1-GW-031317	RE125D2-GW-031317	RE125D3-GW-031317	RE131D1-GW-031017
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	**0.54 J**	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**9.4**	**24**	**38**	**4.3**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	**1.8**	**0.82 J**	<0.50 U	**0.59 J**
1,1-DICHLOROETHENE	5	**1.9**	**6.9**	**0.67 J**	**0.81 J**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**4.2**	**3.8**	**1.8 J**	**4.5**
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**14**	**14**	**4.2**	**13**
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**9.3 J**	**8.0 J**	**11 J**	**12 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOFORM	50	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOMETHANE	5	<1.0 U	<1.0 UJ	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	**0.78 J**	**0.45 J**	**0.38 J**	**2.5**
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**4.2**	**3.8**	**1.8**	**4.5**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	**0.42 J**	**0.59 J**	**0.31 J**	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	**0.37 J**	<0.50 U	<0.50 U	**0.54 J**
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	**6.6**	**1.7**	**1.7**	**9.4**
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**150**	**220**	**140**	**110**
TRICHLOROFLUOROMETHANE	5	<1.0 U	**0.30 J**	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE131D2	RE131D3	RE126D1	RE126D2
Sample Date		3/10/2017	3/10/2017	3/10/2017	3/10/2017
Sample ID		RE131D2-GW-031017	RE131D3-GW-031017	RE126D1-GW-031017	RE126D2-GW-031017
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	**0.50 J**
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**240**	**120**	**0.45 J**	**1**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	**0.48 J**
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	**2**
1,1-DICHLOROETHENE	5	**1.6**	**0.83 J**	<0.50 U	**1.2**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**4.1**	**0.42 J**	<1.0 U	**3.1**
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**13**	**2**	**7**	**5.8**
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**15 J**	**5.6 J**	**15 J**	**9.9 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOFORM	50	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	**0.39 J**	<0.50 U	<0.50 U	**0.52 J**
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**4.1**	**0.42 J**	<0.50 U	**3.1**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	**5.4**	**1.7**	**0.74 J**	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**45**	**6.3**	**34**	**400**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE126D3	RE122D1	RE122D2	RE115D1
Sample Date		3/10/2017	3/13/2017	3/13/2017	3/16/2017
Sample ID		RE126D3-GW-031017	RE122D1-GW-031317	RE122D2-GW-031317	RE115D1-GW-031617
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**0.44 J**	**5.2**	**19**	**6.1**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	***<5.0 U***	**0.55 J**
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	**0.99 J**	**7.2 J**	**2.2**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<7.5 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<5.0 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	***<5.0 U***	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	**2.1**	**7.3 J**	**1.3 J**
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	***<5.0 U***	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	***<5.0 U***	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	***<5.0 U***	<0.50 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**1.5 J**	**7.8**	**12**	**8.2 J**
2-BUTANONE	50	<2.5 U	<2.5 U	<25 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<25 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<25 U	<2.5 U
ACETONE	50	**16 J**	**17 J**	<25 UJ	**10**
BENZENE	1	<0.50 U	<0.50 U	***<5.0 U***	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 UJ	<5.0 UJ	<0.50 U
BROMOFORM	50	<0.50 UJ	<0.50 UJ	<5.0 UJ	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 UJ	***<10 UJ***	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<5.0 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 UJ	<5.0 UJ	**1.8**
CHLOROBENZENE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	***<10 UJ***	<1.0 U
CHLOROFORM	7	<0.50 U	**0.61 J**	**3.2 J**	**1.3**
CHLOROMETHANE	5	<1.0 U	**0.37 J**	***<10 U***	**0.88 J**
CIS-1,2-DICHLOROETHENE	5	<0.50 U	**1.8**	**7.3 J**	**1.3**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<5.0 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<5.0 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	***<10 UJ***	**1.4 J**
ETHYLBENZENE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<10 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<7.5 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<5.0 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<5.0 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	***<25 U***	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<5.0 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
TETRACHLOROETHENE	5	**1.4**	**1.8**	<5.0 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<5.0 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	**0.34 J**	<5.0 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<5.0 U***	***<0.50 U***
TRICHLOROETHENE	5	**2**	**540**	**4700**	**86**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	***<10 U***	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	***<10 U***	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	***<15 U***	<1.5 U

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE115D2	RE108D1	RE108D1	RE108D2
Sample Date		3/16/2017	3/16/2017	3/16/2017	3/16/2017
Sample ID		RE115D2-GW-031617	RE108D1-GW-031617	DUP02-GW-031617	RE108D2-GW-031617
Sample type code		N	N	FD	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.64 J**	<0.50 U	<0.50 U	<2.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**18**	**0.77 J**	**0.87 J**	**3.4 J**
1,1,2-TRICHLOROETHANE	1	**0.75 J**	<0.50 U	<0.50 U	***<2.5 U***
1,1-DICHLOROETHANE	5	**0.75 J**	<0.50 U	<0.50 U	**3.9 J**
1,1-DICHLOROETHENE	5	**5.5**	<0.50 U	<0.50 U	**4.4 J**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<3.8 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,2-DICHLOROETHENE, TOTAL	5	**2.4**	**0.40 J**	**0.39 J**	**6.2 J**
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	***<2.5 U***
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**6.8**	**11**	**11**	**10**
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<12 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<12 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<12 U
ACETONE	50	**8.9**	**14 J**	**8.4 J**	**14 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	***<2.5 U***
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<2.5 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<2.5 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<5.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<2.5 U
CARBON TETRACHLORIDE	5	**1.5**	<0.50 U	<0.50 U	**1.4 J**
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<5.0 U
CHLOROFORM	7	**0.90 J**	<0.50 U	<0.50 U	**3.3 J**
CHLOROMETHANE	5	**0.40 J**	**1.5 J**	<1.0 U	<5.0 U
CIS-1,2-DICHLOROETHENE	5	**2.4**	**0.40 J**	**0.39 J**	**6.2**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<2.5 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<2.5 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<5.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<5.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<3.8 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<2.5 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<2.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	***<12 U***
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<2.5 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
TETRACHLOROETHENE	5	<0.50 U	**1.8**	**1.6**	<2.5 U
TOLUENE	5	**0.27 J**	<0.50 U	<0.50 U	<2.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<2.5 U***
TRICHLOROETHENE	5	**230**	**61**	**62**	**2900**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<5.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	***<5.0 U***
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	***<7.5 U***

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	RE105D1	RE105D2	RE117D1	RE117D2
Sample Date		3/17/2017	3/17/2017	3/17/2017	3/17/2017
Sample ID		RE105D1-GW-031717	RE105D2-GW-031717	RE117D1-GW-031717	RE117D2-GW-031717
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.22 J**	**0.54 J**	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**5.9**	**18**	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	**1.2**	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	**1.6**	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	**0.86 J**	**6.4**	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**1.3 J**	**3.4**	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DIOXANE (Method 8270D_SIM)	NL	**14**	**12**	<0.17 U	<0.17 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	**1.9 J**
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**14**	**16**	<2.5 U	**19**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<1.0 U	<1.0 UJ	<1.0 UJ
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	**3.4**	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	**2**	<0.50 U	<0.50 U
CHLOROMETHANE	5	**0.70 J**	**0.91 J**	<1.0 U	**0.65 J**
CIS-1,2-DICHLOROETHENE	5	**1.3**	**3.4**	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	**0.43 J**	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<0.75 U	<0.75 UJ	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	**2.2**	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**120**	**1800**	**14**	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 2
ANALYTICAL DATA SUMMARY FOR
WELLS SAMPLED BY RESOLUTION CONSULTANTS
2017 OU2 GROUNDWATER INVESTIGATION

Notes:

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series (6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)
Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

Bold = Detected; ***Bold and Italics*** =Not detected exceeds NYS Groundwater Standards or guidance value
Yellow highlighted values exceed Groundwater Standards or guidance value

Sample type codes: N - normal environmental sample, FD - field duplicate

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

CONSTITUENT Units (ug/L)	Well: Sample ID: Date:	BPOW 5-1 BPOW 5-1 2/24/2017	BPOW 5-2 BPOW 5-2 2/24/2017	BPOW 5-3 BPOW 5-3 2/27/2017	BPOW 5-4 BPOW 5-4 3/8/2017	BPOW 5-5 BPOW 5-5 2/23/2017	BPOW 5-6 BPOW 5-6 2/23/2017	BPOW 5-7 BPOW 5-7 2/28/2017
Volatile Organic Compounds (VOCs) [1]								
1,1,1-Trichloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
1,1,2,2-Tetrachloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
1,1,2-trichloro-1,2,2-trifluroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
1,1-Dichloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
1,1-Dichloroethene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
1,2-Dichloropropane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
2-Butanone (MEK)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J
2-Hexanone		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 J
4-methyl-2-pentanone (MIK)		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 J
Acetone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Bromodichloromethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Bromoform		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Bromomethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon tetrachloride		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Chloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Chloromethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-dichloroethene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
cis-1,3-dichloropropene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Dibromochloromethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Ethylbenzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Methylene Chloride		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Styrene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
trans-1,2-dichloroethene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-dichloropropene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Trichloroethylene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Vinyl Chloride		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Xylene-o		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Xylenes - m,p		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J
Total VOCs [2]		0	0	0	0	0	0	0
1,4-Dioxane [3]		< 0.200	< 0.200	**1.50**	**1.16**	**1.13**	**0.111 J**	< 0.200

See last page for Notes and Abbreviations

Table 4.
Concentrations of Volatile Organic Compounds
and 1,4-Dioxane in Outpost Wells BPOW 5-1 through BPOW 5-7,
First Quarter 2017
Operable Unit 2 (Groundwater),
Bethpage, New York

Notes and Abbreviations:

(1)	Samples were analyzed for the TCL VOCs using USEPA Method 524.2.
(2)	Total VOCs are rounded to two significant figures.
(3)	Samples were analyzed for 1,4-Dioxane using USEPA Method 522.

Results validated following protocols specified in OU2 Groundwater Monitoring Plan (ARCADIS 2016).

Bold	Constituent detected
TCL	Target Compound List
VOC	Volatile Organic Compound
USEPA	United States Environmental Protection Agency
µg/L	Micrograms per liter
J	Constituent value is estimated
<0.50	Constituent not detected above its laboratory detection limit

CONSTITUENT / Units (ug/L)	Well: / Sample ID: / Date:	BPOW 6-1 BPOW 6-1 3/6/2017	BPOW 6-2 BPOW 6-2 3/6/2017	BPOW 6-3 BPOW 6-3 3/6/2017	BPOW 6-4 BPOW 6-4 3/6/2017	BPOW 6-5 BPOW 6-5 3/7/2017	BPOW 6-6 BPOW 6-6 3/7/2017
Volatile Organic Compounds (VOCs) [1]							
1,1,1-Trichloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-trichloro-1,2,2-trifluroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone (MEK)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hexanone		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
4-methyl-2-pentanone (MIK)		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Acetone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon tetrachloride		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-dichloroethene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-dichloropropene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene Chloride		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-dichloroethene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-dichloropropene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethylene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Vinyl Chloride		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Xylene-o		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Xylenes - m,p		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total VOCs [2]		0	0	0	0	0	0
1,4-Dioxane [3]		< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200

See last page for Notes and Abbreviations.

Notes and Abbreviations:

(1) Samples were analyzed for the TCL VOCs using USEPA Method 524.2.

(2) Total VOCs are rounded to two significant figures.

(3) Samples were analyzed for 1,4-Dioxane using USEPA Method 522.

Results validated following protocols specified in OU2 Groundwater Monitoring Plan (ARCADIS 2016).

Bold	Constituent detected
TCL	Target Compound List
VOC	Volatile Organic Compound
USEPA	United States Environmental Protection Agency
µg/L	Micrograms per liter
<0.50	Constituent not detected above its laboratory detection limit

Constituent (units in µg/L)	Well: Sample ID: Date:	RE133D1 RE133D1 3/3/2017	RE133D2 RE133D2 3/3/2017
Volatile Organic Compounds (VOCs) [1]			
1,1,1-Trichloroethane		< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluroethane		< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10
2-Hexanone		< 5.0	< 5.0
4-methyl-2-pentanone (MIK)		< 5.0	< 5.0
Acetone		< 10	< 10
Benzene		< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0
Bromoform		< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0
Carbon tetrachloride		< 1.0	< 1.0
Chlorobenzene		< 1.0	< 1.0
Chloroethane		< 1.0	< 1.0
Chloroform		< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0
cis-1,2-dichloroethene		< 1.0	< 1.0
cis-1,3-dichloropropene		< 1.0	< 1.0
Dibromochloromethane		< 1.0	< 1.0
Ethylbenzene		< 1.0	< 1.0
Methylene Chloride		< 2.0	< 2.0
Styrene		< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0
Toluene		**0.31 J**	< 1.0
trans-1,2-dichloroethene		< 1.0	< 1.0
trans-1,3-dichloropropene		< 1.0	< 1.0
Trichloroethylene		< 1.0	< 1.0
Vinyl Chloride		< 1.0	< 1.0
Xylene-o		< 1.0	< 1.0
Xylenes - m,p		< 1.0	< 1.0
Total VOCs [2]		**0.31**	0
1,4-Dioxane [2][3]		< 0.10	< 0.10

Notes and Abbreviations on last page.

Resolution Consultants 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		DUP01-GW-120517		
		Sample Date		12/5/2017		
		Sample Type		Field Duplicate		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.27	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	4.6		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.81	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.4	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.4		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.39	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.4	J	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	100		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	12		

Notes:

UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE104D1-GW-120517		
		Sample Date		12/5/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.1		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.58	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.73	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.73	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.25	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.9		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	69		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	9.5		

Notes:
UG_L = Micrograms per liter
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RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE104D2-GW-120517		
		Sample Date		12/5/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	9.1		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	1.2		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	9.1		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	27		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.87		

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE104D3-GW-120517		
		Sample Date		12/5/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.17	U	

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE105D1-GW-120517		
		Sample Date		12/5/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	4.7		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.74	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.3	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.3		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.47	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	100		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	12		

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE105D2-GW-120517		
		Sample Date		12/5/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	14		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	7.7		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.6	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	U	
8260C	2-BUTANONE	78-93-3	UG_L	10	U	
8260C	2-HEXANONE	591-78-6	UG_L	10	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	U	
8260C	ACETONE	67-64-1	UG_L	10	U	
8260C	BENZENE	71-43-2	UG_L	2	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	U	
8260C	BROMOFORM	75-25-2	UG_L	2	U	
8260C	BROMOMETHANE	74-83-9	UG_L	4	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	2	U	
8260C	CHLOROETHANE	75-00-3	UG_L	4	U	
8260C	CHLOROFORM	67-66-3	UG_L	1.4	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	4	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.6	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	2	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	2	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	U	
8260C	METHYL ACETATE	79-20-9	UG_L	3	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	U	
8260C	O-XYLENE	95-47-6	UG_L	2	U	
8260C	STYRENE	100-42-5	UG_L	2	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.2	J	
8260C	TOLUENE	108-88-3	UG_L	2	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1900		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	4	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	13		

Notes:

UG_L = Micrograms per liter
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RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE108D1-GW-120617		
		Sample Date		12/6/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.44	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.2		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	51		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	8.4		

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE108D2-GW-120617		
		Sample Date		12/6/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	20	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	20	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	20	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	20	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	20	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	20	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	20	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	30	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	20	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	20	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	20	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	40	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	20	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	20	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	20	U	
8260C	2-BUTANONE	78-93-3	UG_L	100	U	
8260C	2-HEXANONE	591-78-6	UG_L	100	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	100	U	
8260C	ACETONE	67-64-1	UG_L	100	U	
8260C	BENZENE	71-43-2	UG_L	20	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	20	U	
8260C	BROMOFORM	75-25-2	UG_L	20	U	
8260C	BROMOMETHANE	74-83-9	UG_L	40	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	20	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	20	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	20	U	
8260C	CHLOROETHANE	75-00-3	UG_L	40	U	
8260C	CHLOROFORM	67-66-3	UG_L	20	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	40	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	20	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	20	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	20	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	20	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	40	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	20	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	20	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	40	U	
8260C	METHYL ACETATE	79-20-9	UG_L	30	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	20	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	20	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	100	U	
8260C	O-XYLENE	95-47-6	UG_L	20	U	
8260C	STYRENE	100-42-5	UG_L	20	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	20	U	
8260C	TOLUENE	108-88-3	UG_L	20	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	20	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	20	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	3100		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	40	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	40	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	60	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	9.9		

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE122D1-GW-120617		
		Sample Date		12/6/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.8		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.3		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.51	J	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.57	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.6		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.28	J	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	490		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	10		

Notes:
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE122D2-GW-120617		
		Sample Date		12/6/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	8.2		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.7	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	4.5		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.3	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	U	
8260C	2-BUTANONE	78-93-3	UG_L	10	U	
8260C	2-HEXANONE	591-78-6	UG_L	10	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	U	
8260C	ACETONE	67-64-1	UG_L	10	U	
8260C	BENZENE	71-43-2	UG_L	2	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	U	
8260C	BROMOFORM	75-25-2	UG_L	2	U	
8260C	BROMOMETHANE	74-83-9	UG_L	4	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	2	U	
8260C	CHLOROETHANE	75-00-3	UG_L	4	U	
8260C	CHLOROFORM	67-66-3	UG_L	2	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	4	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.3	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	2	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	2	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	U	
8260C	METHYL ACETATE	79-20-9	UG_L	3	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	U	
8260C	O-XYLENE	95-47-6	UG_L	2	U	
8260C	STYRENE	100-42-5	UG_L	2	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2	U	
8260C	TOLUENE	108-88-3	UG_L	2	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	3200		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	4	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	14		

Notes:
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		RE122D3-GW-120617		
		Sample Date		12/6/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	4.2		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.17	U	

Notes:

UG_L = Micrograms per liter
NA = Not applicable
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RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1493		
		Sample Identification		TB01-WQ-120517		
		Sample Date		12/5/2017		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:

UG_L = Micrograms per liter
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1558		
		Sample Identification		FB01-WQ-120717		
		Sample Date		12/7/2017		
		Sample Type		Field Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.28	J	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.18	U	

Notes:

UG_L = Micrograms per liter
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1558		
		Sample Identification		RE126D1-GW-120717		
		Sample Date		12/7/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.79	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.4	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.38	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.38	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.93	J	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	85		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	9.1		

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1558		
		Sample Identification		RE126D2-GW-120717		
		Sample Date		12/7/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.49	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.1		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.35	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.5		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.2		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.7	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.46	J	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.51	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.7		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.56	J	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	450		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	8.2		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1558		
		Sample Identification		RE126D3-GW-120717		
		Sample Date		12/7/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.7	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.37	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.4		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	4.3		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	2.5		

Notes:
UG_L = Micrograms per liter
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1558		
		Sample Identification		RE131D1-GW-120717		
		Sample Date		12/7/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.8		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.72	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4.6		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	2.4		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	4.6		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	10		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	140		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	16		

Notes:
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1558		
		Sample Identification		RE131D2-GW-120717		
		Sample Date		12/7/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	160		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2.3		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.46	J	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4.3		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.37	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	4.3		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	6.7		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	67		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	15		

Notes:
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1558		
		Sample Identification		RE131D3-GW-120717		
		Sample Date		12/7/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	140		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.5		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.47	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.47	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.2		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	9.5		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	2.8		

Notes:
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1558		
		Sample Identification		TB02-WQ-120717		
		Sample Date		12/7/2017		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:

UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		DUP02-WQ-121117		
		Sample Date		12/11/2017		
		Sample Type		Field Duplicate		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.42	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.1		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.86	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.6	J	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.86	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.4	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.6	J	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	66		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	8.5		

Notes:

UG_L = Micrograms per liter
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		RE109D1-GW-121117		
		Sample Date		12/11/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.83	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.65	J	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	26		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	8.4		

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		RE109D2-GW-121117		
		Sample Date		12/11/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.91	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.23	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.23	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	29		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	7.6		

Notes:
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		RE109D3-GW-121117		
		Sample Date		12/11/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.47	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.5		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.88	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.66	J	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.88	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.38	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.55	J	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	65		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	9.1		

Notes:
UG_L = Micrograms per liter
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RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		RE125D1-GW-121117		
		Sample Date		12/11/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	9		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.8		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2.2		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4.1		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.83	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	4.1		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.46	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	4.7		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	140		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	14		

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		RE125D2-GW-121117		
		Sample Date		12/11/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.47	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	17		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.73	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	6.1		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.7		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.44	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.7		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.53	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.1		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	200		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	17		

Notes:
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		RE125D3-GW-121117		
		Sample Date		12/11/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	35		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.7	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.35	J	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.34	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.7		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.26	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.7		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	150		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	4.6		

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		TB03-WQ-120817		
		Sample Date		12/8/2017		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		TT101D1-GW-120817		
		Sample Date		12/8/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.54	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	15		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.47	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.1		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	6.3		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.9	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.4		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.92	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.9		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1.2	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	170		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	12		

Notes:

UG_L = Micrograms per liter
NA = Not applicable
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RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		TT101D2-GW-120817		
		Sample Date		12/8/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.39	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	25		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.66	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.1		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	5.8		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.9	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.1		
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.97	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.9		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.4		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	840		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	4.8		

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1661		
		Sample Identification		TT101D-GW-120817		
		Sample Date		12/8/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	13		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.74	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	3		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.9		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.9		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1.8	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	66		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	8.5		

Notes:

UG_L = Micrograms per liter
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE103D1-GW-121317		
		Sample Date		12/13/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.29	J	s
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	5.6	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.54	J	s
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.87	J	s
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	5	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.7	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.6	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.7	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	4	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	720	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	19		

Notes:
UG_L = Micrograms per liter
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE103D2-GW-121317		
		Sample Date		12/13/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.36	J	s
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.56	J	s
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.53	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.66	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.31	J	s
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.72	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.66	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.64	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	530	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	1.9		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE103D3-GW-121317		
		Sample Date		12/13/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.58	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.51	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.58	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	390		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	1.1		

Notes:

UG_L = Micrograms per liter
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE117D1-GW-121317		
		Sample Date		12/13/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	13		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.18	U	

Notes:
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE117D2-GW-121317		
		Sample Date		12/13/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.17	U	

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE120D1-GW-121217		
		Sample Date		12/12/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.94	J	s
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	18	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.94	J	s
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.2	J	s
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	14	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.6	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.48	J	s
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.74	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.6	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.5	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	990	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	0.27	J	s
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	25		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE120D2-GW-121217		
		Sample Date		12/12/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.27	J	s
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	15	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.46	J	s
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.74	J	s
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	4.1	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.3	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.62	J	s
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.72	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.3	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.26	J	s
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	3.7	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	710	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	16		

Notes:

UG_L = Micrograms per liter
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE120D3-GW-121217		
		Sample Date		12/12/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.76	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	28		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.38		

Notes:

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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE123D1-GW-121217		
		Sample Date		12/12/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	8.4		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	6.2		

Notes:
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE123D2-GW-121217		
		Sample Date		12/12/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.3		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	2.1		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	1.1		

Notes:

UG_L = Micrograms per liter
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December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		RE123D3-GW-121217		
		Sample Date		12/12/2017		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.18	U	

Notes:

UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

December 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TK1751		
		Sample Identification		TB04-WQ-121217		
		Sample Date		12/12/2017		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Attachment A
Final Qualifier Codes and Explanations

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual quantitation limit necessary to accurately and precisely measure the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

Attachment B
Reason Codes and Explanations

Reason Code	Explanation
be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
bm	Missing Blank Information
bt	Trip blank contamination
c	Calibration issue
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
e	Ether interference
ej	Above calibration range; result estimated.
f	Presumed contamination from FB or ER.
fd	Field duplicate RPDs
h	Holding times
hs	Headspace greater than 6mm in all sample vials
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
it	Instrument Tune
k	Estimated Maximum Possible Concentrations (EMPC)
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs (matrix duplicate, MSD, LCSD)
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Deviation from the method
md	MS/MSD precision
nb	Negative laboratory blank contamination
p	Chemical preservation issue
p-h	Uncertainty near detection limit (< Reporting Limit), historical reason code applied.
pe	Post Extraction Spike
q	Quantitation issue
r	Dual column RPD
rt	SIM ions not within + 2 seconds
s	Surrogate recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
x	Low % solids
y	Serial dilution results
z	ICS results

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4608		
		Sample ID		DUP01-GW-060117		
		Sample Date		6/1/2017		
		Matrix		Field Duplicate		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.6		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.33	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.56	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.85	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.1	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.76	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.1		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.88	J	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	600		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	1.5		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4608		
		Sample ID		FB01-WQ-060117		
		Sample Date		6/1/2017		
		Matrix		Field Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.3	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.18	U	

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4608		
		Sample ID		RE103D1-GW-060117		
		Sample Date		6/1/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	8.2		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.75	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	3.8		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	U	
8260C	2-BUTANONE	78-93-3	UG_L	5	U	
8260C	2-HEXANONE	591-78-6	UG_L	5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	U	
8260C	ACETONE	67-64-1	UG_L	5	UJ	c
8260C	BENZENE	71-43-2	UG_L	1	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	U	
8260C	BROMOFORM	75-25-2	UG_L	1	U	
8260C	BROMOMETHANE	74-83-9	UG_L	2	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	1	U	
8260C	CHLOROETHANE	75-00-3	UG_L	2	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.65	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	2	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	1	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	1	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	U	
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	U	
8260C	O-XYLENE	95-47-6	UG_L	1	U	
8260C	STYRENE	100-42-5	UG_L	1	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	3.6		
8260C	TOLUENE	108-88-3	UG_L	1	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	910		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	14		

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4608		
		Sample ID		RE103D2-GW-060117		
		Sample Date		6/1/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.6		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.1	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	U	
8260C	2-BUTANONE	78-93-3	UG_L	5	U	
8260C	2-HEXANONE	591-78-6	UG_L	5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	U	
8260C	ACETONE	67-64-1	UG_L	5	UJ	c
8260C	BENZENE	71-43-2	UG_L	1	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	U	
8260C	BROMOFORM	75-25-2	UG_L	1	U	
8260C	BROMOMETHANE	74-83-9	UG_L	2	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	1	U	
8260C	CHLOROETHANE	75-00-3	UG_L	2	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.71	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	2	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.1	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	1	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	1	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	U	
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	U	
8260C	O-XYLENE	95-47-6	UG_L	1	U	
8260C	STYRENE	100-42-5	UG_L	1	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	U	
8260C	TOLUENE	108-88-3	UG_L	1	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	560		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	1.8		

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4608		
		Sample ID		RE103D3-GW-060117		
		Sample Date		6/1/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.5		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.68	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.77	J	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.59	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.68	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	400		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.71		

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4608		
		Sample ID		TB01-WQ-060117		
		Sample Date		6/1/2017		
		Matrix		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4608		
		Sample ID		TT101D1-GW-060117		
		Sample Date		6/1/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.6	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	17		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.62	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.1		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	5.6		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.1		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.81	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.1		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2.1		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	200		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	9.5		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
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RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4608		
		Sample ID		TT101D2-GW-060117		
		Sample Date		6/1/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.35	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	16		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.66	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	4.3		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.4		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.88	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.4		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.3		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	670		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	2.2		

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4608		
		Sample ID		TT101D-GW-060117		
		Sample Date		6/1/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.41	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	18		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.98	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	3.4		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.4		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.55	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.4		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2.5		
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	85		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	9.3		

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE104D1-GW-060517		
		Sample Date		6/5/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.4	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.59	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.73	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.73	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.2	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	77	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	9	J	s

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE104D2-GW-060517		
		Sample Date		6/5/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	5.6	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.94	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	5.6	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	15	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.44	J	s

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE104D3-GW-060517		
		Sample Date		6/5/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.17	U	

Notes:
UG_L = Micrograms per liter
NA = Not applicable
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RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE125D1-GW-060217		
		Sample Date		6/2/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	13	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.1	J	s
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2.9	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4.2	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.92	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	4.2	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.7	J	s,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	7.1	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	180	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	12	J	s

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE125D2-GW-060217		
		Sample Date		6/2/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	J	s
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	19	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.47	J	s
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	J	s
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	6.6	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.57	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	4	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.4	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	230	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	0.27	J	s
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	13	J	s

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE125D3-GW-060217		
		Sample Date		6/2/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	42		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.83	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.6	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.38	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.6		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.7		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	140		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	3.9		

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE126D1-GW-060517		
		Sample Date		6/5/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.85	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	43	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	7	J	s

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE131D1-GW-060217		
		Sample Date		6/2/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	4.7		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.55	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	5.1		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	11	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	2.8		
8260C	CHLOROMETHANE	74-87-3	UG_L	1.2	J	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	5.1		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.43	J	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	9.5		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	130		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	12		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE131D2-GW-060217		
		Sample Date		6/2/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	190	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.8	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.7	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.7	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	4.2	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	45	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	12	J	s

Notes:
UG_L = Micrograms per liter
NA = Not applicable
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		RE131D3-GW-060217		
		Sample Date		6/2/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	170	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.82	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.45	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.45	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.9	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	6.3	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	1.8	J	s

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4712		
		Sample ID		TB02-WQ-060517		
		Sample Date		6/5/2017		
		Matrix		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4750		
		Sample ID		DUP02-GW-060617		
		Sample Date		6/6/2017		
		Matrix		Field Duplicate		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.97	J	s
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	19	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.2	J	s
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.3	J	s
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	15	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.4	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.8	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.4	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.26	J	s,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.6	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	860		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	0.45	J	s
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	15		

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4750		
		Sample ID		FB02-WQ-060617		
		Sample Date		6/6/2017		
		Matrix		Field Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	4.5	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.18	U	

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4750		
		Sample ID		RE120D1-GW-060617		
		Sample Date		6/6/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	18		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.86	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.2		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	12		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.2	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	U	
8260C	2-BUTANONE	78-93-3	UG_L	5	U	
8260C	2-HEXANONE	591-78-6	UG_L	5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	U	
8260C	ACETONE	67-64-1	UG_L	5	UJ	c
8260C	BENZENE	71-43-2	UG_L	1	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	U	
8260C	BROMOFORM	75-25-2	UG_L	1	U	
8260C	BROMOMETHANE	74-83-9	UG_L	2	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	1	U	
8260C	CHLOROETHANE	75-00-3	UG_L	2	U	
8260C	CHLOROFORM	67-66-3	UG_L	1	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	2	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.2		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	1	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	1	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	U	
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	U	
8260C	O-XYLENE	95-47-6	UG_L	1	U	
8260C	STYRENE	100-42-5	UG_L	1	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	U	
8260C	TOLUENE	108-88-3	UG_L	1	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	870		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	20		

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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4750		
		Sample ID		RE120D2-GW-060617		
		Sample Date		6/6/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.28	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	16		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.53	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.79	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	4.4		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.1		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.67	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.1		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.32	J	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	3.2		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	640	J	e
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	12		

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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4750		
		Sample ID		RE120D3-GW-060617		
		Sample Date		6/6/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.86	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	37		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.32		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
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RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4750		
		Sample ID		RE122D1-GW-060617		
		Sample Date		6/6/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.5		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.82	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.8	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.8		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	450		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	8.9		

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4750		
		Sample ID		RE122D2-GW-060617		
		Sample Date		6/6/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	12		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.8	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	6.8		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	6.3	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	U	
8260C	2-BUTANONE	78-93-3	UG_L	10	U	
8260C	2-HEXANONE	591-78-6	UG_L	10	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	U	
8260C	ACETONE	67-64-1	UG_L	10	UJ	c
8260C	BENZENE	71-43-2	UG_L	2	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	U	
8260C	BROMOFORM	75-25-2	UG_L	2	U	
8260C	BROMOMETHANE	74-83-9	UG_L	4	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	2	U	
8260C	CHLOROETHANE	75-00-3	UG_L	4	U	
8260C	CHLOROFORM	67-66-3	UG_L	2.3	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	4	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	6.3		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	2	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	2	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	U	
8260C	METHYL ACETATE	79-20-9	UG_L	3	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	U	
8260C	O-XYLENE	95-47-6	UG_L	2	U	
8260C	STYRENE	100-42-5	UG_L	2	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2	U	
8260C	TOLUENE	108-88-3	UG_L	2	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	3000		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	4	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	11		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
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RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4750		
		Sample ID		RE122D3-GW-060617		
		Sample Date		6/6/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	6.7		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.17	U	

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4750		
		Sample ID		TB03-WQ-060617		
		Sample Date		6/6/2017		
		Matrix		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4810		
		Sample ID		RE105D1-GW-060717		
		Sample Date		6/7/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	6.2		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.2		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.4	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.4		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.77	J	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	86		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	9.5		

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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4810		
		Sample ID		RE105D2-GW-060717		
		Sample Date		6/7/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	18	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.4	J	s
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.7	J	s
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	8.2	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.7	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	U	
8260C	2-BUTANONE	78-93-3	UG_L	10	U	
8260C	2-HEXANONE	591-78-6	UG_L	10	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	45	J	s,c
8260C	ACETONE	67-64-1	UG_L	10	U	bl
8260C	BENZENE	71-43-2	UG_L	2	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	U	
8260C	BROMOFORM	75-25-2	UG_L	2	U	
8260C	BROMOMETHANE	74-83-9	UG_L	4	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2.2	J	s
8260C	CHLOROBENZENE	108-90-7	UG_L	2	U	
8260C	CHLOROETHANE	75-00-3	UG_L	4	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	2.1	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	4	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.7	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	2	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	2	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	UJ	c
8260C	METHYL ACETATE	79-20-9	UG_L	3	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	U	
8260C	O-XYLENE	95-47-6	UG_L	2	U	
8260C	STYRENE	100-42-5	UG_L	2	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.7	J	s
8260C	TOLUENE	108-88-3	UG_L	2	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1700	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	4	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	11		

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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4810		
		Sample ID		RE123D1-GW-060717		
		Sample Date		6/7/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	4.9		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	4.6		

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4810		
		Sample ID		RE123D2-GW-060717		
		Sample Date		6/7/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.8		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	1		

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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4810		
		Sample ID		RE123D3-GW-060717		
		Sample Date		6/7/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.17	U	

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4810		
		Sample ID		TB04-WQ-060717		
		Sample Date		6/7/2017		
		Matrix		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4902		
		Sample ID		RE108D1-GW-060817		
		Sample Date		6/8/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.57	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.27	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	c
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.27	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	c
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.5	J	s
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	38	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	6.4		

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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4902		
		Sample ID		RE108D2-GW-060817		
		Sample Date		6/8/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.9	J	s
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	4.2	J	s
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	6	J	s
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3.8	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	6.6	J	s
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	12	U	
8260C	2-HEXANONE	591-78-6	UG_L	12	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	12	UJ	c
8260C	ACETONE	67-64-1	UG_L	12	UJ	c
8260C	BENZENE	71-43-2	UG_L	2.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2.5	U	
8260C	BROMOFORM	75-25-2	UG_L	2.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	5	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	2.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.2	J	s
8260C	CHLOROBENZENE	108-90-7	UG_L	2.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	5	U	
8260C	CHLOROFORM	67-66-3	UG_L	3.8	J	s
8260C	CHLOROMETHANE	74-87-3	UG_L	5	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	6.6	J	s
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	2.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	5	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	2.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	5	UJ	c
8260C	METHYL ACETATE	79-20-9	UG_L	3.8	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	12	U	
8260C	O-XYLENE	95-47-6	UG_L	2.5	U	
8260C	STYRENE	100-42-5	UG_L	2.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.5	U	
8260C	TOLUENE	108-88-3	UG_L	2.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	3000	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	5	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	5	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	7.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	6.9		

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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4902		
		Sample ID		RE117D1-GW-060817		
		Sample Date		6/8/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	c
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	c
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	15	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.17	U	

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4902		
		Sample ID		RE117D2-GW-060817		
		Sample Date		6/8/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	c
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	c
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.17	U	

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4902		
		Sample ID		TB05-WQ-060817		
		Sample Date		6/8/2017		
		Matrix		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	c
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	c
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4970		
		Sample ID		RE126D2-GW-060917		
		Sample Date		6/9/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.58	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.99	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.52	J	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.4		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.3		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.9		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.59	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.9		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.66	J	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	480	J	s
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	7.4		

Notes:
UG_L = Micrograms per liter
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4970		
		Sample ID		RE126D3-GW-060917		
		Sample Date		6/9/2017		
		Matrix		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.42	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	2.5		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	0.94		

Notes:

UG_L = Micrograms per liter
NA = Not applicable
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June 2017
Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4970		
		Sample ID		TB06-WQ-060917		
		Sample Date		6/9/2017		
		Matrix		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	
8270D_SIM	1,4-DIOXANE	123-91-1	UG_L	NA		

Notes:
UG_L = Micrograms per liter
NA = Not applicable
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Attachment A
Final Qualifier Codes and Explanations

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual quantitation limit necessary to accurately and precisely measure the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

Attachment B
Reason Codes and Explanations

Reason Code	Explanation
be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
bm	Missing Blank Information
bt	Trip blank contamination
c	Calibration issue
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
e	Ether interference
ej	Above calibration range; result estimated.
f	Presumed contamination from FB or ER.
fd	Field duplicate RPDs
h	Holding times
hs	Headspace greater than 6mm in all sample vials
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
it	Instrument Tune
k	Estimated Maximum Possible Concentrations (EMPC)
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs (matrix duplicate, MSD, LCSD)
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Deviation from the method
md	MS/MSD precision
nb	Negative laboratory blank contamination
p	Chemical preservation issue
p-h	Uncertainty near detection limit (< Reporting Limit), historical reason code applied.
pe	Post Extraction Spike
q	Quantitation issue
r	Dual column RPD
rt	SIM ions not within + 2 seconds
s	Surrogate recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
x	Low % solids
y	Serial dilution results
z	ICS results

Report of Analysis

Client Sample ID: RE107D1
Lab Sample ID: JC56303-1
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 11/29/17
Date Received: 11/30/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E138860.D	1	12/05/17 16:16	JP	n/a	n/a	V2E6059
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	1.3	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE107D1		
Lab Sample ID:	JC56303-1	**Date Sampled:**	11/29/17
Matrix:	AQ - Ground Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	12.7	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	109%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE107D1		
Lab Sample ID:	JC56303-1	**Date Sampled:**	11/29/17
Matrix:	AQ - Ground Water	**Date Received:**	11/30/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M72942.D	1	12/12/17 12:02	KM	12/04/17 16:30	OP8345A	E3M3503
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	5.18	0.11	0.052	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		29-124%
321-60-8	2-Fluorobiphenyl	58%		23-122%
1718-51-0	Terphenyl-d14	70%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE107D2		
Lab Sample ID:	JC56303-2	**Date Sampled:**	11/29/17
Matrix:	AQ - Ground Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E138858.D	1	12/05/17 15:20	JP	n/a	n/a	V2E6059
Run #2	2E138859.D	10	12/05/17 15:48	JP	n/a	n/a	V2E6059

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	0.31	1.0	0.29	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	0.28	1.0	0.21	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	0.69	1.0	0.47	ug/l	J
156-59-2	cis-1,2-Dichloroethene	3.7	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	27.0	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	12.5	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE107D2		
Lab Sample ID:	JC56303-2	**Date Sampled:**	11/29/17
Matrix:	AQ - Ground Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	226 [b]	10	2.7	ug/l	D
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	108%	81-124%
2037-26-5	Toluene-D8	100%	99%	80-120%
460-00-4	4-Bromofluorobenzene	101%	102%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE107D2		
Lab Sample ID:	JC56303-2	**Date Sampled:**	11/29/17
Matrix:	AQ - Ground Water	**Date Received:**	11/30/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P45931.D	1	12/15/17 15:10	SB	12/04/17 16:30	OP8345A	E5P2220
Run #2	3M72943.D	1	12/12/17 13:06	KM	12/04/17 16:30	OP8345A	E3M3503

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2	950 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	7.21	1.1	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%	61%	29-124%
321-60-8	2-Fluorobiphenyl	66%	51%	23-122%
1718-51-0	Terphenyl-d14	67%	67%	22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB112917AR1		
Lab Sample ID:	JC56303-3	**Date Sampled:**	11/29/17
Matrix:	AQ - Field Blank Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E138901.D	1	12/06/17 12:03	JP	n/a	n/a	V2E6061
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB112917AR1		
Lab Sample ID:	JC56303-3	**Date Sampled:**	11/29/17
Matrix:	AQ - Field Blank Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		81-124%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB112917AR1		
Lab Sample ID:	JC56303-3	**Date Sampled:**	11/29/17
Matrix:	AQ - Field Blank Water	**Date Received:**	11/30/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M72944.D	1	12/12/17 17:20	KM	12/04/17 16:30	OP8345A	E3M3503
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		29-124%
321-60-8	2-Fluorobiphenyl	52%		23-122%
1718-51-0	Terphenyl-d14	70%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB112917DC1		
Lab Sample ID:	JC56303-4	**Date Sampled:**	11/29/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E138868.D	1	12/05/17 19:58	JP	n/a	n/a	V2E6059
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB112917DC1		
Lab Sample ID:	JC56303-4	**Date Sampled:**	11/29/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB112917PP1
Lab Sample ID: JC56303-5
Matrix: AQ - Trip Blank Water
Method: SW846 8260C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 11/29/17
Date Received: 11/30/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E138869.D	1	12/05/17 20:25	JP	n/a	n/a	V2E6059
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB112917PP1		
Lab Sample ID:	JC56303-5	**Date Sampled:**	11/29/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB112917PP1		
Lab Sample ID:	JC56303-6	**Date Sampled:**	11/29/17
Matrix:	AQ - Field Blank Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E138870.D	1	12/05/17 20:53	JP	n/a	n/a	V2E6059
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB112917PP1		
Lab Sample ID:	JC56303-6	**Date Sampled:**	11/29/17
Matrix:	AQ - Field Blank Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		81-124%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB112917PP1		
Lab Sample ID:	JC56303-6	**Date Sampled:**	11/29/17
Matrix:	AQ - Field Blank Water	**Date Received:**	11/30/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M72945.D	1	12/12/17 17:52	KM	12/04/17 16:30	OP8345A	E3M3503
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		29-124%
321-60-8	2-Fluorobiphenyl	54%		23-122%
1718-51-0	Terphenyl-d14	83%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE114D1
Lab Sample ID: JC56303-7
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 11/29/17
Date Received: 11/30/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E138902.D	1	12/06/17 12:30	JP	n/a	n/a	V2E6061
Run #2	2E138903.D	10	12/06/17 12:59	JP	n/a	n/a	V2E6061

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	2.7	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	2.5	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	1.2	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	0.26	1.0	0.20	ug/l	J
75-35-4	1,1-Dichloroethene	3.7	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.4	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	16.3	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.45	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	1.5	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE114D1		
Lab Sample ID:	JC56303-7	**Date Sampled:**	11/29/17
Matrix:	AQ - Ground Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	387 [b]	10	2.7	ug/l	D
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	107%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	110%	81-124%
2037-26-5	Toluene-D8	100%	100%	80-120%
460-00-4	4-Bromofluorobenzene	101%	104%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE114D1
Lab Sample ID: JC56303-7
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 11/29/17
Date Received: 11/30/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M72946.D	1	12/12/17 18:24	KM	12/04/17 16:30	OP8345A	E3M3503
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	3.13	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		29-124%
321-60-8	2-Fluorobiphenyl	68%		23-122%
1718-51-0	Terphenyl-d14	70%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	REP112917PP1		
Lab Sample ID:	JC56303-8	**Date Sampled:**	11/29/17
Matrix:	AQ - Ground Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E138904.D	1	12/06/17 13:27	JP	n/a	n/a	V2E6061
Run #2	2E138905.D	10	12/06/17 13:55	JP	n/a	n/a	V2E6061

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	2.6	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	2.6	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	1.3	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	0.26	1.0	0.20	ug/l	J
75-35-4	1,1-Dichloroethene	3.6	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.3	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	16.1	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.48	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	1.4	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	REP112917PP1		
Lab Sample ID:	JC56303-8	**Date Sampled:**	11/29/17
Matrix:	AQ - Ground Water	**Date Received:**	11/30/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	397 [b]	10	2.7	ug/l	D
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	109%	108%	81-124%
2037-26-5	Toluene-D8	100%	101%	80-120%
460-00-4	4-Bromofluorobenzene	103%	103%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	REP112917PP1		
Lab Sample ID:	JC56303-8	**Date Sampled:**	11/29/17
Matrix:	AQ - Ground Water	**Date Received:**	11/30/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M72947.D	1	12/12/17 18:56	KM	12/04/17 16:30	OP8345A	E3M3503
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	2.42	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%		29-124%
321-60-8	2-Fluorobiphenyl	49%		23-122%
1718-51-0	Terphenyl-d14	69%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE115D1		
Lab Sample ID:	JC56400-1	**Date Sampled:**	11/30/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156446.D	1	12/07/17 20:40	EH	n/a	n/a	V2B6958
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	0.46	1.0	0.34	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	2.5	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	2.1	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.1	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	2.9	5.0	1.2	ug/l	J
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.53	1.0	0.24	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE115D1		
Lab Sample ID:	JC56400-1	**Date Sampled:**	11/30/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	59.3	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		80-120%
17060-07-0	1,2-Dichloroethane-D4	114%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE115D1		
Lab Sample ID:	JC56400-1	**Date Sampled:**	11/30/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73079.D	1	12/19/17 12:04	KM	12/05/17 16:15	OP8420A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	3.33	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		29-124%
321-60-8	2-Fluorobiphenyl	75%		23-122%
1718-51-0	Terphenyl-d14	92%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE115D2		
Lab Sample ID:	JC56400-2	**Date Sampled:**	11/30/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156447.D	1	12/07/17 21:11	EH	n/a	n/a	V2B6958
Run #2 [a]	2B156473.D	10	12/08/17 11:13	EH	n/a	n/a	V2B6960

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	1.7	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	0.94	1.0	0.29	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	1.1	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	8.9	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.4	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	20.4	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.81	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	0.72	1.0	0.24	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE115D2		
Lab Sample ID:	JC56400-2	**Date Sampled:**	11/30/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	206 [c]	10	2.7	ug/l	D
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%	106%	80-120%
17060-07-0	1,2-Dichloroethane-D4	113%	106%	81-124%
2037-26-5	Toluene-D8	103%	103%	80-120%
460-00-4	4-Bromofluorobenzene	102%	104%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Sample analyzed with head-space vial.
(b) Associated CCV outside of control limits low.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE115D2
Lab Sample ID: JC56400-2
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 11/30/17
Date Received: 12/01/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73080.D	1	12/19/17 12:36	KM	12/05/17 16:15	OP8420A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	2.65	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		29-124%
321-60-8	2-Fluorobiphenyl	75%		23-122%
1718-51-0	Terphenyl-d14	76%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB113017DC1		
Lab Sample ID:	JC56400-3	**Date Sampled:**	11/30/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156441.D	1	12/07/17 18:02	EH	n/a	n/a	V2B6958
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB113017DC1		
Lab Sample ID:	JC56400-3	**Date Sampled:**	11/30/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB113017DC1		
Lab Sample ID:	JC56400-4	**Date Sampled:**	11/30/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156442.D	1	12/07/17 18:34	EH	n/a	n/a	V2B6958
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB113017DC1		
Lab Sample ID:	JC56400-4	**Date Sampled:**	11/30/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		80-120%
17060-07-0	1,2-Dichloroethane-D4	112%		81-124%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB113017DC1		
Lab Sample ID:	JC56400-4	**Date Sampled:**	11/30/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73030.D	1	12/15/17 19:06	KM	12/05/17 16:15	OP8420A	E3M3506
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.10	0.050	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	99%		29-124%
321-60-8	2-Fluorobiphenyl	77%		23-122%
1718-51-0	Terphenyl-d14	89%		22-130%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE107D3		
Lab Sample ID:	JC56394-1	**Date Sampled:**	12/01/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D254235.D	1	12/06/17 17:41	TDN	n/a	n/a	VD10251
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	3.2	5.0	1.2	ug/l	J
591-78-6	2-Hexanone [a]	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE107D3		
Lab Sample ID:	JC56394-1	**Date Sampled:**	12/01/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	114%		81-124%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	107%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.80	37	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE107D3		
Lab Sample ID:	JC56394-1	**Date Sampled:**	12/01/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73035.D	1	12/15/17 22:47	KM	12/05/17 16:15	OP8420A	E3M3506
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.10	0.049	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	94%		29-124%
321-60-8	2-Fluorobiphenyl	83%		23-122%
1718-51-0	Terphenyl-d14	97%		22-130%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120117DC1		
Lab Sample ID:	JC56394-2	**Date Sampled:**	12/01/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D254234.D	1	12/06/17 17:11	TDN	n/a	n/a	VD10251
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120117DC1		
Lab Sample ID:	JC56394-2	**Date Sampled:**	12/01/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		81-124%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	110%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.79	33	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB120117DC1
Lab Sample ID: JC56394-2
Matrix: AQ - Field Blank Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/01/17
Date Received: 12/01/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73199.D	1	12/28/17 12:17	NAP	12/05/17 16:15	OP8420A	E3M3513
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		29-124%
321-60-8	2-Fluorobiphenyl	70%		23-122%
1718-51-0	Terphenyl-d14	83%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120117AR1		
Lab Sample ID:	JC56394-3	**Date Sampled:**	12/01/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D254233.D	1	12/06/17 16:40	TDN	n/a	n/a	VD10251
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120117AR1		
Lab Sample ID:	JC56394-3	**Date Sampled:**	12/01/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	114%		81-124%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	108%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.80	91	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE106D1		
Lab Sample ID:	JC56402-1	**Date Sampled:**	11/30/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156445.D	1	12/07/17 20:08	EH	n/a	n/a	V2B6958
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	0.79	1.0	0.50	ug/l	J
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE106D1		
Lab Sample ID:	JC56402-1	**Date Sampled:**	11/30/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	7.4	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		80-120%
17060-07-0	1,2-Dichloroethane-D4	114%		81-124%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE106D1		
Lab Sample ID:	JC56402-1	**Date Sampled:**	11/30/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P119434.D	1	12/19/17 17:18	RL	12/05/17 16:15	OP8420A	EP5352
Run #2	3M73033.D	1	12/15/17 21:44	KM	12/05/17 16:15	OP8420A	E3M3506

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	5.53	1.0	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%	93%	29-124%
321-60-8	2-Fluorobiphenyl	80%	79%	23-122%
1718-51-0	Terphenyl-d14	72%	84%	22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB113017PP1		
Lab Sample ID:	JC56402-2	**Date Sampled:**	11/30/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156443.D	1	12/07/17 19:05	EH	n/a	n/a	V2B6958
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB113017PP1		
Lab Sample ID:	JC56402-2	**Date Sampled:**	11/30/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		80-120%
17060-07-0	1,2-Dichloroethane-D4	112%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB113017PP1		
Lab Sample ID:	JC56402-2	**Date Sampled:**	11/30/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73034.D	1	12/15/17 22:16	KM	12/05/17 16:15	OP8420A	E3M3506
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.10	0.050	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	93%		29-124%
321-60-8	2-Fluorobiphenyl	78%		23-122%
1718-51-0	Terphenyl-d14	103%		22-130%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB113017PP1		
Lab Sample ID:	JC56402-3	**Date Sampled:**	11/30/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156444.D	1	12/07/17 19:37	EH	n/a	n/a	V2B6958
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB113017PP1		
Lab Sample ID:	JC56402-3	**Date Sampled:**	11/30/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		80-120%
17060-07-0	1,2-Dichloroethane-D4	114%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE130D2		
Lab Sample ID:	JC56403-1	**Date Sampled:**	12/01/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156450.D	1	12/07/17 22:46	EH	n/a	n/a	V2B6958
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE130D2		
Lab Sample ID:	JC56403-1	**Date Sampled:**	12/01/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	120%		80-120%
17060-07-0	1,2-Dichloroethane-D4	115%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE130D2
Lab Sample ID: JC56403-1
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/01/17
Date Received: 12/01/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73060.D	1	12/18/17 13:56	KM	12/05/17 16:15	OP8420A	E3M3507
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		29-124%
321-60-8	2-Fluorobiphenyl	81%		23-122%
1718-51-0	Terphenyl-d14	101%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE130D1		
Lab Sample ID:	JC56403-2	**Date Sampled:**	12/01/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156477.D	1	12/08/17 13:19	EH	n/a	n/a	V2B6960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE130D1		
Lab Sample ID:	JC56403-2	**Date Sampled:**	12/01/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	111%		81-124%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	107%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE130D1		
Lab Sample ID:	JC56403-2	**Date Sampled:**	12/01/17
Matrix:	AQ - Ground Water	**Date Received:**	12/01/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73038.D	1	12/16/17 00:21	KM	12/05/17 16:15	OP8420A	E3M3506
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.10	0.049	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		29-124%
321-60-8	2-Fluorobiphenyl	83%		23-122%
1718-51-0	Terphenyl-d14	94%		22-130%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120117PP1		
Lab Sample ID:	JC56403-3	**Date Sampled:**	12/01/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156448.D	1	12/07/17 21:43	EH	n/a	n/a	V2B6958
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120117PP1		
Lab Sample ID:	JC56403-3	**Date Sampled:**	12/01/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	119%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		81-124%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120117PP1		
Lab Sample ID:	JC56403-3	**Date Sampled:**	12/01/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/01/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73061.D	1	12/18/17 14:28	KM	12/05/17 16:15	OP8420A	E3M3507
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		29-124%
321-60-8	2-Fluorobiphenyl	66%		23-122%
1718-51-0	Terphenyl-d14	99%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120117PP1		
Lab Sample ID:	JC56403-4	**Date Sampled:**	12/01/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156476.D	1	12/08/17 12:48	EH	n/a	n/a	V2B6960
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120117PP1		
Lab Sample ID:	JC56403-4	**Date Sampled:**	12/01/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/01/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		81-124%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	108%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE127D1		
Lab Sample ID:	JC56628-1	**Date Sampled:**	12/04/17
Matrix:	AQ - Ground Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A183611.D	1	12/08/17 14:21	HT	n/a	n/a	V2A7757
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane [b]	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE127D1		
Lab Sample ID:	JC56628-1	**Date Sampled:**	12/04/17
Matrix:	AQ - Ground Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		81-124%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE127D1		
Lab Sample ID:	JC56628-1	**Date Sampled:**	12/04/17
Matrix:	AQ - Ground Water	**Date Received:**	12/05/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73092.D	1	12/19/17 20:05	KM	12/08/17 18:45	OP8489A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		29-124%
321-60-8	2-Fluorobiphenyl	78%		23-122%
1718-51-0	Terphenyl-d14	92%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE127D2		
Lab Sample ID:	JC56628-2	**Date Sampled:**	12/04/17
Matrix:	AQ - Ground Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A183612.D	1	12/08/17 14:50	HT	n/a	n/a	V2A7757
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane [b]	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE127D2		
Lab Sample ID:	JC56628-2	**Date Sampled:**	12/04/17
Matrix:	AQ - Ground Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	104%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE127D2		
Lab Sample ID:	JC56628-2	**Date Sampled:**	12/04/17
Matrix:	AQ - Ground Water	**Date Received:**	12/05/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73093.D	1	12/19/17 20:37	KM	12/08/17 18:45	OP8489A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		29-124%
321-60-8	2-Fluorobiphenyl	63%		23-122%
1718-51-0	Terphenyl-d14	79%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120417DC1		
Lab Sample ID:	JC56628-3	**Date Sampled:**	12/04/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A183613.D	1	12/08/17 15:19	HT	n/a	n/a	V2A7757
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane [b]	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120417DC1		
Lab Sample ID:	JC56628-3	**Date Sampled:**	12/04/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	103%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB120417DC1
Lab Sample ID: JC56628-3
Matrix: AQ - Field Blank Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/04/17
Date Received: 12/05/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73094.D	1	12/19/17 21:09	KM	12/08/17 18:45	OP8489A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.052	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		29-124%
321-60-8	2-Fluorobiphenyl	74%		23-122%
1718-51-0	Terphenyl-d14	94%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120417AR1		
Lab Sample ID:	JC56628-4	**Date Sampled:**	12/04/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A183614.D	1	12/08/17 15:48	HT	n/a	n/a	V2A7757
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane [b]	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120417AR1		
Lab Sample ID:	JC56628-4	**Date Sampled:**	12/04/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	104%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE118D1		
Lab Sample ID:	JC56636-1	**Date Sampled:**	12/04/17
Matrix:	AQ - Ground Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A183644.D	1	12/11/17 16:14	HT	n/a	n/a	V2A7759
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE118D1		
Lab Sample ID:	JC56636-1	**Date Sampled:**	12/04/17
Matrix:	AQ - Ground Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE118D1		
Lab Sample ID:	JC56636-1	**Date Sampled:**	12/04/17
Matrix:	AQ - Ground Water	**Date Received:**	12/05/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73095.D	1	12/19/17 21:42	KM	12/08/17 18:45	OP8489A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		29-124%
321-60-8	2-Fluorobiphenyl	72%		23-122%
1718-51-0	Terphenyl-d14	74%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120417PP1		
Lab Sample ID:	JC56636-2	**Date Sampled:**	12/04/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A183622.D	1	12/08/17 19:40	HT	n/a	n/a	V2A7757
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane [b]	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120417PP1		
Lab Sample ID:	JC56636-2	**Date Sampled:**	12/04/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	104%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120417PP1		
Lab Sample ID:	JC56636-2	**Date Sampled:**	12/04/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/05/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73096.D	1	12/19/17 22:14	KM	12/08/17 18:45	OP8489A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		29-124%
321-60-8	2-Fluorobiphenyl	76%		23-122%
1718-51-0	Terphenyl-d14	99%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120417PP1		
Lab Sample ID:	JC56636-3	**Date Sampled:**	12/04/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A183645.D	1	12/11/17 16:42	HT	n/a	n/a	V2A7759
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120417PP1		
Lab Sample ID:	JC56636-3	**Date Sampled:**	12/04/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/05/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE121D2		
Lab Sample ID:	JC56748-1	**Date Sampled:**	12/05/17
Matrix:	AQ - Ground Water	**Date Received:**	12/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A176793.D	5	12/10/17 00:00	GA	n/a	n/a	V1A7508
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	50	25	ug/l	
71-43-2	Benzene	ND	2.5	0.87	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.1	ug/l	
75-25-2	Bromoform	ND	5.0	2.1	ug/l	
74-83-9	Bromomethane	ND	10	6.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	24	ug/l	
75-15-0	Carbon disulfide	ND	10	2.5	ug/l	
56-23-5	Carbon tetrachloride	3.9	5.0	1.7	ug/l	J
108-90-7	Chlorobenzene	ND	5.0	1.2	ug/l	
75-00-3	Chloroethane	ND	5.0	3.0	ug/l	
67-66-3	Chloroform	1.9	5.0	1.4	ug/l	J
74-87-3	Chloromethane	ND	5.0	2.7	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	0.82	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/l	
75-35-4	1,1-Dichloroethene	2.7	5.0	2.4	ug/l	J
156-59-2	cis-1,2-Dichloroethene	2.9	5.0	2.5	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	5.0	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.2	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.1	ug/l	
76-13-1	Freon 113	15.9	25	6.2	ug/l	J
591-78-6	2-Hexanone [a]	ND	25	16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	15	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	1.2	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.84	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.5	ug/l	
108-88-3	Toluene	ND	5.0	1.2	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.3	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.2	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE121D2		
Lab Sample ID:	JC56748-1	**Date Sampled:**	12/05/17
Matrix:	AQ - Ground Water	**Date Received:**	12/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	754	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	5.0	3.1	ug/l	
	m,p-Xylene	ND	5.0	2.1	ug/l	
95-47-6	o-Xylene	ND	5.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	91%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE121D2
Lab Sample ID: JC56748-1
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/05/17
Date Received: 12/06/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73083.D	1	12/19/17 14:13	KM	12/11/17 21:00	OP8570A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	3.03	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%		29-124%
321-60-8	2-Fluorobiphenyl	66%		23-122%
1718-51-0	Terphenyl-d14	82%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120517PP1		
Lab Sample ID:	JC56748-2	**Date Sampled:**	12/05/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A176794.D	1	12/10/17 00:29	GA	n/a	n/a	V1A7508
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120517PP1		
Lab Sample ID:	JC56748-2	**Date Sampled:**	12/05/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		81-124%
2037-26-5	Toluene-D8	91%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120517PP1		
Lab Sample ID:	JC56748-2	**Date Sampled:**	12/05/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/06/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73081.D	1	12/19/17 13:08	KM	12/11/17 21:00	OP8570A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		29-124%
321-60-8	2-Fluorobiphenyl	61%		23-122%
1718-51-0	Terphenyl-d14	89%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120517PP1		
Lab Sample ID:	JC56748-3	**Date Sampled:**	12/05/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A176795.D	1	12/10/17 00:59	GA	n/a	n/a	V1A7508
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120517PP1		
Lab Sample ID:	JC56748-3	**Date Sampled:**	12/05/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		81-124%
2037-26-5	Toluene-D8	90%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE121D1		
Lab Sample ID:	JC56748-4	**Date Sampled:**	12/05/17
Matrix:	AQ - Ground Water	**Date Received:**	12/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A176796.D	1	12/10/17 01:29	GA	n/a	n/a	V1A7508
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	0.41	1.0	0.34	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	0.37	1.0	0.29	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	0.23	1.0	0.21	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	1.7	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.1	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	7.9	5.0	1.2	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.35	1.0	0.25	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE121D1		
Lab Sample ID:	JC56748-4	**Date Sampled:**	12/05/17
Matrix:	AQ - Ground Water	**Date Received:**	12/06/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	33.8	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	91%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE121D1		
Lab Sample ID:	JC56748-4	**Date Sampled:**	12/05/17
Matrix:	AQ - Ground Water	**Date Received:**	12/06/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73082.D	1	12/19/17 13:40	KM	12/11/17 21:00	OP8570A	E3M3508
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	4.98	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		29-124%
321-60-8	2-Fluorobiphenyl	72%		23-122%
1718-51-0	Terphenyl-d14	87%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-102D2		
Lab Sample ID:	JC57025-1	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D84428.D	1	12/12/17 12:44	BK	n/a	n/a	V4D3641
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-102D2		
Lab Sample ID:	JC57025-1	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-102D2
Lab Sample ID: JC57025-1
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/07/17
Date Received: 12/08/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73150.D	1	12/26/17 12:51	NAP	12/14/17 09:30	OP8647A	E3M3511
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		29-124%
321-60-8	2-Fluorobiphenyl	54%		23-122%
1718-51-0	Terphenyl-d14	78%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120717PP1		
Lab Sample ID:	JC57025-2	**Date Sampled:**	12/07/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/08/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D84429.D	1	12/12/17 13:16	BK	n/a	n/a	V4D3641
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120717PP1		
Lab Sample ID:	JC57025-2	**Date Sampled:**	12/07/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/08/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	98%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-102D		
Lab Sample ID:	JC57025-3	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D84430.D	1	12/12/17 13:48	BK	n/a	n/a	V4D3641
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-102D		
Lab Sample ID:	JC57025-3	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-102D
Lab Sample ID: JC57025-3
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/07/17
Date Received: 12/08/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73151.D	1	12/26/17 13:23	NAP	12/14/17 09:30	OP8647A	E3M3511
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.122	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		29-124%
321-60-8	2-Fluorobiphenyl	50%		23-122%
1718-51-0	Terphenyl-d14	74%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE128D1		
Lab Sample ID:	JC57026-1	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78067.D	1	12/21/17 12:55	HT	n/a	n/a	V4B3203
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE128D1		
Lab Sample ID:	JC57026-1	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE128D1		
Lab Sample ID:	JC57026-1	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73141.D	1	12/22/17 20:05	KM	12/14/17 09:30	OP8647A	E3M3510
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.10	0.049	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		29-124%
321-60-8	2-Fluorobiphenyl	68%		23-122%
1718-51-0	Terphenyl-d14	70%		22-130%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE128D2		
Lab Sample ID:	JC57026-2	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78068.D	1	12/21/17 13:23	HT	n/a	n/a	V4B3203
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE128D2		
Lab Sample ID:	JC57026-2	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		81-124%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE128D2		
Lab Sample ID:	JC57026-2	**Date Sampled:**	12/07/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73142.D	1	12/22/17 20:37	KM	12/14/17 09:30	OP8647A	E3M3510
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.10	0.049	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		29-124%
321-60-8	2-Fluorobiphenyl	63%		23-122%
1718-51-0	Terphenyl-d14	77%		22-130%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120717AD1		
Lab Sample ID:	JC57026-3	**Date Sampled:**	12/07/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A238857.D	1	12/15/17 19:34	GA	n/a	n/a	VA9072
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120717AD1		
Lab Sample ID:	JC57026-3	**Date Sampled:**	12/07/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		81-124%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120717AD1		
Lab Sample ID:	JC57026-3	**Date Sampled:**	12/07/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/08/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73143.D	1	12/22/17 21:09	KM	12/14/17 09:30	OP8647A	E3M3510
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.11	0.051	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		29-124%
321-60-8	2-Fluorobiphenyl	63%		23-122%
1718-51-0	Terphenyl-d14	89%		22-130%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120717AD1		
Lab Sample ID:	JC57026-4	**Date Sampled:**	12/07/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A238858.D	1	12/15/17 20:03	GA	n/a	n/a	VA9072
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120717AD1		
Lab Sample ID:	JC57026-4	**Date Sampled:**	12/07/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		81-124%
2037-26-5	Toluene-D8	107%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE119D1		
Lab Sample ID:	JC57027-1	**Date Sampled:**	12/08/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A177091.D	1	12/19/17 21:08	GA	n/a	n/a	V1A7521
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE119D1		
Lab Sample ID:	JC57027-1	**Date Sampled:**	12/08/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		81-124%
2037-26-5	Toluene-D8	90%		80-120%
460-00-4	4-Bromofluorobenzene	93%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE119D1		
Lab Sample ID:	JC57027-1	**Date Sampled:**	12/08/17
Matrix:	AQ - Ground Water	**Date Received:**	12/08/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M74638.D	1	12/26/17 13:21	NAP	12/14/17 13:50	OP8652A	E4M3497
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.10	0.049	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		29-124%
321-60-8	2-Fluorobiphenyl	71%		23-122%
1718-51-0	Terphenyl-d14	64%		22-130%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120817PP1		
Lab Sample ID:	JC57027-2	**Date Sampled:**	12/08/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A238859.D	1	12/15/17 20:32	GA	n/a	n/a	VA9072
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.42	ug/l	J
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB120817PP1		
Lab Sample ID:	JC57027-2	**Date Sampled:**	12/08/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		81-124%
2037-26-5	Toluene-D8	106%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120817PP1		
Lab Sample ID:	JC57027-3	**Date Sampled:**	12/08/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78066.D	1	12/21/17 12:27	HT	n/a	n/a	V4B3203
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120817PP1		
Lab Sample ID:	JC57027-3	**Date Sampled:**	12/08/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		81-124%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120817PP1		
Lab Sample ID:	JC57027-3	**Date Sampled:**	12/08/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/08/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M74648.D	1	12/26/17 19:43	NAP	12/14/17 13:50	OP8652A	E4M3497
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	ND	0.10	0.049	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		29-124%
321-60-8	2-Fluorobiphenyl	70%		23-122%
1718-51-0	Terphenyl-d14	85%		22-130%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE129D1		
Lab Sample ID:	JC57176-1	**Date Sampled:**	12/11/17
Matrix:	AQ - Ground Water	**Date Received:**	12/12/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78035.D	1	12/20/17 21:28	HT	n/a	n/a	V4B3201
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE129D1		
Lab Sample ID:	JC57176-1	**Date Sampled:**	12/11/17
Matrix:	AQ - Ground Water	**Date Received:**	12/12/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE129D1
Lab Sample ID: JC57176-1
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/11/17
Date Received: 12/12/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73180.D	1	12/27/17 15:25	NAP	12/15/17 00:35	OP8684	E3M3512
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		29-124%
321-60-8	2-Fluorobiphenyl	55%		23-122%
1718-51-0	Terphenyl-d14	77%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE129D2		
Lab Sample ID:	JC57176-2	**Date Sampled:**	12/11/17
Matrix:	AQ - Ground Water	**Date Received:**	12/12/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78036.D	1	12/20/17 21:57	HT	n/a	n/a	V4B3201
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE129D2		
Lab Sample ID:	JC57176-2	**Date Sampled:**	12/11/17
Matrix:	AQ - Ground Water	**Date Received:**	12/12/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		81-124%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE129D2
Lab Sample ID: JC57176-2
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/11/17
Date Received: 12/12/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73181.D	1	12/27/17 15:57	NAP	12/15/17 00:35	OP8684	E3M3512
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		29-124%
321-60-8	2-Fluorobiphenyl	61%		23-122%
1718-51-0	Terphenyl-d14	79%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB121117AR1		
Lab Sample ID:	JC57176-3	**Date Sampled:**	12/11/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/12/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78037.D	1	12/20/17 22:25	HT	n/a	n/a	V4B3201
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB121117AR1		
Lab Sample ID:	JC57176-3	**Date Sampled:**	12/11/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/12/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB121117AR1		
Lab Sample ID:	JC57176-3	**Date Sampled:**	12/11/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/12/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73182.D	1	12/27/17 16:28	NAP	12/15/17 00:35	OP8684	E3M3512
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		29-124%
321-60-8	2-Fluorobiphenyl	54%		23-122%
1718-51-0	Terphenyl-d14	92%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121117AD1		
Lab Sample ID:	JC57176-4	**Date Sampled:**	12/11/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/12/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78038.D	1	12/20/17 22:53	HT	n/a	n/a	V4B3201
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121117AD1		
Lab Sample ID:	JC57176-4	**Date Sampled:**	12/11/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/12/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		81-124%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	104%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 5-5		
Lab Sample ID:	JC57177-1	**Date Sampled:**	12/11/17
Matrix:	AQ - Ground Water	**Date Received:**	12/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B113042.D	1	12/15/17 19:06	BK	n/a	n/a	V1B5400
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform [b]	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 5-5		
Lab Sample ID:	JC57177-1	**Date Sampled:**	12/11/17
Matrix:	AQ - Ground Water	**Date Received:**	12/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	89%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 5-6		
Lab Sample ID:	JC57177-2	**Date Sampled:**	12/11/17
Matrix:	AQ - Ground Water	**Date Received:**	12/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B113043.D	1	12/15/17 19:38	BK	n/a	n/a	V1B5400
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform [b]	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 5-6		
Lab Sample ID:	JC57177-2	**Date Sampled:**	12/11/17
Matrix:	AQ - Ground Water	**Date Received:**	12/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	87%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121117PP1		
Lab Sample ID:	JC57177-3	**Date Sampled:**	12/11/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B113044.D	1	12/15/17 20:10	BK	n/a	n/a	V1B5400
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform [b]	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121117PP1		
Lab Sample ID:	JC57177-3	**Date Sampled:**	12/11/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	84%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC57177X**	**Date Collected:**	**12/11/2017 15:50**	**Matrix:**	**WATER**
Lab Sample ID:	**440061001**	**Date Received:**	**12/14/2017 08:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW5-5**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1728612**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**01/02/2018 21:30**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**01/02/2018 08:40**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s010218.B\s6a0211.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane		1.41	ug/L	0.100	0.100	0.200

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC57177X**	**Date Collected:**	**12/11/2017 15:40**	**Matrix:**	**WATER**
Lab Sample ID:	**440061002**	**Date Received:**	**12/14/2017 08:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW5-6**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1728612**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**01/02/2018 22:22**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**01/02/2018 08:40**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s010218.B\s6a0213.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	J	0.118	ug/L	0.100	0.100	0.200

Report of Analysis

Client Sample ID:	RE133D1		
Lab Sample ID:	JC57298-1	**Date Sampled:**	12/12/17
Matrix:	AQ - Ground Water	**Date Received:**	12/13/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78119.D	1	12/22/17 15:04	HT	n/a	n/a	V4B3205
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE133D1		
Lab Sample ID:	JC57298-1	**Date Sampled:**	12/12/17
Matrix:	AQ - Ground Water	**Date Received:**	12/13/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	103%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE133D1
Lab Sample ID: JC57298-1
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/12/17
Date Received: 12/13/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P64626.D	1	01/12/18 15:07	RK	12/16/17 17:00	OP8726A	E3P3058
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	54%		29-124%
321-60-8	2-Fluorobiphenyl	55%		23-122%
1718-51-0	Terphenyl-d14	50%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE133D2		
Lab Sample ID:	JC57298-2	**Date Sampled:**	12/12/17
Matrix:	AQ - Ground Water	**Date Received:**	12/13/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78120.D	1	12/22/17 15:32	HT	n/a	n/a	V4B3205
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE133D2		
Lab Sample ID:	JC57298-2	**Date Sampled:**	12/12/17
Matrix:	AQ - Ground Water	**Date Received:**	12/13/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	104%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE133D2
Lab Sample ID: JC57298-2
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/12/17
Date Received: 12/13/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P64627.D	1	01/12/18 15:39	RK	12/16/17 17:00	OP8726A	E3P3058
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		29-124%
321-60-8	2-Fluorobiphenyl	60%		23-122%
1718-51-0	Terphenyl-d14	53%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB121217JC1		
Lab Sample ID:	JC57298-3	**Date Sampled:**	12/12/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/13/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78121.D	1	12/22/17 16:00	HT	n/a	n/a	V4B3205
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB121217JC1		
Lab Sample ID:	JC57298-3	**Date Sampled:**	12/12/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/13/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		81-124%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	104%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB121217JC1		
Lab Sample ID:	JC57298-3	**Date Sampled:**	12/12/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/13/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P64625.D	1	01/12/18 14:34	RK	12/16/17 17:00	OP8726A	E3P3058
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		29-124%
321-60-8	2-Fluorobiphenyl	60%		23-122%
1718-51-0	Terphenyl-d14	53%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121217AR1		
Lab Sample ID:	JC57298-4	**Date Sampled:**	12/12/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/13/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B78125.D	1	12/22/17 17:51	HT	n/a	n/a	V4B3205
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121217AR1		
Lab Sample ID:	JC57298-4	**Date Sampled:**	12/12/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/13/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		81-124%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	103%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE124D1
Lab Sample ID: JC57500-1
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/14/17
Date Received: 12/15/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A177342.D	1	12/27/17 15:41	GA	n/a	n/a	V1A7532
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	0.34	1.0	0.34	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	1.1	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	61.0	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	0.59	1.0	0.50	ug/l	J
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE124D1		
Lab Sample ID:	JC57500-1	**Date Sampled:**	12/14/17
Matrix:	AQ - Ground Water	**Date Received:**	12/15/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	3.9	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		81-124%
2037-26-5	Toluene-D8	92%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE124D1		
Lab Sample ID:	JC57500-1	**Date Sampled:**	12/14/17
Matrix:	AQ - Ground Water	**Date Received:**	12/15/17
Method:	SW846 8270D BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P64658.D	1	01/14/18 06:52	SB	12/20/17 06:45	OP8766	E3P3059
Run #2 [b]	4P25130.D	1	01/18/18 13:06	SB	01/10/18 10:00	OP9189A	E4P1404

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2	1000 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [a]	~~ND~~	~~0.10~~	~~0.050~~	~~ug/l~~	R

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [c]	61%	29-124%
321-60-8	2-Fluorobiphenyl	0% [c]	54%	23-122%
1718-51-0	Terphenyl-d14	2% [c]	61%	22-130%

(a) Surrogate recovery indicates possible low bias. Sample reextracted outside holding time.
(b) Confirmation run.
(c) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE124D2		
Lab Sample ID:	JC57500-2	**Date Sampled:**	12/14/17
Matrix:	AQ - Ground Water	**Date Received:**	12/15/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A177315.D	1	12/27/17 01:10	GA	n/a	n/a	V1A7531
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RE124D2		
Lab Sample ID:	JC57500-2	**Date Sampled:**	12/14/17
Matrix:	AQ - Ground Water	**Date Received:**	12/15/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene [a]	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	92%		81-124%
2037-26-5	Toluene-D8	92%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RE124D2
Lab Sample ID: JC57500-2
Matrix: AQ - Ground Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/14/17
Date Received: 12/15/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73278.D	1	01/03/18 08:04	CS	12/20/17 01:30	OP8766	E3M3517
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.049	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		29-124%
321-60-8	2-Fluorobiphenyl	44%		23-122%
1718-51-0	Terphenyl-d14	37%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB121417AR1		
Lab Sample ID:	JC57500-3	**Date Sampled:**	12/14/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/15/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A177316.D	1	12/27/17 01:40	GA	n/a	n/a	V1A7531
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB121417AR1		
Lab Sample ID:	JC57500-3	**Date Sampled:**	12/14/17
Matrix:	AQ - Field Blank Water	**Date Received:**	12/15/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene [a]	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		81-124%
2037-26-5	Toluene-D8	92%		80-120%
460-00-4	4-Bromofluorobenzene	96%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB121417AR1
Lab Sample ID: JC57500-3
Matrix: AQ - Field Blank Water
Method: SW846 8270D BY SIM SW846 3510C
Project: Northrup Grumman, Navy Wells OU2, Bethpage, NY

Date Sampled: 12/14/17
Date Received: 12/15/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M73279.D	1	01/03/18 08:35	CS	12/20/17 01:30	OP8766	E3M3517
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	91%		29-124%
321-60-8	2-Fluorobiphenyl	64%		23-122%
1718-51-0	Terphenyl-d14	69%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121417JC1		
Lab Sample ID:	JC57500-4	**Date Sampled:**	12/14/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/15/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A177317.D	1	12/27/17 02:10	GA	n/a	n/a	V1A7531
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121417JC1		
Lab Sample ID:	JC57500-4	**Date Sampled:**	12/14/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/15/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 GW List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene [a]	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	92%		81-124%
2037-26-5	Toluene-D8	92%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-1		
Lab Sample ID:	JC57292-1	**Date Sampled:**	12/12/17
Matrix:	AQ - Ground Water	**Date Received:**	12/13/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B113069.D	1	12/19/17 19:24	BK	n/a	n/a	V1B5401
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-1		
Lab Sample ID:	JC57292-1	**Date Sampled:**	12/12/17
Matrix:	AQ - Ground Water	**Date Received:**	12/13/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	87%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-2		
Lab Sample ID:	JC57292-2	**Date Sampled:**	12/12/17
Matrix:	AQ - Ground Water	**Date Received:**	12/13/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B113070.D	1	12/19/17 19:56	BK	n/a	n/a	V1B5401
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-2		
Lab Sample ID:	JC57292-2	**Date Sampled:**	12/12/17
Matrix:	AQ - Ground Water	**Date Received:**	12/13/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121217PP1		
Lab Sample ID:	JC57292-3	**Date Sampled:**	12/12/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/13/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B113071.D	1	12/19/17 20:28	BK	n/a	n/a	V1B5401
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121217PP1		
Lab Sample ID:	JC57292-3	**Date Sampled:**	12/12/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/13/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	84%		70-130%
460-00-4	4-Bromofluorobenzene	76%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC57292X**	**Date Collected:**	**12/12/2017 13:50**	**Matrix:**	**WATER**
Lab Sample ID:	**440179001**	**Date Received:**	**12/15/2017 09:05**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 6-1**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1728612**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**01/02/2018 23:13**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**01/02/2018 08:40**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s010218.B\s6a0215.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	U	0.100	ug/L	0.100	0.100	0.200

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC57292X**	**Date Collected:**	**12/12/2017 13:55**	**Matrix:**	**WATER**
Lab Sample ID:	**440179002**	**Date Received:**	**12/15/2017 09:05**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 6-2**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1728612**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**01/03/2018 00:07**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**01/02/2018 08:40**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s010218.B\s6a0217.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	U	0.100	ug/L	0.100	0.100	0.200

Report of Analysis

Client Sample ID:	BPOW 6-4		
Lab Sample ID:	JC57497-1	**Date Sampled:**	12/14/17
Matrix:	AQ - Ground Water	**Date Received:**	12/15/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B113072.D	1	12/19/17 21:00	BK	n/a	n/a	V1B5401
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-4		
Lab Sample ID:	JC57497-1	**Date Sampled:**	12/14/17
Matrix:	AQ - Ground Water	**Date Received:**	12/15/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	90%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-3		
Lab Sample ID:	JC57497-2	**Date Sampled:**	12/14/17
Matrix:	AQ - Ground Water	**Date Received:**	12/15/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B113073.D	1	12/19/17 21:31	BK	n/a	n/a	V1B5401
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-3		
Lab Sample ID:	JC57497-2	**Date Sampled:**	12/14/17
Matrix:	AQ - Ground Water	**Date Received:**	12/15/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121417PP1		
Lab Sample ID:	JC57497-3	**Date Sampled:**	12/14/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/15/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B113074.D	1	12/19/17 22:03	BK	n/a	n/a	V1B5401
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121417PP1		
Lab Sample ID:	JC57497-3	**Date Sampled:**	12/14/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/15/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	91%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC57497X**	**Date Collected:**	**12/14/2017 15:15**	**Matrix:**	**WATER**
Lab Sample ID:	**440303001**	**Date Received:**	**12/19/2017 09:50**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 6-4**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1729872**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**01/10/2018 04:46**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**01/09/2018 10:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s010918.B\s6a0924.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	J	0.141	ug/L	0.100	0.100	0.200

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC57497X**	**Date Collected:**	**12/14/2017 15:20**	**Matrix:**	**WATER**
Lab Sample ID:	**440303002**	**Date Received:**	**12/19/2017 09:50**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 6-3**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1729872**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**01/10/2018 06:04**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**01/09/2018 10:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s010918.B\s6a0926.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	U	0.100	ug/L	0.100	0.100	0.200

Report of Analysis

Client Sample ID:	BPOW 5-7		
Lab Sample ID:	JC57674-1	**Date Sampled:**	12/18/17
Matrix:	AQ - Ground Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D84511.D	1	12/22/17 18:53	BK	n/a	n/a	V4D3646
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane [b]	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 5-7		
Lab Sample ID:	JC57674-1	**Date Sampled:**	12/18/17
Matrix:	AQ - Ground Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	78%		70-130%
460-00-4	4-Bromofluorobenzene	75%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	5.12	.66	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121817AD1		
Lab Sample ID:	JC57674-2	**Date Sampled:**	12/18/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D84512.D	1	12/22/17 19:25	BK	n/a	n/a	V4D3646
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane [b]	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121817AD1		
Lab Sample ID:	JC57674-2	**Date Sampled:**	12/18/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	78%		70-130%
460-00-4	4-Bromofluorobenzene	75%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC57674X**	**Date Collected:**	**12/18/2017 15:40**	**Matrix:**	**WATER**
Lab Sample ID:	**440529001**	**Date Received:**	**12/21/2017 09:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 5-7**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1730571**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**01/12/2018 00:39**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**01/11/2018 11:30**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s011118.B\s6a1127.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	U	0.100	ug/L	0.100	0.100	0.200

Report of Analysis

Client Sample ID:	BPOW 6-5		
Lab Sample ID:	JC57675-1	**Date Sampled:**	12/18/17
Matrix:	AQ - Ground Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D84513.D	1	12/22/17 19:58	BK	n/a	n/a	V4D3646
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane [b]	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-5		
Lab Sample ID:	JC57675-1	**Date Sampled:**	12/18/17
Matrix:	AQ - Ground Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	78%		70-130%
460-00-4	4-Bromofluorobenzene	74%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-6		
Lab Sample ID:	JC57675-2	**Date Sampled:**	12/18/17
Matrix:	AQ - Ground Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D84514.D	1	12/22/17 20:30	BK	n/a	n/a	V4D3646
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane [b]	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 6-6		
Lab Sample ID:	JC57675-2	**Date Sampled:**	12/18/17
Matrix:	AQ - Ground Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	74%		70-130%
460-00-4	4-Bromofluorobenzene	75%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121817PP1		
Lab Sample ID:	JC57675-3	**Date Sampled:**	12/18/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4D84515.D	1	12/22/17 21:02	BK	n/a	n/a	V4D3646
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane [b]	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121817PP1		
Lab Sample ID:	JC57675-3	**Date Sampled:**	12/18/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/19/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Northrup Grumman, Navy Wells OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	74%		70-130%
460-00-4	4-Bromofluorobenzene	76%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	5.15	.81	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.
(b) This compound in BS is outside in house QC limits bias high.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC57675X**	**Date Collected:**	**12/18/2017 16:00**	**Matrix:**	**WATER**
Lab Sample ID:	**440526001**	**Date Received:**	**12/21/2017 09:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 6-5**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1731657**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**01/15/2018 18:33**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**01/15/2018 11:45**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s011518.B\s6a1507.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	U	0.100	ug/L	0.100	0.100	0.200

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC57675X**	**Date Collected:**	**12/18/2017 16:10**	**Matrix:**	**WATER**
Lab Sample ID:	**440526002**	**Date Received:**	**12/21/2017 09:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 6-6**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1730571**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**01/11/2018 23:48**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**01/11/2018 11:30**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s011118.B\s6a1125.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	U	0.100	ug/L	0.100	0.100	0.200

Report of Analysis

Client Sample ID:	BPOW 5-4		
Lab Sample ID:	JC43282-1	**Date Sampled:**	05/12/17
Matrix:	AQ - Ground Water	**Date Received:**	05/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B109481.D	1	05/17/17 23:18	BK	n/a	n/a	V1B5210
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 5-4		
Lab Sample ID:	JC43282-1	**Date Sampled:**	05/12/17
Matrix:	AQ - Ground Water	**Date Received:**	05/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	96%		70-130%
460-00-4	4-Bromofluorobenzene	82%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB051217AR1		
Lab Sample ID:	JC43282-2	**Date Sampled:**	05/12/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B109482.D	1	05/17/17 23:49	BK	n/a	n/a	V1B5210
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB051217AR1		
Lab Sample ID:	JC43282-2	**Date Sampled:**	05/12/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/12/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	95%		70-130%
460-00-4	4-Bromofluorobenzene	80%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
109-99-9	Furan, tetrahydro-	10.47	1.3	ug/l	JN
	Total TIC, Volatile		1.3	ug/l	J N

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC43282X**	**Date Collected:**	**05/12/2017 12:18**	**Matrix:**	**WATER**
Lab Sample ID:	**423199001**	**Date Received:**	**05/16/2017 09:20**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 5-4**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1665630**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**05/19/2017 15:25**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**05/19/2017 11:45**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s051917.B\s6e1910.D**		**RTX-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane		1.12	ug/L	0.100	0.100	0.200

Report of Analysis

Client Sample ID:	BPOW 5-3		
Lab Sample ID:	JC43448-1	**Date Sampled:**	05/15/17
Matrix:	AQ - Ground Water	**Date Received:**	05/16/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B109640.D	1	05/24/17 21:24	BK	n/a	n/a	V1B5216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 5-3		
Lab Sample ID:	JC43448-1	**Date Sampled:**	05/15/17
Matrix:	AQ - Ground Water	**Date Received:**	05/16/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB051517AR1		
Lab Sample ID:	JC43448-2	**Date Sampled:**	05/15/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/16/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B109641.D	1	05/24/17 21:55	BK	n/a	n/a	V1B5216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.6	5.0	3.8	ug/l	J
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB051517AR1		
Lab Sample ID:	JC43448-2	**Date Sampled:**	05/15/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/16/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	103%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
109-99-9	Furan, tetrahydro-	10.47	1.2	ug/l	JN
	Total TIC, Volatile		1.2	ug/l	J N

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC43446X**	**Date Collected:**	**05/15/2017 14:40**	**Matrix:**	**WATER**
Lab Sample ID:	**423480001**	**Date Received:**	**05/18/2017 09:00**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 5-3**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1667329**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**06/06/2017 15:17**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**06/06/2017 09:22**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s060617.B\s6f0605.D**		**RTX-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane		1.28	ug/L	0.100	0.100	0.200

SGS ACCUTEST
JC43448X

Report of Analysis

Client Sample ID:	BPOW 5-7		
Lab Sample ID:	JC43570-1	**Date Sampled:**	05/16/17
Matrix:	AQ - Ground Water	**Date Received:**	05/17/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B109656.D	1	05/25/17 07:17	BK	n/a	n/a	V1B5217
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BPOW 5-7		
Lab Sample ID:	JC43570-1	**Date Sampled:**	05/16/17
Matrix:	AQ - Ground Water	**Date Received:**	05/17/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	103%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB051617AR1		
Lab Sample ID:	JC43570-2	**Date Sampled:**	05/16/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/17/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1B109657.D	1	05/25/17 07:49	BK	n/a	n/a	V1B5217
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	3.8	ug/l	
78-93-3	2-Butanone	ND	5.0	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.36	ug/l	
75-25-2	Bromoform	ND	0.50	0.40	ug/l	
74-83-9	Bromomethane	ND	0.50	0.081	ug/l	
75-15-0	Carbon disulfide	ND	0.50	0.39	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.27	ug/l	
75-00-3	Chloroethane	ND	0.50	0.071	ug/l	
67-66-3	Chloroform	ND	0.50	0.33	ug/l	
74-87-3	Chloromethane	ND	0.50	0.39	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.094	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.098	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.25	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.26	ug/l	
76-13-1	Freon 113	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	0.50	0.37	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	1.5	ug/l	
100-42-5	Styrene	ND	0.50	0.21	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.099	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.12	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.12	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB051617AR1		
Lab Sample ID:	JC43570-2	**Date Sampled:**	05/16/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/17/17
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	Navy Wells, OU2, Bethpage, NY		

VOA OU2 Outpost List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	0.50	0.11	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.056	ug/l	
	m,p-Xylene	ND	0.50	0.26	ug/l	
95-47-6	o-Xylene	ND	0.50	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	100%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
109-99-9	Furan, tetrahydro-	10.48	1.3	ug/l	JNB
	Total TIC, Volatile		~~0~~ 1.3	ug/l	JN

(a) EPA 524.2 is not a certified method for non-potable water samples.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC43570X**	**Date Collected:**	**05/16/2017 15:50**	**Matrix:**	**WATER**
Lab Sample ID:	**423719001**	**Date Received:**	**05/20/2017 08:55**		
Client Sample:	**1X**	**Client:**	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**BPOW 5-7**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1667329**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**06/06/2017 16:33**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**06/06/2017 09:22**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s060617.B\s6f0608.D**		**RTX-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	U	0.100	ug/L	0.100	0.100	0.200

2017 Annual Operations Report

Groundwater Treatment Plant
GM-38 Area Groundwater Remediation
Naval Weapons Industrial Reserve Plant
Bethpage, New York

Contract No. N40085-16-D-2288
Contract Task Order No. 0005

January 2018

Prepared for:

Naval Facilities Engineering Command Mid-Atlantic
9324 Virginia Avenue
Norfolk, VA 23511

Prepared by:

KOMAN Government Solutions, LLC
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Table 8
GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Summary of Historical Groundwater Analytical Results
Through Fourth Quarter 2017

Sample ID	RW1-MW1																													
Sample Date	5/4/2005	7/22/2005	5/27/2009	1/21/2010	4/21/2010	7/28/2010	11/10/2010	3/25/2011	6/14/2011[1]	6/14/2011	9/28/2011	11/30/2011	3/8/2012	6/6/2012	6/6/2012	8/21/2012	12/4/2012	3/13/2013	6/19/2013[2]	9/17/2013	12/16/2013	3/24/2014	3/24/2014	9/22/2014	3/25/2015	9/15/2015	3/22/2016	9/14/2016	3/1/2017	9/12/2017
Comments										Duplicate					Duplicate								Duplicate							
Well Depth (Ft)	435																													
Screened Interval (Ft)	395-435																													
VOCS (EPA 624) ug/L [4]																														
Acrolein	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	30 R	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone	R	R	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
carbon disulfide	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon tetrachloride	ND	ND	0.32J	ND	ND	ND	0.17J	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NR	NR	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	2.0 R	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	0.7J	1.1	ND	0.70J	0.65J	0.56J	0.55J	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	0.39 J	ND	ND	0.48 J	0.48 J	0.50 J	0.58 J
Chloromethane	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cyclohexane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromo-3-chloro-propane	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromomethane	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND
1,3-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethane	0.74J	0.79J	3.3	2.9J	2.8	2.8	3.0	3.6	1.6 J	4.2 J	4.0 J	4.1	5.2	4.8	4.3	5.3	4.9	5.3	4.8 J	4.7 J	5.2	5.3	5.3	4.1 J	5.1	5.1	6.5	7.0	6.6	7.7
1,2-dichloroethane	ND	ND	0.29J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J
1,1-dichloroethene	1.3	2.8	3.1	1.7J	1.9	1.7	1.7	1.9	0.85 J	2.1 J	2.3 J	2.1	2.7	2.5	2.3	2.8	2.0	2.8	ND	2.5	2.6	2.8	2.7	2.2 J	2.2 J	1.9	2.2	1.8	1.6	2.1
cis-1,2-dichloroethene	78.6	80.4	180D	130	121	118	108	121	55.8 J	145 J	164	132	179	165	145	167	108	91.7	64	86.2 J	84.4	92.6 J	94.2	49.8	39.5	22.0	20.0	16	11	9.8
trans-1,2-dichloroethene	2.0	1.3J	2.8	4J	2.9	2.1	1.3	4.2	0.71 J	2.0 J	2.0 J	1.7	3.0	3.7	2.6	2.4	1.8	1.7	ND	ND	1.4	1.4	1.4	1.0	0.79 J	0.50 J	0.51 J	0.42 J	0.26 J	0.35 J
1,2-dichloropropane	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dioxane	1.75J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
isopropylbenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl acetate	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene chloride	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylcyclohexane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl-tert-butyl-ether	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
styrene	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-tetrachloroethane	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	0.72J	ND	0.42J	ND	ND	ND	ND	ND	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	0.67 J	0.33 J	0.37 J	0.76 J	0.30 J	0.62 J	0.67 J	0.45 J	0.46 J	0.59 J
Toluene	ND	0.33J	0.68	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	0.71J	ND	0.52J	0.43J	0.53J	0.79J	ND	0.63 J	1.1 J	0.66 J	0.96 J	0.98 J	0.89 J	0.99 J	0.88 J	1.1	ND	1.2	1.5	ND	ND	ND	ND	ND	ND	1.0	0.94 J	1
1,1,2-trichloroethane	ND	ND	0.58J	NR	ND	ND	ND	ND	NR	NR	ND	0.33 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	53.6	52.7	140.0	79.0	116	95.4	84.2	97.6	26.6 J	73.8 J	129	84.5	115	107	102	126	85	101	78	175	128	101	103	94.3	99.5	98.9	114	110	86	110
m,p-xylene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorofluoromethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorotrifluoroethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR
o-xylene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2-trichloro-1,2,2-trifluoroethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl chloride	ND	ND	1.6	ND	ND	ND	0.17J	ND	ND	0.38 J	0.29 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury (EPA 245.1) ug/L	NR	NR	ND	0.20	<0.20	<0.20	<0.20	<0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (SM20 2540D) mg/L	NR	NR	2.8	2.8	6.0	4.0	4.0	4.0	ND	6	ND	11	16	9	5	6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Summary of Historical Groundwater Analytical Results
Through Fourth Quarter 2017

Sample ID	RW1-MW2				RW1-MW3																							
Sample Date	5/4/2005	7/22/2005	5/28/2009	6/18/2013[2]	1/20/2010	4/21/2010	7/29/2010	11/10/2010	3/25/2011	6/14/2011	9/28/2011	11/30/2011	3/8/2012	6/7/2012	8/22/2012	12/7/2012	3/14/2013	6/19/2013[2]	9/17/2013	12/17/2013	3/25/2014	9/23/2014	3/25/2015	9/14/2015	3/21/2016	9/14/2016	3/1/2017	9/13/2017
Comments																												
Well Depth (Ft)	435				435																							
Screened Interval (Ft)	395-435				395-435																							
VOCS (EPA 624) ug/L [4]																												
Acrolein	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	30 R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone	R	R	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
carbon disulfide	ND	ND	ND	NR	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41 J	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	
Chloroform	ND	1.4	ND	ND	0.67J	0.80J	0.47J	0.69J	0.73J	NR	0.97 J	ND	0.73 J	0.64 J	ND	1.2 J	ND	0.82	ND	ND	0.74 J	0.67 J	0.79 J	ND	0.79 J	0.80 J	0.61 J	0.69 J	
Chloromethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND	ND
cyclohexane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromo-3-chloro-propane	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromomethane	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethane	4.6	5.5	3.4	3.9	2.4	4.6	1.5	2.3	2.4	9.3	10.1 J	2.1	8.4	5.7	9.4	9.3	8.5	10	9.7 J	8.1	8.6	6.1 J	8.1	7.7	7.4	7.0	4.5	4.4
1,2-dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	3.2	12.3	ND	ND	0.42J	1.10	ND	0.28J	ND	1.8	2.2 J	ND	1.8	0.86 J	2.4	2.2	1.7	1.8	1.6	1.9	2.1	1.6 J	2.3 J	2.3	2.5	1.7	1.1	1.2
cis-1,2-dichloroethene	181.0	47.6	160.0	120	0.54J	0.48J	0.36J	0.55J	0.58J	0.59 J	0.43 J	0.55 J	0.68 J	0.33 J	0.56 J	0.46 J	0.53 J	0.46 J	0.72 J	0.60 J	0.57 J	0.44 J	0.54 J	0.49 J	0.58 J	0.44 J	0.29 J	0.37 J
trans-1,2-dichloroethene	2.5	7.6	2.5	1.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dioxane	4.01	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND
2-hexanone	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
isopropylbenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl acetate	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene chloride	1.0	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylcyclohexane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl-tert-butyl-ether	NR	NR	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
styrene	ND	ND	ND	NR	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-tetrachloroethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	0.23 J	ND	ND	ND	0.20 J	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	ND
1,2,4-trichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	134.0	19.0	5.9	ND	049J	ND	ND	ND	0.33 J	0.62 J	ND	0.65 J	0.30 J	0.97 J	0.40 J	ND	ND	ND	ND	ND	ND	ND	0.50 J	ND	0.35 J	ND	0.22 J
Toluene	0.32J	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1.3	1.0	ND	ND	0.41J	0.98J	ND	0.26J	0.33J	1.6	2.7 J	ND	ND	1.1 J	1.9	1.7	1.4	1.8	1.5	2.0	1.7	1.2 J	1.5	1.6	2.1	1.6	1	1.1
1,1,2-trichloroethane	ND	0.65J	ND	ND	0.62J	0.60J	0.36J	0.55J	0.41J	NR	0.57 J	0.63 J	0.70 J	0.61 J	0.56 J	0.54 J	0.61 J	0.46 J	ND	0.55 J	0.46 J	0.46 J	0.43 J	0.44 J	0.47 J	0.41 J	0.51 J	0.35 J
Trichloroethene	158.0	198.0	200.0	64	1.2	1.6	0.58J	0.91J	1.0	1.4	1.8 J	1.0 J	2.2	1.3	2.3	1.6	1.9	1.7	2.5	3.2	2.5	1.9	2.0	2.4	4.5	3.5	2.3	2.8
m,p-xylene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Trichlorofluoromethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorotrifluoroethane	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR
o-xylene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2-trichloro-1,2,2-trifluoroethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl chloride	12.9	187.0	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (total)	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury (EPA 245.1) ug/L	NR	NR	0.20	NR	NR	<0.20	<0.20	<0.20	<0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (SM20 2540D) mg/L	NR	NR	4.0	NR	NR	8.0	<4.0	<4.0	<4.0	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	1.8	2.1	5.6

Table 8
GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Summary of Historical Groundwater Analytical Results
Through Fourth Quarter 2017

Sample ID	RW2-MW1																												RW2-MW2		
Sample Date	**5/4/2005**	**7/20/2005**	**5/27/2009**	**1/18/2010**	**4/21/2010**	**7/28/2010**	**11/3/2010**	**3/24/2011**	**6/14/2011**	**9/27/2011**	**11/29/2011**	**3/7/2012**	**6/6/2012**	**8/21/2012**	**12/7/2012**	**3/13/2013**	**6/17/2013[2]**	**9/17/2013**	**12/17/2013**	**12/17/2013 Duplicate**	**3/25/2014**	**9/23/2014**	**3/26/2015**	**9/14/2015**	**3/21/2016**	**3/21/2016 Duplicate**	**9/15/2016**	**3/1/2017**	**9/13/2017**	**5/4/2005**	**7/21/2005**	**6/17/2013[2]**
Comments																															
Well Depth (Ft)	**510**																												**510**		
Screened Interval (Ft)	**470-510**																												**470-510**		
VOCS (EPA 624) ug/L [1]																															
Acrolein	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	30 R	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Acrylonitrile	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Acetone	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
Benzene	ND	ND	ND	ND	0.15J	0.69J	0.58J	0.30J	NR	0.22 J	0.27 J	0.22 J	ND	ND	0.68 J	0.54 J	ND	0.59 J	ND	ND	0.21 J	0.21 J	0.56 J	ND	ND	0.18 J	ND	0.51 J	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone	R	R	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	R	R	ND
carbon disulfide	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0 J	1.6 J	ND	ND	ND	ND	ND
Dibromochloromethane	NR	NR	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	ND
Chloroethane	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	2.0 R	2.0 R	ND	ND	ND	ND	ND	ND	ND	NR	ND	NR	NR	NR
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	0.38 J	ND	ND	ND	2.9	ND	ND	ND	2.8 J	1.5	0.46 J	2.2	3.4	3.5	2.4	0.25 J	2	ND	ND	0.55
Chloromethane	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cyclohexane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromo-3-chloro-propane	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
1,2-dibromomethane	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
1,2-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,3-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
1,4-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
dichlorodifluoromethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethane	0.53J	0.93J	1.2J	0.82J	0.60J	0.58J	0.42J	ND	0.61 J	0.64 J	ND	0.50 J	4.2	4.8	0.58 J	0.52 J	7.0	ND	5.8	6.4	5.1	ND	2.1	6.3	8.7	8.5	6.4	1.7	6.6	ND	0.78J	4.9
1,2-dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	1.9 J	1.7 J	1.3	0.69 J	0.41 J	1.4	1.4	1.3	0.93 J	ND	0.71 J	ND	ND	0.32 J
1,1-dichloroethene	ND	0.58J	0.55J	0.63J	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	0.95 J	0.19 J	ND	1.9	ND	2.6	2.6	1.8	1.3 J	0.61 J	2.6	3.7	3.4	1.6	0.27 J	1.3	ND	0.41J	0.72
cis-1,2-dichloroethene	ND	0.55J	1.9	1.0	0.78J	0.80J	0.55J	0.43J	0.56 J	0.32 J	0.39 J	0.34 J	0.32 J	0.39 J	0.33 J	0.29 J	7.7	0.77 J	11.0 J	11.1 J	8.0	4.0	2.6	13.3	15.3	15.0	6.1	1.3	2.6	0.33J	0.41J	4.6
trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dioxane	5.34	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	7.45J	NR	NR	NR
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
isopropylbenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl acetate	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene chloride	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylcyclohexane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
methyl-tert-butyl-ether	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
styrene	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR
1,1,2,2-tetrachloroethane	ND	ND	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	NR	NR	ND	NR	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	0.85J	1.0	ND	0.52J	0.49J	0.50J	ND	NR	0.24 J	0.29 J	0.19 J	ND	ND	0.27 J	ND	ND	0.31 J	ND	ND	ND	ND	0.26 J	ND	0.20 J	ND	ND	ND	0.33J	0.53J	ND
1,1,1-trichloroethane	ND	0.37J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33 J	ND	ND	0.84	ND	0.94 J	0.94 J	ND	0.39 J	ND	ND	ND	ND	0.56 J	ND	0.49 J	ND	ND	0.34 J
1,1,2-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	D	ND	ND
Trichloroethene	37.6	34.6	12.0	15.0	0.42J	ND	ND	1.7	1.6	0.89 J	0.67 J	0.67 J	9.0	20.8	0.73 J	0.67 J	14	1.5	34.6	33.5	23.4	18.3	4.3	27.5	43.9	44.2	18	2.1	8.6	7.8	13.8	12
m,p-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Trichlorofluoromethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Trichlorofluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	ND
o-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
1,1,2-trichloro-1,2,2-trifluoroethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (total)	ND	1.4J	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
Mercury (EPA 245.1) ug/L	NR	NR	0.05J	NR	<0.20	<0.20	<0.20	<0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
TSS (SM20 2540D) mg/L	NR	NR	2260.0	NR	58.0	<4.0	<4.0	<4.0	181	5	36	6	25	12	10	ND	13	12	30	24	12	6	17	11	24	26	3.8	13.8	8.7	NR	NR	NR

Table 8
GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Summary of Historical Groundwater Analytical Results
Through Fourth Quarter 2017

Sample ID	RW2-MW3				RW3-MW1																											
Sample Date	5/3/2005	7/20/2005	5/28/2009	6/18/2013[2]	1/19/2010	4/22/2010	7/29/2010	11/9/2010	3/25/2011	3/25/2011	6/14/2011	9/27/2011	11/30/2011	11/30/2011	3/7/2012	6/7/2012	8/22/2012	12/6/2012	3/14/2013	6/20/2013[2]	6/20/2013[2]	9/18/2013	12/17/2013	3/25/2014	9/23/2014	3/25/2015	9/15/2015	3/22/2016	9/14/2016	3/2/2017	9/12/2017
Comments										Duplicate				Duplicate							Duplicate										
Well Depth (Ft)	510				350																											
Screened Interval (Ft)	470-510				330-350																											
VOCS (EPA 624) ug/L [4]																																
Acrolein	NR	NR	30 R	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	30 R	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Bromoform	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone	R	R	ND	ND	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
carbon disulfide	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	0.19J	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NR	NR	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
2-chloroethylvinyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	0.20J	ND	ND	NR	ND	ND	ND	ND	ND	ND	0.63 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cyclohexane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromo-3-chloro-propane	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromomethane	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethane	0.68J	0.31J	1.4	7.4	1.6	1.5	1.7	1.4	1.3	1.3	1.1	1.0 J	0.96 J	0.93 J	0.90 J	0.80 J	0.87 J	0.98 J	1.2	ND	ND	1.2 J	1.2	1.1	0.69 J	0.64 J	0.76 J	0.40 J	0.33 J	ND	ND	ND
1,2-dichloroethane	ND	ND	ND	ND	0.27J	ND	ND	ND	ND	ND	ND	0.57 J	ND	ND	0.43 J	ND	ND	0.50 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	0.42J	ND	1.2	1.3	1.2	1.2	1.2	1.1	0.85 J	0.65 J	0.64 J	0.66 J	0.47 J	0.19 J	0.54 J	0.65 J	0.68 J	ND	ND	0.57 J	0.69 J	0.74 J	0.43 J	0.42 J	0.41 J	0.29 J	0.21 J	ND	ND	ND
cis-1,2-dichloroethene	0.40J	0.66J	2.3	ND	0.37J	ND	0.32J	0.45J	0.47J	0.45J	0.48 J	0.31 J	0.36 J	0.43 J	0.37 J	0.39 J	0.36 J	0.44 J	0.38 J	ND	ND	0.43 J	0.41 J	0.38 J	0.30 J	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dioxane	7.42J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
2-hexanone	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
isopropylbenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl acetate	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene chloride	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylcyclohexane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl-tert-butyl-ether	NR	NR	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
styrene	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-tetrachloroethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	0.49J	0.81J	0.73J	1.5	1.4	1.6	1.2	1.3 J	1.0	1.1	1.0	0.33 J	ND	0.44 J	1.6	1.8 J	1.7 J	1.2	1.6	1.5	1.6	2.2	1.6	2.5	2.3	1.9	1.6	
Toluene	ND	0.50J	0.39J	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	0.98J	0.84J	1.2	1.1	1.1	0.78 J	1.0 J	0.59 J	0.63 J	0.58 J	0.54 J	0.42 J	0.34 J	0.49 J	ND	ND	0.61 J	0.66 J	0.66 J	0.39 J	0.35 J	0.36 J	0.30 J	0.21 J	ND	ND	ND
1,1,2-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	16.2	20.6	18.0	60	35.0	53.2	52.3	77.6	76.2	77.9	63.1	72.4 J	51.0	55.2	59.0	42.5	37.7	42.8	46.6	49	48	62.7	60.5	60.0	43.4	41.8	45.4	37.6	40	27	22	
m,p-xylene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorofluoromethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorotrifluoroethane	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.80 J	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	
o-xylene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2-trichloro-1,2,2-trifluoroethane	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (total)	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury (EPA 245.1) ug/L	NR	NR	ND	NR	NR	<0.20	<0.20	<0.20	<0.20	<0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.04 J	ND	ND	ND	ND	
TSS (SM20 2540D) mg/L	NR	NR	14.8	NR	NR	<4.0	<4.0	<4.0	<4.0	<4.0	5160	ND	ND	ND	NR	17	ND	ND	16	ND	9.5 J	ND	15	14	8	12	ND	ND	ND	3.3	2.9	

Table 8
GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Summary of Historical Groundwater Analytical Results
Through Fourth Quarter 2017

Sample ID	RW3-MW2																														
Sample Date	**1/19/2010**	**1/19/2010**	**4/22/2010**	**7/29/2010**	**11/9/2010**	**11/9/2010**	**3/25/2011**	**6/14/2011**	**9/27/2011**	**11/30/2011**	**3/8/2012**	**6/7/2012**	**8/22/2012**	**8/22/2012**	**12/4/2012**	**12/4/2012**	**3/14/2013**	**6/20/2013[3]**	**9/17/2013**	**12/17/2013**	**3/25/2014**	**9/23/2014**	**9/23/2014**	**3/25/2015**	**9/14/2015**	**3/22/2016**	**9/14/2016**	**9/14/2016**	**3/2/2017**	**3/2/2017**	**9/12/2017**
Comments		**Duplicate**			**Duplicate**									**Duplicate**		**Duplicate**							**Duplicate**					**Duplicate**		**Duplicate**	
Well Depth (Ft)	**495**																														
Screened Interval (Ft)	**475-495**																														
VOCS (EPA 624) ug/L [4]																															
Acrolein	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	30 R	30 R	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone	NR	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
carbon disulfide	NR	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	0.23 J	ND	ND	0.62 J	0.64 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27 J	0.24 J	0.23 J	0.26 J	0.24 J	0.24 J
Chloromethane	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cyclohexane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromo-3-chloro-propane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethane	ND	ND	0.54J	ND	ND	ND	ND	0.52 J	0.37 J	ND	0.41 J	0.66 J	0.74 J	0.73 J	0.69 J	0.71 J	0.68 J	ND	0.65 J	0.59 J	0.62 J	0.51 J	0.51 J	0.56 J	0.47 J	0.52 J	0.39 J	0.34 J	0.39 J	0.47 J	0.36 J
1,2-dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	1.2	ND	ND	ND	ND	0.57 J	0.45 J	0.27 J	0.27 J	0.36 J	0.49 J	0.49 J	0.40 J	0.43 J	0.53 J	ND	0.29 J	0.45 J	0.44 J	0.38 J	0.33 J	0.33 J	0.30 J	0.46 J	0.31 J	0.37 J	0.25 J	ND	0.26 J
cis-1,2-dichloroethene	1.5J	1.6J	2.4	1.1	0.92J	0.92J	1.6	1.7	1.1	1.4	1.3	1.5	1.6	1.5	1.6	1.6	1.6	ND	1.3 J	1.9	1.7	1.4	1.3	1.5	1.4	1.7	1.5	1.5	1.5	1.3	1.3
trans-1,2-dichloroethene	ND	ND	0.43 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	0.69 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dioxane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND
2-hexanone	NR	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl acetate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene chloride	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylcyclohexane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl-tert-butyl-ether	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
styrene	NR	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-tetrachloroethane	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28 J	ND	ND	ND	ND	ND	ND	ND	0.29 J	ND	ND	ND	0.52 J	0.66 J	0.48 J	0.54 J	0.44 J	0.38 J	0.43 J
Toluene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	0.58J	ND	ND	ND	ND	0.39 J	0.43 J	ND	ND	0.54 J	0.52 J	0.49 J	0.42 J	0.43 J	0.41 J	ND	0.47 J	0.50 J	0.43 J	0.36 J	0.39 J	0.38 J	0.41 J	0.47 J	0.44 J	0.47 J	0.41 J	0.34 J	0.26 J
1,1,2-trichloroethane	ND	ND	ND	ND	0.25 J	0.27J	ND	NR	0.32 J	0.32 J	0.32 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.32 J	0.31 J	0.21 J	0.32 J	0.24 J	0.26 J
Trichloroethene	160	170	211	73	58.2	60.9	110	135	151	71.9	96.5	209	198	192	173 J	171	155	140	174	176	164	148	151	159	169	204	190	190	160	150	140
m,p-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Trichlorofluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
o-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2-trichloro-1,2,2-trifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (total)	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury (EPA 245.1) ug/L	NR	NR	<0.20	<0.20	<0.20	<0.20	<0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (SM20 2540D) mg/L	NR	NR	5.0	6.0	ND	10.0	10.0	7	6	ND	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Summary of Historical Groundwater Analytical Results
Through Fourth Quarter 2017

Sample ID	RW3-MW3																											
Sample Date	1/20/2010	4/22/2010	4/22/2010	7/28/2010	11/3/2010 [1]	3/25/2011	6/15/2011	9/28/2011	11/29/2011	3/7/2012	3/7/2012	6/7/2012	8/22/2012	12/4/2012	3/14/2013	6/21/2013 [2]	9/18/2013	12/17/2013	3/26/2014	9/23/2014	3/25/2015	3/25/2015	9/15/2015	3/21/2016	9/15/2016	3/2/2017	9/12/2017	9/12/2017
Comments			Duplicate								Duplicate											Duplicate						Duplicate
Well Depth (Ft)	340																											
Screened Interval (Ft)	320-340																											
VOCS (EPA 624) ug/L [4]																												
Acrolein	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	150 R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzene	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
carbon disulfide	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0 R	ND	ND	ND	ND	NR	ND	ND
Chloroform	ND	ND	0.40J	0.46J	ND	0.33J	NR	0.48 J	ND	0.42 J	0.42 J	2.3 J	ND	0.88 J	ND	ND	ND	3.4 J	ND	0.27 J	0.40 J	0.33 J	ND	ND	0.48 J	0.45 J	0.35 J	0.27 J
Chloromethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cyclohexane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromo-3-chloro-propane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethane	ND	1.6	1.6	2.3	1.0	1.5	7.1	3.2 J	1.5	3.3	3.3	2.6 J	ND	4.2	4.5 J	ND	ND	3.7 J	4.9 J	1.3 J	1.8	1.8	1.2	4.0	3.5	2.9	2.5	2.2
1,2-dichloroethane	ND	0.52J	0.54J	ND	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.30 J	ND	ND	ND
1,1-dichloroethene	ND	1.1	1.3	1.2	ND	0.96J	2.6	1.8 J	0.96 J	1.9	1.9	1.7 J	1.4 J	1.8 J	1.9	2.1 J	ND	ND	ND	2.4 J	0.94 J	1.5 J	1.4 J	1.1	2.4	2.0	1.3	ND	0.78 J
cis-1,2-dichloroethene	ND	2.1	2.1	1.7	ND	2.3	1.2	1.9	2.1	2.1	2.1	1.4 J	1.8 J	1.2	ND	ND	ND	ND	ND	1.2	1.3	1.3	1.3	1.1	1.1	0.83 J	0.8 J	0.76 J
trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dioxane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
2-hexanone	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl acetate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene chloride	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND	6.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylcyclohexane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl-tert-butyl-ether	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
styrene	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-tetrachloroethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	0.45J	0.49J	ND	ND	ND	0.40 J	0.50 J	ND	0.72 J	0.69 J	ND	ND	0.43 J	ND	ND	ND	ND	ND	ND	0.36 J	0.37 J	0.77 J	0.71 J	0.58 J	0.43 J	0.31 J	0.44 J
Toluene	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	0.95J	1.0J	0.72J	ND	0.62J	1.3	1.0 J	0.49 J	0.84 J	0.87 J	ND	ND	0.85 J	ND	ND	ND	ND	ND	0.40 J	0.48 J	0.45 J	0.36 J	1.1	0.75 J	0.69 J	0.46 J	0.38 J
1,1,2-trichloroethane	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	350	397	382	297	8.5	288	331	215 J	250	312	325	285	248	291	347	410	322	322	350	147	182	184	138	284	260	200	100	95
m,p-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorofluoromethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
o-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2-trichloro-1,2,2-trifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (total)	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury (EPA 245.1) ug/L	NR	<0.20	<0.20	<0.20	<0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (SM20 2540D) mg/L	NR	4.0	5.0	<4.0	<4.0	<4.0	ND	ND	ND	ND	ND	13	10	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	2.4	3	1.9

Table 8
GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Summary of Historical Groundwater Analytical Results
Through Fourth Quarter 2017

Sample ID	RW3-MW4																								
Sample Date	**1/20/2010**	**4/22/2010**	**7/28/2010**	**7/28/2010**	**11/3/2010 [3]**	**3/24/2011**	**6/15/2011**	**9/28/2011**	**11/29/2011**	**3/7/2012**	**6/7/2012**	**8/22/2012**	**12/4/2012**	**3/14/2013**	**6/21/2013 [2]**	**9/17/2013**	**12/17/2013**	**3/26/2014**	**9/23/2014**	**3/25/2015**	**9/15/2015**	**3/21/2016**	**9/15/2016**	**3/2/2017**	**9/12/2017**
Comments				**Duplicate**																					
Well Depth (Ft)	**495**																								
Screened Interval (Ft)	**475-495**																								
VOCS (EPA 624) ug/L [4]																									
Acrolein	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	30 R	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzene	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
carbon disulfide	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	
Chloroform	ND	ND	ND	ND	0.32J	ND	NR	0.87 J	ND	0.38 J	ND	ND	0.71 J	ND	1.2	ND	ND	1.2 J	0.38 J	1.2	ND	0.64 J	ND	ND	0.21 J
Chloromethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cyclohexane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromo-3-chloro-propane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dibromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethane	2.5	0.6	0.54J	0.50J	1.8	0.81	0.78 J	5.4 J	0.84 J	1.8	0.50 J	ND	1.2	3.8	4.6	2.9	4.9	5.5	2.7 J	6.9	0.88 J	4.9	2.0	1.5	2.6
1,2-dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 J	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	1.0	ND	ND	ND	0.86J	ND	0.20 J	0.53 J	ND	0.21 J	ND	ND	0.19 J	0.38 J	0.42 J	ND	0.39 J	0.95 J	0.37 J	1.3 J	0.21 J	0.85 J	0.40 J	0.27 J	0.41 J
cis-1,2-dichloroethene	0.46J	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 J
trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dioxane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	
2-hexanone	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl acetate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene chloride	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.43 J	ND	ND	ND
methylcyclohexane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
methyl-tert-butyl-ether	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
styrene	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-tetrachloroethane	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J	0.46 J	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	0.67J	ND	ND	0.66 J	ND	ND	ND	ND	ND	ND	0.29 J	ND	0.39 J	0.48 J	ND	0.60 J	ND	0.48 J	0.24 J	ND	0.26 J
1,1,2-trichloroethane	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	11	7.5	8.0	308	7.7	6.7	3.4 J	5.6	4.6	5.4	5.5	4.5	2.3	1.8	5.0	4.4	3.3	2.5	2.7	4.1	2.9	4.3	4.1	5.4
m,p-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorofluoromethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR
o-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2-trichloro-1,2,2-trifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (total)	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury (EPA 245.1) ug/L	NR	<0.20	<0.20	<0.20	<0.20	<0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (SM20 2540D) mg/L	NR	16.0	<4.0	<4.0	<4.0	<4.0	ND	11	6	5	ND	ND	ND	22	ND	ND	ND	9	5	5	ND	ND	1.4	ND	1.3

Table 8
GM-38 Area Groundwater Remediation
Groundwater Treatment Plant
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Summary of Historical Groundwater Analytical Results
Through Fourth Quarter 2017

Sample ID	TP-01																								IW-1 MW-1		IW-1	RW-3 [3]				
Sample Date	1/21/2010	6/15/2011	9/27/2011	9/27/2011	11/30/2011	3/8/2012	6/6/2012	8/22/2012	12/4/2012	3/13/2013	3/13/2013	6/17/2013[2]	9/17/2013	9/17/2013	12/16/2013	3/25/2014	9/22/2014	3/25/2015	9/14/2015	9/14/2015	3/21/2016	9/14/2016	3/1/2017	9/13/2017	5/3/2005	6/18/2013[2]	5/27/2009	9/15/2015	3/22/2016	9/15/2016	3/2/2017	9/13/2017
Comments				Duplicate							Duplicate			Duplicate						Duplicate												
Well Depth (Ft)	470																								150		230	530				
Screened Interval (Ft)	450-470																								20-150		200-230	392-412				
VOCS (EPA 624) ug/L [4]																																
Acrolein	NR	NR	ND	ND	ND	ND	ND	30 R	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND
Acrylonitrile	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND
Acetone	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	NR	NR	
Benzene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	R	ND	ND	NR	NR	NR	NR	NR
carbon disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	NR	NR	NR	NR	NR
Carbon tetrachloride	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	NR	NR	ND	ND	ND	ND	ND	ND	ND	2.0 R	2.0 R	NR	ND	ND	ND	ND	ND	ND	2.0 R	ND	ND	ND	NR	ND	NR	NR	NR	ND	ND	ND	NR	ND
Chloroform	ND	NR	0.68 J	0.74 J	ND	0.74 J	0.82 J	ND	2.5 J	1.2	1.1	11	5.2 J	ND	7.4	6.8 J	1.9	2.6	1.3	1.3	1.7	1.6	1.2	6.3	0.94J	ND	0.98J	ND	0.46 J	0.26 J	ND	0.28 J
Chloromethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND
cyclohexane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
1,2-dibromo-3-chloro-propane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	NR	NR	NR	NR	NR
1,2-dibromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	NR	NR	NR	NR	NR
1,2-dichlorobenzene	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
1,1-dichloroethane	3.6J	5.0	3.7	3.7	2.9	3.7	3.7	3.4	1.1	1.5	1.4	3.2	2.1 J	2.8	1.5	ND	1.3 J	2.5	2.1	2.0	1.8	2.1	0.78 J	1.3	0.39J	0.51	0.22J	1.9	2.1	1.8	1.4 J	1.5
1,2-dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	0.36 J	0.37 J	0.30 J	ND	ND	ND	ND	0.67 J	0.88 J	0.82 J	0.82 J	0.86 J	0.70 J	0.45 J	0.79	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	1.7	1.1	1.0	1.0	1.2	1.4	1.1	0.23 J	0.44 J	0.42 J	0.77	0.66 J	0.74 J	0.33 J	0.22 J	0.47 J	1.2 J	0.77 J	0.83 J	0.75 J	0.68 J	0.23 J	0.36 J	ND	ND	ND	1.9	2.5	1.5	1.3 J	1.4
cis-1,2-dichloroethene	190	43.4	40.4	40.2	74.9	53.3	29.9	16.1	4.2	5.8	5.8	8.7	14.1 J	14.7	8.0	5.3	7.6	13.4	11.3	11.6	10.8	12	5	11	ND	ND	ND	1.6	2.4	1.4	1.6 J	1.9
trans-1,2-dichloroethene	3.0J	1.1	1.0 J	0.92 J	1.1	0.87 J	0.79 J	0.35 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 J	ND	ND	ND
1,2-dichloropropane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dioxane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND
Ethylbenzene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND
2-hexanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR
isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
methyl acetate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Methylene chloride	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND	ND
methylcyclohexane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR
methyl-tert-butyl-ether	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.46J	NR	NR	NR	NR	NR
styrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	NR	NR	NR	NR	NR
1,1,2,2-tetrachloroethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Tetrachloroethene	3.4J	3.3	4.4	4.4	3.6	4.7	6.0	4.0	0.42 J	0.34 J	0.32 J	1.6	0.77 J	1.5 J	0.57 J	ND	ND	0.48 J	0.82 J	0.88 J	0.72 J	0.37 J	0.22 J	ND	ND	0.55	ND	0.68 J	0.79 J	0.64 J	0.60 J	0.65 J
Toluene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19J	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	0.63 J	0.73 J	0.76 J	0.29 J	0.57 J	1.1 J	0.86 J	ND	0.35 J	0.35 J	0.62	0.66 J	0.66 J	0.50 J	ND	ND	ND	ND	ND	ND	0.49 J	0.25 J	0.29 J	0.47	0.92	0.49J	0.96 J	1.3	0.95 J	ND	0.83 J
1,1,2-trichloroethane	ND	NR	0.31 J	0.31 J	0.32 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.30 J	0.49 J	0.29 J	ND	0.45 J
Trichloroethene	65	35.3	41.0	39.6	38.0	38.1	40.4	27.9	22.0	25.9	25.4	25	27.0	26.7	29.8	21.7	31.9	52.3	53.0	53.9	61.7	47	21	54	ND	ND	0.17J	237	371	230	230	220
m,p-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	NR	NR
Trichlorofluoromethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND
Trichlorofluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	NR	NR
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	ND	ND	NR	NR	NR	ND
o-xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	NR	NR
1,1,2-trichloro-1,2,2-trifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylenes (total)	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR
Mercury (EPA 245.1) ug/L	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	0.20	ND	ND	ND	ND
TSS (SM20 2540D) mg/L	NR	63	18	NR	ND	7	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	2.4	ND	ND	ND	2.4	8.1

Note:
VOC analysis changed from SW846 8260B to EPA Method 624 in January 2010.
D = Dilution
J = estimated value
ND = not detected
NR = not reported / required
R = rejected
mg/L - milligrams per liter
µg/L - micrograms per liter

(1) Analytical results presented above for samples collected from RW3-MW3 and RW3-MW4 in November 2010 are not consistent with historical trends, indicating samples may have been switched. For trend analysis, concentrations for RW3-MW3 were used for RW3-MW4 for November 2010 and vise versa.
(2) VOCs were analyzed by USEPA Method 524.2 (as opposed to Method 624) in June 2013 to correlate with samples collected under the Bethpage Regional Plume Comprehensive Groundwater Sampling Plan conducted in June 2013.
(3) RW-3, previously an active extraction well sampled on a monthly basis, was taken off-line on 7/1/15. RW-3 is now sampled semi-annually, in conjunction with the semi-annual LTM events.
(4) Samples were analyzed for TCL VOCs, including tentatively identified compounds (TICs), beginning in March 2016. No TICs were detected, unless otherwise indicated.

Data prior to June 2011 were collected by others.

Arcadis 2017 Groundwater Investigation Analytical Results NOT YET PUBLISHED

Pelton, Jason M (DEC)

From: Stern, David <David.Stern@arcadis.com>
Sent: Wednesday, January 24, 2018 11:10 AM
To: Pelton, Jason M (DEC)
Cc: Edward Hannon (Edward.Hannon@ngc.com); Hesler, Donald (DEC); San Giovanni, Carlo; Wolfert, Mike
Subject: DELIVERABLE: OU3 Form 1 Submittal to NYSDEC
Attachments: Form 1 October-November 2017 (OU3 Phase 2).pdf

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good morning Jason:

On behalf of Northrop Grumman, Arcadis is submitting the attached Form 1 groundwater sampling data. As per discussions between Northrop Grumman and NYSDEC, NYSDEC requested that Northrop Grumman submit the validated Form 1s. The attached Form 1's are for the final data associated with OU3 routine sampling events conducted in October and November 2017.

Thank you!

Dave

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Report of Analysis

Client Sample ID: MW-116-5
Lab Sample ID: JC53654-1
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: Northrop Grumman, OU3 Hydro, Bethpage, NY

Date Sampled: 10/20/17
Date Received: 10/20/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A175419.D	5	10/27/17 14:38	OI	n/a	n/a	V1A7449
Run #2	1A175420.D	50	10/27/17 15:08	OI	n/a	n/a	V1A7449

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/l	
71-43-2	Benzene	ND	2.5	0.87	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.1	ug/l	
75-25-2	Bromoform	ND	5.0	2.1	ug/l	
74-83-9	Bromomethane	ND	10	6.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	24	ug/l	
106-99-0	1,3-Butadiene	ND	25	2.1	ug/l	
75-15-0	Carbon disulfide	ND	10	1.2	ug/l	
56-23-5	Carbon tetrachloride	2.0	5.0	1.7	ug/l	J
108-90-7	Chlorobenzene	ND	5.0	1.2	ug/l	
75-45-6	Chlorodifluoromethane	ND	25	11	ug/l	
75-00-3	Chloroethane	ND	5.0	3.0	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
74-87-3	Chloromethane	ND	5.0	2.7	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	0.82	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	10	9.3	ug/l	
75-34-3	1,1-Dichloroethane	4.3	5.0	1.0	ug/l	J
107-06-2	1,2-Dichloroethane	14.7	5.0	1.0	ug/l	
75-35-4	1,1-Dichloroethene	6.7	5.0	2.4	ug/l	
156-59-2	cis-1,2-Dichloroethene	261	5.0	2.5	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	2.0	ug/l	
78-87-5	1,2-Dichloropropane	4.0	5.0	1.2	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.1	ug/l	
76-13-1	Freon 113	ND	25	6.2	ug/l	
591-78-6	2-Hexanone	ND	25	16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	15	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	1.2	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.84	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.5	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-116-5		
Lab Sample ID:	JC53654-1	**Date Sampled:**	10/20/17
Matrix:	AQ - Ground Water	**Date Received:**	10/20/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.0	1.2	ug/l	
71-55-6	1,1,1-Trichloroethane	2.0	5.0	1.3	ug/l	J
79-00-5	1,1,2-Trichloroethane	2.3	5.0	1.2	ug/l	J
79-01-6	Trichloroethene	1650 [b]	50	13	ug/l	
75-01-4	Vinyl chloride	ND	5.0	3.1	ug/l	
75-68-3	1-chloro-1,1-difluoroethane	ND	25		ug/l	
	m,p-Xylene	ND	5.0	2.1	ug/l	
95-47-6	o-Xylene	ND	5.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	104%	107%	81-124%
2037-26-5	Toluene-D8	95%	95%	80-120%
460-00-4	4-Bromofluorobenzene	97%	98%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB102017AD1
Lab Sample ID: JC53654-2
Matrix: AQ - Trip Blank Water
Method: SW846 8260C
Project: Northrop Grumman, OU3 Hydro, Bethpage, NY

Date Sampled: 10/20/17
Date Received: 10/20/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A175418.D	1	10/27/17 14:08	OI	n/a	n/a	V1A7449
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
106-99-0	1,3-Butadiene	ND	5.0	0.41	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-45-6	Chlorodifluoromethane	ND	5.0	2.1	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB102017AD1		
Lab Sample ID:	JC53654-2	**Date Sampled:**	10/20/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/20/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
75-68-3	1-chloro-1,1-difluoroethane	ND	5.0		ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		81-124%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-116-5
Lab Sample ID: JC55933-1
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: Northrop Grumman, OU3 Hydro, Bethpage, NY

Date Sampled: 11/20/17
Date Received: 11/21/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B77440.D	2	12/01/17 12:00	HT	n/a	n/a	V4B3177
Run #2	4B77441.D	20	12/01/17 12:28	HT	n/a	n/a	V4B3177

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	10	ug/l	
71-43-2	Benzene	ND	1.0	0.35	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/l	
75-25-2	Bromoform	ND	2.0	0.85	ug/l	
74-83-9	Bromomethane	ND	4.0	2.7	ug/l	
78-93-3	2-Butanone (MEK)	ND	20	9.5	ug/l	
106-99-0	1,3-Butadiene [a]	ND	10	0.82	ug/l	
75-15-0	Carbon disulfide	ND	4.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	2.2	2.0	0.67	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.48	ug/l	
75-45-6	Chlorodifluoromethane	ND	10	4.3	ug/l	
75-00-3	Chloroethane	ND	2.0	1.2	ug/l	
67-66-3	Chloroform	13.3	2.0	0.57	ug/l	
74-87-3	Chloromethane	ND	2.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	4.0	3.7	ug/l	
75-34-3	1,1-Dichloroethane	3.7	2.0	0.41	ug/l	
107-06-2	1,2-Dichloroethane	12.5	2.0	0.40	ug/l	
75-35-4	1,1-Dichloroethene	7.1	2.0	0.95	ug/l	
156-59-2	cis-1,2-Dichloroethene	253	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.6	2.0	0.80	ug/l	J
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.45	ug/l	
76-13-1	Freon 113 [a]	ND	10	2.5	ug/l	
591-78-6	2-Hexanone	ND	10	6.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	10	6.0	ug/l	
75-09-2	Methylene chloride	ND	4.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.48	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.34	ug/l	
127-18-4	Tetrachloroethene	1.4	2.0	1.0	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-116-5
Lab Sample ID: JC55933-1
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: Northrop Grumman, OU3 Hydro, Bethpage, NY

Date Sampled: 11/20/17
Date Received: 11/21/17
Percent Solids: n/a

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	1.8	2.0	0.50	ug/l	J
79-00-5	1,1,2-Trichloroethane	1.9	2.0	0.48	ug/l	J
79-01-6	Trichloroethene	1650 [b]	20	5.3	ug/l	
75-01-4	Vinyl chloride	ND	2.0	1.2	ug/l	
75-68-3	1-chloro-1,1-difluoroethane [a]	ND	10		ug/l	
	m,p-Xylene	ND	2.0	0.85	ug/l	
95-47-6	o-Xylene	ND	2.0	0.43	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	92%	80-120%
17060-07-0	1,2-Dichloroethane-D4	91%	90%	81-124%
2037-26-5	Toluene-D8	90%	93%	80-120%
460-00-4	4-Bromofluorobenzene	96%	96%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB112017AD1
Lab Sample ID: JC55933-2
Matrix: AQ - Trip Blank Water
Method: SW846 8260C
Project: Northrop Grumman, OU3 Hydro, Bethpage, NY

Date Sampled: 11/20/17
Date Received: 11/21/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B77392.D	1	11/30/17 11:40	HT	n/a	n/a	V4B3175
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
106-99-0	1,3-Butadiene [a]	ND	5.0	0.41	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-45-6	Chlorodifluoromethane	ND	5.0	2.1	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 [a]	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB112017AD1		
Lab Sample ID:	JC55933-2	**Date Sampled:**	11/20/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
75-68-3	1-chloro-1,1-difluoroethane	ND	5.0		ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-120%
17060-07-0	1,2-Dichloroethane-D4	90%		81-124%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-109-3
Lab Sample ID: JC56014-1
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: Northrop Grumman, OU3 Hydro, Bethpage, NY

Date Sampled: 11/21/17
Date Received: 11/22/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B77450.D	1	12/01/17 17:07	HT	n/a	n/a	V4B3177
Run #2	4B77449.D	10	12/01/17 16:11	HT	n/a	n/a	V4B3177

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
106-99-0	1,3-Butadiene [a]	ND	5.0	0.41	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-45-6	Chlorodifluoromethane	ND	5.0	2.1	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	4.1	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	2.6	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	0.69	1.0	0.20	ug/l	J
75-35-4	1,1-Dichloroethene	0.73	1.0	0.47	ug/l	J
156-59-2	cis-1,2-Dichloroethene	198	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.9	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 [a]	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	1.7	1.0	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-109-3		
Lab Sample ID:	JC56014-1	**Date Sampled:**	11/21/17
Matrix:	AQ - Ground Water	**Date Received:**	11/22/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	305 [b]	10	2.7	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
75-68-3	1-chloro-1,1-difluoroethane [a]	ND	5.0		ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%	92%	80-120%
17060-07-0	1,2-Dichloroethane-D4	86%	88%	81-124%
2037-26-5	Toluene-D8	95%	95%	80-120%
460-00-4	4-Bromofluorobenzene	97%	93%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TB11217AD1
Lab Sample ID: JC56014-2
Matrix: AQ - Trip Blank Water
Method: SW846 8260C
Project: Northrop Grumman, OU3 Hydro, Bethpage, NY

Date Sampled: 11/21/17
Date Received: 11/22/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B77409.D	1	11/30/17 19:34	HT	n/a	n/a	V4B3175
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
106-99-0	1,3-Butadiene [a]	ND	5.0	0.41	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-45-6	Chlorodifluoromethane	ND	5.0	2.1	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 [a]	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB11217AD1		
Lab Sample ID:	JC56014-2	**Date Sampled:**	11/21/17
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/22/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
75-68-3	1-chloro-1,1-difluoroethane	ND	5.0		ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-120%
17060-07-0	1,2-Dichloroethane-D4	89%		81-124%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	93%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB112117AD1		
Lab Sample ID:	JC56014-3	**Date Sampled:**	11/21/17
Matrix:	AQ - Field Blank Water	**Date Received:**	11/22/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B77410.D	1	11/30/17 20:02	HT	n/a	n/a	V4B3175
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
106-99-0	1,3-Butadiene [a]	ND	5.0	0.41	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-45-6	Chlorodifluoromethane	ND	5.0	2.1	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 [a]	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB112117AD1		
Lab Sample ID:	JC56014-3	**Date Sampled:**	11/21/17
Matrix:	AQ - Field Blank Water	**Date Received:**	11/22/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
75-68-3	1-chloro-1,1-difluoroethane	ND	5.0		ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		81-124%
2037-26-5	Toluene-D8	90%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	REP112117AD1		
Lab Sample ID:	JC56014-4	**Date Sampled:**	11/21/17
Matrix:	AQ - Ground Water	**Date Received:**	11/22/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B77450A.D	1	12/01/17 17:35	HT	n/a	n/a	V4B3177
Run #2	4B77451.D	10	12/01/17 18:03	HT	n/a	n/a	V4B3177

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
106-99-0	1,3-Butadiene [a]	ND	5.0	0.41	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-45-6	Chlorodifluoromethane	ND	5.0	2.1	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	4.5	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	2.7	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	0.67	1.0	0.20	ug/l	J
75-35-4	1,1-Dichloroethene	0.73	1.0	0.47	ug/l	J
156-59-2	cis-1,2-Dichloroethene	212 [b]	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.9	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 [a]	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	1.5	1.0	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	REP112117AD1		
Lab Sample ID:	JC56014-4	**Date Sampled:**	11/21/17
Matrix:	AQ - Ground Water	**Date Received:**	11/22/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	287 [b]	10	2.7	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
75-68-3	1-chloro-1,1-difluoroethane [a]	ND	5.0		ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	93%	80-120%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	81-124%
2037-26-5	Toluene-D8	92%	92%	80-120%
460-00-4	4-Bromofluorobenzene	94%	95%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-111-4
Lab Sample ID: JC56014-5
Matrix: AQ - Ground Water
Method: SW846 8260C
Project: Northrop Grumman, OU3 Hydro, Bethpage, NY

Date Sampled: 11/21/17
Date Received: 11/22/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B77452.D	1	12/01/17 18:31	HT	n/a	n/a	V4B3177
Run #2	4B77453.D	10	12/01/17 18:59	HT	n/a	n/a	V4B3177

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
106-99-0	1,3-Butadiene [a]	ND	5.0	0.41	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-45-6	Chlorodifluoromethane	ND	5.0	2.1	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	2.5	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	8.7	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	3.4	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	6.0	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	658 [b]	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	8.1	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	0.94	1.0	0.24	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 [a]	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	11.7	1.0	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-111-4		
Lab Sample ID:	JC56014-5	**Date Sampled:**	11/21/17
Matrix:	AQ - Ground Water	**Date Received:**	11/22/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Northrop Grumman, OU3 Hydro, Bethpage, NY		

VOA OU3 Phase 2 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	1.4	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	0.78	1.0	0.24	ug/l	J
79-01-6	Trichloroethene	1640 [b]	10	2.7	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
75-68-3	1-chloro-1,1-difluoroethane [a]	ND	5.0		ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	91%	93%	81-124%
2037-26-5	Toluene-D8	93%	92%	80-120%
460-00-4	4-Bromofluorobenzene	93%	93%	80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC53654X**	**Date Collected:**	**10/20/2017 12:00**	**Matrix:**	**WATER**
Lab Sample ID:	**436242001**	**Date Received:**	**10/25/2017 09:00**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**MW-116-5**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1713120**	**Inst:**	**MSD6.I**	**Dilution:**	**10**
Run Date:	**10/26/2017 18:39**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**10/26/2017 09:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s102617.B\s6i2617.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	J	37.1	ug/L	1.00	1.00	2.00

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC55933X**	**Date Collected:**	**11/20/2017 15:00**	**Matrix:**	**WATER**
Lab Sample ID:	**438687001**	**Date Received:**	**11/28/2017 08:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**MW-116-5**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1723304**	**Inst:**	**MSD6.I**	**Dilution:**	**10**
Run Date:	**12/13/2017 08:34**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**12/12/2017 10:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s121217.B\s6L1240.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	J	41.8	ug/L	1.00	1.00	2.00

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC56014X**	**Date Collected:**	**11/21/2017 11:00**	**Matrix:**	**WATER**
Lab Sample ID:	**438686001**	**Date Received:**	**11/28/2017 08:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**MW-109-3**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1723304**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**12/12/2017 16:15**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**12/12/2017 10:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s121217.B\s6L1209.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane		6.26	ug/L	0.100	0.100	0.200

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC56014X**	**Date Collected:**	**11/21/2017 08:30**	**Matrix:**	**WATER**
Lab Sample ID:	**438686002**	**Date Received:**	**11/28/2017 08:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**FB12117AD1**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1723304**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**12/12/2017 17:17**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**12/12/2017 10:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s121217.B\s6L1211.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane	U	0.100	ug/L	0.100	0.100	0.200

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC56014X**	**Date Collected:**	**11/21/2017 12:00**	**Matrix:**	**WATER**
Lab Sample ID:	**438686003**	**Date Received:**	**11/28/2017 08:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**REP112117AD1**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1723304**	**Inst:**	**MSD6.I**	**Dilution:**	**1**
Run Date:	**12/12/2017 18:21**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**12/12/2017 10:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s121217.B\s6L1213.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane		6.58	ug/L	0.100	0.100	0.200

2

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**JC56014X**	**Date Collected:**	**11/21/2017 13:50**	**Matrix:**	**WATER**
Lab Sample ID:	**438686004**	**Date Received:**	**11/28/2017 08:55**		
		Client:	**ACTL003**	**Project:**	**ACTL00316**
Client ID:	**MW-111-4**	**Method:**	**EPA 522**	**SOP Ref:**	**GL-OA-E-073**
Batch ID:	**1723304**	**Inst:**	**MSD6.I**	**Dilution:**	**10**
Run Date:	**12/13/2017 08:07**	**Analyst:**	**JMB3**	**Inj. Vol:**	**1 uL**
Prep Date:	**12/12/2017 10:00**	**Aliquot:**	**100 mL**	**Final Volume:**	**2 mL**
Data File:	**s121217.B\s6L1239.D**		**Rtx-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL	LOD	LOQ
123-91-1	1,4-Dioxane		44.6	ug/L	1.00	1.00	2.00

Mr. Jason Pelton
Project Manager
New York State Department of Environmental Conservation
Remedial Bureau D
625 Broadway
Albany, New York 12233-7015

Subject:

2017 Annual Operation Maintenance and Monitoring Report,
Operable Unit 2, Northrop Grumman Systems Corporation and Naval Weapons Industrial Reserve Plant (NWIRP) Sites, Bethpage, New York.
(NYSDEC Site #s 1-30-003A and B)

ENVIRONMENT

Date:
March 29, 2018

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NY001496.22TM.RPTI4
NY001496.23TM.NAVI4

Dear Jason:

On behalf of Northrop Grumman Systems Corporation (Northrop Grumman), Arcadis is providing the NYSDEC with the 2017 Annual Operation Maintenance and Monitoring Report (Report). This Report was prepared to document the operation, maintenance, and monitoring (OM&M) activities conducted for the on-site portion of the Operable Unit 2 (OU2) groundwater remedy and the results of ongoing volatile organic compound (VOC) and inorganic monitoring in groundwater to meet the remedial objectives set forth in the March 2001 OU2 Record of Decision (ROD).

Table 4
Concentrations of Constituents in Remedial Wells and Treatment System Effluents, 2017, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

Constituents[1] (units in µg/L)	Location ID: Sample ID: Sample Date:	WELL 1 WELL 1 2/22/2017	WELL 1 WELL 1 6/27/2017	WELL 1 WELL 1 9/12/2017[5]	WELL 1 WELL 1 12/13/2017
Volatile Organic Compounds (VOCs)[2]					
	NYSDEC SCGs[3]				
1,1,1-Trichloroethane	5	**0.35 J**	**0.32 J**	<4.0	**0.35 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<4.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<4.0	<1.0
1,1-Dichloroethane	5	**0.73 J**	**0.86 J**	<4.0	**0.77 J**
1,1-Dichloroethene	5	**2.7**	**3.3**	<4.0	**2.7**
1,2-Dichloroethane	5	<1.0	<1.0	<4.0	<1.0
1,2-Dichloropropane	5	**4.5**	**4.7**	**4.4**	**4.4**
2-Butanone (MEK)	50	<10	<10	<40	<10
2-Hexanone (MBK)	50	<5.0	<5.0	<20	<5.0
4-methyl-2-pentanone (MIK)	50	<5.0	<5.0	<20	<5.0
Acetone	50	<10	<10	<40	<10
Benzene	1	<0.50	<0.50	<2.0	<0.50
Bromodichloromethane	50	<1.0	<1.0	<4.0	<1.0
Bromoform	50	<1.0	<1.0	<4.0	<1.0
Bromomethane	5	<2.0	<2.0	<8.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<8.0	<2.0
Carbon Tetrachloride	5	<1.0	<1.0	<4.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<4.0	<1.0
Chloroethane	5	<1.0	<1.0	<4.0	<1.0
Chloroform	7	**0.32 J**	**0.32 J**	<4.0	**0.35 J**
Chloromethane	5	<1.0	<1.0	<4.0	<1.0
cis-1,2-Dichloroethene	5	**4.8**	**5.7**	**4.9**	**5.3**
cis-1,3-Dichloropropene	5	<1.0	<1.0	<4.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<4.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<4.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<8.0	<2.0
Styrene	5	<1.0	<1.0	<4.0	<1.0
Tetrachloroethene	5	**28.1**	**22.4**	**21.7**	**22.4**
Toluene	5	<1.0	<1.0	<4.0	<1.0
trans-1,2-Dichloroethene	5	<1.0	<1.0	<4.0	<1.0
trans-1,3-Dichloropropene	5	<1.0	<1.0	<4.0	<1.0
Trichloroethylene	5	**702**	**622**	**603**	**608**
Trichlorotrifluoroethane (Freon 113)	5	**4.3 J**	**4.1 J**	<20	**3.8 J**
Vinyl Chloride	2	<1.0	<1.0	<4.0	<1.0
Xylene-o	5	<1.0	<1.0	<4.0	<1.0
Xylene-m,p	5	<1.0	<1.0	<4.0	<1.0
Total VOCs[4]		**750**	**660**	**630**	**650**
1,4-Dioxane[2]	NS	**8.91**	**9.78**	**9.35**	**9.09**

Notes and abbreviations on last page.

Table 4
Concentrations of Constituents in Remedial Wells and Treatment System Effluents, 2017, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents[1] (units in µg/L)	Location ID: Sample ID: Sample Date:	WELL 3R WELL 3R 2/14/2017	WELL 3R WELL 3R 6/27/2017	WELL 3R WELL 3R 9/12/2017[5]	WELL 3R WELL 3R 12/13/2017
Volatile Organic Compounds (VOCs)[2]					
	NYSDEC SCGs[3]				
1,1,1-Trichloroethane	5	**0.78 J**	**0.61 J**	**0.68 J**	**0.68 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	**1.4**	**1.6**	**1.5**	**1.5**
1,1-Dichloroethene	5	**4.9**	**4.8**	**4.1**	**4.1**
1,2-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)	50	<10	<10	<10	<10
2-Hexanone (MBK)	50	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone (MIK)	50	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0
Carbon Tetrachloride	5	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0
Chloroform	7	<1.0	<1.0	<1.0	<1.0
Chloromethane	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	5	**4.3**	**4.6**	**4.3**	**4.3**
cis-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**30.9**	**27.1**	**30.5**	**27.8**
Toluene	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	**498**	**397**	**365**	**362**
Trichlorotrifluoroethane (Freon 113)	5	**4.0 J**	**3.8 J**	**3.5 J**	**3.5 J**
Vinyl Chloride	2	**3.9**	**3.5**	**2.7**	**2.1**
Xylene-o	5	<1.0	<1.0	<1.0	<1.0
Xylene-m,p	5	<1.0	<1.0	<1.0	<1.0
Total VOCs[4]		**550**	**440**	**410**	**410**
1,4-Dioxane[2]	NS	**16.4**	**15.8**	**14.9**	**16.8**

Notes and abbreviations on last page.

Table 4
Concentrations of Constituents in Remedial Wells and Treatment System Effluents, 2017, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

Constituents[1] (units in µg/L)	Location ID: Sample ID: Sample Date:	96 EFFLUENT 96 EFFLUENT 2/14/2017	96 EFFLUENT 96 EFFLUENT 6/27/2017	96 EFFLUENT 96 EFFLUENT 9/12/2017[5]	96 EFFLUENT 96 EFFLUENT 12/13/2017
Volatile Organic Compounds (VOCs)[2]					
	NYSDEC SCGs[3]				
1,1,1-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)	50	<10	<10	<10	<10
2-Hexanone (MBK)	50	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone (MIK)	50	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0
Carbon Tetrachloride	5	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0
Chloroform	7	<1.0	<1.0	<1.0	<1.0
Chloromethane	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	<1.0	<1.0	<1.0	<1.0
Toluene	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	**1.2**	<1.0	<1.0	<1.0
Trichlorotrifluoroethane (Freon 113)	5	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0
Xylene-o	5	<1.0	<1.0	<1.0	<1.0
Xylene-m,p	5	<1.0	<1.0	<1.0	<1.0
Total VOCs[4]		**1.2**	0.0	0.0	0.0
1,4-Dioxane[2]	NS	**11.1**	**10.9**	**12.2**	**12.6**

Notes and abbreviations on last page.

Table 4
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ARCADIS Design & Consultancy for natural and built assets

Constituents[1] (units in µg/L)	Location ID: Sample ID: Sample Date:	WELL 17 WELL 17 2/14/2017	WELL 17 WELL 17 6/29/2017	WELL 17 WELL 17 9/12/2017[5]	Well 17 REP-091217-MG-1 9/12/2017[5]
Volatile Organic Compounds (VOCs)[2]					
	NYSDEC SCGs[3]				
1,1,1-Trichloroethane	5	**0.28 J**	<1.0	**0.25 J**	**0.27 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	**0.89 J**	**0.95 J**	**0.86 J**	**0.85 J**
1,1-Dichloroethene	5	**1.9**	**1.8**	**1.7**	**1.7**
1,2-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<1.0	<1.0	**0.27 J**	**0.24 J**
2-Butanone (MEK)	50	<10	<10	<10	<10
2-Hexanone (MBK)	50	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone (MIK)	50	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0
Carbon Tetrachloride	5	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0
Chloroform	7	**0.24 J**	<1.0	<1.0	<1.0
Chloromethane	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	5	**2.8**	**3.0**	**2.8**	**2.9**
cis-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**23.3**	**22.0**	**21.6**	**21.4**
Toluene	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	**116**	**116**	**105**	**104**
Trichlorotrifluoroethane (Freon 113)	5	**3.3 J**	**3.4 J**	**2.8 J**	**2.9 J**
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0
Xylene-o	5	<1.0	<1.0	<1.0	<1.0
Xylene-m,p	5	<1.0	<1.0	<1.0	<1.0
Total VOCs[4]		**150**	**150**	**140**	**130**
1,4-Dioxane[2]	NS	**8.74**	**7.48**	**8.51**	**8.21**

Notes and abbreviations on last page.

Table 4
Concentrations of Constituents in Remedial Wells and Treatment System Effluents, 2017, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

Constituents[1] (units in µg/L)	Location ID: Sample ID: Sample Date:	WELL 17 WELL 17 12/13/2017	Well 17 REP-121317-MG-1 12/13/2017	WELL 18 WELL 18 2/14/2017	WELL 18 REP-021417-SN-1 2/14/2017
Volatile Organic Compounds (VOCs)[2]					
	NYSDEC SCGs[3]				
1,1,1-Trichloroethane	5	**0.29 J**	**0.28 J**	**0.43 J**	**0.43 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	**0.91 J**	**0.94 J**	**1.2**	**1.1**
1,1-Dichloroethene	5	**1.8**	**1.9**	<1.0	**1.3**
1,2-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<1.0	**0.28 J**	<1.0	<1.0
2-Butanone (MEK)	50	<10	<10	<10	<10
2-Hexanone (MBK)	50	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone (MIK)	50	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0
Carbon Tetrachloride	5	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0
Chloroform	7	<1.0	<1.0	<1.0	<1.0
Chloromethane	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	5	**3.0**	**2.9**	**2.1**	**2.2**
cis-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**21.8**	**21.6**	**13.0**	**12.1**
Toluene	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	**116**	**116**	**46.1**	**45.0**
Trichlorotrifluoroethane (Freon 113)	5	**3.3 J**	**3.4 J**	**1.3 J**	**1.2 J**
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0
Xylene-o	5	<1.0	<1.0	<1.0	<1.0
Xylene-m,p	5	<1.0	<1.0	<1.0	<1.0
Total VOCs[4]		**150**	**150**	**64**	**63**
1,4-Dioxane[2]	NS	**10.5**	**11.2**	**7.24**	**6.67**

Notes and abbreviations on last page.

Table 4
Concentrations of Constituents in Remedial Wells and Treatment System Effluents, 2017, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

Constituents[1] (units in µg/L)	Location ID: Sample ID: Sample Date:	WELL 18 WELL 18 6/27/2017	WELL 18 REP-062417-JB-1 6/27/2017	WELL 18 WELL 18 9/12/2017[5]	WELL 18 WELL 18 12/13/2017
Volatile Organic Compounds (VOCs)[2]					
	NYSDEC SCGs[3]				
1,1,1-Trichloroethane	5	**0.44 J**	**0.57 J**	**0.42 J**	**0.51 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	**1.3**	**1.5**	**1.2**	**1.4**
1,1-Dichloroethene	5	**4.0**	**4.4**	**3.1**	**3.4**
1,2-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)	50	<10	<10	<10	<10
2-Hexanone (MBK)	50	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone (MIK)	50	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0
Carbon Tetrachloride	5	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0
Chloroform	7	<1.0	<1.0	<1.0	<1.0
Chloromethane	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	5	**2.7**	**3.3**	**2.7**	**2.7**
cis-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**11.9**	**16.7**	**13.8**	**13.9**
Toluene	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	**45.1**	**55.6**	**44.5**	**45.0**
Trichlorotrifluoroethane (Freon 113)	5	**1.4 J**	**1.5 J**	**1.2 J**	**1.5 J**
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0
Xylene-o	5	<1.0	<1.0	<1.0	<1.0
Xylene-m,p	5	<1.0	<1.0	<1.0	<1.0
Total VOCs[4]		**67**	**84**	**67**	**68**
1,4-Dioxane[2]	NS	**7.06**	**7.03**	**7.44**	**6.86**

Notes and abbreviations on last page.

Table 4
Concentrations of Constituents in Remedial Wells and Treatment System Effluents, 2017, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

Constituents[1] (units in µg/L)	Location ID: Sample ID: Sample Date:	WELL 19 WELL 19 2/14/2017	WELL 19 WELL 19 6/27/2017	WELL 19 WELL 19 9/12/2017[5]	WELL 19 WELL 19 12/13/2017
Volatile Organic Compounds (VOCs)[2]					
	NYSDEC SCGs[3]				
1,1,1-Trichloroethane	5	**0.33 J**	**0.30 J**	**0.28 J**	**0.27 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	**0.71 J**	**0.76 J**	**0.66 J**	**0.68 J**
1,1-Dichloroethene	5	**1.5**	**1.9**	**1.4**	**1.5**
1,2-Dichloroethane	5	<1.0	**0.34 J**	**0.30 J**	**0.25 J**
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)	50	<10	<10	<10	<10
2-Hexanone (MBK)	50	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone (MIK)	50	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0
Carbon Tetrachloride	5	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0
Chloroform	7	**0.37 J**	**0.48 J**	**0.40 J**	**0.36 J**
Chloromethane	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	5	**16.1**	**19.4**	**16.5**	**15.1**
cis-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**6.6**	**6.0**	**6.7**	**6.4**
Toluene	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	**139**	**132**	**118**	**118**
Trichlorotrifluoroethane (Freon 113)	5	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0
Xylene-o	5	<1.0	<1.0	<1.0	<1.0
Xylene-m,p	5	<1.0	<1.0	<1.0	<1.0
Total VOCs[4]		**160**	**160**	**140**	**140**
1,4-Dioxane[2]	NS	**6.34**	**5.59**	**5.53**	**6.3**

Notes and abbreviations on last page.

Table 4
Concentrations of Constituents in Remedial Wells and Treatment System Effluents, 2017, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents[1] (units in µg/L)	Location ID: Sample ID: Sample Date:	102 EFFLUENT 102 EFFLUENT 2/14/2017	102 EFFLUENT 102 EFFLUENT 6/27/2017	102 EFFLUENT 102 EFFLUENT 9/12/2017[5]	102 EFFLUENT T102 EFFLUENT 12/21/2017
Volatile Organic Compounds (VOCs)[2]					
	NYSDEC SCGs[3]				
1,1,1-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)	50	<10	<10	<10	<10
2-Hexanone (MBK)	50	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone (MIK)	50	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0
Carbon Tetrachloride	5	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0
Chloroform	7	<1.0	<1.0	<1.0	<1.0
Chloromethane	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	<1.0	<1.0	<1.0	<1.0
Toluene	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	<1.0	<1.0	<1.0	<1.0
Trichlorotrifluoroethane (Freon 113)	5	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0
Xylene-o	5	<1.0	<1.0	<1.0	<1.0
Xylene-m,p	5	<1.0	<1.0	<1.0	<1.0
Total VOCs[4]		0.0	0.0	0.0	0.0
1,4-Dioxane[2]	NS	**6.13 J**	**6.82**	**7.02**	**6.49 J**

Notes and abbreviations on last page.

Table 4
Concentrations of Constituents in Remedial Wells and Treatment System Effluents, 2017, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

Notes and Abbreviations:

(1)	Results for the program are validated at 20% frequency, per protocols specified in OU2 Groundwater Monitoring Plan (Arcadis 2016c).
(2)	VOC samples analyzed using USEPA Method 8260C. 1,4-dioxane samples analyzed using using USEPA Method 52
(3)	SCG values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) that are based on the NYSDEC TOGs (NYSDEC 1998); most stringent values are listed.
(4)	Total VOC results rounded to two significant figures.
(5)	1,4 Dioxane sample collected on October 12, 2017.
	Compound detected in exceedance of NYSDEC SCG Criteria.
1.2	Bold value indicates a detection.
< 5.0	Compound is not detected above its laboratory quantification limit.
J	Constituent value is estimated.
µg/L	micrograms per liter
NS	None Specified
NYSDEC	New York State Department of Conservation
OU2	Operable Unit 2
REP	blind replicate sample
SCG	Standards, Criteria and Guidance value
TOGs	Technical and Operational Guidance Series
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

Table 5A
Summary of Infuent and Mid-Effluent Air Concentrations and Effluent Air Emissions[1,3]2017, Tower 96 Treatment System
Northrop Grumman Systems Corporation
Operable Unit 2, Bethpage, New York

Location ID:	96 INFLUENT	96 INFLUENT	96 INFLUENT
Sample ID:	T96 INFLUENT (AA)	T96 INFLUENT (AA)	T96 INFLUENT (AA)
Constituents (Units in µg/m^3)	2/14/2017	3/21/2017	4/14/2017
Volatile Organic Compounds (VOCs)[1]			
1,1,1-Trichloroethane	**20**	**15**	<71
1,1,2,2-Tetrachloroethane	<0.69	<0.69	<89
1,1,2-Trichloroethane	**2.3**	**2.1**	<71
1,1-Dichloroethane	**40**	**35**	<110
1,1-Dichloroethene	**132**	**97.9**	**105 J**
1,2-Dichloroethane	**2.2**	**2.5**	<110
1,2-Dichloropropane	**78.1**	**64.7**	**75.8 J**
Benzene	**1.4**	**1.6**	<86
Bromodichloromethane	<0.67	<0.67	<87
Bromoform	<0.41	<0.41	<55
Bromomethane	<0.78	<0.78	<100
Carbon Disulfide	<0.62	**0.21 J**	<84
Carbon Tetrachloride	**4.1**	**3.3**	<33
Chlorobenzene	**1.9**	**1.4**	<120
Chloroethane	**3.4**	**2.6**	<71
Chloroform	**9.8**	**8.3**	<130
Chloromethane	**0.91**	**1.1**	<56
cis-1,2-Dichloroethene[3]	--	--	--
cis-1,3-Dichloropropene	<0.91	<0.91	<120
Dibromochloromethane	<0.85	<0.85	<110
Ethylbenzene	<0.87	<0.87	<120
Methylene Chloride	**1.3**	**1.4**	<94
Styrene	<0.85	<0.85	<110
Tetrachloroethene	**1110**	**1650**	**936**
Toluene	**0.72 J**	**1.3**	<100
trans-1,2-Dichloroethene[3]	--	--	--
trans-1,3-Dichloropropene	<0.91	<0.91	<120
Trichloroethylene	**24300**	**23800**	**18200**
Trichlorotrifluoroethane (Freon 113)	**134**	**109**	**117**
Vinyl Chloride	**60.6**	**48.3**	**49.1**
Xylene-o	<0.87	<0.87	<120
Xylene-m,p	<0.87	**1.1**	<120
Total VOCs [2]	**25,903**	**25,847**	**19,483**

Notes and abbreviations on last page.

Table 5A
Summary of Infuent and Mid-Effluent Air Concentrations and Effluent Air Emissions[1,3]2017, Tower 96 Treatment System
Northrop Grumman Systems Corporation
Operable Unit 2, Bethpage, New York

Location ID:	96 INFLUENT	96 INFLUENT	96 INFLUENT	96 INFLUENT
Sample ID:	T96 INFLUENT (AA)	T96 INFLUENT (AA)	T96 INFLUENT (AA)	T96 INFLUENT (AA)
Constituents (Units in µg/m^3)	5/11/2017	6/30/2017	9/19/2017	12/13/2017
Volatile Organic Compounds (VOCs)[1]				
1,1,1-Trichloroethane	<76	<76	<22	<22
1,1,2,2-Tetrachloroethane	<96	<96	<27	<27
1,1,2-Trichloroethane	<76	<76	<22	<22
1,1-Dichloroethane	<110	<110	**40.9**	**36**
1,1-Dichloroethene	**120**	**86.4 J**	**99.5**	**107**
1,2-Dichloroethane	<110	<110	<32	<32
1,2-Dichloropropane	**87.8 J**	**73.0 J**	**88.7**	**81.8**
Benzene	<89	<86	<26	<26
Bromodichloromethane	<94	<94	<27	<27
Bromoform	<57	<56	<17	<17
Bromomethane	<110	<100	<31	<31
Carbon Disulfide	<87	<84	<25	<25
Carbon Tetrachloride	<35	<34	<10	<10
Chlorobenzene	<130	<120	<37	<37
Chloroethane	<74	<71	<21	<21
Chloroform	<140	<130	<39	<39
Chloromethane	<58	<56	<17	<17
cis-1,2-Dichloroethene[3]	--	--	--	**158**
cis-1,3-Dichloropropene	<130	<120	<36	<36
Dibromochloromethane	<120	<120	<34	<34
Ethylbenzene	<120	<120	<35	<35
Methylene Chloride	<97	<94	<28	<28
Styrene	<120	<110	<34	<34
Tetrachloroethene	**1410**	**909**	**667**	**929**
Toluene	<110	**31 J**	<30	<30
trans-1,2-Dichloroethene[3]	--	--	--	<32
trans-1,3-Dichloropropene	<130	<120	<36	<36
Trichloroethylene	**21600**	**19700**	**12100**	**18600**
Trichlorotrifluoroethane (Freon 113)	**130**	**124**	**121**	**121**
Vinyl Chloride	**50.6**	**50.4**	**49.6**	**42.9**
Xylene-o	<120	<120	<35	<35
Xylene-m,p	<120	<120	<35	<35
Total VOCs [2]	**23,398**	**20,974**	**13,167**	**20,076**

Notes and abbreviations on last page.

Table 5A
Summary of Infuent and Mid-Effluent Air Concentrations and Effluent Air Emissions[1,3]2017, Tower 96 Treatment System
Northrop Grumman Systems Corporation
Operable Unit 2, Bethpage, New York

Location ID:	96 MID-EFFLUENT	96 MID-EFFLUENT	96 MID-EFFLUENT	96 MID-EFFLUENT
Sample ID:	T96 MIDTRAIN (AA)	T96 MIDTRAIN (AA)	T96 MIDTRAIN (AA)	T96 MIDTRAIN (AA)
Constituents (Units in µg/m^3)	5/11/2017	6/27/2017	9/19/2017	12/13/2017
Volatile Organic Compounds (VOCs)[1]				
1,1,1-Trichloroethane	<22	<11	<16	<11
1,1,2,2-Tetrachloroethane	<27	<14	<21	<14
1,1,2-Trichloroethane	<22	<11	<16	<11
1,1-Dichloroethane	**51.4**	**30**	**33**	**34**
1,1-Dichloroethene	**174**	**103**	**88.8**	**109**
1,2-Dichloroethane	<32	<16	<24	<16
1,2-Dichloropropane	**37**	**18 J**	**31**	**29**
Benzene	<26	<13	<19	<13
Bromodichloromethane	<27	<13	<20	<13
Bromoform	<17	<8.3	<12	<8.3
Bromomethane	<31	<16	<23	<16
Carbon Disulfide	<25	<12	<18	<12
Carbon Tetrachloride	<10	<5.0	<7.5	<5.0
Chlorobenzene	<37	<18	<27	<18
Chloroethane	<21	<11	<16	<11
Chloroform	<39	<20	<29	**9.8 J**
Chloromethane	<17	<8.3	<12	<8.3
cis-1,2-Dichloroethene[3]	--	--	--	**145**
cis-1,3-Dichloropropene	<36	<18	<27	<18
Dibromochloromethane	<34	<17	<26	<17
Ethylbenzene	<35	<17	<26	<17
Methylene Chloride	<28	<14	<20	<14
Styrene	<34	<17	<25	<17
Tetrachloroethene	**155**	**63**	**138**	**205**
Toluene	<30	<15	<22	<15
trans-1,2-Dichloroethene[3]	--	--	--	<16
trans-1,3-Dichloropropene	<36	<18	<27	<18
Trichloroethylene	**4800 D**	**4030**	**6610**	**6610**
Trichlorotrifluoroethane (Freon 113)	**139**	**71**	**85.1**	**93.5**
Vinyl Chloride	**85.4**	**51.6**	**50.4**	**46.3**
Xylene-o	<35	<17	<26	<17
Xylene-m,p	<35	<17	<26	<17
Total VOCs [2]	**5,442**	**4,367**	**7,036**	**7,282**

Notes and abbreviations on last page.

Table 5A
Summary of Infuent and Mid-Effluent Air Concentrations and Effluent Air Emissions[1,3]2017, Tower 96 Treatment System
Northrop Grumman Systems Corporation
Operable Unit 2, Bethpage, New York

Location ID: / Sample ID: / Constituents (Units in µg/m^3)	96 SUP MIDTRAIN T96 SUP MIDTRAIN (AA) 2/14/2017	96 SUP MIDTRAIN T96 SUP MIDTRAIN (AA) 3/21/2017	96 SUP MIDTRAIN T96 SUP MIDTRAIN (AA) 9/19/2017	96 SUP MIDTRAIN T96 SUP MIDTRAIN (AA) 12/13/2017
Volatile Organic Compounds (VOCs)[1]				
1,1,1-Trichloroethane	<0.55	**5.5**	<11	<2.2
1,1,2,2-Tetrachloroethane	<0.69	<0.69	<14	<2.7
1,1,2-Trichloroethane	<0.55	<0.55	<11	<2.2
1,1-Dichloroethane	<0.81	**59.1**	**28**	**11**
1,1-Dichloroethene	**1.4**	**348**	**78.1**	**51.9**
1,2-Dichloroethane	<0.81	**1.5**	<16	<3.2
1,2-Dichloropropane	<0.92	**0.74 J**	**27**	<3.7
Benzene	<0.64	**0.35 J**	<13	<2.6
Bromodichloromethane	<0.67	<0.67	<13	<2.7
Bromoform	<0.41	<0.41	<8.3	<1.7
Bromomethane	<0.78	<0.78	<16	<3.1
Carbon Disulfide	<0.62	<0.62	<12	<2.5
Carbon Tetrachloride	<0.25	<0.25	<5.0	<1.0
Chlorobenzene	<0.92	<0.92	<18	<3.7
Chloroethane	**5.0**	**2.9**	<11	**3.4**
Chloroform	<0.98	**9.3**	<20	**2.1 J**
Chloromethane	**1.2**	**0.93**	<8.3	**1.4 J**
cis-1,2-Dichloroethene[3]	--	--	--	**39**
cis-1,3-Dichloropropene	<0.91	<0.91	<18	<3.6
Dibromochloromethane	<0.85	<0.85	<17	<3.4
Ethylbenzene	<0.87	**0.87**	<17	<3.5
Methylene Chloride	**3.2**	**1.1**	<14	<2.8
Styrene	<0.85	<0.85	<17	<3.4
Tetrachloroethene	**1.2**	**0.88**	**8.8**	<1.1
Toluene	<0.75	**4.9**	**17**	**80.6**
trans-1,2-Dichloroethene[3]	--	--	--	<3.2
trans-1,3-Dichloropropene	<0.91	<0.91	<18	<3.6
Trichloroethylene	**142**	**2580**	**3670**	**95.1**
Trichlorotrifluoroethane (Freon 113)	**2.3**	**79.7**	**75**	**7.3**
Vinyl Chloride	**86.1**	**50.6**	**48.1**	**41.9**
Xylene-o	<0.87	**9.6**	<17	<3.5
Xylene-m,p	<0.87	**16**	<17	<3.5
Total VOCs [2]	**242**	**3,172**	**3,952**	**334**

Notes and abbreviations on last page.

Table 5A
Summary of Infuent and Mid-Effluent Air Concentrations and Effluent Air Emissions[1,3]2017, Tower 96 Treatment System
Northrop Grumman Systems Corporation
Operable Unit 2, Bethpage, New York

Location ID: / Sample ID: / Constituents (Units in µg/m^3)	96 EFFLUENT T96 EFFLUENT (AA) 2/14/2017	96 EFFLUENT T96 EFFLUENT (AA) 3/21/2017	96 EFFLUENT T96 EFFLUENT (AA) 4/14/2017	96 EFFLUENT T96 EFFLUENT (AA) 5/11/2017[4]
Volatile Organic Compounds (VOCs)[1]				
1,1,1-Trichloroethane	<0.55	**5.5**	<71	R
1,1,2,2-Tetrachloroethane	<0.69	<0.69	<89	R
1,1,2-Trichloroethane	<0.55	<0.55	<71	R
1,1-Dichloroethane	<0.81	**57.5**	**73.3 J**	R
1,1-Dichloroethene	**1.1**	**158**	**133**	R
1,2-Dichloroethane	<0.81	**1.3**	<100	R
1,2-Dichloropropane	<0.92	**1.5**	<120	R
Benzene	<0.64	<0.64	<80	R
Bromodichloromethane	<0.67	<0.67	<87	R
Bromoform	<0.41	<0.41	<52	R
Bromomethane	<0.78	<0.78	<97	R
Carbon Disulfide	<0.62	<0.62	<78	R
Carbon Tetrachloride	<0.25	<0.25	<31	R
Chlorobenzene	<0.92	<0.92	<120	R
Chloroethane	**5.5**	**3.7**	<66	R
Chloroform	<0.98	**9.8**	<120	R
Chloromethane	**3.3**	**9.3**	<52	R
cis-1,2-Dichloroethene[3]	--	--	--	--
cis-1,3-Dichloropropene	<0.91	<0.91	<110	R
Dibromochloromethane	<0.85	<0.85	<110	R
Ethylbenzene	<0.87	<0.87	<110	R
Methylene Chloride	**2.3**	**1.3**	<87	R
Styrene	<0.85	<0.85	<110	R
Tetrachloroethene	**2.9**	**12**	<34	R
Toluene	<0.75	<0.75	<94	R
trans-1,2-Dichloroethene[3]	--	--	--	--
trans-1,3-Dichloropropene	<0.91	<0.91	<110	R
Trichloroethylene	**42**	**1280**	**16600**	R
Trichlorotrifluoroethane (Freon 113)	**0.77**	**82.8**	**284**	R
Vinyl Chloride	**16**	**12**	**49.6**	R
Xylene-o	<0.87	<0.87	<110	R
Xylene-m,p	<0.87	<0.87	**61.2 J**	R
Total VOCs [2]	**74**	**1,635**	**17,201**	R

Notes and abbreviations on last page.

Table 5A
Summary of Infuent and Mid-Effluent Air Concentrations and Effluent Air Emissions[1,3]2017, Tower 96 Treatment System
Northrop Grumman Systems Corporation
Operable Unit 2, Bethpage, New York

Location ID: Sample ID: Constituents (Units in µg/m^3)	96 EFFLUENT T96 EFFLUENT (AA) 6/27/2017	96 EFFLUENT T96 EFFLUENT (AA) 7/18/2017	96 EFFLUENT T96 EFFLUENT (AA) 9/19/2017	96 EFFLUENT T96 EFFLUENT (AA) 12/13/2017
Volatile Organic Compounds (VOCs)[1]				
1,1,1-Trichloroethane	**3.2**	<11	<16	<2.2
1,1,2,2-Tetrachloroethane	<0.69	<14	<21	<2.7
1,1,2-Trichloroethane	<0.55	<11	<16	<2.2
1,1-Dichloroethane	**36**	**35**	**38**	<3.2
1,1-Dichloroethene	**111**	**117**	**99.1**	**2.3**
1,2-Dichloroethane	**1.5**	<16	<24	<3.2
1,2-Dichloropropane	<0.92	<18	**26 J**	<3.7
Benzene	**16**	**38.3**	<19	<2.6
Bromodichloromethane	<0.67	<13	<20	<2.7
Bromoform	<0.41	<8.3	<12	<1.7
Bromomethane	<0.78	<16	<23	<3.1
Carbon Disulfide	<0.62	<12	<18	<2.5
Carbon Tetrachloride	**0.75**	<5.0	<7.5	<1.0
Chlorobenzene	<0.92	<18	<27	<3.7
Chloroethane	**4.0**	<11	<16	**2.9**
Chloroform	**10**	**10 J**	<29	<3.9
Chloromethane	**3.1**	<8.3	<12	**1.7**
cis-1,2-Dichloroethene[3]	--	--	--	<0.63
cis-1,3-Dichloropropene	<0.91	<18	<27	<3.6
Dibromochloromethane	<0.85	<17	<26	<3.4
Ethylbenzene	<0.87	<17	<26	<3.5
Methylene Chloride	**1.1**	<14	<20	<2.8
Styrene	<0.85	<17	<25	<3.4
Tetrachloroethene	**2.2**	<5.4	<8.1	<1.1
Toluene	**39.2**	**46.7**	**38.4**	**259**
trans-1,2-Dichloroethene[3]	--	--	--	<3.2
trans-1,3-Dichloropropene	<0.91	<18	<27	<3.6
Trichloroethylene	**591**	**3360**	**6130**	**10**
Trichlorotrifluoroethane (Freon 113)	**87.4**	**111**	**102**	<3.1
Vinyl Chloride	**55.5**	**52.1**	**67.7**	**36.3**
Xylene-o	<0.87	<17	<26	<3.5
Xylene-m,p	<0.87	<17	<26	<3.5
Total VOCs [2]	**962**	**3,770**	**6,501**	**312**

Notes and abbreviations on last page.

Table 5A
Summary of Infuent and Mid-Effluent Air Concentrations and Effluent Air Emissions[1,3]2017, Tower 96 Treatment System
Northrop Grumman Systems Corporation
Operable Unit 2, Bethpage, New York

Notes and Abbreviations:

(1)	Vapor samples collected by Arcadis on the dates shown and submitted to a NYSDOH ELAP certified laboratory for VOC analyses per Modified USEPA Method TO-15.
(2)	Total VOCs represents the sum of individual concentrations of compounds detected rounded to the nearest whole
(3)	Analytes cis- 1,2-dichloroethene, and trans- 1,2-dichloroethene were added to the sampling analyte list in October 2017.
(4)	The laboratory supplied flow controller/pressure gauge attached to the summa canister associated with sample location T96 EFFLUENT(AA) malfunctioned during the sampling event. The flow controller/pressure gauge used previously to collect sample location T96 INFLUENT(AA) was used to collect sample location T96 EFFLUENT(AA). Due to the fact that a designated flow controller/pressure gauge was not used to collect sample location T96 Effluent(AA); the sample results are considered unusable/rejected.
--	Not Analyzed
26	bold value indicates a detection
D	Concentration is based on a diluted sample analysis.
J	Compound detected below its reporting limit; value is estimated.
R	Sample result rejected
µg/m^3	micrograms per cubic meter
ELAP	Environmental Laboratory Approval Program
NYSDOH	New York State Department of Health
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

Table 5B
Summary of Influent Air Concentrations and Effluent Air Emissions [1] 2017,
Tower 102 Treatment System,
Northrop Grumman Systems Corporation,
Operable Unit 2, Bethpage, New York

Location ID:	102 INFLUENT	102 INFLUENT	102 INFLUENT	102 INFLUENT
Sample ID:	T102 INFLUENT (AA)	T102 INFLUENT (AA)	T102 INFLUENT (AA)	T102 INFLUENT (AA)
Constituents (Units in µg/m^3)	2/14/2017	6/30/2017	10/17/2017	12/21/2017
Volatile Organic Compounds (VOCs)[1]				
1,1,1-Trichloroethane	**41**	**39**	**23**	**16**
1,1,2,2-Tetrachloroethane	<0.69	<27	<0.69	<14
1,1,2-Trichloroethane	**2.1**	**<22**	**1.5**	<11
1,1-Dichloroethane	**88.2**	**78.9**	**53.4**	**38**
1,1-Dichloroethene	**222**	**164**	**115**	**74.9**
1,2-Dichloroethane	**6.1**	<32	**4.0**	<16
1,2-Dichloropropane	**6.0**	<37	**5.5**	<18
Benzene	**1.3**	**23 J**	**0.61 J**	<13
Bromodichloromethane	<0.67	<27	<0.67	<13
Bromoform	<0.41	<17	<0.41	<8.3
Bromomethane	<0.78	<31	<0.78	<16
Carbon Disulfide	<0.62	<25	<0.62	<12
Carbon Tetrachloride	**6.9**	<10	**4.8**	<5.0
Chlorobenzene	<0.92	<37	<0.92	<18
Chloroethane	<0.53	<21	<0.53	<11
Chloroform	**28**	**26 J**	**18**	**13**
Chloromethane	**0.95**	<17	**0.78**	<8.3
cis-1,2 Dichloroethene[3]	--	--	**396**	**370**
cis-1,3-Dichloropropene	<0.91	<36	<0.91	<18
Dibromochloromethane	<0.85	<34	<0.85	<17
Ethylbenzene	**0.74 J**	<35	<0.87	<17
Methylene Chloride	**1.1**	<28	**1.0**	<14
Styrene	<0.85	<34	<0.85	<17
Tetrachloroethene	**698**	**584**	**395**	**207**
Toluene	**2.7**	<30	<0.75	<15
trans-1,2-Dichloroethene[3]	--	--	**3.7**	<16
trans-1,3-Dichloropropene	<0.91	<36	<0.91	<18
Trichloroethylene	**7150**	**5480**	**3990**	**2340**
Trichlorotrifluoroethane (Freon 113)	**165**	**168**	**113**	**74**
Vinyl Chloride	**0.43**	<4.1	**0.28**	<2.0
Xylene-o	**6.1**	<35	<0.87	<17
Xylene-m,p	**10**	<35	<0.87	<17
Total VOCs [2]	**8,437**	**6,563**	**5,126**	**3,133**

Notes and abbreviations on last page.

Table 5B
Summary of Influent Air Concentrations and Effluent Air Emissions [1] 2017,
Tower 102 Treatment System,
Northrop Grumman Systems Corporation,
Operable Unit 2, Bethpage, New York

Location ID:	102 EFFLUENT	102 EFFLUENT	102 EFFLUENT	102 EFFLUENT
Sample ID:	T102 EFFLUENT (AA)	T102 EFFLUENT (AA)	T102 EFFLUENT (AA)	T102 EFFLUENT (AA)
Constituents (Units in µg/m^3)	2/14/2017	6/30/2017	10/17/2017	12/21/2017
Volatile Organic Compounds (VOCs)[1]				
1,1,1-Trichloroethane	<0.55	<5.5	**0.60**	**0.60**
1,1,2,2-Tetrachloroethane	<0.69	<6.9	<0.69	<0.69
1,1,2-Trichloroethane	<0.55	<5.5	<0.55	<0.55
1,1-Dichloroethane	**3.6**	<8.1	**19**	**21**
1,1-Dichloroethene	**19**	**48.4**	**103**	**126**
1,2-Dichloroethane	<0.81	**9.7**	<0.81	<0.81
1,2-Dichloropropane	<0.92	<9.2	<0.92	<0.92
Benzene	**3.8**	**83.1**	<0.64	<0.64
Bromodichloromethane	<0.67	<6.7	<0.67	<0.67
Bromoform	<0.41	<4.1	<0.41	<0.41
Bromomethane	**0.43 J**	<7.8	<0.78	<0.78
Carbon Disulfide	**16**	<6.2	<0.62	<0.62
Carbon Tetrachloride	<0.25	<2.5	<0.25	<0.25
Chlorobenzene	<0.92	<9.2	<0.92	<0.92
Chloroethane	<0.53	<5.3	<0.53	<0.53
Chloroform	**0.73 J**	<9.8	**3.2**	**2.9**
Chloromethane	**1.0**	<4.1	**0.81**	**1.2**
cis-1,2 Dichloroethene[3]	--	--	**39**	**35**
cis-1,3-Dichloropropene	<0.91	<9.1	<0.91	<0.91
Dibromochloromethane	<0.85	<8.5	<0.85	<0.85
Ethylbenzene	**2.2**	**11**	<0.87	<0.87
Methylene Chloride	**1.3**	<6.9	**9.4**	**0.90**
Styrene	<0.85	<8.5	<0.85	<0.85
Tetrachloroethene	**3.9**	**6.2**	**4.3**	<0.27
Toluene	**0.72 J**	**6.8 J**	<0.75	<0.75
trans-1,2-Dichloroethene[3]	--	--	**0.59 J**	**0.75 J**
trans-1,3-Dichloropropene	<0.91	<9.1	<0.91	<0.91
Trichloroethylene	**20**	**15**	**40**	**5.3**
Trichlorotrifluoroethane (Freon 113)	**4.2**	**7.4 J**	**22**	**28**
Vinyl Chloride	**0.46**	<1.0	**0.28**	<0.10
Xylene-o	<0.87	<8.7	<0.87	<0.87
Xylene-m,p	**4.0**	<8.7	<0.87	<0.87
Total VOCs [2]	**81**	**188**	**242**	**222**

Notes and abbreviations on last page.

Table 5B
Summary of Influent Air Concentrations and Effluent Air Emissions [1] 2017,
Tower 102 Treatment System,
Northrop Grumman Systems Corporation,
Operable Unit 2, Bethpage, New York

Notes and Abbreviations:

(1)	Vapor samples collected by Arcadis on the dates shown and submitted to a NYSDOH ELAP certified laboratory for VOC analyses per Modified USEPA Method TO-15.
(2)	Total VOCs represents the sum of individual concentrations of compounds detected rounded to the nearest whole number.
(3)	Analytes cis- 1,2-dichloroethene, and trans- 1,2-dichloroethene were added to the sampling analyte list in October 2017.
--	Not Analyzed
26	bold value indicates a detection
J	Compound detected below its reporting limit; value is estimated.
D	Concentration is based on a diluted sample analysis.
$\mu g/m^3$	micrograms per cubic meter
ELAP	Environmental Laboratory Approval Program
NYSDOH	New York State Department of Health
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

Table 10
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Shallow Zone [1], Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	FW-03 FW-03 4/17/2017	GM-15SR GM-15SR 6/28/2017	GM-15SR GM-15SR 11/2/2017	GM-15I GM-15I 6/28/2017	GM-15I GM-15I 11/2/2017	GM-17I GM-17I 5/2/2017	GM-17I GM-17I 11/1/2017	GM-18I GM-18I 7/11/2017	GM-18I GM-18I 10/31/2017	GM-20I GM-20I 4/25/2017	GM-21S GM-21S 6/21/2017	GM-74I GM-74I 5/2/2017
	NYSDEC SCGs (ug/L)[2]												
1,1,1-Trichloroethane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
1,1,2-Trichloroethane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
1,1-Dichloroethane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
1,1-Dichloroethene	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
1,2-Dichloroethane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
1,2-Dichloropropane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
2-Butanone	50	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	<10	<10	< 10
2-Hexanone	50	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0
4-methyl-2-pentanone	50	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0
Acetone	50	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	<10	<10	< 10
Benzene	1	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	<0.50	< 0.50
Bromodichloromethane	50	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Bromoform	50	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Bromomethane	5	<2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	<2.0	<2.0	< 2.0
Carbon Disulfide	50	<2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	<2.0	<2.0	< 2.0
Carbon tetrachloride	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Chlorobenzene	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Chloroethane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Chloroform	7	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Chloromethane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
cis-1,2-dichloroethene	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
cis-1,3-dichloropropene	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Dibromochloromethane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Ethylbenzene	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Methylene Chloride	5	<2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	<2.0	<2.0	< 2.0
Styrene	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Tetrachloroethene	5	**1.6**	< 1.0	< 1.0	**0.30 J**	**0.30 J**	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Toluene	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
trans-1,2-dichloroethene	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
trans-1,3-dichloropropene	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Trichloroethylene	5	**0.71 J**	**11.1**	**9.5**	**2.1**	**.63 J**	< 1.0	< 1.0	**0.96 J**	**0.62 J**	**0.68 J**	**0.42 J**	**0.60 J**
Trichlorotrifluoroethane (Freon 113)	5	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0
Vinyl Chloride	2	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Xylene-o	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
Xylenes - m,p	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0
TVOCs		**2.3**	**11**	**9.5**	**2.4**	**0.93**	**0**	**0**	**0.96**	**0.62**	**0.68**	**0.42**	**0.6**

See Notes and Abbreviations on Last Page

Table 10
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Shallow Zone [1], Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-74I GM-74I 10/25/2017	GM-78S GM-78S 6/22/2017	GM-78I GM-78I 5/5/2017	HN-40S HN-40S 4/19/2017	HN-40I HN-40I 4/19/2017	HN-42S HN-42S 6/22/2017	HN-42I HN-42I 4/19/2017	N-10631 N-10631 6/23/2017	N-10631 N-10631 11/13/2017	N-10631 REP111317DC1 11/13/2017
	NYSDEC SCGs (ug/L)[2]										
1,1,1-Trichloroethane	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	<2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	<2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	<1.0	< 1.0	**0.63 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	<2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	<1.0	**0.24 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**1.1**	**0.43 J**	**0.44 J**	< 1.0	< 1.0	< 1.0	**0.42 J**	**1.3**	**1.2**	**1.2**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**1.1**	**0.43**	**0.68**	**0.63**	0	0	**0.42**	**1.3**	**1.2**	**1.2**

See Notes and Abbreviations on Last Page

Table 10
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Shallow Zone [1], Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Notes and Abbreviations:

[1] Well identification (e.g., GM-15I) does not necessarily designate the actual hydrogeologic zone. Determination of the hydrogeologic zone is based on the well screen interval and the regional model layering.

[2] Standards, Criteria, and Guidance (SCG) values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) that are based on the NYSDEC TOGs (NYSDEC 1998); most stringent values are listed.

Results for the program are validated at 20% frequency, per protocols specified in OU2 Groundwater MonitoringPlan (Arcadis 2016)
Samples analyzed for the TCL VOCs using USEPA Method 8260C.
TVOCs are rounded to two significant figures.
Bold value indicates a detection.

NYSDEC	New York State Department of Environmental Conservation
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
TVOCs	Total Volatile Organic Compounds
REP	Blind Duplicate Sample
SCG	Standards, Criteria and Guidance Value
µg/L	micrograms per Liter
J	Value is estimated concentration
TCL	Target Compound List
TOGs	Technical and Operational Guidance Series
< 5.0	Compound not detected above its laboratory quantification limit.
	Compound detected in exceedance of NYSDEC SCG Criteria
OU2	Operable Unit 2

Table 11
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Intermediate Zone [1], Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-21I GM-21I 4/26/2017	HN-24I HN-24I 4/20/2017
	NYSDEC SCG (ug/L)[2]		
1,1,1-Trichloroethane	5	< 1.0	**0.45 J**
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	**1.1**
1,1-Dichloroethene	5	< 1.0	**3.7**
1,2-Dichloroethane	5	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0
2-Butanone	50	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0
Acetone	50	< 10	< 10
Benzene	1	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0
Chloroform	7	< 1.0	**0.60 J**
Chloromethane	5	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	**0.53 J**
cis-1,3-dichloropropene	5	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	**15.0**
Toluene	5	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0
Trichloroethylene	5	**0.67 J**	**11.2**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0
TVOCs		**0.67**	**33**

See Notes and Abbreviations on Last Page

Table 11
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Intermediate Zone [1], Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Notes and Abbreviations:

(1) Well identification (e.g., GM-21I) does not necessarily designate the actual hydrogeologic zone. Determination of the hydrogeologic zone is based on the well screen interval and the

(2) Standards, Criteria, and Guidance (SCG) values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) that are based on the NYSDEC TOGs (NYSDEC 1998); most stringent values are listed.

Results for the

Samples analyzed for the TCL VOCs using USEPA Method 8260C.

TVOCs are rounded to two significant figures.

Bold value indicates a detection.

NYSDEC	New York State Department of Environmental Conservation
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
TVOCs	Total Volatile Organic Compounds
SCG	Standards, Criteria and Guidance Value
µg/L	micrograms per Liter
J	Value is estimated concentration
TCL	Target Compound List
TOGs	Technical and Operational Guidance Series
< 5.0	Compound not detected above its laboratory quantification limit.
	Compound detected in exceedance of NYSDEC SCG Criteria
OU2	Operable Unit 2

Table 12
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-13D GM-13D 4/17/2017	GM-15D GM-15D 6/28/2017	GM-15D GM-15D 11/2/2017	GM-17D GM-17D 5/2/2017
	NYSDEC SCGs[2]				
1,1,1-Trichloroethane	5	**0.74 J**	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	**4.4**	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	5	**3.5**	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	**5.5**	< 1.0	< 1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	**45.6**	< 1.0	< 1.0	< 1.0
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**23.0**	< 1.0	**0.33 J**	**0.83 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**83**	0	**0.33**	**0.83**

See Notes and Abbreviations on last page.

Table 12
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-17D GM-17D 11/1/2017	GM-18D GM-18D 4/21/2017	GM-18D GM-18D 10/31/2017	GM-20D GM-20D 4/25/2017	GM-21D GM-21D 5/3/2017
	NYSDEC SCGs[2]					
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**0.5 J**	**0.52 J**	**0.63 J**	**1.0**	**1.5**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**0.50**	**0.52**	**0.63**	**1.0**	**1.5**

See Notes and Abbreviations on last page.

Table 12
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-36D GM-36D 6/19/2017	GM-37D GM-37D 7/11/2017	GM-38D GM-38D 5/1/2017	GM-38D GM-38D 10/24/2017	GM-39DA GM-39DA 5/3/2017
	NYSDEC SCGs[2]					
1,1,1-Trichloroethane	5	< 1.0	< 1.0	**0.36 J**	**0.32 J**	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	**0.29 J**	**0.64 J**	**0.50 J**	< 1.0
1,1-Dichloroethene	5	< 1.0	< 1.0	**0.69 J**	**0.65 J**	< 1.0
1,2-Dichloroethane	5	< 1.0	< 1.0	**0.44 J**	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	< 1.0	**0.54 J**	<1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	< 1.0	**5.8**	**5**	< 1.0
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	< 1.0	**8.0**	**85.7**	**89**	**1.6**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		0	**8.3**	**94**	**96**	**1.6**

See Notes and Abbreviations on last page.

Table 12
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-39DA GM-39DA 11/1/2017	GM-70D2 GM-70D2 4/24/2017	GM-74D GM-74D 5/2/2017	GM-74D GM-74D 10/25/2017	GM-79I GM-79I 6/28/2017
	NYSDEC SCGs[2]					
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	**2.4**	< 1.0	< 1.0	< 1.0
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**1.1**	**7.8**	**1.3**	**1.5**	**0.45 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**1.1**	**10**	**1.3**	**1.5**	**0.45**

See Notes and Abbreviations on last page.

Table 12
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-79I GM-79I 10/30/2017	GM-79D GM-79D 6/28/2017	GM-79D GM-79D 10/30/2017	N-10624 N-10624 6/21/2017	N-10627 N-10627 6/21/2017
	NYSDEC SCGs[2]					
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	**0.96 J**	**0.85 J**	< 1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**0.39 J**	**46.9**	**45.2**	**0.33 J**	**0.31 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**0.39**	**48**	**46**	**0.33**	**0.31**

See Notes and Abbreviations on last page.

Table 12
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep Zone[(1)], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Notes and Abbreviations:

(1) Well identification (e.g., GM-70D2) does not necessarily designate the actual hydrogeologic zone. Determination of the hydrogeologic zone is based on the well screen interval and the regional model layering.

(2) Standards, Criteria, and Guidance (SCG) values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) that are based on the NYSDEC TOGs (NYSDEC 1998); most stringent values are listed.

Results for the program are validated at 20% frequency, per protocols specified in OU2 Groundwater Monitoring Plan (Arcadis 2016)

Samples analyzed for the TCL VOCs using USEPA Method 8260C.

TVOCs are rounded to two significant figures.

Bold value indicates a detection.

NYSDEC	New York State Department of Environmental Conservation
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
TVOCs	Total Volatile Organic Compounds
µg/L	micrograms per liter
SCG	Standards, Criteria and Guidance Value
J	Value is estimated concentration.
OU2	Operable Unit 2
TCL	Target Compound List
TOGs	Technical and Operational Guidance Series
< 5.0	Compound not detected above its laboratory quantification limit.
	Compound detected in exceedance of NYSDEC SCG Criteria
REP	Blind duplicate sample

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-15D2 GM-15D2 6/28/2017	GM-15D2 GM-15D2 11/2/2017	GM-21D2 GM-21D2 5/19/2017	GM-21D2 GM-21D2 10/26/2017	GM-33D2 GM-33D2 6/12/2017
	NYSDEC SCGs[2]					
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	**0.37 J**	**0.35 J**	**0.22 J**	< 1.0	< 1.0
1,1-Dichloroethene	5	**0.95 J**	**0.72 J**	**0.58 J**	< 1.0	< 1.0
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	< 1.0	**0.62 J**	< 1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	**6.2**	**4.4**	**4.0**	**3.9**	**3.8**
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**10**	**8.1**	**21.0**	**16.1**	**16.3**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0	**6.4**
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**18**	**14**	**26**	**20**	**27**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-33D2 GM-33D2 10/19/2017	GM-34D GM-34D 6/26/2017	GM-34D GM-34D 10/31/2017	GM-34D2 GM-34D2 6/26/2017	GM-34D2 GM-34D2 10/31/2017
	NYSDEC SCGs[2]					
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	**0.51 J**	**0.53 J**	< 1.0	< 1.0
1,1-Dichloroethene	5	< 1.0	**2.2**	**2.0**	**0.73 J**	**0.48 J**
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	**0.42 J**	**0.35 J**	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	**8.8**	**7.2**	**1.8**	**2.2**
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	**3.8**	**7.7**	**8.5**	**6.6**	**4.2**
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	**0.80 J**
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**18.7**	**299**	**286 D**	**110**	**68.3**
Trichlorotrifluoroethane (Freon 113)	5	**6.9**	**2.1 J**	**3.7**	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**29**	**320**	**310**	**120**	**76**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-35D2 GM-35D2 4/24/2017	GM-35D2 GM-35D2 10/30/2017	GM-36D2 GM-36D2 6/19/2017	GM-37D2 GM-37D2 7/5/2017	GM-38D2 GM-38D2 5/2/2017
	NYSDEC SCGs[2]					
1,1,1-Trichloroethane	5	< 1.0	< 1.0	**0.45 J**	**0.45 J**	**0.96 J**
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	**0.38 J**
1,1-Dichloroethane	5	< 1.0	< 1.0	**0.92 J**	**1.5**	**1.8**
1,1-Dichloroethene	5	< 1.0	< 1.0	**0.89 J**	< 1.0	**1.8**
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0	**0.35 J**
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	**2.4**
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	**6.0**	**5.1**	< 1.0	< 1.0	< 1.0
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**38.4**	**33.7**	**3.0**	**1.6**	**306 D**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0	**1.4 J**
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**44**	**39**	**5.3**	**3.6**	**320**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-38D2 GM38D2 10/24/2017	GM-39DB GM-39DB 5/3/2017	GM-39DB GM-39DB 11/1/2017	GM-71D2 GM-71D2 4/26/2017
	NYSDEC SCGs[2]				
1,1,1-Trichloroethane	5	**0.83 J**	< 1.0	< 1.0	**1.7**
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	**1.6**	< 1.0	< 1.0	**5.3**
1,1-Dichloroethene	5	**1.8**	< 1.0	< 1.0	**2.9**
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	**0.30 J**	< 1.0	< 1.0	**0.49 J**
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	**2.0**	< 1.0	< 1.0	**0.61 J**
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**297 D**	**34.0**	**64.5**	**12.1**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**300**	**34**	**65**	**23**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-73D GM-73D 6/15/2017	GM-73D GM-73D 10/27/2017	GM-73D2 GM-73D2 4/14/2017	GM-73D2 GM-73D2 10/27/2017	GM-74D2 GM-74D2 4/14/2017	GM-74D2 GM-74D2 10/25/2017
	NYSDEC SCGs[2]						
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	< 1.0	**0.32 J**	**0.35 J**	**0.42 J**	**0.39 J**
1,1-Dichloroethene	5	< 1.0	< 1.0	**0.57 J**	**0.59 J**	**0.64 J**	**0.90 J**
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	**0.69 J**	**0.48 J**	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	< 1.0	**0.54 J**	< 1.0	< 1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	< 1.0	**2.7**	**2.3**	**3.5**	**3.3**
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**4.4**	**20.2**	**35.7**	**33.1**	**7.8**	**7.8**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**4.4**	**20**	**41**	**37**	**12**	**13**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-75D2 GM-75D2 6/12/2017	GM-75D2 GM-75D2 10/19/2017	GM-78D GM-78D 5/4/2017	GM-78D GM-78D 11/1/2017	GM-78D2 GM-78D2 5/4/2017
	NYSDEC SCGs[2]					
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	**1.0**	**0.82 J**	< 1.0	< 1.0	< 1.0
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**26.4**	**18.3**	**3.5**	**3.1**	**1.6**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**27**	**19**	**3.5**	**3.1**	**1.6**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-78D2 GM-78D2 11/1/2017	MW-3-1 MW-3-1 7/7/2017	MW-3-1 MW-3-1 11/3/2017
	NYSDEC SCGs[2]			
1,1,1-Trichloroethane	5	< 1.0	**0.63 J**	**0.58 J**
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	**2.8**	**3.5**
1,1-Dichloroethene	5	< 1.0	**2.5**	**2.2**
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	**0.28 J**	< 1.0
2-Butanone	50	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	**0.69 J**	< 1.0
Chloroform	7	< 1.0	**0.52 J**	**0.43 J**
Chloromethane	5	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	**18.8**	**12.6**
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	**11.3**	**10.6**
Toluene	5	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**1.4**	**119**	**94.0**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	**29.7**	**19.1**
Xylene-o	5	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0
TVOCs		**1.4**	**180**	**140**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	WELL 1 WELL 1 2/22/2017	WELL 1 WELL 1 6/27/2017	WELL 1 WELL 1 9/12/2017	WELL 1 WELL 1 12/13/2017
	NYSDEC SCGs[2]				
1,1,1-Trichloroethane	5	**0.35 J**	**0.32 J**	<4.0	**0.35 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<4.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<4.0	<1.0
1,1-Dichloroethane	5	**0.73 J**	**0.86 J**	<4.0	**0.77 J**
1,1-Dichloroethene	5	**2.7**	**3.3**	<4.0	**2.7**
1,2-Dichloroethane	5	<1.0	<1.0	<4.0	<1.0
1,2-Dichloropropane	5	**4.5**	**4.7**	**4.4**	**4.4**
2-Butanone	50	<10	<10	<40	<10
2-Hexanone	50	<5.0	<5.0	<20	<5.0
4-methyl-2-pentanone	50	<5.0	<5.0	<20	<5.0
Acetone	50	<10	<10	<40	<10
Benzene	1	<0.50	<0.50	<2.0	<0.50
Bromodichloromethane	50	<1.0	<1.0	<4.0	<1.0
Bromoform	50	<1.0	<1.0	<4.0	<1.0
Bromomethane	5	<2.0	<2.0	<8.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<8.0	<2.0
Carbon tetrachloride	5	<1.0	<1.0	<4.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<4.0	<1.0
Chloroethane	5	<1.0	<1.0	<4.0	<1.0
Chloroform	7	**0.32 J**	**0.32 J**	<4.0	**0.35 J**
Chloromethane	5	<1.0	<1.0	<4.0	<1.0
cis-1,2-dichloroethene	5	**4.8**	**5.7**	**4.9**	**5.3**
cis-1,3-dichloropropene	5	<1.0	<1.0	<4.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<4.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<4.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<8.0	<2.0
Styrene	5	<1.0	<1.0	<4.0	<1.0
Tetrachloroethene	5	**28.1**	**22.4**	**21.7**	**22.4**
Toluene	5	<1.0	<1.0	<4.0	<1.0
trans-1,2-dichloroethene	5	<1.0	<1.0	<4.0	<1.0
trans-1,3-dichloropropene	5	<1.0	<1.0	<4.0	<1.0
Trichloroethylene	5	**702**	**622**	**603**	**608**
Trichlorotrifluoroethane (Freon 113)	5	**4.3 J**	**4.1 J**	<20	**3.8 J**
Vinyl Chloride	2	<1.0	<1.0	<4.0	<1.0
Xylene-o	5	<1.0	<1.0	<4.0	<1.0
Xylenes - m,p	5	<1.0	<1.0	<4.0	<1.0
TVOCs		**750**	**660**	**630**	**650**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	WELL 3R WELL 3R 2/14/2017	WELL 3R WELL 3R 6/27/2017	WELL 3R WELL 3R 9/12/2017[5]	WELL 3R WELL 3R 12/13/2017
	NYSDEC SCGs[2]				
1,1,1-Trichloroethane	5	**0.78 J**	**0.61 J**	**0.68 J**	**0.68 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	**1.4**	**1.6**	**1.5**	**1.5**
1,1-Dichloroethene	5	**4.9**	**4.8**	**4.1**	**4.1**
1,2-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0
2-Butanone	50	<10	<10	<10	<10
2-Hexanone	50	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone	50	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0
Carbon tetrachloride	5	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0
Chloroform	7	<1.0	<1.0	<1.0	<1.0
Chloromethane	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-dichloroethene	5	**4.3**	**4.6**	**4.3**	**4.3**
cis-1,3-dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**30.9**	**27.1**	**30.5**	**27.8**
Toluene	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-dichloroethene	5	<1.0	<1.0	<1.0	<1.0
trans-1,3-dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	**498**	**397**	**365**	**362**
Trichlorotrifluoroethane (Freon 113)	5	**4.0 J**	**3.8 J**	**3.5 J**	**3.5 J**
Vinyl Chloride	2	**3.9**	**3.5**	**2.7**	**2.1**
Xylene-o	5	<1.0	<1.0	<1.0	<1.0
Xylenes - m,p	5	<1.0	<1.0	<1.0	<1.0
TVOCs		**550**	**440**	**410**	**400**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	WELL 17 WELL 17 2/14/2017	WELL 17 WELL 17 6/29/2017	WELL 17 WELL 17 9/12/2017[5]	WELL 17 WELL 17 12/13/2017	WELL 18 WELL 18 2/14/2017
	NYSDEC SCGs[2]					
1,1,1-Trichloroethane	5	**0.28 J**	<1.0	**0.25 J**	**0.29 J**	**0.43 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	**0.89 J**	**0.95 J**	**0.86 J**	**0.91 J**	**1.2**
1,1-Dichloroethene	5	**1.9**	**1.8**	**1.7**	**1.8**	<1.0
1,2-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<1.0	<1.0	**0.27 J**	<1.0	<1.0
2-Butanone	50	<10	<10	<10	<10	<10
2-Hexanone	50	<5.0	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone	50	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0	<2.0
Carbon tetrachloride	5	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	7	**0.24 J**	<1.0	<1.0	<1.0	<1.0
Chloromethane	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-dichloroethene	5	**2.8**	**3.0**	**2.8**	**3.0**	**2.1**
cis-1,3-dichloropropene	5	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**23.3**	**22.0**	**21.6**	**21.8**	**13.0**
Toluene	5	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-dichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-dichloropropene	5	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	**116**	**116**	**105**	**116**	**46.1**
Trichlorotrifluoroethane (Freon 113)	5	**3.3 J**	**3.4 J**	**2.8 J**	**3.3 J**	**1.3 J**
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0	<1.0
Xylene-o	5	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes - m,p	5	<1.0	<1.0	<1.0	<1.0	<1.0
TVOCs		**150**	**150**	**130**	**150**	**64**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	WELL 18 WELL 18 6/27/2017	WELL 18 WELL 18 9/12/2017[5]	WELL 18 WELL 18 12/13/2017
	NYSDEC SCGs[2]			
1,1,1-Trichloroethane	5	**0.44 J**	**0.42 J**	**0.51 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	**1.3**	**1.2**	**1.4**
1,1-Dichloroethene	5	**4.0**	**3.1**	**3.4**
1,2-Dichloroethane	5	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<1.0	<1.0	<1.0
2-Butanone	50	<10	<10	<10
2-Hexanone	50	<5.0	<5.0	<5.0
4-methyl-2-pentanone	50	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0
Carbon tetrachloride	5	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0
Chloroform	7	<1.0	<1.0	<1.0
Chloromethane	5	<1.0	<1.0	<1.0
cis-1,2-dichloroethene	5	**2.7**	**2.7**	**2.7**
cis-1,3-dichloropropene	5	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0
Tetrachloroethene	5	**11.9**	**13.8**	**13.9**
Toluene	5	<1.0	<1.0	<1.0
trans-1,2-dichloroethene	5	<1.0	<1.0	<1.0
trans-1,3-dichloropropene	5	<1.0	<1.0	<1.0
Trichloroethylene	5	**45.1**	**44.5**	**45.0**
Trichlorotrifluoroethane (Freon 113)	5	**1.4 J**	**1.2 J**	**1.5 J**
Vinyl Chloride	2	<1.0	<1.0	<1.0
Xylene-o	5	<1.0	<1.0	<1.0
Xylenes - m,p	5	<1.0	<1.0	<1.0
TVOCs		**67**	**67**	**68**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	WELL 19 WELL 19 2/14/2017	WELL 19 WELL 19 6/27/2017	WELL 19 WELL 19 9/12/2017[5]	WELL 19 WELL 19 12/13/2017
	NYSDEC SCGs[2]				
1,1,1-Trichloroethane	5	**0.33 J**	**0.30 J**	**0.28 J**	**0.27 J**
1,1,2,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	**0.71 J**	**0.76 J**	**0.66 J**	**0.68 J**
1,1-Dichloroethene	5	**1.5**	**1.9**	**1.4**	**1.5**
1,2-Dichloroethane	5	<1.0	**0.34 J**	**0.30 J**	**0.25 J**
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0
2-Butanone	50	<10	<10	<10	<10
2-Hexanone	50	<5.0	<5.0	<5.0	<5.0
4-methyl-2-pentanone	50	<5.0	<5.0	<5.0	<5.0
Acetone	50	<10	<10	<10	<10
Benzene	1	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<2.0	<2.0	<2.0	<2.0
Carbon Disulfide	50	<2.0	<2.0	<2.0	<2.0
Carbon tetrachloride	5	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0
Chloroform	7	**0.37 J**	**0.48 J**	**0.40 J**	**0.36 J**
Chloromethane	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-dichloroethene	5	**16.1**	**19.4**	**16.5**	**15.1**
cis-1,3-dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**6.6**	**6.0**	**6.7**	**6.4**
Toluene	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-dichloroethene	5	<1.0	<1.0	<1.0	<1.0
trans-1,3-dichloropropene	5	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	5	**139**	**132**	**118**	**118**
Trichlorotrifluoroethane (Freon 113)	5	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0
Xylene-o	5	<1.0	<1.0	<1.0	<1.0
Xylenes - m,p	5	<1.0	<1.0	<1.0	<1.0
TVOCs		**170**	**160**	**140**	**140**

See Notes and Abbreviations on last page.

Table 13
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 2 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Notes and Abbreviations:

(1) Well identification (e.g., GM-34D) does not necessarily designate the actual hydrogeologic zone. Determination of the hydrogeologic zone is based on the well screen interval and the regional model layering.

(2) Standards, Criteria, and Guidance (SCG) values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) that are based on the NYSDEC TOGs (NYSDEC 1998); most stringent values are listed.

Results for the program are validated at 20% frequency, per protocols specified in OU2 Groundwater MonitoringPlan (Arcadis 2016)
Samples analyzed for the TCL VOCs using USEPA Method 8260C.
TVOCs are rounded to two significant figures.
Bold value indicates a detection.

NYSDEC	New York State Department of Environmental Conservation
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
TVOCs	Total Volatile Organic Compounds
µg/L	micrograms per liter
SCG	Standards, Criteria and Guidance Value
D	Sample is diluted
J	Value is estimated concentration.
	Compound detected in exceedance of NYSDEC SCG Criteria

Table 14
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 3 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	GM-73D3 GM-73D3 6/29/2017	GM-73D3 GM-73D3 10/27/2017	GM-74D3 GM-74D3 7/10/2017	GM-74D3 GM-74D3 10/25/2017
	NYSDEC SCGs[2]				
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	50	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	50	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	50	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	**0.98 J**	**3.0**	**3.5**
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	5	**1.5**	**1.8**	**5.8**	**5.85**
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes - m,p	5	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**1.5**	**2.8**	**8.8**	**9.4**

See Notes and Abbreviations on Last Page

Table 14
Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells in the Deep 3 Zone[1], Operable Unit 2, Northrop Grumman Systems Corporation Bethpage, New York.

Notes and Abbreviations:

(1) Well identification (e.g., GM-73D3) does not necessarily designate the actual hydrogeologic zone. Determination of the hydrogeologic zone is based on the well screen interval and the regional model layering.

(2) Standards, Criteria, and Guidance (SCG) values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) that are based on the NYSDEC TOGs (NYSDEC 1998); most stringent values are listed.

Results for the program are validated at 20% frequency, per protocols specified in OU2 Groundwater MonitoringPlan (Arcadis 2016)
Samples analyzed for the TCL VOCs using USEPA Method 8260C.
TVOCs are rounded to two significant figures.
Bold value indicates a detection.

NYSDEC	New York State Department of Environmental Conservation
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
TVOCs	Total Volatile Organic Compounds
µg/L	micrograms per liter
SCG	Standards, Criteria and Guidance Value
J	Value is estimated concentration.
OU2	Operable Unit 2
TCL	Target Compound List
TOGs	Technical and Operational Guidance Series
< 5.0	Compound not detected above its laboratory quantification limit
	Compound detected in exceedance of NYSDEC SCG Criteria

Table 15
Concentrations of Volatile Organic Compounds
in Outpost Wells [1] ,2017
Operable Unit 2 Northrop Grumman Systems Corporation
Bethpage, New York

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	BPOW 1-1 BPOW 1-1 6/19/2017	BPOW 1-1 BPOW 1-1 11/3/2017	BPOW 1-2 BPOW 1-2 6/13/2017	BPOW 1-2 BPOW 1-2 11/2/2017	BPOW 1-3 BPOW 1-3 6/13/2017
	NYSDEC SCG (ug/L)[2]					
1,1,1-Trichloroethane	5	**0.20 J**	**0.44 J**	**0.23 J**	**0.22 J**	< 0.50
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	5	< 0.50	**0.16 J**	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	5	< 0.50	**0.46 J**	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone (MEK)	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl N-Butyl Ketone (2-Hexanone)	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
4-Methyl-2-Pentanone	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Acetone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene Chloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	5	**1.0**	**1.1**	**0.88**	**0.90**	< 0.50
Trichlorotrifluoroethane (Freon)	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m,p-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs		**1.2**	**2.2**	**1.1**	**1.1**	0

Notes and abbreviations on last page.

Table 15
Concentrations of Volatile Organic Compounds
in Outpost Wells [1] ,2017
Operable Unit 2 Northrop Grumman Systems Corporation
Bethpage, New York

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	BPOW 1-3 BPOW 1-3 11/3/2017	BPOW 1-4 BPOW 1-4 6/12/2017	BPOW 1-4 BPOW 1-4 11/8/2017	BPOW 1-5 BPOW 1-5 6/12/2017	BPOW 1-5 BPOW 1-5 11/8/2017
	NYSDEC SCG (ug/L)[2]					
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone (MEK)	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl N-Butyl Ketone (2-Hexanone)	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
4-Methyl-2-Pentanone	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Acetone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene Chloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	5	< 0.50	< 0.50	**0.20 J**	< 0.50	< 0.50
trans-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m,p-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs		0	0	**0.20**	0	0

Notes and abbreviations on last page.

Table 15
Concentrations of Volatile Organic Compounds in Outpost Wells [1] ,2017
Operable Unit 2 Northrop Grumman Systems Corporation
Bethpage, New York

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	BPOW 1-6 BPOW 1-6 6/27/2017	BPOW 1-6 BPOW 1-6 11/8/2017	BPOW 2-1 BPOW 2-1 2/21/2017	BPOW 2-1 BPOW 2-1 5/10/2017	BPOW 2-1 BPOW 2-1 9/12/2017
	NYSDEC SCG (ug/L)[2]					
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone (MEK)	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl N-Butyl Ketone (2-Hexanone)	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
4-Methyl-2-Pentanone	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Acetone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene Chloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m,p-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs		0	0	0	0	0

Notes and abbreviations on last page.

Table 15
Concentrations of Volatile Organic Compounds in Outpost Wells [1] ,2017
Operable Unit 2 Northrop Grumman Systems Corporation
Bethpage, New York

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	BPOW 2-1 BPOW 2-1 10/23/2017	BPOW 2-2 BPOW 2-2 2/21/2017	BPOW 2-2 BPOW 2-2 5/10/2017	BPOW 2-2 BPOW 2-2 9/12/2017	BPOW 2-2 BPOW 2-2 10/23/2017
	NYSDEC SCG (ug/L)[2]					
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone (MEK)	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl N-Butyl Ketone (2-Hexanone)	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
4-Methyl-2-Pentanone	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Acetone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene Chloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m,p-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs		0	0	0	0	0

Notes and abbreviations on last page.

Table 15
Concentrations of Volatile Organic Compounds in Outpost Wells [1] ,2017
Operable Unit 2 Northrop Grumman Systems Corporation
Bethpage, New York

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	BPOW 2-3 BPOW 2-3 2/22/2017	BPOW 2-3 BPOW 2-3 5/9/2017	BPOW 2-3 BPOW 2-3 9/20/2017	BPOW 2-3 BPOW 2-3 10/23/2017	BPOW 3-1 BPOW 3-1 7/6/2017
	NYSDEC SCG (ug/L)[2]					
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1-Dichloroethane	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
2-Butanone (MEK)	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl N-Butyl Ketone (2-Hexanone)	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
4-Methyl-2-Pentanone	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Acetone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	1	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Bromodichloromethane	50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Bromoform	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Chloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	7	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Chloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
cis-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Dibromochloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Methylene Chloride	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Styrene (Monomer)	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
trans-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
trans-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Trichloroethene	5	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m,p-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs		0	0	0	0	0

Notes and abbreviations on last page.

Table 15
Concentrations of Volatile Organic Compounds
in Outpost Wells [1] ,2017
Operable Unit 2 Northrop Grumman Systems Corporation
Bethpage, New York

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	BPOW 3-1 REP070617PP1 11/6/2017	BPOW 3-1 BPOW 3-1 11/6/2017	BPOW 3-2 BPOW 3-2 7/6/2017	BPOW 3-2 BPOW 3-2 11/14/2017	BPOW 3-3 BPOW 3-3 6/14/2017
	NYSDEC SCG (ug/L)[2]					
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone (MEK)	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl N-Butyl Ketone (2-Hexanone)	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
4-Methyl-2-Pentanone	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Acetone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene Chloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m,p-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs		0	0	0	0	0

Notes and abbreviations on last page.

Table 15
Concentrations of Volatile Organic Compounds in Outpost Wells [1] ,2017
Operable Unit 2 Northrop Grumman Systems Corporation
Bethpage, New York

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	BPOW 3-3 BPOW 3-3 11/10/2017	BPOW 3-4 BPOW 3-4 6/14/2017	BPOW 3-4 BPOW 3-4 11/10/2017	BPOW 4-1R BPOW 4-1R 5/26/2017	BPOW 4-1R BPOW 4-1R 11/6/2017
	NYSDEC SCG (ug/L)[2]					
1,1,1-Trichloroethane	5	< 0.50	**0.13 J**	**0.26 J**	0.18 J	< 0.50
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	**0.79**	1.4	< 0.50	< 0.50
1,1-Dichloroethane	5	< 0.50	**0.21 J**	0.43 J	< 0.50	< 0.50
1,1-Dichloroethene	5	< 0.50	**1.6**	**3.2**	**1.0**	**0.28 J**
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone (MEK)	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl N-Butyl Ketone (2-Hexanone)	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
4-Methyl-2-Pentanone	50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Acetone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	**0.87**	**1.3**	0.33 J	< 0.50
Chlorobenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	7	< 0.50	**1.4**	**2.5**	**0.81**	**0.61**
Chloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	5	< 0.50	**1.2**	1.8	< 0.50	< 0.50
cis-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene Chloride	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	5	< 0.50	**77.3**	**106 D**	**0.84**	**0.28 J**
Trichlorotrifluoroethane (Freon)	5	< 1.0	**1.2**	**2.7**	**26.6**	**8.7**
Vinyl chloride	2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
m,p-Xylene	5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs		**0**	**85**	**120**	**29**	**9.9**

Notes and abbreviations on last page.

Table 15
Concentrations of Volatile Organic Compounds in Outpost Wells [1] ,2017
Operable Unit 2 Northrop Grumman Systems Corporation
Bethpage, New York

Constituents units in (ug/L)	Well ID: Sample ID: Sample Date:	BPOW 4-1R REP110617AR1 11/6/2017	BPOW 4-2R BPOW 4-2R 6/20/2017	BPOW 4-2R BPOW 4-2R 11/7/2017
	NYSDEC SCG (ug/L)[2]			
1,1,1-Trichloroethane	5	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	5	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	5	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	5	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	5	**0.32 J**	< 0.50	**0.25 J**
1,2-Dichloroethane	5	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	5	< 0.50	< 0.50	< 0.50
2-Butanone (MEK)	50	< 5.0	< 5.0	< 5.0
Methyl N-Butyl Ketone (2-Hexanone)	50	< 2.0	< 2.0	< 2.0
4-Methyl-2-Pentanone	50	< 2.0	< 2.0	< 2.0
Acetone	50	< 5.0	< 5.0	< 5.0
Benzene	1	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 0.50	< 0.50	< 0.50
Bromoform	50	< 0.50	< 0.50	< 0.50
Bromomethane	5	< 0.50	< 0.50	< 0.50
Carbon Disulfide	50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	5	< 0.50	< 0.50	< 0.50
Chlorobenzene	5	< 0.50	< 0.50	< 0.50
Chloroethane	5	< 0.50	< 0.50	< 0.50
Chloroform	7	0.69	< 0.50	< 0.50
Chloromethane	5	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50
Dibromochloromethane	5	< 0.50	< 0.50	< 0.50
Ethylbenzene	5	< 0.50	< 0.50	< 0.50
Methylene Chloride	5	< 0.50	< 0.50	< 0.50
Styrene (Monomer)	5	< 0.50	< 0.50	< 0.50
Tetrachloroethene	5	< 0.50	< 0.50	< 0.50
Toluene	5	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	5	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	5	< 0.50	< 0.50	< 0.50
Trichloroethene	5	**0.25 J**	**0.60**	**0.92**
Trichlorotrifluoroethane (Freon)	5	**10.1**	**2.5**	**5.8**
Vinyl chloride	2	< 0.50	< 0.50	< 0.50
o-Xylene	5	< 0.50	< 0.50	< 0.50
m,p-Xylene	5	< 0.50	< 0.50	< 0.50
TVOCs		**11**	**3.1**	**7.0**

Notes and abbreviations on last page.

Table 15
Concentrations of Volatile Organic Compounds
in Outpost Wells [1] ,2017
Operable Unit 2 Northrop Grumman Systems Corporation
Bethpage, New York

Notes and Abbreviations:

(1) These outpost wells have been recently repurposed for use as plume monitoring wells per the June 2015 Groundwater Monitoring Plan Addendum (ARCADIS of New York, Inc., 2015) as conditionally approved by the NYSDEC (August 25, 2015). Therefore, TVOC trigger levels that may have been previously established are no longer shown.

(2) Standards Critieria and Guidance (SCGs) values based on the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller, Inc. 2000) are based on the NYSDEC TOGs (NYSDEC 1998); most stringent values listed.

(3) The NAVY abandoned original Wells BPOW4-1 and BPOW4-2 and installed replacement Wells BPOW4-1R and BPOW4-2R between August, 2014 and October, 2014.

Samples were analyzed for VOCs using USEPA Method 524.2

Results for the program are validated at 20% frequency, per protocols specified in OU2 Groundwater MonitoringPlan (Arcadis 2016)

TVOCs are rounded to two significant figures.

Bold value indicates constituent detected.

	Compound detected in exceedance of NYSDEC SCG Criteria
D	Value from Secondary Dilution
NYSDEC	New York State Department of Environmental Conservation
TVOCs	Total Volatile Organic Compounds
TOGs	Technical and Operational Guidance Series
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds
µg/L	micrograms per liter
<0.5	Compound not detected above its laboratory quantification limit.
SCG	Standards, Criteria and Guidance Value
J	Value is estimated concentration

Mr. Jason Pelton
Project Manager
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ENVIRONMENT

Subject:
2017 Annual Summary Report - Operation, Maintenance, and Monitoring Report for the Bethpage Park Groundwater Containment System (BPGWCS), Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York, NYSDEC Site #1-30-003A.

Date:
March 30, 2018

Contact:
Christopher Engler

Phone:
315.409.6579

Email:
christopher.engler@arcadis.com

Our ref:
NY001496.32TM.RPTI4

Dear Jason:

Enclosed is one electronic PDF copy of the 2017 Annual Summary Report for the BPGWCS, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. Additionally, the enclosed summarizes the operation, maintenance and monitoring activities performed during the 2017 reporting period (i.e., January 1 through December 31, 2017). As we have transitioned to electronic submittals (via PDF) in line with NYSDEC's paper reduction program, hard copies of the report can be provided on request.

If you have any questions, please do not hesitate to contact us.

Sincerely,

Arcadis of New York, Inc.



Christopher Engler, PE
New York PE-069748

Vice President

Enclosure

Table 10
Summary of Remedial Well Groundwater Sample Analytical Results - VOCs
Bethpage Park Groundwater Containment System
Operable Unit 3 (Former Grumman Settling Ponds)
Bethpage, New York

Compound[1] (µg/L)	Sample Location: Sample Date: NYSDEC SCGs	RW-1 3/17/2017	RW-1 6/16/2017	RW-1 8/16/2017	RW-1 11/29/2017	RW-2 3/17/2017	RW-2 6/16/2017	RW-2 8/16/2017	RW-2 11/29/2017	RW-3 3/17/2017	RW-3 6/16/2017	RW-3 8/16/2017	RW-3 11/29/2017	RW-4 3/17/2017	RW-4 6/16/2017	RW-4 8/16/2017	RW-4 11/29/2017
Project VOCs																	
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	**0.81 J**	**0.58 J**	**0.34 J**	**0.48 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.34 J**	< 1.0	**0.27 J**
1,2-Dichloroethane	0.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	**0.37 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.26 J**	< 1.0	< 1.0	< 1.0	**0.52 J**	**0.65 J**	**0.54 J**	**0.51 J**
Trichloroethylene	5	< 1.0	< 1.0	< 1.0	< 1.0	**13.6**	**12.1**	**10.4**	**11.4**	**2.2**	**2.2**	**1.7**	**1.8**	**0.54 J**	**0.52 J**	**0.45 J**	**0.46 J**
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	**23.9**	**15.2**	**6.7**	**15.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	**30.9**	**18.9**	**14.8**	**19.4**	**2.0**	**1.6**	**1.2**	**1.1**	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.43 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	5	< 1.0	< 1.0	< 1.0	< 1.0	**2.6**	**0.41 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylene-o	5	< 1.0	< 1.0	< 1.0	< 1.0	**0.32 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes-m,p	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Subtotal Project VOCs		0.0	0.0	0.0	0.0	72.5	47.2	32.2	46.7	4.5	3.8	2.9	2.9	1.1	1.5	1.0	1.2
Non-Project VOCs																	
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Butadiene	0.5	NA	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0
2-Butanone	NE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	NE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0 J
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide	60	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane (Freon 22)	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**2.9 J**	**2.8 J**	**2.2 J**	**2.1 J**	**8.8**	**9.3**	**6.7**	**6.9**
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	< 1.0	< 1.0	**2.5**	**2.4**	**1.7**	**1.4**	**1.3**	**1.2**	**0.94 J**	**0.83 J**	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-dichloropropene	0.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane (Freon 12)	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Dichloromethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	**0.78 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl tert-Butyl Ether	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-dichloropropene	0.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane (Freon 11)	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Trichlorotrifluoroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1-Chloro-1,1-difluoroethane (Freon 142b)	NE	NA	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0
Subtotal Non-Project VOCs		0.0	0.0	0.0	0.0	3.3	2.4	1.7	1.4	4.2	4.0	3.2	2.9	8.8	9.3	6.7	6.9
Total VOCs[2]		0.0	0.0	0.0	0.0	75.8	49.6	33.9	48.1	8.7	7.8	6.0	5.83	9.9	10.8	7.7	8.1
1,4-Dioxane[3]		0.758	0.695	0.652	0.737	1.97	1.76	1.27	1.38	0.663	0.612	0.491	0.522	0.238	0.227	0.214	0.238

Notes and abbreviations on last page.

Table 10
Summary of Remedial Well Groundwater Sample Analytical Results - VOCs
Bethpage Park Groundwater Containment System
Operable Unit 3 (Former Grumman Settling Ponds)
Bethpage, New York

Abbreviations, Notes, Qualifiers, and Units:

ASP	Analytical Services Protocol
ELAP	Environmental Laboratory Approval Program
NA	Not Analyzed
NE	Not Established
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OLM	Ozone Limited Method
OM&M	Operation, Maintenance, and Monitoring
SCGs	Standards, Criteria, and Guidance values
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

1. Water samples collected by Arcadis on the dates shown and submitted to a NYSDOH ELAP certified laboratory for VOC analyses per NYSDEC ASP 2005, Method OLM 4.3 (prior to September 1, 2014) and per EPA Method 8260C (after September 1, 2014). Results validated following protocols specified in Sampling and Analysis Plan in the DRAFT Bethpage Park Groundwater Containment System OM&M Manual (Arcadis 2016). See previous quarterly reports for historical analytical results.
2. "Total VOCs" represents the sum of individual concentrations of the VOCs detected.
3. Samples collected were analyzed for 1,4-Dioxane using USEPA Method 522.

	Bold cell outline indicates an exceedance of an SCG
700	Bold data indicates a detection
< 5	Compound not detected above its laboratory quantification limit
J	Compound detected below its reporting limit; value is estimated
µg/L	micrograms per liter

Table 11
Summary of Remedial Well Groundwater Sample Analytical Results - Metals
Bethpage Park Groundwater Containment System
Operable Unit 3 (Former Grumman Settling Ponds)
Bethpage, New York

COMPOUND[1] (µg/L)	NYSDEC SCGs	RW-1[2] 8/16/2017	RW-2[2] 8/16/2017	RW-3[2] 8/16/2017	RW-4[2] 8/16/2017
Total Cadmium	5	< 3.0	< 3.0	< 3.0	< 3.0
Dissolved Cadmium	5	< 3.0	< 3.0	< 3.0	< 3.0
Total Chromium	50	**36.4**	< 10	< 10	< 10
Dissolved Chromium	50	**34.4**	< 10	< 10	< 10
Total Iron	600	< 100	**719**	< 100	< 100
Dissolved Iron	600	< 100	**588**	< 100	< 100

Abbreviations, Notes, Qualifiers, and Units:

ELAP	Environmental Laboratory Approval Program
NS	Not Specified
NYSDEC	New York State Department of Environmental Conservation.
NYSDOH	New York State Department of Health
SCGs	Standards, Criteria, and Guidance values
USEPA	United States Environmental Protection Agency

1. Water samples collected by Arcadis on the dates shown and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for metals analysis using USEPA Method 6010. Results validated following protocols specified in Sampling and Analysis Plan in the DRAFT Bethpage Park Groundwater Containment System OM&M Manual (Arcadis 2016).
2. Beginning August 2017, metals analyses for recovery wells RW-1 through RW-4 are included with annual recovery well sampling performed in the third quarter of each year.

	Indicates an exceedance of an SCG.
719	Bold data indicates that the analyte was detected at or above its reporting limit.
< 5	Compound not detected above its laboratory quantification limit.
µg/L	micrograms per liter

Table 13
Summary of Monitoring Well Groundwater Sample Analytical Results - VOCs and 1,4-Dioxane
Bethpage Park Grondwater Containment System
Operable Unit 3 (Former Settling Ponds)
Bethpage, New York

Compound [1, 2] (units in µg/L)	Sample Location: Sample Date:	B24MW-2 12/29/2016	B24MW-2 8/4/2017	B24MW-3 1/20/2017	B24MW-3 8/2/2017	B30MW-1 1/4/2017	B30MW-1 8/3/2017
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1,2,2-Tetrachloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1,2-Trichloroethane	1	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1-Dichloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,2-Dichloroethane	0.6	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,2-Dichloropropane	1	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
2-Btanone	NE	< 10	*< 10*	< 10	*< 10*	< 10	*< 10*
2-Hexanone	50	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
4-Methyl-2-Pentanone	50	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
Acetone	NE	< 10	*< 10*	< 10	*< 10*	< 10	*< 10*
Benzene	1	< 0.50	*< 0.50*	< 0.50	*< 0.50*	< 0.50	*< 0.50*
Bromodichloromethane	50	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Bromoform	50	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Bromomethane	5	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Carbon Dislfide	60	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Carbon Tetrachloride	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chlorobenzene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chlorodifloromethane (Freon 22)	NE	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
Chloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chloroform	7	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chloromethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
cis-1,2-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	***0.59 J***	< 1.0	*< 1.0*
cis-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chlorodibromomethane	50	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Dichlorodifloromethane (Freon 12)	5	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Ethylbenzene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Methyl-Tert-Btylether	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Methylene Chloride	5	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Styrene (Monomer)	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Tetrachloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Tolene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
trans-1,2-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
trans-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Trichloroethene	5	**2.4**	***2.1***	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Trichlorotrifloroethane (Freon 113)	5	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
Vinyl Chloride	2	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
o-Xylene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
m,p-Xylene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Total VOCs [3]		**2.4**	***2.1***	0	**0.59**	0	*0*
Project VOCs [4]		**2.4**	***2.1***	0	**0.59**	0	*0*
1,4-Dioxane		**0.417**	***0.348***	**0.918**	**0.675**	< 0.200	*< 0.200*

See Notes and Abbreviations on last page

Table 13
Summary of Monitoring Well Groundwater Sample Analytical Results - VOCs and 1,4-Dioxane
Bethpage Park Grondwater Containment System
Operable Unit 3 (Former Settling Ponds)
Bethpage, New York

Compound [1, 2] (units in µg/L)	Sample Location: Sample Date:	BCPMW-4-1 12/28/2016	BCPMW-4-1 7/31/2017	BCPMW-4-2 12/22/2016	BCPMW-4-2 (REP) 12/22/2016	BCPMW-4-2 7/31/2017
	NYSDEC SCGs					
1,1,1-Trichloroethane	5	**0.36 J**	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,1,2,2-Tetrachloroethane	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,1,2-Trichloroethane	1	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,1-Dichloroethane	5	**3.2**	***1.6***	**0.22 J**	**0.23 J**	***0.25 J***
1,1-Dichloroethene	5	**0.42 J**	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,2-Dichloroethane	0.6	**0.87 J**	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,2-Dichloropropane	1	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
2-Btanone	NE	< 10	*< 10*	< 10	< 10	*< 10*
2-Hexanone	50	< 5.0	*< 5.0*	< 5.0	< 5.0	*< 5.0*
4-Methyl-2-Pentanone	50	< 5.0	*< 5.0*	< 5.0	< 5.0	*< 5.0*
Acetone	NE	< 10	*< 10*	< 10	< 10	*< 10*
Benzene	1	< 0.50	*< 0.50*	< 0.50	< 0.50	*< 0.50*
Bromodichloromethane	50	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Bromoform	50	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Bromomethane	5	< 2.0	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Carbon Dislfide	60	< 2.0	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Carbon Tetrachloride	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chlorobenzene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chlorodifloromethane (Freon 22)	NE	< 5.0	*< 5.0*	< 5.0	< 5.0	*< 5.0*
Chloroethane	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chloroform	7	**1.4**	***0.76 J***	**3.9**	**3.6**	***2.3***
Chloromethane	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
cis-1,2-Dichloroethene	5	**81.4**	***53.5***	**16.9**	**17.4**	***19.9***
cis-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chlorodibromomethane	50	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Dichlorodifloromethane (Freon 12)	5	< 2.0	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Ethylbenzene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Methyl-Tert-Btylether	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Methylene Chloride	5	< 2.0	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Styrene (Monomer)	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Tetrachloroethene	5	**0.50 J**	*< 1.0*	< 1.0	**0.27 J**	*< 1.0*
Tolene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
trans-1,2-Dichloroethene	5	**0.49 J**	*< 1.0*	**0.62 J**	**0.58 J**	*< 1.0*
trans-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Trichloroethene	5	**48.2**	***21.9***	**18.0**	**18.1**	***17.6***
Trichlorotrifloroethane (Freon 113)	5	< 5.0	*< 5.0*	< 5.0	< 5.0	*< 5.0*
Vinyl Chloride	2	**3.3**	*< 1.0*	< 1.0	< 1.0	*< 1.0*
o-Xylene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
m,p-Xylene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Total VOCs [3]		**140**	***78***	**40**	**40**	***40***
Project VOCs [4]		**140**	***77***	**36**	**37**	***38***
1,4-Dioxane		**39.3**	***2.64***	**2.34**	**2.40**	***1.35***

See Notes and Abbreviations on last page

Table 13
Summary of Monitoring Well Groundwater Sample Analytical Results - VOCs and 1,4-Dioxane
Bethpage Park Grondwater Containment System
Operable Unit 3 (Former Settling Ponds)
Bethpage, New York

Compound [1, 2] (units in µg/L)	Sample Location: Sample Date:	BCPMW-4-3 12/22/2016	BCPMW-4-3 8/3/2017	BCPMW-6-1 12/27/2016	BCPMW-6-1 8/1/2017	BCPMW-6-2 12/27/2016	BCPMW-6-2 8/2/2017
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1,2,2-Tetrachloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1,2-Trichloroethane	1	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1-Dichloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	***0.21 J***
1,1-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,2-Dichloroethane	0.6	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,2-Dichloropropane	1	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
2-Btanone	NE	< 10	*< 10*	< 10	*< 10*	< 10	*< 10*
2-Hexanone	50	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
4-Methyl-2-Pentanone	50	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
Acetone	NE	< 10	*< 10*	< 10	*< 10*	< 10	*< 10*
Benzene	1	< 0.50	*< 0.50*	< 0.50	*< 0.50*	< 0.50	*< 0.50*
Bromodichloromethane	50	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Bromoform	50	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Bromomethane	5	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Carbon Dislfide	60	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Carbon Tetrachloride	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chlorobenzene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chlorodifloromethane (Freon 22)	NE	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
Chloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chloroform	7	**0.52 J**	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chloromethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
cis-1,2-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
cis-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chlorodibromomethane	50	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Dichlorodifloromethane (Freon 12)	5	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Ethylbenzene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Methyl-Tert-Btylether	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Methylene Chloride	5	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Styrene (Monomer)	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Tetrachloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Tolene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
trans-1,2-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
trans-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Trichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Trichlorotrifloroethane (Freon 113)	5	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
Vinyl Chloride	2	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
o-Xylene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
m,p-Xylene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Total VOCs [3]		**0.52**	*0*	0	*0*	0	***0.21***
Project VOCs [4]		0	0	0	*0*	0	***0.21***
1,4-Dioxane		**0.776**	***0.616***	< 0.200	*< 0.200*	< 0.200	*< 0.100*

See Notes and Abbreviations on last page

Table 13
Summary of Monitoring Well Groundwater Sample Analytical Results - VOCs and 1,4-Dioxane
Bethpage Park Grondwater Containment System
Operable Unit 3 (Former Settling Ponds)
Bethpage, New York

Compound [1, 2] (units in µg/L)	Sample Location: Sample Date:	BCPMW-7-1 12/28/2016	BCPMW-7-1 8/1/2017	MW-200-1 1/17/2017	MW-200-1 8/7/2017	MW-201-1 1/18/2017	MW-201-1 8/8/2017
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1,2,2-Tetrachloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1,2-Trichloroethane	1	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1-Dichloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,1-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,2-Dichloroethane	0.6	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
1,2-Dichloropropane	1	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
2-Btanone	NE	< 10	*< 10*	< 10	*< 10*	< 10	*< 10*
2-Hexanone	50	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
4-Methyl-2-Pentanone	50	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
Acetone	NE	< 10	*< 10*	< 10	*< 10*	< 10	*< 10*
Benzene	1	< 0.50	*< 0.50*	< 0.50	*< 0.50*	< 0.50	*< 0.50*
Bromodichloromethane	50	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Bromoform	50	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Bromomethane	5	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Carbon Dislfide	60	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Carbon Tetrachloride	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chlorobenzene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chlorodifloromethane (Freon 22)	NE	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
Chloroethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chloroform	7	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chloromethane	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
cis-1,2-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	**2.0**	***1.5***
cis-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Chlorodibromomethane	50	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Dichlorodifloromethane (Freon 12)	5	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Ethylbenzene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Methyl-Tert-Btylether	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Methylene Chloride	5	< 2.0	*< 2.0*	< 2.0	*< 2.0*	< 2.0	*< 2.0*
Styrene (Monomer)	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Tetrachloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Tolene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
trans-1,2-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
trans-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Trichloroethene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	**1.6**	***1.3***
Trichlorotrifloroethane (Freon 113)	5	< 5.0	*< 5.0*	< 5.0	*< 5.0*	< 5.0	*< 5.0*
Vinyl Chloride	2	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
o-Xylene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
m,p-Xylene	5	< 1.0	*< 1.0*	< 1.0	*< 1.0*	< 1.0	*< 1.0*
Total VOCs [3]		0	*0*	0	*0*	**3.6**	***2.8***
Project VOCs [4]		0	*0*	0	*0*	**3.6**	***2.8***
1,4-Dioxane		< 0.200	*< 0.200*	**0.725**	***0.537***	0.655	***0.676***

See Notes and Abbreviations on last page

Table 13
Summary of Monitoring Well Groundwater Sample Analytical Results - VOCs and 1,4-Dioxane
Bethpage Park Grondwater Containment System
Operable Unit 3 (Former Settling Ponds)
Bethpage, New York

Compound [1, 2] (units in µg/L)	Sample Location: Sample Date:	MW-202-1 1/19/2017	MW-202-1 8/9/2017	MW-203-1 1/20/2017	MW-203-1 8/10/2017	MW-204-1 12/24/2015	MW-204-1 1/17/2017
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	5	**0.66 J**	***0.80 J***	**0.30 J**	***0.34 J***	< 1.0	< 1.0
1,1-Dichloroethene	5	**0.33 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	0.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Btanone	NE	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-Methyl-2-Pentanone	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	NE	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Dislfide	60	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifloromethane (Freon 22)	NE	< 5.0	< 5.0	**2.0 J**	***3.3 J***	< 5.0	< 5.0
Chloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	7	< 1.0	< 1.0	**0.27 J**	***0.35 J***	**0.50 J**	**0.24 J**
Chloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	5	**0.45 J**	< 1.0	**0.92 J**	***0.55 J***	**2.5**	**3.4**
cis-1,3-Dichloropropene	0.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifloromethane (Freon 12)	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl-Tert-Btylether	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene Chloride	5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Styrene (Monomer)	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	5	**1.3**	***1.4***	**0.76 J**	***1.2***	< 1.0	< 1.0
Tolene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	0.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	5	**0.68 J**	***0.96 J***	**3.9**	***2.9***	**4.0**	**4.1**
Trichlorotrifloroethane (Freon 113)	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total VOCs [3]		**3.4**	***3.2***	**8.2**	***8.6***	**7.0**	**7.7**
Project VOCs [4]		**3.4**	***3.2***	**5.9**	***5.0***	**6.5**	**7.5**
1,4-Dioxane		**0.396**	***0.518***	**0.401**	***0.262***	< 0.11	**0.350**

See Notes and Abbreviations on last page

Table 13
Summary of Monitoring Well Groundwater Sample Analytical Results - VOCs and 1,4-Dioxane
Bethpage Park Grondwater Containment System
Operable Unit 3 (Former Settling Ponds)
Bethpage, New York

Compound [1, 2] (units in µg/L)	Sample Location: Sample Date:	MW-204-1 8/7/2017	MW-204-1 (REP) 8/7/2017	MW-205-1 12/29/2015	MW-205-1 1/18/2017	MW-205-1 8/8/2017
	NYSDEC SCGs					
1,1,1-Trichloroethane	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,1,2,2-Tetrachloroethane	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,1,2-Trichloroethane	1	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,1-Dichloroethane	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,1-Dichloroethene	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,2-Dichloroethane	0.6	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,2-Dichloropropane	1	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
2-Btanone	NE	*< 10*	*< 10*	< 10	< 10	*< 10*
2-Hexanone	50	*< 5.0*	*< 5.0*	< 5.0	< 5.0	*< 5.0*
4-Methyl-2-Pentanone	50	*< 5.0*	*< 5.0*	**3.0 J**	< 5.0	*< 5.0*
Acetone	NE	*< 10*	*< 10*	< 10	< 10	*< 10*
Benzene	1	*< 0.50*	*< 0.50*	< 0.50	< 0.50	*< 0.50*
Bromodichloromethane	50	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Bromoform	50	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Bromomethane	5	*< 2.0*	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Carbon Dislfide	60	*< 2.0*	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Carbon Tetrachloride	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chlorobenzene	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chlorodifloromethane (Freon 22)	NE	*< 5.0*	*< 5.0*	< 5.0	< 5.0	*< 5.0*
Chloroethane	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chloroform	7	*< 1.0*	*< 1.0*	< 1.0	**0.64 J**	*< 1.0*
Chloromethane	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
cis-1,2-Dichloroethene	5	*< 1.0*	*< 1.0*	**1.1**	**0.39 J**	***0.62 J***
cis-1,3-Dichloropropene	0.4	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chlorodibromomethane	50	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Dichlorodifloromethane (Freon 12)	5	*< 2.0*	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Ethylbenzene	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Methyl-Tert-Btylether	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Methylene Chloride	5	*< 2.0*	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Styrene (Monomer)	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Tetrachloroethene	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Tolene	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
trans-1,2-Dichloroethene	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
trans-1,3-Dichloropropene	0.4	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Trichloroethene	5	***2.4***	***2.5***	**0.76 J**	**0.91 J**	***0.41 J***
Trichlorotrifloroethane (Freon 113)	5	*< 5.0*	*< 5.0*	< 5.0	< 5.0	*< 5.0*
Vinyl Chloride	2	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
o-Xylene	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
m,p-Xylene	5	*< 1.0*	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Total VOCs [3]		***2.4***	***2.5***	**4.9**	**1.9**	***1.0***
Project VOCs [4]		***2.4***	***2.5***	**1.9**	**1.3**	***1.0***
1,4-Dioxane		***0.306***	***0.319***	**0.162**	**0.366**	***0.714***

See Notes and Abbreviations on last page

Table 13
Summary of Monitoring Well Groundwater Sample Analytical Results - VOCs and 1,4-Dioxane
Bethpage Park Grondwater Containment System
Operable Unit 3 (Former Settling Ponds)
Bethpage, New York

Compound [1, 2] (units in µg/L)	Sample Location: Sample Date:	MW-206-1 1/19/2017	MW-206-1 8/9/2017	MW-208-1 12/29/2015	MW-208-1 1/20/2017	MW-208-1 8/10/2017
	NYSDEC SCGs					
1,1,1-Trichloroethane	5	**0.27 J**	***0.76 J***	< 1.0	< 1.0	*< 1.0*
1,1,2,2-Tetrachloroethane	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,1,2-Trichloroethane	1	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,1-Dichloroethane	5	**0.74 J**	***3.0***	**2.9**	**2.1**	***1.1***
1,1-Dichloroethene	5	**0.27 J**	***1.7***	**0.89 J**	**0.70 J**	*< 1.0*
1,2-Dichloroethane	0.6	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
1,2-Dichloropropane	1	< 1.0	*< 1.0*	< 1.0	**0.35 J**	*< 1.0*
2-Btanone	NE	< 10	*< 10*	< 10	< 10	*< 10*
2-Hexanone	50	< 5.0	*< 5.0*	< 5.0	< 5.0	*< 5.0*
4-Methyl-2-Pentanone	50	< 5.0	*< 5.0*	< 5.0	< 5.0	*< 5.0*
Acetone	NE	< 10	*< 10*	< 10	< 10	*< 10*
Benzene	1	< 0.50	*< 0.50*	< 0.50	< 0.50	*< 0.50*
Bromodichloromethane	50	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Bromoform	50	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Bromomethane	5	< 2.0	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Carbon Dislfide	60	< 2.0	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Carbon Tetrachloride	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chlorobenzene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chlorodifloromethane (Freon 22)	NE	< 5.0	*< 5.0*	< 5.0	< 5.0	*< 5.0*
Chloroethane	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chloroform	7	< 1.0	*< 1.0*	**3.1**	**2.8**	***1.4***
Chloromethane	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
cis-1,2-Dichloroethene	5	**0.92 J**	***1.3***	**546 D**	**597**	***268***
cis-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Chlorodibromomethane	50	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Dichlorodifloromethane (Freon 12)	5	< 2.0	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Ethylbenzene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Methyl-Tert-Btylether	5	< 1.0	*< 1.0*	**0.39 J**	**0.43 J**	*< 1.0*
Methylene Chloride	5	< 2.0	*< 2.0*	< 2.0	< 2.0	*< 2.0*
Styrene (Monomer)	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Tetrachloroethene	5	**0.56 J**	***2.8***	< 1.0	< 1.0	*< 1.0*
Tolene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
trans-1,2-Dichloroethene	5	< 1.0	*< 1.0*	< 1.0	**0.60 J**	***1.6***
trans-1,3-Dichloropropene	0.4	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Trichloroethene	5	< 1.0	***0.65 J***	**17.4**	**10.9**	***12.8***
Trichlorotrifloroethane (Freon 113)	5	< 5.0	*< 5.0*	< 5.0	< 5.0	*< 5.0*
Vinyl Chloride	2	< 1.0	*< 1.0*	**6.4**	**3.3**	***1.8***
o-Xylene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
m,p-Xylene	5	< 1.0	*< 1.0*	< 1.0	< 1.0	*< 1.0*
Total VOCs [3]		**2.8**	***10***	**580**	**620**	***290***
Project VOCs [4]		**2.8**	***10***	**570**	**610**	***290***
1,4-Dioxane		**0.301**	***1.06***	**0.526**	**1.02**	***0.800***

See Notes and Abbreviations on last page

2017 OU2 GROUNDWATER INVESTIGATION DATA SUMMARY REPORT VPB143

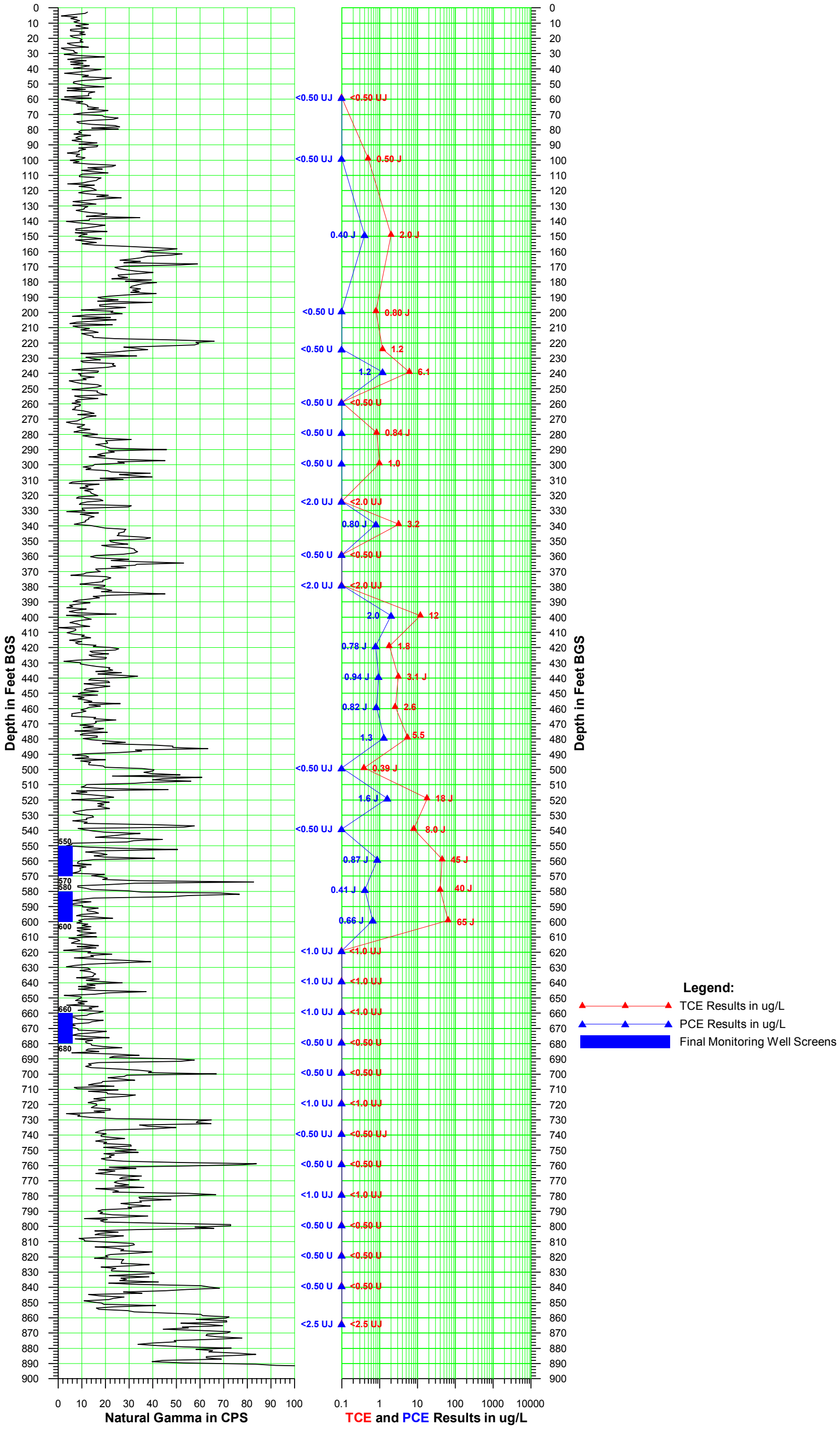
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP)
SITE 1 OU2
BETHPAGE, NY

Prepared for:

Department of the Navy
Naval Facilities Engineering Command, Atlantic
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January 2018

Vertical Profile Boring VPB-143
Downward Run - May 4, 2017
Validated Analytical Data



Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143	VPB143
Sample Date		4/11/2017	4/11/2017	4/13/2017	4/13/2017
Sample ID		VPB143-GW-041117-58-60	VPB143-GW-041117-98-100	VPB143-GW-041317-148-150	VPB143-GW-041317-198-200
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 UJ***	***<0.75 UJ***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
2-BUTANONE	50	<2.5 UJ	**3.9 J**	<2.5 UJ	<2.5 U
2-HEXANONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 U
ACETONE	50	**8.5 J**	**5.3 J**	**8.1 J**	**3.6 J**
BENZENE	1	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
BROMOFORM	50	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 UJ***	***<0.50 UJ***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<0.75 UJ	<0.75 UJ	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 U
O-XYLENE	NL	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
STYRENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	**0.40 J**	<0.50 U
TOLUENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 UJ***	***<0.50 UJ***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 UJ	**0.50 J**	**2.0 J**	**0.80 J**
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
XYLENES, TOTAL	5	<1.5 UJ	<1.5 UJ	<1.5 UJ	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143	VPB143
Sample Date		4/14/2017	4/14/2017	4/14/2017	4/17/2017
Sample ID		VPB143-GW-041417-223-225	VPB143-GW-041417-238-240	VPB143-GW-041417-258-260	VPB143-GW-041717-278-280
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	**0.41 J**	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**4.8 J**	**3.2 J**	**2.5 J**	**15**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	**1.2**	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**1.2**	**6.1**	<0.50 U	**0.84 J**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143	VPB143
Sample Date		4/17/2017	4/17/2017	4/18/2017	4/18/2017
Sample ID		VPB143-GW-D-041717	VPB143-GW-041717-298-300	VPB143-GW-041817-323-325	VPB143-GW-041817-338-340
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<2.0 UJ	**0.35 J**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	***<2.0 UJ***	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<3.0 UJ***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<4.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	***<2.0 UJ***	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<10 UJ	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<10 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<10 UJ	<2.5 U
ACETONE	50	**12**	**15**	**45 J**	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	***<2.0 UJ***	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<4.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<4.0 UJ	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 U	**0.65 J**	<4.0 UJ	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<2.0 UJ***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<4.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<4.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<3.0 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	***<10 UJ***	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<2.0 UJ	**0.80 J**
TOLUENE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<2.0 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<2.0 UJ***	***<0.50 U***
TRICHLOROETHENE	5	**0.86 J**	**1.0**	<2.0 UJ	**3.2**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<4.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	***<4.0 UJ***	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	***<6.0 UJ***	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143	VPB143
Sample Date		4/18/2017	4/19/2017	4/19/2017	4/19/2017
Sample ID		VPB143-GW-041817-358-360	VPB143-GW-041917-378-380	VPB143-GW-041917-398-400	VPB143-GW-041917-418-420
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**2.7**	<2.0 UJ	**0.44 J**	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	***<2.0 UJ***	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<3.0 UJ***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<4.0 UJ	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	***<2.0 UJ***	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<10 UJ	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<10 UJ	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<10 UJ	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<10 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	***<2.0 UJ***	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<4.0 UJ	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<4.0 UJ	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<4.0 UJ	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<2.0 UJ***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	**0.94 J**	<4.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<4.0 UJ	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<3.0 UJ	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	***<10 UJ***	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<2.0 UJ	**2.0**	**0.78 J**
TOLUENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<2.0 UJ***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<2.0 UJ	**12**	**1.8**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<4.0 UJ	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	***<4.0 UJ***	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	***<6.0 UJ***	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143	VPB143
Sample Date		4/20/2017	4/20/2017	4/20/2017	4/21/2017
Sample ID		VPB143-GW-042017-438-440	VPB143-GW-042017-458-460	VPB143-GW-042017-478-480	VPB143-GW-042117-498-500
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 U***	***<0.75 U***	***<0.75 UJ***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
2-BUTANONE	50	<2.5 UJ	<2.5 U	<2.5 U	<2.5 UJ
2-HEXANONE	50	<2.5 UJ	<2.5 U	<2.5 U	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 U	<2.5 U	<2.5 UJ
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	**11 J**
BENZENE	1	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
BROMOFORM	50	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
BROMOMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
CARBON DISULFIDE	60	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
CHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
CHLOROETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
CHLOROFORM	7	<0.50 UJ	**0.34 J**	<0.50 U	<0.50 UJ
CHLOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<0.50 U***	***<0.50 UJ***
CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
METHYL ACETATE	NL	<0.75 UJ	<0.75 U	<0.75 U	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 U	<2.5 U	<2.5 UJ
O-XYLENE	NL	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
STYRENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
TETRACHLOROETHENE	5	**0.94 J**	**0.82 J**	**1.3**	<0.50 UJ
TOLUENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<0.50 U***	***<0.50 UJ***
TRICHLOROETHENE	5	**3.1 J**	**2.6**	**5.5**	**0.39 J**
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
VINYL CHLORIDE	2	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
XYLENES, TOTAL	5	<1.5 UJ	<1.5 U	<1.5 U	<1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143	VPB143
Sample Date		4/21/2017	4/21/2017	4/24/2017	4/24/2017
Sample ID		VPB143-GW-042117-518-520	VPB143-GW-042117-538-540	VPB143-GW-042417-558-560	VPB143-GW-D-042417
Sample type code		N	N	N	FD
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 UJ	**0.22 J**	**0.23 J**
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**0.55 J**	<0.50 UJ	**2.2 J**	**2.3 J**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 UJ	**0.54 J**	**0.59 J**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 UJ***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 UJ	**0.40 J**	**0.45 J**
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	**2.2 J**	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 UJ	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 UJ	<2.5 U	<2.5 U
ACETONE	50	**20 J**	**24 J**	**53 J**	**29 J**
BENZENE	1	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 UJ	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 UJ	**1.6 J**	**1.6 J**
CHLOROBENZENE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 UJ	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 UJ	**4.2 J**	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 UJ	**0.40 J**	**0.45 J**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 UJ***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	**0.30 J**	**0.36 J**
ETHYLBENZENE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 UJ	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 UJ	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 UJ	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	**1.6 J**	<0.50 UJ	**0.87 J**	**0.96 J**
TOLUENE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 UJ	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 UJ***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**18 J**	**8.0 J**	**45 J**	**47 J**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 UJ	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 UJ	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 UJ	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143	VPB143
Sample Date		4/24/2017	4/24/2017	4/25/2017	4/25/2017
Sample ID		VPB143-GW-042417-578-580	VPB143-GW-042417-598-600	VPB143-GW-042517-618-620	VPB143-GW-042517-638-640
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.26 J**	**0.58 J**	<1.0 UJ	<1.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**1.8 J**	**5.1 J**	<1.0 UJ	<1.0 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
1,1-DICHLOROETHANE	5	<0.50 UJ	**0.33 J**	<1.0 UJ	<1.0 UJ
1,1-DICHLOROETHENE	5	**0.70 J**	**1.5 J**	<1.0 UJ	<1.0 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 U***	***<1.5 UJ***	***<1.5 UJ***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	**0.60 J**	**0.97 J**	<2.0 UJ	<2.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
2-BUTANONE	50	**2.3 J**	<2.5 U	<5.0 UJ	<5.0 UJ
2-HEXANONE	50	<2.5 UJ	<2.5 U	<5.0 UJ	<5.0 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 U	<5.0 UJ	<5.0 UJ
ACETONE	50	**37 J**	**45 J**	<5.0 UJ	<5.0 UJ
BENZENE	1	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
BROMOFORM	50	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
BROMOMETHANE	5	<1.0 UJ	<1.0 U	<2.0 UJ	<2.0 UJ
CARBON DISULFIDE	60	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
CARBON TETRACHLORIDE	5	**1.5 J**	**2.0 J**	<1.0 UJ	<1.0 UJ
CHLOROBENZENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
CHLOROETHANE	5	<1.0 UJ	<1.0 U	<2.0 UJ	<2.0 UJ
CHLOROFORM	7	**0.32 J**	**0.44 J**	<1.0 UJ	<1.0 UJ
CHLOROMETHANE	5	**2.7 J**	**2.1 J**	<2.0 UJ	<2.0 UJ
CIS-1,2-DICHLOROETHENE	5	**0.60 J**	**0.97 J**	<1.0 UJ	<1.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<1.0 UJ***	***<1.0 UJ***
CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	**0.76 J**	<2.0 UJ	<2.0 UJ
ETHYLBENZENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 U	<2.0 UJ	<2.0 UJ
METHYL ACETATE	NL	<0.75 UJ	<0.75 U	<1.5 UJ	<1.5 UJ
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 U	<5.0 UJ	<5.0 UJ
O-XYLENE	NL	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
STYRENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
TETRACHLOROETHENE	5	**0.41 J**	**0.66 J**	<1.0 UJ	<1.0 UJ
TOLUENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<1.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<1.0 UJ***	***<1.0 UJ***
TRICHLOROETHENE	5	**40 J**	**65 J**	<1.0 UJ	<1.0 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<2.0 UJ	<2.0 UJ
VINYL CHLORIDE	2	<1.0 UJ	<1.0 U	<2.0 UJ	<2.0 UJ
XYLENES, TOTAL	5	<1.5 UJ	<1.5 U	<3.0 UJ	<3.0 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143	VPB143
Sample Date		4/26/2017	4/26/2017	4/26/2017	4/27/2017
Sample ID		VPB143-GW-042617-658-660	VPB143-GW-042617-678-680	VPB143-GW-042617-698-700	VPB143-GW-042717-718-720
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,1,2-TRICHLOROETHANE	1	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,1-DICHLOROETHANE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,1-DICHLOROETHENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,2,4-TRICHLOROBENZENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<1.5 UJ***	***<0.75 U***	***<0.75 U***	***<1.5 UJ***
1,2-DIBROMOETHANE	NL	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,2-DICHLOROBENZENE	3	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,2-DICHLOROETHANE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	<2.0 UJ	<1.0 U	<1.0 U	<2.0 UJ
1,2-DICHLOROPROPANE	1	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,3-DICHLOROBENZENE	3	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
1,4-DICHLOROBENZENE	3	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
2-BUTANONE	50	<5.0 UJ	<2.5 U	<2.5 U	<5.0 UJ
2-HEXANONE	50	<5.0 UJ	<2.5 U	<2.5 U	<5.0 UJ
4-METHYL-2-PENTANONE	NL	<5.0 UJ	<2.5 U	<2.5 U	<5.0 UJ
ACETONE	50	<5.0 UJ	<2.5 U	<2.5 U	<5.0 UJ
BENZENE	1	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
BROMODICHLOROMETHANE	50	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
BROMOFORM	50	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
BROMOMETHANE	5	<2.0 UJ	<1.0 UJ	<1.0 UJ	<2.0 UJ
CARBON DISULFIDE	60	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
CARBON TETRACHLORIDE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
CHLOROBENZENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
CHLOROETHANE	5	<2.0 UJ	<1.0 UJ	<1.0 UJ	<2.0 UJ
CHLOROFORM	7	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
CHLOROMETHANE	5	<2.0 UJ	<1.0 U	<1.0 U	<2.0 UJ
CIS-1,2-DICHLOROETHENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***<1.0 UJ***	***<0.50 U***	***<0.50 U***	***<1.0 UJ***
CYCLOHEXANE	NL	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
DIBROMOCHLOROMETHANE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
DICHLORODIFLUOROMETHANE	5	<2.0 UJ	<1.0 U	<1.0 U	<2.0 UJ
ETHYLBENZENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
ISOPROPYLBENZENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
M- AND P-XYLENE	NL	<2.0 UJ	<1.0 U	<1.0 U	<2.0 UJ
METHYL ACETATE	NL	<1.5 UJ	<0.75 U	<0.75 U	<1.5 UJ
METHYL CYCLOHEXANE	NL	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
METHYL TERT-BUTYL ETHER	10	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
METHYLENE CHLORIDE	5	<5.0 UJ	<2.5 U	<2.5 U	<5.0 UJ
O-XYLENE	NL	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
STYRENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
TETRACHLOROETHENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
TOLUENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
TRANS-1,2-DICHLOROETHENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<1.0 UJ***	***<0.50 U***	***<0.50 U***	***<1.0 UJ***
TRICHLOROETHENE	5	<1.0 UJ	<0.50 U	<0.50 U	<1.0 UJ
TRICHLOROFLUOROMETHANE	5	<2.0 UJ	<1.0 U	<1.0 U	<2.0 UJ
VINYL CHLORIDE	2	<2.0 UJ	<1.0 U	<1.0 U	<2.0 UJ
XYLENES, TOTAL	5	<3.0 UJ	<1.5 U	<1.5 U	<3.0 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143	VPB143
Sample Date		4/27/2017	4/27/2017	4/28/2017	4/28/2017
Sample ID		VPB143-GW-042717-738-740	VPB143-GW-042717-758-760	VPB143-GW-042817-778-780	VPB143-GW-042817-798-800
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 U***	***<1.5 UJ***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<1.0 U	<2.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
2-BUTANONE	50	<2.5 UJ	<2.5 U	<5.0 UJ	<2.5 U
2-HEXANONE	50	<2.5 UJ	<2.5 U	<5.0 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 U	<5.0 UJ	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 U	**12 J**	**17 J**
BENZENE	1	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
BROMOFORM	50	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<1.0 UJ	<2.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<2.0 UJ	<1.0 U
CHLOROFORM	7	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<1.0 U	<2.0 UJ	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<1.0 UJ***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<2.0 UJ	<1.0 U
ETHYLBENZENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 U	<2.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<0.75 U	<1.5 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 U	<5.0 UJ	<2.5 U
O-XYLENE	NL	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
STYRENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
TOLUENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<1.0 UJ***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 UJ	<0.50 U	<1.0 UJ	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<2.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<1.0 U	<2.0 UJ	<1.0 U
XYLENES, TOTAL	5	<1.5 UJ	<1.5 U	<3.0 UJ	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB143	VPB143	VPB143
Sample Date		5/1/2017	5/1/2017	5/2/2017
Sample ID		VPB143-GW-050117-818-820	VPB143-GW-050117-838-840	VPB143-GW-050217-863-865
Sample type code		N	N	N
VOC 8260C (ug/L)				
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<2.5 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<2.5 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<2.5 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	***<2.5 UJ***
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<2.5 UJ
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<2.5 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<2.5 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<3.8 UJ***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<2.5 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<2.5 UJ
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<2.5 UJ
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<5.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	***<2.5 UJ***
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<2.5 UJ
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<2.5 UJ
2-BUTANONE	50	<2.5 U	<2.5 U	<12 UJ
2-HEXANONE	50	<2.5 U	<2.5 U	<12 UJ
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<12 UJ
ACETONE	50	**27 J**	**29 J**	**17 J**
BENZENE	1	<0.50 U	<0.50 U	***<2.5 UJ***
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<2.5 UJ
BROMOFORM	50	<0.50 U	<0.50 U	<2.5 UJ
BROMOMETHANE	5	<1.0 U	<1.0 U	<5.0 UJ
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<2.5 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<2.5 UJ
CHLOROBENZENE	5	<0.50 U	<0.50 U	<2.5 UJ
CHLOROETHANE	5	<1.0 U	<1.0 U	<5.0 UJ
CHLOROFORM	7	<0.50 U	<0.50 U	<2.5 UJ
CHLOROMETHANE	5	<1.0 U	<1.0 U	<5.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<2.5 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<2.5 UJ***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<2.5 UJ
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<2.5 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<5.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<2.5 UJ
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<2.5 UJ
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<5.0 UJ
METHYL ACETATE	NL	<0.75 U	<0.75 U	<3.8 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<2.5 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<2.5 UJ
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	***<12 UJ***
O-XYLENE	NL	<0.50 U	<0.50 U	<2.5 UJ
STYRENE	5	<0.50 U	<0.50 U	<2.5 UJ
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<2.5 UJ
TOLUENE	5	<0.50 U	<0.50 U	<2.5 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<2.5 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<2.5 UJ***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<2.5 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<5.0 UJ
VINYL CHLORIDE	2	<1.0 U	<1.0 U	***<5.0 UJ***
XYLENES, TOTAL	5	<1.5 U	<1.5 U	***<7.5 UJ***

Notes:

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series (6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)
Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

Bold = Detected; ***Bold and Italics*** =Not detected exceeds NYS Groundwater Standards or guidance value
Yellow highlighted values exceed Groundwater Standards or guidance value

Sample type codes: N - normal environmental sample, FD - field duplicate

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

2016 OU2 GROUNDWATER INVESTIGATION DATA SUMMARY REPORT VPB164

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP)
SITE 1 OU2
BETHPAGE, NY

D2

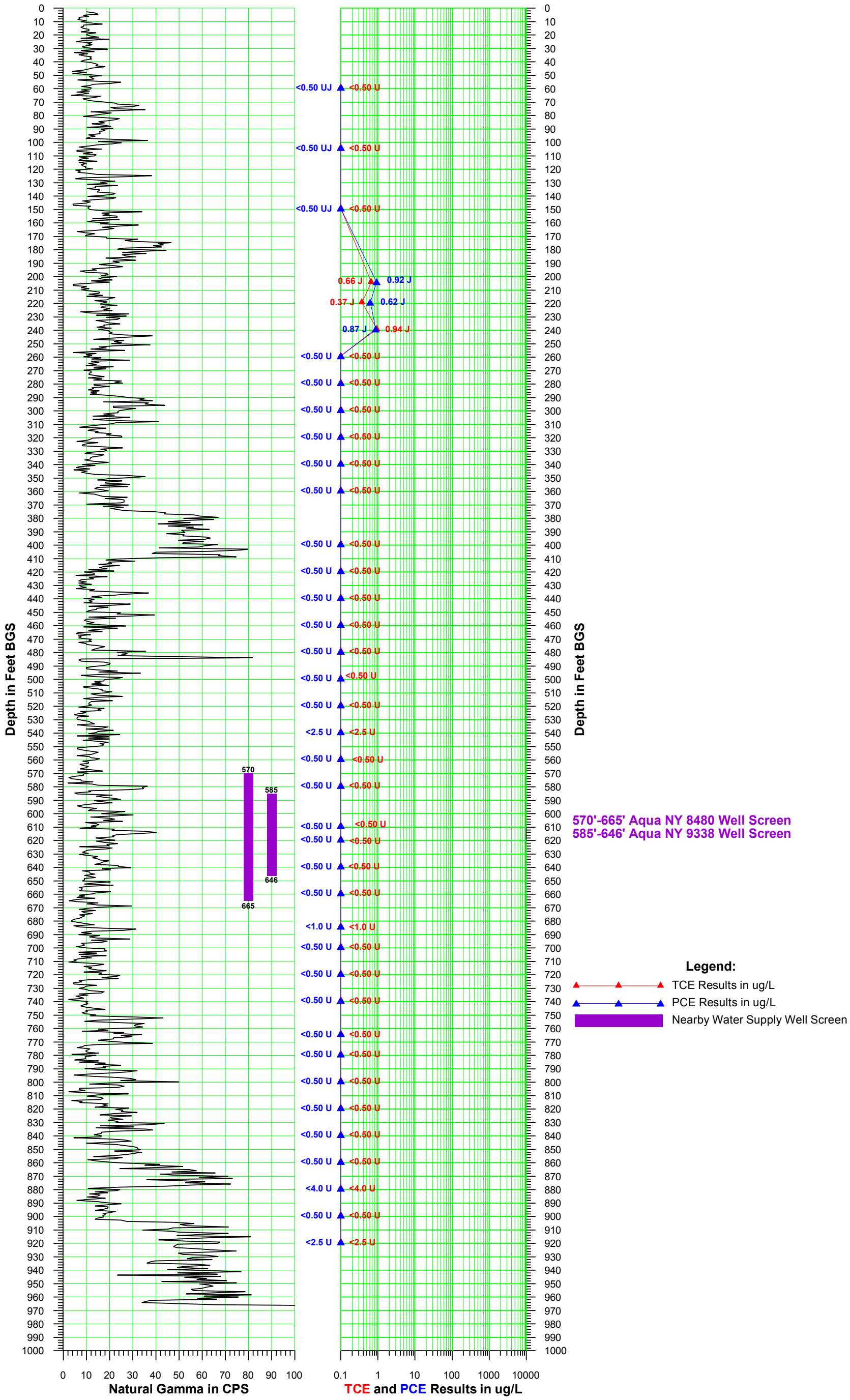
Prepared for:



Department of the Navy
Naval Facilities Engineering Command, Atlantic
9324 Virginia Avenue
Building Z-144
Norfolk, Virginia 23511

April 2017

Vertical Profile Boring VPB-164
Downward Run - May 2, 2016
Validated Analytical Data



Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/7/2016	4/7/2016	4/11/2016	4/11/2016
Sample ID		VPB164-GW-040716-58-60	VPB164-GW-040716-103-105	VPB164-GW-041116-148-150	VPB164-GW-041116-203-205
Sample Interval (ft bgs)		58-60	103-105	148-150	203-205
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	**0.39 J**	**0.62 J**
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	**2.8 J**	**2.2 J**	<2.5 UJ	<2.5 UJ
2-HEXANONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	**8.8 J**	**4.4 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	**1.4**	**1.4**	**1.6**	**0.33 J**
CHLOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	**0.74 J**	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	**0.54 J**	**0.90 J**
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 UJ	<2.5 UJ
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	**0.92 J**
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	**0.66 J**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/12/2016	4/12/2016	4/12/2016	4/13/2016
Sample ID		VPB164-GW-041216-218-220	VPB164-GW-041216-238-240	VPB164-GW-041216-258-260	VPB164-GW-041316-278-280
Sample Interval (ft bgs)		218-220	238-240	258-260	278-280
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	**0.28 J**	**0.54 J**	**0.93 J**	**0.30 J**
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	**0.28 J**	<0.50 U	**1.2**	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	**0.44 J**	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	**0.40 J**	**0.70 J**	**1.4 J**
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	**0.72 J**	**0.78 J**	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	**0.62 J**	**0.87 J**	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**0.37 J**	**0.94 J**	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/13/2016	4/13/2016	4/14/2016	4/14/2016
Sample ID		VPB164-GW-041316-298-300	VPB164-GW-041316-318-320	VPB164-GW-041416-338-340	VPB164-GW-D-041416
Sample Interval (ft bgs)		298-300	318-320	338-340	338-340
Sample type code		N	N	N	FD
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	**5.7**	**8.0**	**8.8**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	**0.53 J**	**1.7**	**1.1**	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/14/2016	4/15/2016	4/15/2016	4/15/2016
Sample ID		VPB164-GW-041416-358-360	VPB164-GW-041516-398-400	VPB164-GW-041516-418-420	VPB164-GW-041516-438-440
Sample Interval (ft bgs)		358-360	398-400	418-420	438-440
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**6.6**	**11**	**3.9 J**	**4.3 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	**1.8**	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/18/2016	4/18/2016	4/18/2016	4/19/2016
Sample ID		VPB164-GW-041816-458-460	VPB164-GW-041816-478-480	VPB164-GW-041816-498-500	VPB164-GW-041916-518-520
Sample Interval (ft bgs)		458-460	478-480	498-500	518-520
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	**2.0 J**	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**13**	**4.3 J**	**5.4**	<2.5 U
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	**0.32 J**	<0.50 U	<0.50 U	**0.49 J**
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/19/2016	4/19/2016	4/20/2016	4/20/2016
Sample ID		VPB164-GW-041916-538-540	VPB164-GW-041916-558-560	VPB164-GW-042016-578-580	VPB164-GW-042016-608-610
Sample Interval (ft bgs)		538-540	558-560	578-580	608-610
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	***<2.5 U***	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<3.8 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<5.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	***<2.5 U***	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<2.5 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<2.5 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<12 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<12 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<12 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<12 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	***<2.5 U***	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<2.5 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<2.5 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<5.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<2.5 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<5.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<2.5 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<5.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<2.5 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<2.5 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<5.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<5.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<3.8 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<2.5 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<2.5 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	***<12 U***	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<2.5 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<2.5 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<2.5 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<5.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	***<5.0 U***	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	***<7.5 U***	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/21/2016	4/21/2016	4/21/2016	4/21/2016
Sample ID		VPB164-GW-042116-618-620	VPB164-GW-042116-638-640	VPB164-GW-D-042116	VPB164-GW-042116-658-660
Sample Interval (ft bgs)		618-620	638-640	638-640	658-660
Sample type code		N	N	FD	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/22/2016	4/22/2016	4/25/2016	4/25/2016
Sample ID		VPB164-GW-042216-683-685	VPB164-GW-042216-698-700	VPB164-GW-042516-718-720	VPB164-GW-042516-738-740
Sample Interval (ft bgs)		683-685	698-700	718-720	738-740
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<1.5 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<2.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<1.0 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<1.0 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<5.0 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<5.0 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<5.0 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<5.0 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<1.0 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<1.0 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<1.0 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<2.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<1.0 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<2.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<1.0 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<2.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<1.0 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<1.0 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<2.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<2.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<1.5 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<1.0 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<1.0 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<5.0 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<1.0 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<1.0 U	<0.50 U	**0.44 J**	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<1.0 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<1.0 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<2.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<2.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<3.0 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/26/2016	4/26/2016	4/26/2016	4/27/2016
Sample ID		VPB164-GW-042616-763-765	VPB164-GW-042616-778-780	VPB164-GW-042616-798-800	VPB164-GW-042716-818-820
Sample Interval (ft bgs)		763-765	778-780	798-800	818-820
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164	VPB164	VPB164	VPB164
Sample Date		4/27/2016	4/27/2016	4/28/2016	4/28/2016
Sample ID		VPB164-GW-042716-838-840	VPB164-GW-042716-858-860	VPB164-GW-042816-878-880	VPB164-GW-042816-898-900
Sample Interval (ft bgs)		838-840	858-860	878-880	898-900
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	***<4.0 U***	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<6.0 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<4.0 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	***<4.0 U***	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	***<8.0 U***	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	***<4.0 U***	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	***<4.0 U***	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	***<4.0 U***	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<20 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<20 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<20 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<20 U	<2.5 U
BENZENE	1	<0.50 U	<0.50 U	***<4.0 U***	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<4.0 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<4.0 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	***<8.0 U***	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<4.0 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	***<8.0 U***	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<4.0 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	***<8.0 U***	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<4.0 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<4.0 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	***<8.0 U***	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<8.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<6.0 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<4.0 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<4.0 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	***<20 U***	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<4.0 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<4.0 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<4.0 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	***<8.0 U***	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	***<8.0 U***	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	***<12 U***	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB164
Sample Date		4/28/2016
Sample ID		VPB164-GW-042816-918-920
Sample Interval (ft bgs)		918-920
Sample type code		N
VOC 8260C (ug/L)		
1,1,1-TRICHLOROETHANE	5	<2.5 U
1,1,2,2-TETRACHLOROETHANE	5	<2.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<2.5 U
1,1,2-TRICHLOROETHANE	1	***<2.5 U***
1,1-DICHLOROETHANE	5	<2.5 U
1,1-DICHLOROETHENE	5	<2.5 U
1,2,4-TRICHLOROBENZENE	5	<2.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<3.8 U***
1,2-DIBROMOETHANE	NL	<2.5 U
1,2-DICHLOROBENZENE	3	<2.5 U
1,2-DICHLOROETHANE	5	<2.5 U
1,2-DICHLOROETHENE, TOTAL	5	<5.0 U
1,2-DICHLOROPROPANE	1	***<2.5 U***
1,3-DICHLOROBENZENE	3	<2.5 U
1,4-DICHLOROBENZENE	3	<2.5 U
2-BUTANONE	50	<12 U
2-HEXANONE	50	<12 U
4-METHYL-2-PENTANONE	NL	<12 U
ACETONE	50	<12 U
BENZENE	1	***<2.5 U***
BROMODICHLOROMETHANE	50	<2.5 U
BROMOFORM	50	<2.5 U
BROMOMETHANE	5	<5.0 U
CARBON DISULFIDE	60	<2.5 U
CARBON TETRACHLORIDE	5	<2.5 U
CHLOROBENZENE	5	<2.5 U
CHLOROETHANE	5	<5.0 U
CHLOROFORM	7	<2.5 U
CHLOROMETHANE	5	<5.0 U
CIS-1,2-DICHLOROETHENE	5	<2.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<2.5 U***
CYCLOHEXANE	NL	<2.5 U
DIBROMOCHLOROMETHANE	5	<2.5 U
DICHLORODIFLUOROMETHANE	5	<5.0 U
ETHYLBENZENE	5	<2.5 U
ISOPROPYLBENZENE	5	<2.5 U
M- AND P-XYLENE	NL	<5.0 U
METHYL ACETATE	NL	<3.8 U
METHYL CYCLOHEXANE	NL	<2.5 U
METHYL TERT-BUTYL ETHER	10	<2.5 U
METHYLENE CHLORIDE	5	***<12 U***
O-XYLENE	NL	<2.5 U
STYRENE	5	<2.5 U
TETRACHLOROETHENE	5	<2.5 U
TOLUENE	5	<2.5 U
TRANS-1,2-DICHLOROETHENE	5	<2.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<2.5 U***
TRICHLOROETHENE	5	<2.5 U
TRICHLOROFLUOROMETHANE	5	<5.0 U
VINYL CHLORIDE	2	***<5.0 U***
XYLENES, TOTAL	5	***<7.5 U***

Notes:

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series (6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)
Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

Bold = Detected; ***Bold and Italics*** =Not detected exceeds NYS Groundwater Standards or guidance value

Yellow highlighted values exceed Groundwater Standards or guidance value

Sample type codes: N - normal environmental sample, FD - field duplicate

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

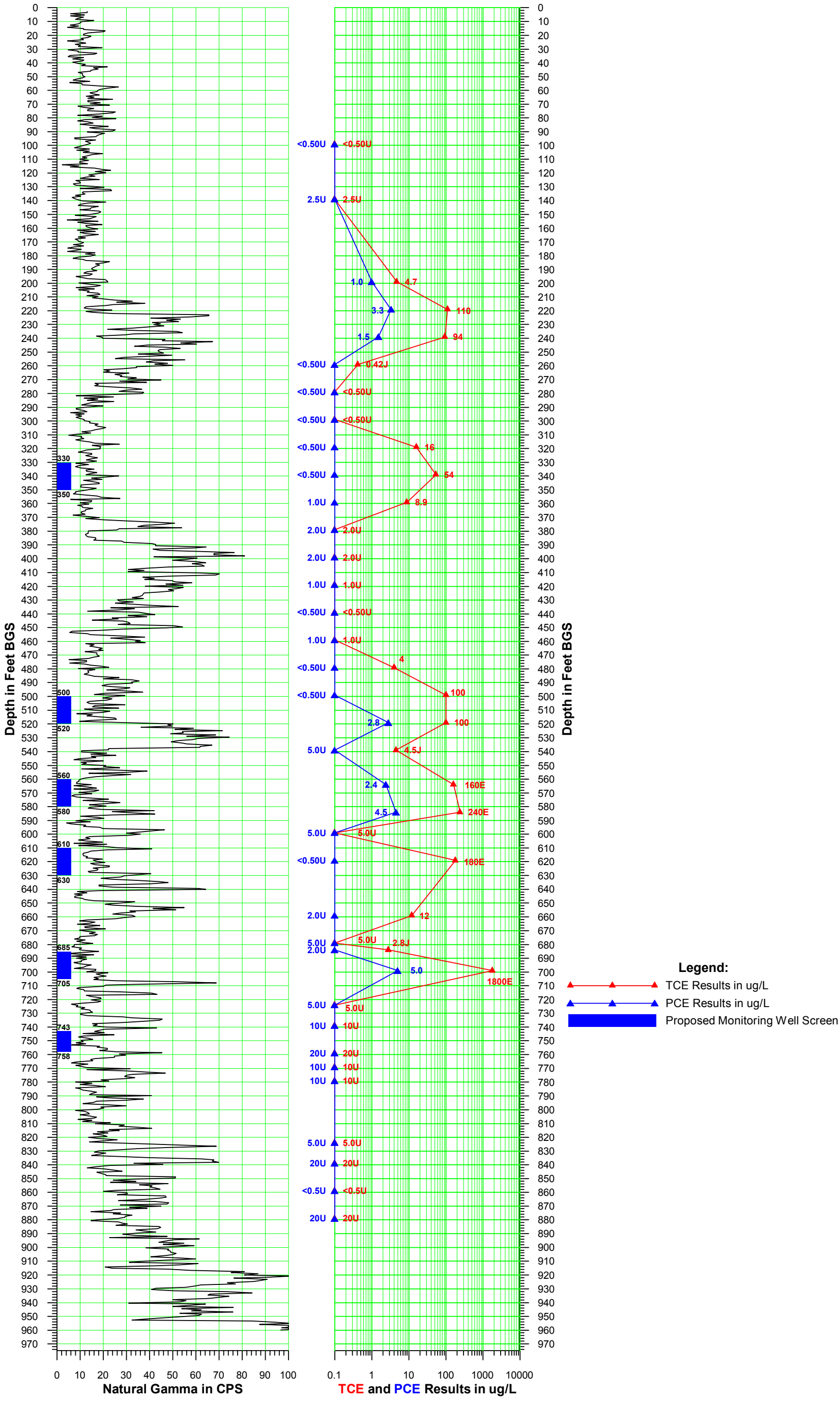
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.

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

M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

Resolution Consultants
Vertical Profile Boring VPB-166
October 2017 Preliminary Analytical Data
NOT YET PUBLISHED

Vertical Profile Boring VPB-166
Downward Run - October 22, 2017
Preliminary Analytical Data



Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-1
Client ID: TB01-WQ-082817
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1100.D

Sample Date: 28-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.23	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	UL	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-1
Client ID: TB01-WQ-082817
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1100.D

Sample Date: 28-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		108.	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		108.	%					
Dibromofluoromethane		107.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-2
Client ID: VPB166-GW-082817-278-280
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1104.D

Sample Date: 28-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.33	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	J	0.65	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	JL	4.1	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	UL	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-2
Client ID: VPB166-GW-082817-278-280
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1104.D

Sample Date: 28-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		111.	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		114.	%					
Dibromofluoromethane		110.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-3
Client ID: VPB166-GW-082817-298-300
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1105.D

Sample Date: 28-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.32	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	J	0.25	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	JL	4.3	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.21	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	UL	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-3
Client ID: VPB166-GW-082817-298-300
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1105.D

Sample Date: 28-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		111.	%					
Toluene-d8		103.	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		112.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-4
Client ID: VPB166-GW-082817-318-320
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1106.D

Sample Date: 28-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	1.8	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	J	0.94	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide		1.1	ug/L	1	1	1.0	0.25	0.50
Freon-113		2.7	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	J	0.40	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.4	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.60	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.38	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		16	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	UL	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-4
Client ID: VPB166-GW-082817-318-320
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1106.D

Sample Date: 28-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	1.4	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		108.	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		112.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-5
Client ID: VPB166-GW-082917-338-340
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1107.D

Sample Date: 29-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	1.1	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		2.4	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	J	0.66	ug/L	1	1	1.0	0.25	0.50
Freon-113		9.0	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	JL	3.1	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	J	0.86	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.5	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.86	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.47	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		54	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	UL	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-5
Client ID: VPB166-GW-082917-338-340
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1107.D

Sample Date: 29-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		2.5	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		109.	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		118.	%					
Dibromofluoromethane		113.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-6
Client ID: VPB166-GW-DUP-082917
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1108.D

Sample Date: 29-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	1.6	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		3.3	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	J	0.66	ug/L	1	1	1.0	0.25	0.50
Freon-113		12	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	J	0.91	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.9	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.96	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.48	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		62	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	UL	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-6
Client ID: VPB166-GW-DUP-082917
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1108.D

Sample Date: 29-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		2.9	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		112.	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		120.	%					
Dibromofluoromethane		114.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-7DLRA
Client ID: VPB166-GW-082917-358-360
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1118.D

Sample Date: 29-AUG-17
Received Date: 01-SEP-17
Extract Date: 06-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212918

Analysis Date: 06-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
Chloromethane	U	2.0	ug/L	2	2	4.0	0.72	2.0
Vinyl Chloride	U	2.0	ug/L	2	2	4.0	0.50	2.0
Bromomethane	U	2.0	ug/L	2	2	4.0	0.98	2.0
Chloroethane	U	2.0	ug/L	2	2	4.0	1.1	2.0
Trichlorofluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
1,1-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.70	1.0
Carbon Disulfide	U	1.0	ug/L	2	1	2.0	0.50	1.0
Freon-113		2.0	ug/L	2	1	2.0	0.62	1.0
Methylene Chloride	U	5.0	ug/L	2	5	10.	2.3	5.0
Acetone	U	5.0	ug/L	2	5	10.	4.4	5.0
trans-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.50	1.0
Methyl tert-butyl Ether	U	1.0	ug/L	2	1	2.0	0.72	1.0
1,1-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.42	1.0
cis-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.42	1.0
Chloroform	U	1.0	ug/L	2	1	2.0	0.64	1.0
1,1,1-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
2-Butanone	U	5.0	ug/L	2	5	10.	2.6	5.0
Cyclohexane	U	1.0	ug/L	2	1	2.0	0.62	1.0
Carbon Tetrachloride	U	1.0	ug/L	2	1	2.0	0.44	1.0
Benzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,2-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
Trichloroethene		8.9	ug/L	2	1	2.0	0.56	1.0
1,2-Dichloropropane	U	1.0	ug/L	2	1	2.0	0.50	1.0
Bromodichloromethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
cis-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.38	1.0
Toluene	U	1.0	ug/L	2	1	2.0	0.54	1.0
4-Methyl-2-Pentanone	U	5.0	ug/L	2	5	10.	2.6	5.0
trans-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.40	1.0
1,1,2-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
Tetrachloroethene	U	1.0	ug/L	2	1	2.0	0.80	1.0
Dibromochloromethane	U	1.0	ug/L	2	1	2.0	0.60	1.0
2-Hexanone	UL	5.0	ug/L	2	5	10.	3.4	5.0
Chlorobenzene	U	1.0	ug/L	2	1	2.0	0.44	1.0
Ethylbenzene	U	1.0	ug/L	2	1	2.0	0.42	1.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-7DLRA
Client ID: VPB166-GW-082917-358-360
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1118.D

Sample Date: 29-AUG-17
Received Date: 01-SEP-17
Extract Date: 06-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212918

Analysis Date: 06-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	3.0	ug/L	2	3	6.0	0.50	3.0
Styrene	U	1.0	ug/L	2	1	2.0	0.46	1.0
Bromoform	U	1.0	ug/L	2	1	2.0	0.46	1.0
Isopropylbenzene	U	1.0	ug/L	2	1	2.0	0.46	1.0
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	2	1	2.0	0.76	1.0
1,3-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,4-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.48	1.0
1,2-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.30	1.0
1,2,4-Trichlorobenzene	U	1.0	ug/L	2	1	2.0	0.74	1.0
Methyl Acetate	U	1.5	ug/L	2	1	2.0	1.1	1.5
Methylcyclohexane	U	1.0	ug/L	2	1	2.0	0.60	1.0
o-Xylene	U	1.0	ug/L	2	1	2.0	0.50	1.0
M+P-Xylenes	U	2.0	ug/L	2	2	4.0	1.2	2.0
1,2-Dichloroethylene (Total)	U	2.0	ug/L	2	2	4.0	0.42	2.0
1,2-Dibromoethane	U	1.0	ug/L	2	1	2.0	0.44	1.0
1,2-Dibromo-3-Chloropropane	U	1.5	ug/L	2	1	2.0	1.0	1.5
P-Bromofluorobenzene		109.	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		108.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-8DL
Client ID: VPB166-GW-082917-378-380
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3029.D

Sample Date: 29-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
Chloromethane	U	4.0	ug/L	4	2	8.0	1.4	4.0
Vinyl Chloride	U	4.0	ug/L	4	2	8.0	1.0	4.0
Bromomethane	U	4.0	ug/L	4	2	8.0	2.0	4.0
Chloroethane	U	4.0	ug/L	4	2	8.0	2.2	4.0
Trichlorofluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
1,1-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.4	2.0
Carbon Disulfide	U	2.0	ug/L	4	1	4.0	1.0	2.0
Freon-113	U	2.0	ug/L	4	1	4.0	1.2	2.0
Methylene Chloride	U	10	ug/L	4	5	20.	4.5	10.
Acetone	U	10	ug/L	4	5	20.	8.8	10.
trans-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.0	2.0
Methyl tert-butyl Ether	U	2.0	ug/L	4	1	4.0	1.4	2.0
1,1-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.84	2.0
cis-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	0.84	2.0
Chloroform	U	2.0	ug/L	4	1	4.0	1.3	2.0
1,1,1-Trichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
2-Butanone	U	10	ug/L	4	5	20.	5.2	10.
Cyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
Carbon Tetrachloride	U	2.0	ug/L	4	1	4.0	0.88	2.0
Benzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,2-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
Trichloroethene	U	2.0	ug/L	4	1	4.0	1.1	2.0
1,2-Dichloropropane	U	2.0	ug/L	4	1	4.0	1.0	2.0
Bromodichloromethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
cis-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.76	2.0
Toluene	U	2.0	ug/L	4	1	4.0	1.1	2.0
4-Methyl-2-Pentanone	U	10	ug/L	4	5	20.	5.3	10.
trans-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.80	2.0
1,1,2-Trichloroethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
Tetrachloroethene	U	2.0	ug/L	4	1	4.0	1.6	2.0
Dibromochloromethane	U	2.0	ug/L	4	1	4.0	1.2	2.0
2-Hexanone	U	10	ug/L	4	5	20.	6.8	10.
Chlorobenzene	U	2.0	ug/L	4	1	4.0	0.88	2.0
Ethylbenzene	U	2.0	ug/L	4	1	4.0	0.84	2.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-8DL
Client ID: VPB166-GW-082917-378-380
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3029.D

Sample Date: 29-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	6.0	ug/L	4	3	12.	1.0	6.0
Styrene	U	2.0	ug/L	4	1	4.0	0.92	2.0
Bromoform	U	2.0	ug/L	4	1	4.0	0.92	2.0
Isopropylbenzene	U	2.0	ug/L	4	1	4.0	0.92	2.0
1,1,2,2-Tetrachloroethane	U	2.0	ug/L	4	1	4.0	1.5	2.0
1,3-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,4-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.96	2.0
1,2-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.60	2.0
1,2,4-Trichlorobenzene	U	2.0	ug/L	4	1	4.0	1.5	2.0
Methyl Acetate	U	3.0	ug/L	4	1	4.0	2.1	3.0
Methylcyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
o-Xylene	U	2.0	ug/L	4	1	4.0	1.0	2.0
M+P-Xylenes	U	4.0	ug/L	4	2	8.0	2.4	4.0
1,2-Dichloroethylene (Total)	U	4.0	ug/L	4	2	8.0	0.84	4.0
1,2-Dibromoethane	U	2.0	ug/L	4	1	4.0	0.88	2.0
1,2-Dibromo-3-Chloropropane	U	3.0	ug/L	4	1	4.0	2.0	3.0
P-Bromofluorobenzene		95.4	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		115.	%					
Dibromofluoromethane		111.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-9DL
Client ID: VPB166-GW-083017-398-400
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3030.D

Sample Date: 30-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
Chloromethane	U	4.0	ug/L	4	2	8.0	1.4	4.0
Vinyl Chloride	U	4.0	ug/L	4	2	8.0	1.0	4.0
Bromomethane	U	4.0	ug/L	4	2	8.0	2.0	4.0
Chloroethane	U	4.0	ug/L	4	2	8.0	2.2	4.0
Trichlorofluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
1,1-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.4	2.0
Carbon Disulfide	U	2.0	ug/L	4	1	4.0	1.0	2.0
Freon-113	U	2.0	ug/L	4	1	4.0	1.2	2.0
Methylene Chloride	U	10	ug/L	4	5	20.	4.5	10.
Acetone	U	10	ug/L	4	5	20.	8.8	10.
trans-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.0	2.0
Methyl tert-butyl Ether	U	2.0	ug/L	4	1	4.0	1.4	2.0
1,1-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.84	2.0
cis-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	0.84	2.0
Chloroform	U	2.0	ug/L	4	1	4.0	1.3	2.0
1,1,1-Trichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
2-Butanone	U	10	ug/L	4	5	20.	5.2	10.
Cyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
Carbon Tetrachloride	U	2.0	ug/L	4	1	4.0	0.88	2.0
Benzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,2-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
Trichloroethene	U	2.0	ug/L	4	1	4.0	1.1	2.0
1,2-Dichloropropane	U	2.0	ug/L	4	1	4.0	1.0	2.0
Bromodichloromethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
cis-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.76	2.0
Toluene	U	2.0	ug/L	4	1	4.0	1.1	2.0
4-Methyl-2-Pentanone	U	10	ug/L	4	5	20.	5.3	10.
trans-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.80	2.0
1,1,2-Trichloroethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
Tetrachloroethene	U	2.0	ug/L	4	1	4.0	1.6	2.0
Dibromochloromethane	U	2.0	ug/L	4	1	4.0	1.2	2.0
2-Hexanone	U	10	ug/L	4	5	20.	6.8	10.
Chlorobenzene	U	2.0	ug/L	4	1	4.0	0.88	2.0
Ethylbenzene	U	2.0	ug/L	4	1	4.0	0.84	2.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-9DL
Client ID: VPB166-GW-083017-398-400
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3030.D

Sample Date: 30-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	6.0	ug/L	4	3	12.	1.0	6.0
Styrene	U	2.0	ug/L	4	1	4.0	0.92	2.0
Bromoform	U	2.0	ug/L	4	1	4.0	0.92	2.0
Isopropylbenzene	U	2.0	ug/L	4	1	4.0	0.92	2.0
1,1,2,2-Tetrachloroethane	U	2.0	ug/L	4	1	4.0	1.5	2.0
1,3-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,4-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.96	2.0
1,2-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.60	2.0
1,2,4-Trichlorobenzene	U	2.0	ug/L	4	1	4.0	1.5	2.0
Methyl Acetate	U	3.0	ug/L	4	1	4.0	2.1	3.0
Methylcyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
o-Xylene	U	2.0	ug/L	4	1	4.0	1.0	2.0
M+P-Xylenes	U	4.0	ug/L	4	2	8.0	2.4	4.0
1,2-Dichloroethylene (Total)	U	4.0	ug/L	4	2	8.0	0.84	4.0
1,2-Dibromoethane	U	2.0	ug/L	4	1	4.0	0.88	2.0
1,2-Dibromo-3-Chloropropane	U	3.0	ug/L	4	1	4.0	2.0	3.0
P-Bromofluorobenzene		97.7	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		111.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-10
Client ID: VPB166-EB-083017
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1101.D

Sample Date: 30-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	L	7.1	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	J	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.22	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	UL	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-10
Client ID: VPB166-EB-083017
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1101.D

Sample Date: 30-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		109.	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		110.	%					
Dibromofluoromethane		108.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-11DL
Client ID: VPB166-GW-083017-418-420
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3028.D

Sample Date: 30-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
Chloromethane	U	2.0	ug/L	2	2	4.0	0.72	2.0
Vinyl Chloride	U	2.0	ug/L	2	2	4.0	0.50	2.0
Bromomethane	U	2.0	ug/L	2	2	4.0	0.98	2.0
Chloroethane	U	2.0	ug/L	2	2	4.0	1.1	2.0
Trichlorofluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
1,1-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.70	1.0
Carbon Disulfide	U	1.0	ug/L	2	1	2.0	0.50	1.0
Freon-113	U	1.0	ug/L	2	1	2.0	0.62	1.0
Methylene Chloride	U	5.0	ug/L	2	5	10.	2.3	5.0
Acetone	U	5.0	ug/L	2	5	10.	4.4	5.0
trans-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.50	1.0
Methyl tert-butyl Ether	U	1.0	ug/L	2	1	2.0	0.72	1.0
1,1-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.42	1.0
cis-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.42	1.0
Chloroform	U	1.0	ug/L	2	1	2.0	0.64	1.0
1,1,1-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
2-Butanone	U	5.0	ug/L	2	5	10.	2.6	5.0
Cyclohexane	U	1.0	ug/L	2	1	2.0	0.62	1.0
Carbon Tetrachloride	U	1.0	ug/L	2	1	2.0	0.44	1.0
Benzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,2-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
Trichloroethene	U	1.0	ug/L	2	1	2.0	0.56	1.0
1,2-Dichloropropane	U	1.0	ug/L	2	1	2.0	0.50	1.0
Bromodichloromethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
cis-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.38	1.0
Toluene	U	1.0	ug/L	2	1	2.0	0.54	1.0
4-Methyl-2-Pentanone	U	5.0	ug/L	2	5	10.	2.6	5.0
trans-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.40	1.0
1,1,2-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
Tetrachloroethene	U	1.0	ug/L	2	1	2.0	0.80	1.0
Dibromochloromethane	U	1.0	ug/L	2	1	2.0	0.60	1.0
2-Hexanone	U	5.0	ug/L	2	5	10.	3.4	5.0
Chlorobenzene	U	1.0	ug/L	2	1	2.0	0.44	1.0
Ethylbenzene	U	1.0	ug/L	2	1	2.0	0.42	1.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-11DL
Client ID: VPB166-GW-083017-418-420
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3028.D

Sample Date: 30-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	3.0	ug/L	2	3	6.0	0.50	3.0
Styrene	U	1.0	ug/L	2	1	2.0	0.46	1.0
Bromoform	U	1.0	ug/L	2	1	2.0	0.46	1.0
Isopropylbenzene	U	1.0	ug/L	2	1	2.0	0.46	1.0
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	2	1	2.0	0.76	1.0
1,3-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,4-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.48	1.0
1,2-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.30	1.0
1,2,4-Trichlorobenzene	U	1.0	ug/L	2	1	2.0	0.74	1.0
Methyl Acetate	U	1.5	ug/L	2	1	2.0	1.1	1.5
Methylcyclohexane	U	1.0	ug/L	2	1	2.0	0.60	1.0
o-Xylene	U	1.0	ug/L	2	1	2.0	0.50	1.0
M+P-Xylenes	U	2.0	ug/L	2	2	4.0	1.2	2.0
1,2-Dichloroethylene (Total)	U	2.0	ug/L	2	2	4.0	0.42	2.0
1,2-Dibromoethane	U	1.0	ug/L	2	1	2.0	0.44	1.0
1,2-Dibromo-3-Chloropropane	U	1.5	ug/L	2	1	2.0	1.0	1.5
P-Bromofluorobenzene		97.8	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		109.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-12DL
Client ID: VPB166-GW-082417-138-140
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1102.D

Sample Date: 24-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	5.0	ug/L	5	2	10.	1.2	5.0
Chloromethane	U	5.0	ug/L	5	2	10.	1.8	5.0
Vinyl Chloride	U	5.0	ug/L	5	2	10.	1.2	5.0
Bromomethane	U	5.0	ug/L	5	2	10.	2.4	5.0
Chloroethane	U	5.0	ug/L	5	2	10.	2.8	5.0
Trichlorofluoromethane	U	5.0	ug/L	5	2	10.	1.2	5.0
1,1-Dichloroethene	U	2.5	ug/L	5	1	5.0	1.8	2.5
Carbon Disulfide	U	2.5	ug/L	5	1	5.0	1.2	2.5
Freon-113	U	2.5	ug/L	5	1	5.0	1.6	2.5
Methylene Chloride	U	12	ug/L	5	5	25.	5.6	12.
Acetone	JL	15	ug/L	5	5	25.	11.	12.
trans-1,2-Dichloroethene	U	2.5	ug/L	5	1	5.0	1.2	2.5
Methyl tert-butyl Ether	U	2.5	ug/L	5	1	5.0	1.8	2.5
1,1-Dichloroethane	U	2.5	ug/L	5	1	5.0	1.0	2.5
cis-1,2-Dichloroethene	U	2.5	ug/L	5	1	5.0	1.0	2.5
Chloroform	U	2.5	ug/L	5	1	5.0	1.6	2.5
1,1,1-Trichloroethane	U	2.5	ug/L	5	1	5.0	1.0	2.5
2-Butanone	U	12	ug/L	5	5	25.	6.6	12.
Cyclohexane	U	2.5	ug/L	5	1	5.0	1.6	2.5
Carbon Tetrachloride	U	2.5	ug/L	5	1	5.0	1.1	2.5
Benzene	U	2.5	ug/L	5	1	5.0	1.3	2.5
1,2-Dichloroethane	J	1.1	ug/L	5	1	5.0	1.0	2.5
Trichloroethene	U	2.5	ug/L	5	1	5.0	1.4	2.5
1,2-Dichloropropane	U	2.5	ug/L	5	1	5.0	1.2	2.5
Bromodichloromethane	U	2.5	ug/L	5	1	5.0	1.6	2.5
cis-1,3-Dichloropropene	U	2.5	ug/L	5	1	5.0	0.95	2.5
Toluene	U	2.5	ug/L	5	1	5.0	1.4	2.5
4-Methyl-2-Pentanone	U	12	ug/L	5	5	25.	6.6	12.
trans-1,3-Dichloropropene	U	2.5	ug/L	5	1	5.0	1.0	2.5
1,1,2-Trichloroethane	U	2.5	ug/L	5	1	5.0	1.6	2.5
Tetrachloroethene	U	2.5	ug/L	5	1	5.0	2.0	2.5
Dibromochloromethane	U	2.5	ug/L	5	1	5.0	1.5	2.5
2-Hexanone	UL	12	ug/L	5	5	25.	8.5	12.
Chlorobenzene	U	2.5	ug/L	5	1	5.0	1.1	2.5
Ethylbenzene	U	2.5	ug/L	5	1	5.0	1.0	2.5

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-12DL
Client ID: VPB166-GW-082417-138-140
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1102.D

Sample Date: 24-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	7.5	ug/L	5	3	15.	1.2	7.5
Styrene	U	2.5	ug/L	5	1	5.0	1.2	2.5
Bromoform	U	2.5	ug/L	5	1	5.0	1.2	2.5
Isopropylbenzene	U	2.5	ug/L	5	1	5.0	1.2	2.5
1,1,2,2-Tetrachloroethane	U	2.5	ug/L	5	1	5.0	1.9	2.5
1,3-Dichlorobenzene	U	2.5	ug/L	5	1	5.0	1.3	2.5
1,4-Dichlorobenzene	U	2.5	ug/L	5	1	5.0	1.2	2.5
1,2-Dichlorobenzene	U	2.5	ug/L	5	1	5.0	0.75	2.5
1,2,4-Trichlorobenzene	U	2.5	ug/L	5	1	5.0	1.8	2.5
Methyl Acetate	U	3.8	ug/L	5	1	5.0	2.6	3.8
Methylcyclohexane	U	2.5	ug/L	5	1	5.0	1.5	2.5
o-Xylene	U	2.5	ug/L	5	1	5.0	1.2	2.5
M+P-Xylenes	U	5.0	ug/L	5	2	10.	3.0	5.0
1,2-Dichloroethylene (Total)	U	5.0	ug/L	5	2	10.	1.0	5.0
1,2-Dibromoethane	U	2.5	ug/L	5	1	5.0	1.1	2.5
1,2-Dibromo-3-Chloropropane	U	3.8	ug/L	5	1	5.0	2.5	3.8
P-Bromofluorobenzene		108.	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		112.	%					
Dibromofluoromethane		109.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-13
Client ID: VPB166-GW-082417-198-200
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1103.D

Sample Date: 24-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	JL	3.1	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether		5.4	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.25	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		4.7	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		1.0	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	UL	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-13
Client ID: VPB166-GW-082417-198-200
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: W1103.D

Sample Date: 24-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212860

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		108.	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		114.	%					
Dibromofluoromethane		112.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-14
Client ID: VPB166-GW-082517-218-220
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3031.D

Sample Date: 25-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.50	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		1.4	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		6.8	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether		1.7	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	J	0.94	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.7	ug/L	1	1	1.0	0.21	0.50
Chloroform		1.5	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		110	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		3.3	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-14
Client ID: VPB166-GW-082517-218-220
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3031.D

Sample Date: 25-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	1.7	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		96.3	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		110.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-15
Client ID: VPB166-GW-082517-238-240
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3032.D

Sample Date: 25-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.56	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		1.9	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		7.7	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether		1.7	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane		1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.5	ug/L	1	1	1.0	0.21	0.50
Chloroform		1.6	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		94	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		1.5	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-15
Client ID: VPB166-GW-082517-238-240
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3032.D

Sample Date: 25-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	1.5	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		95.7	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		119.	%					
Dibromofluoromethane		111.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-16
Client ID: VPB166-GW-082517-258-260
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3033.D

Sample Date: 25-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	J	0.47	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.42	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-16
Client ID: VPB166-GW-082517-258-260
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3033.D

Sample Date: 25-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		95.7	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		117.	%					
Dibromofluoromethane		107.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-17
Client ID: VPB166-GW-083117-438-440
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3034.D

Sample Date: 31-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-17
Client ID: VPB166-GW-083117-438-440
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3034.D

Sample Date: 31-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		96.3	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		119.	%					
Dibromofluoromethane		109.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-18DL
Client ID: VPB166-GW-083117-458-460
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3035.D

Sample Date: 31-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
Chloromethane	J	0.72	ug/L	2	2	4.0	0.72	2.0
Vinyl Chloride	U	2.0	ug/L	2	2	4.0	0.50	2.0
Bromomethane	U	2.0	ug/L	2	2	4.0	0.98	2.0
Chloroethane	U	2.0	ug/L	2	2	4.0	1.1	2.0
Trichlorofluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
1,1-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.70	1.0
Carbon Disulfide	U	1.0	ug/L	2	1	2.0	0.50	1.0
Freon-113	U	1.0	ug/L	2	1	2.0	0.62	1.0
Methylene Chloride	U	5.0	ug/L	2	5	10.	2.3	5.0
Acetone	U	5.0	ug/L	2	5	10.	4.4	5.0
trans-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.50	1.0
Methyl tert-butyl Ether	U	1.0	ug/L	2	1	2.0	0.72	1.0
1,1-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.42	1.0
cis-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.42	1.0
Chloroform	U	1.0	ug/L	2	1	2.0	0.64	1.0
1,1,1-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
2-Butanone	U	5.0	ug/L	2	5	10.	2.6	5.0
Cyclohexane	U	1.0	ug/L	2	1	2.0	0.62	1.0
Carbon Tetrachloride	U	1.0	ug/L	2	1	2.0	0.44	1.0
Benzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,2-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
Trichloroethene	U	1.0	ug/L	2	1	2.0	0.56	1.0
1,2-Dichloropropane	U	1.0	ug/L	2	1	2.0	0.50	1.0
Bromodichloromethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
cis-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.38	1.0
Toluene	U	1.0	ug/L	2	1	2.0	0.54	1.0
4-Methyl-2-Pentanone	U	5.0	ug/L	2	5	10.	2.6	5.0
trans-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.40	1.0
1,1,2-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
Tetrachloroethene	U	1.0	ug/L	2	1	2.0	0.80	1.0
Dibromochloromethane	U	1.0	ug/L	2	1	2.0	0.60	1.0
2-Hexanone	U	5.0	ug/L	2	5	10.	3.4	5.0
Chlorobenzene	U	1.0	ug/L	2	1	2.0	0.44	1.0
Ethylbenzene	U	1.0	ug/L	2	1	2.0	0.42	1.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-18DL
Client ID: VPB166-GW-083117-458-460
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3035.D

Sample Date: 31-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	3.0	ug/L	2	3	6.0	0.50	3.0
Styrene	U	1.0	ug/L	2	1	2.0	0.46	1.0
Bromoform	U	1.0	ug/L	2	1	2.0	0.46	1.0
Isopropylbenzene	U	1.0	ug/L	2	1	2.0	0.46	1.0
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	2	1	2.0	0.76	1.0
1,3-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,4-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.48	1.0
1,2-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.30	1.0
1,2,4-Trichlorobenzene	U	1.0	ug/L	2	1	2.0	0.74	1.0
Methyl Acetate	U	1.5	ug/L	2	1	2.0	1.1	1.5
Methylcyclohexane	U	1.0	ug/L	2	1	2.0	0.60	1.0
o-Xylene	U	1.0	ug/L	2	1	2.0	0.50	1.0
M+P-Xylenes	U	2.0	ug/L	2	2	4.0	1.2	2.0
1,2-Dichloroethylene (Total)	U	2.0	ug/L	2	2	4.0	0.42	2.0
1,2-Dibromoethane	U	1.0	ug/L	2	1	2.0	0.44	1.0
1,2-Dibromo-3-Chloropropane	U	1.5	ug/L	2	1	2.0	1.0	1.5
P-Bromofluorobenzene		96.8	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		118.	%					
Dibromofluoromethane		109.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-19
Client ID: VPB166-GW-083117-478-480
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3036.D

Sample Date: 31-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.52	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		2.0	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.28	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		4.0	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK7847-19
Client ID: VPB166-GW-083117-478-480
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK7847
Lab File ID: C3036.D

Sample Date: 31-AUG-17
Received Date: 01-SEP-17
Extract Date: 05-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG212858

Analysis Date: 05-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	0.28	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		95.6	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		114.	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-1
Client ID: TB02-WQ-090117
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2337.D

Sample Date: 01-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	UL	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-1
Client ID: TB02-WQ-090117
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2337.D

Sample Date: 01-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		97.9	%					
Toluene-d8		99.0	%					
1,2-Dichloroethane-d4		106.	%					
Dibromofluoromethane		102.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-2
Client ID: VPB166-GW-090117-498-500
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2339.D

Sample Date: 01-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.86	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		1.1	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		9.1	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	UL	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.6	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		100	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-2
Client ID: VPB166-GW-090117-498-500
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2339.D

Sample Date: 01-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	1.6	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		98.1	%					
Toluene-d8		98.7	%					
1,2-Dichloroethane-d4		110.	%					
Dibromofluoromethane		105.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-3RA
Client ID: VPB166-GW-090117-518-520
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2360.D

Sample Date: 01-SEP-17
Received Date: 09-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	J	0.47	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		3.4	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	UL	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.4	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		100	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		2.8	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-3RA
Client ID: VPB166-GW-090117-518-520
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2360.D

Sample Date: 01-SEP-17
Received Date: 09-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	1.4	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		97.5	%					
Toluene-d8		99.2	%					
1,2-Dichloroethane-d4		104.	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-4DL
Client ID: VPB166-GW-090517-538-540
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2344.D

Sample Date: 05-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	10	ug/L	10	2	20.	2.4	10.
Chloromethane	U	10	ug/L	10	2	20.	3.6	10.
Vinyl Chloride	U	10	ug/L	10	2	20.	2.5	10.
Bromomethane	U	10	ug/L	10	2	20.	4.9	10.
Chloroethane	U	10	ug/L	10	2	20.	5.5	10.
Trichlorofluoromethane	U	10	ug/L	10	2	20.	2.4	10.
1,1-Dichloroethene	U	5.0	ug/L	10	1	10.	3.5	5.0
Carbon Disulfide	U	5.0	ug/L	10	1	10.	2.5	5.0
Freon-113	U	5.0	ug/L	10	1	10.	3.1	5.0
Methylene Chloride	U	25	ug/L	10	5	50.	11.	25.
Acetone	UL	25	ug/L	10	5	50.	22.	25.
trans-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.5	5.0
Methyl tert-butyl Ether	UL	5.0	ug/L	10	1	10.	3.6	5.0
1,1-Dichloroethane	U	5.0	ug/L	10	1	10.	2.1	5.0
cis-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.1	5.0
Chloroform	U	5.0	ug/L	10	1	10.	3.2	5.0
1,1,1-Trichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
2-Butanone	U	25	ug/L	10	5	50.	13.	25.
Cyclohexane	U	5.0	ug/L	10	1	10.	3.1	5.0
Carbon Tetrachloride	U	5.0	ug/L	10	1	10.	2.2	5.0
Benzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,2-Dichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
Trichloroethene	J	4.5	ug/L	10	1	10.	2.8	5.0
1,2-Dichloropropane	U	5.0	ug/L	10	1	10.	2.5	5.0
Bromodichloromethane	U	5.0	ug/L	10	1	10.	3.3	5.0
cis-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	1.9	5.0
Toluene	U	5.0	ug/L	10	1	10.	2.7	5.0
4-Methyl-2-Pentanone	U	25	ug/L	10	5	50.	13.	25.
trans-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	2.0	5.0
1,1,2-Trichloroethane	U	5.0	ug/L	10	1	10.	3.3	5.0
Tetrachloroethene	U	5.0	ug/L	10	1	10.	4.0	5.0
Dibromochloromethane	U	5.0	ug/L	10	1	10.	3.0	5.0
2-Hexanone	U	25	ug/L	10	5	50.	17.	25.
Chlorobenzene	U	5.0	ug/L	10	1	10.	2.2	5.0
Ethylbenzene	U	5.0	ug/L	10	1	10.	2.1	5.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-4DL
Client ID: VPB166-GW-090517-538-540
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2344.D

Sample Date: 05-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	15	ug/L	10	3	30.	2.5	15.
Styrene	U	5.0	ug/L	10	1	10.	2.3	5.0
Bromoform	U	5.0	ug/L	10	1	10.	2.3	5.0
Isopropylbenzene	U	5.0	ug/L	10	1	10.	2.3	5.0
1,1,2,2-Tetrachloroethane	U	5.0	ug/L	10	1	10.	3.8	5.0
1,3-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,4-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.4	5.0
1,2-Dichlorobenzene	U	5.0	ug/L	10	1	10.	1.5	5.0
1,2,4-Trichlorobenzene	U	5.0	ug/L	10	1	10.	3.7	5.0
Methyl Acetate	U	7.5	ug/L	10	1	10.	5.3	7.5
Methylcyclohexane	U	5.0	ug/L	10	1	10.	3.0	5.0
o-Xylene	U	5.0	ug/L	10	1	10.	2.5	5.0
M+P-Xylenes	U	10	ug/L	10	2	20.	5.9	10.
1,2-Dichloroethylene (Total)	U	10	ug/L	10	2	20.	2.1	10.
1,2-Dibromoethane	U	5.0	ug/L	10	1	10.	2.2	5.0
1,2-Dibromo-3-Chloropropane	U	7.5	ug/L	10	1	10.	5.0	7.5
P-Bromofluorobenzene		98.8	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		107.	%					
Dibromofluoromethane		103.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-5
Client ID: VPB166-GW-090517-563-565
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2340.D

Sample Date: 05-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	1.1	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		1.1	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		9.5	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	ULMM	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.0	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.49	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	E	160	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		2.4	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-5
Client ID: VPB166-GW-090517-563-565
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2340.D

Sample Date: 05-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		2.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		97.4	%					
Toluene-d8		99.2	%					
1,2-Dichloroethane-d4		107.	%					
Dibromofluoromethane		105.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-6
Client ID: VPB166-GW-090617-583-585
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2341.D

Sample Date: 06-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.68	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		1.4	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		8.5	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	UL	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.8	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.66	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	E	240	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		4.5	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-6
Client ID: VPB166-GW-090617-583-585
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2341.D

Sample Date: 06-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		2.8	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		96.1	%					
Toluene-d8		98.4	%					
1,2-Dichloroethane-d4		105.	%					
Dibromofluoromethane		101.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-7DLRA
Client ID: VPB166-GW-090717-598-600
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2361.D

Sample Date: 07-SEP-17
Received Date: 09-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	10	ug/L	10	2	20.	2.4	10.
Chloromethane	U	10	ug/L	10	2	20.	3.6	10.
Vinyl Chloride	U	10	ug/L	10	2	20.	2.5	10.
Bromomethane	U	10	ug/L	10	2	20.	4.9	10.
Chloroethane	U	10	ug/L	10	2	20.	5.5	10.
Trichlorofluoromethane	U	10	ug/L	10	2	20.	2.4	10.
1,1-Dichloroethene	U	5.0	ug/L	10	1	10.	3.5	5.0
Carbon Disulfide	U	5.0	ug/L	10	1	10.	2.5	5.0
Freon-113	U	5.0	ug/L	10	1	10.	3.1	5.0
Methylene Chloride	U	25	ug/L	10	5	50.	11.	25.
Acetone	U	25	ug/L	10	5	50.	22.	25.
trans-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.5	5.0
Methyl tert-butyl Ether	UL	5.0	ug/L	10	1	10.	3.6	5.0
1,1-Dichloroethane	U	5.0	ug/L	10	1	10.	2.1	5.0
cis-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.1	5.0
Chloroform	U	5.0	ug/L	10	1	10.	3.2	5.0
1,1,1-Trichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
2-Butanone	U	25	ug/L	10	5	50.	13.	25.
Cyclohexane	U	5.0	ug/L	10	1	10.	3.1	5.0
Carbon Tetrachloride	U	5.0	ug/L	10	1	10.	2.2	5.0
Benzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,2-Dichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
Trichloroethene	U	5.0	ug/L	10	1	10.	2.8	5.0
1,2-Dichloropropane	U	5.0	ug/L	10	1	10.	2.5	5.0
Bromodichloromethane	U	5.0	ug/L	10	1	10.	3.3	5.0
cis-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	1.9	5.0
Toluene	U	5.0	ug/L	10	1	10.	2.7	5.0
4-Methyl-2-Pentanone	U	25	ug/L	10	5	50.	13.	25.
trans-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	2.0	5.0
1,1,2-Trichloroethane	U	5.0	ug/L	10	1	10.	3.3	5.0
Tetrachloroethene	U	5.0	ug/L	10	1	10.	4.0	5.0
Dibromochloromethane	U	5.0	ug/L	10	1	10.	3.0	5.0
2-Hexanone	U	25	ug/L	10	5	50.	17.	25.
Chlorobenzene	U	5.0	ug/L	10	1	10.	2.2	5.0
Ethylbenzene	U	5.0	ug/L	10	1	10.	2.1	5.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-7DLRA
Client ID: VPB166-GW-090717-598-600
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2361.D

Sample Date: 07-SEP-17
Received Date: 09-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	15	ug/L	10	3	30.	2.5	15.
Styrene	U	5.0	ug/L	10	1	10.	2.3	5.0
Bromoform	U	5.0	ug/L	10	1	10.	2.3	5.0
Isopropylbenzene	U	5.0	ug/L	10	1	10.	2.3	5.0
1,1,2,2-Tetrachloroethane	U	5.0	ug/L	10	1	10.	3.8	5.0
1,3-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,4-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.4	5.0
1,2-Dichlorobenzene	U	5.0	ug/L	10	1	10.	1.5	5.0
1,2,4-Trichlorobenzene	U	5.0	ug/L	10	1	10.	3.7	5.0
Methyl Acetate	U	7.5	ug/L	10	1	10.	5.3	7.5
Methylcyclohexane	U	5.0	ug/L	10	1	10.	3.0	5.0
o-Xylene	U	5.0	ug/L	10	1	10.	2.5	5.0
M+P-Xylenes	U	10	ug/L	10	2	20.	5.9	10.
1,2-Dichloroethylene (Total)	U	10	ug/L	10	2	20.	2.1	10.
1,2-Dibromoethane	U	5.0	ug/L	10	1	10.	2.2	5.0
1,2-Dibromo-3-Chloropropane	U	7.5	ug/L	10	1	10.	5.0	7.5
P-Bromofluorobenzene		98.7	%					
Toluene-d8		99.2	%					
1,2-Dichloroethane-d4		104.	%					
Dibromofluoromethane		102.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-8
Client ID: VPB166-GW-090717-618-620
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2345.D

Sample Date: 07-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.63	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		3.0	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		9.5	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	UL	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	J	0.67	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.1	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.95	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride		1.2	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	E	180	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	J	0.38	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-8
Client ID: VPB166-GW-090717-618-620
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2345.D

Sample Date: 07-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		2.1	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		96.8	%					
Toluene-d8		98.0	%					
1,2-Dichloroethane-d4		107.	%					
Dibromofluoromethane		103.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-9
Client ID: VPB166-GW-DUP02
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2342.D

Sample Date: 01-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.76	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		1.6	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		9.7	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	UL	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.8	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	E	260	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		4.9	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8092-9
Client ID: VPB166-GW-DUP02
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8092
Lab File ID: P2342.D

Sample Date: 01-SEP-17
Received Date: 09-SEP-17
Extract Date: 12-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213222

Analysis Date: 12-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		2.8	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		97.8	%					
Toluene-d8		98.7	%					
1,2-Dichloroethane-d4		106.	%					
Dibromofluoromethane		102.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-1
Client ID: VPB166-TB-090817
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2362.D

Sample Date: 08-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-1
Client ID: VPB166-TB-090817
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2362.D

Sample Date: 08-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		99.5	%					
Toluene-d8		99.2	%					
1,2-Dichloroethane-d4		104.	%					
Dibromofluoromethane		101.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-2DL
Client ID: VPB166-GW-090817-658-660
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2367.D

Sample Date: 08-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
Chloromethane	U	4.0	ug/L	4	2	8.0	1.4	4.0
Vinyl Chloride	U	4.0	ug/L	4	2	8.0	1.0	4.0
Bromomethane	U	4.0	ug/L	4	2	8.0	2.0	4.0
Chloroethane	U	4.0	ug/L	4	2	8.0	2.2	4.0
Trichlorofluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
1,1-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.4	2.0
Carbon Disulfide	U	2.0	ug/L	4	1	4.0	1.0	2.0
Freon-113	U	2.0	ug/L	4	1	4.0	1.2	2.0
Methylene Chloride	U	10	ug/L	4	5	20.	4.5	10.
Acetone	U	10	ug/L	4	5	20.	8.8	10.
trans-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.0	2.0
Methyl tert-butyl Ether	U	2.0	ug/L	4	1	4.0	1.4	2.0
1,1-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.84	2.0
cis-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	0.84	2.0
Chloroform	U	2.0	ug/L	4	1	4.0	1.3	2.0
1,1,1-Trichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
2-Butanone	U	10	ug/L	4	5	20.	5.2	10.
Cyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
Carbon Tetrachloride	U	2.0	ug/L	4	1	4.0	0.88	2.0
Benzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,2-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
Trichloroethene		12	ug/L	4	1	4.0	1.1	2.0
1,2-Dichloropropane	U	2.0	ug/L	4	1	4.0	1.0	2.0
Bromodichloromethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
cis-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.76	2.0
Toluene	U	2.0	ug/L	4	1	4.0	1.1	2.0
4-Methyl-2-Pentanone	U	10	ug/L	4	5	20.	5.3	10.
trans-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.80	2.0
1,1,2-Trichloroethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
Tetrachloroethene	U	2.0	ug/L	4	1	4.0	1.6	2.0
Dibromochloromethane	U	2.0	ug/L	4	1	4.0	1.2	2.0
2-Hexanone	U	10	ug/L	4	5	20.	6.8	10.
Chlorobenzene	U	2.0	ug/L	4	1	4.0	0.88	2.0
Ethylbenzene	U	2.0	ug/L	4	1	4.0	0.84	2.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-2DL
Client ID: VPB166-GW-090817-658-660
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2367.D

Sample Date: 08-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	6.0	ug/L	4	3	12.	1.0	6.0
Styrene	U	2.0	ug/L	4	1	4.0	0.92	2.0
Bromoform	U	2.0	ug/L	4	1	4.0	0.92	2.0
Isopropylbenzene	U	2.0	ug/L	4	1	4.0	0.92	2.0
1,1,2,2-Tetrachloroethane	U	2.0	ug/L	4	1	4.0	1.5	2.0
1,3-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,4-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.96	2.0
1,2-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.60	2.0
1,2,4-Trichlorobenzene	U	2.0	ug/L	4	1	4.0	1.5	2.0
Methyl Acetate	U	3.0	ug/L	4	1	4.0	2.1	3.0
Methylcyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
o-Xylene	U	2.0	ug/L	4	1	4.0	1.0	2.0
M+P-Xylenes	U	4.0	ug/L	4	2	8.0	2.4	4.0
1,2-Dichloroethylene (Total)	U	4.0	ug/L	4	2	8.0	0.84	4.0
1,2-Dibromoethane	U	2.0	ug/L	4	1	4.0	0.88	2.0
1,2-Dibromo-3-Chloropropane	U	3.0	ug/L	4	1	4.0	2.0	3.0
P-Bromofluorobenzene		99.5	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		109.	%					
Dibromofluoromethane		103.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-3DL
Client ID: VPB166-GW-090817-678-680
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2368.D

Sample Date: 08-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	10	ug/L	10	2	20.	2.4	10.
Chloromethane	U	10	ug/L	10	2	20.	3.6	10.
Vinyl Chloride	U	10	ug/L	10	2	20.	2.5	10.
Bromomethane	U	10	ug/L	10	2	20.	4.9	10.
Chloroethane	U	10	ug/L	10	2	20.	5.5	10.
Trichlorofluoromethane	U	10	ug/L	10	2	20.	2.4	10.
1,1-Dichloroethene	U	5.0	ug/L	10	1	10.	3.5	5.0
Carbon Disulfide	U	5.0	ug/L	10	1	10.	2.5	5.0
Freon-113	U	5.0	ug/L	10	1	10.	3.1	5.0
Methylene Chloride	U	25	ug/L	10	5	50.	11.	25.
Acetone	U	25	ug/L	10	5	50.	22.	25.
trans-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.5	5.0
Methyl tert-butyl Ether	U	5.0	ug/L	10	1	10.	3.6	5.0
1,1-Dichloroethane	U	5.0	ug/L	10	1	10.	2.1	5.0
cis-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.1	5.0
Chloroform	U	5.0	ug/L	10	1	10.	3.2	5.0
1,1,1-Trichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
2-Butanone	U	25	ug/L	10	5	50.	13.	25.
Cyclohexane	U	5.0	ug/L	10	1	10.	3.1	5.0
Carbon Tetrachloride	U	5.0	ug/L	10	1	10.	2.2	5.0
Benzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,2-Dichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
Trichloroethene	U	5.0	ug/L	10	1	10.	2.8	5.0
1,2-Dichloropropane	U	5.0	ug/L	10	1	10.	2.5	5.0
Bromodichloromethane	U	5.0	ug/L	10	1	10.	3.3	5.0
cis-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	1.9	5.0
Toluene	U	5.0	ug/L	10	1	10.	2.7	5.0
4-Methyl-2-Pentanone	U	25	ug/L	10	5	50.	13.	25.
trans-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	2.0	5.0
1,1,2-Trichloroethane	U	5.0	ug/L	10	1	10.	3.3	5.0
Tetrachloroethene	U	5.0	ug/L	10	1	10.	4.0	5.0
Dibromochloromethane	U	5.0	ug/L	10	1	10.	3.0	5.0
2-Hexanone	U	25	ug/L	10	5	50.	17.	25.
Chlorobenzene	U	5.0	ug/L	10	1	10.	2.2	5.0
Ethylbenzene	U	5.0	ug/L	10	1	10.	2.1	5.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-3DL
Client ID: VPB166-GW-090817-678-680
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2368.D

Sample Date: 08-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	15	ug/L	10	3	30.	2.5	15.
Styrene	U	5.0	ug/L	10	1	10.	2.3	5.0
Bromoform	U	5.0	ug/L	10	1	10.	2.3	5.0
Isopropylbenzene	U	5.0	ug/L	10	1	10.	2.3	5.0
1,1,2,2-Tetrachloroethane	U	5.0	ug/L	10	1	10.	3.8	5.0
1,3-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,4-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.4	5.0
1,2-Dichlorobenzene	U	5.0	ug/L	10	1	10.	1.5	5.0
1,2,4-Trichlorobenzene	U	5.0	ug/L	10	1	10.	3.7	5.0
Methyl Acetate	U	7.5	ug/L	10	1	10.	5.3	7.5
Methylcyclohexane	U	5.0	ug/L	10	1	10.	3.0	5.0
o-Xylene	U	5.0	ug/L	10	1	10.	2.5	5.0
M+P-Xylenes	U	10	ug/L	10	2	20.	5.9	10.
1,2-Dichloroethylene (Total)	U	10	ug/L	10	2	20.	2.1	10.
1,2-Dibromoethane	U	5.0	ug/L	10	1	10.	2.2	5.0
1,2-Dibromo-3-Chloropropane	U	7.5	ug/L	10	1	10.	5.0	7.5
P-Bromofluorobenzene		99.7	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		110.	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-4DL
Client ID: VPB166-GW-091117-683-685
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2369.D

Sample Date: 11-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
Chloromethane	U	4.0	ug/L	4	2	8.0	1.4	4.0
Vinyl Chloride	U	4.0	ug/L	4	2	8.0	1.0	4.0
Bromomethane	U	4.0	ug/L	4	2	8.0	2.0	4.0
Chloroethane	U	4.0	ug/L	4	2	8.0	2.2	4.0
Trichlorofluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
1,1-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.4	2.0
Carbon Disulfide	U	2.0	ug/L	4	1	4.0	1.0	2.0
Freon-113	U	2.0	ug/L	4	1	4.0	1.2	2.0
Methylene Chloride	U	10	ug/L	4	5	20.	4.5	10.
Acetone	J	10	ug/L	4	5	20.	8.8	10.
trans-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.0	2.0
Methyl tert-butyl Ether	U	2.0	ug/L	4	1	4.0	1.4	2.0
1,1-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.84	2.0
cis-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	0.84	2.0
Chloroform	U	2.0	ug/L	4	1	4.0	1.3	2.0
1,1,1-Trichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
2-Butanone	U	10	ug/L	4	5	20.	5.2	10.
Cyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
Carbon Tetrachloride	U	2.0	ug/L	4	1	4.0	0.88	2.0
Benzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,2-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
Trichloroethene	J	2.8	ug/L	4	1	4.0	1.1	2.0
1,2-Dichloropropane	U	2.0	ug/L	4	1	4.0	1.0	2.0
Bromodichloromethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
cis-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.76	2.0
Toluene	U	2.0	ug/L	4	1	4.0	1.1	2.0
4-Methyl-2-Pentanone	U	10	ug/L	4	5	20.	5.3	10.
trans-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.80	2.0
1,1,2-Trichloroethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
Tetrachloroethene	U	2.0	ug/L	4	1	4.0	1.6	2.0
Dibromochloromethane	U	2.0	ug/L	4	1	4.0	1.2	2.0
2-Hexanone	U	10	ug/L	4	5	20.	6.8	10.
Chlorobenzene	U	2.0	ug/L	4	1	4.0	0.88	2.0
Ethylbenzene	U	2.0	ug/L	4	1	4.0	0.84	2.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-4DL
Client ID: VPB166-GW-091117-683-685
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2369.D

Sample Date: 11-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	6.0	ug/L	4	3	12.	1.0	6.0
Styrene	U	2.0	ug/L	4	1	4.0	0.92	2.0
Bromoform	U	2.0	ug/L	4	1	4.0	0.92	2.0
Isopropylbenzene	U	2.0	ug/L	4	1	4.0	0.92	2.0
1,1,2,2-Tetrachloroethane	U	2.0	ug/L	4	1	4.0	1.5	2.0
1,3-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,4-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.96	2.0
1,2-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.60	2.0
1,2,4-Trichlorobenzene	U	2.0	ug/L	4	1	4.0	1.5	2.0
Methyl Acetate	U	3.0	ug/L	4	1	4.0	2.1	3.0
Methylcyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
o-Xylene	U	2.0	ug/L	4	1	4.0	1.0	2.0
M+P-Xylenes	U	4.0	ug/L	4	2	8.0	2.4	4.0
1,2-Dichloroethylene (Total)	U	4.0	ug/L	4	2	8.0	0.84	4.0
1,2-Dibromoethane	U	2.0	ug/L	4	1	4.0	0.88	2.0
1,2-Dibromo-3-Chloropropane	U	3.0	ug/L	4	1	4.0	2.0	3.0
P-Bromofluorobenzene		100.	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		108.	%					
Dibromofluoromethane		103.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-5
Client ID: VPB166-GW-091117-698-700
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2370.D

Sample Date: 11-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.44	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		12	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		49	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane		2.1	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		3.4	ug/L	1	1	1.0	0.21	0.50
Chloroform		1.5	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride		1.2	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	E	1800	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane		1.5	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		5.0	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8133-5
Client ID: VPB166-GW-091117-698-700
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8133
Lab File ID: P2370.D

Sample Date: 11-SEP-17
Received Date: 12-SEP-17
Extract Date: 13-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213224

Analysis Date: 13-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		3.4	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		96.0	%					
Toluene-d8		97.0	%					
1,2-Dichloroethane-d4		110.	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8265-1
Client ID: VPB166-TB-091217
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8265
Lab File ID: P2386.D

Sample Date: 12-SEP-17
Received Date: 14-SEP-17
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8265-1
Client ID: VPB166-TB-091217
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8265
Lab File ID: P2386.D

Sample Date: 12-SEP-17
Received Date: 14-SEP-17
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		94.9	%					
Toluene-d8		97.6	%					
1,2-Dichloroethane-d4		104.	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8265-2DL
Client ID: VPB166-GW-091217-723-725
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8265
Lab File ID: P2388.D

Sample Date: 12-SEP-17
Received Date: 14-SEP-17
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	10	ug/L	10	2	20.	2.4	10.
Chloromethane	U	10	ug/L	10	2	20.	3.6	10.
Vinyl Chloride	U	10	ug/L	10	2	20.	2.5	10.
Bromomethane	U	10	ug/L	10	2	20.	4.9	10.
Chloroethane	U	10	ug/L	10	2	20.	5.5	10.
Trichlorofluoromethane	U	10	ug/L	10	2	20.	2.4	10.
1,1-Dichloroethene	U	5.0	ug/L	10	1	10.	3.5	5.0
Carbon Disulfide	U	5.0	ug/L	10	1	10.	2.5	5.0
Freon-113	U	5.0	ug/L	10	1	10.	3.1	5.0
Methylene Chloride	U	25	ug/L	10	5	50.	11.	25.
Acetone	U	25	ug/L	10	5	50.	22.	25.
trans-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.5	5.0
Methyl tert-butyl Ether	U	5.0	ug/L	10	1	10.	3.6	5.0
1,1-Dichloroethane	U	5.0	ug/L	10	1	10.	2.1	5.0
cis-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.1	5.0
Chloroform	U	5.0	ug/L	10	1	10.	3.2	5.0
1,1,1-Trichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
2-Butanone	U	25	ug/L	10	5	50.	13.	25.
Cyclohexane	U	5.0	ug/L	10	1	10.	3.1	5.0
Carbon Tetrachloride	U	5.0	ug/L	10	1	10.	2.2	5.0
Benzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,2-Dichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
Trichloroethene	U	5.0	ug/L	10	1	10.	2.8	5.0
1,2-Dichloropropane	U	5.0	ug/L	10	1	10.	2.5	5.0
Bromodichloromethane	U	5.0	ug/L	10	1	10.	3.3	5.0
cis-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	1.9	5.0
Toluene	U	5.0	ug/L	10	1	10.	2.7	5.0
4-Methyl-2-Pentanone	U	25	ug/L	10	5	50.	13.	25.
trans-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	2.0	5.0
1,1,2-Trichloroethane	U	5.0	ug/L	10	1	10.	3.3	5.0
Tetrachloroethene	U	5.0	ug/L	10	1	10.	4.0	5.0
Dibromochloromethane	U	5.0	ug/L	10	1	10.	3.0	5.0
2-Hexanone	U	25	ug/L	10	5	50.	17.	25.
Chlorobenzene	U	5.0	ug/L	10	1	10.	2.2	5.0
Ethylbenzene	U	5.0	ug/L	10	1	10.	2.1	5.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8265-2DL
Client ID: VPB166-GW-091217-723-725
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8265
Lab File ID: P2388.D

Sample Date: 12-SEP-17
Received Date: 14-SEP-17
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	15	ug/L	10	3	30.	2.5	15.
Styrene	U	5.0	ug/L	10	1	10.	2.3	5.0
Bromoform	U	5.0	ug/L	10	1	10.	2.3	5.0
Isopropylbenzene	U	5.0	ug/L	10	1	10.	2.3	5.0
1,1,2,2-Tetrachloroethane	U	5.0	ug/L	10	1	10.	3.8	5.0
1,3-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,4-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.4	5.0
1,2-Dichlorobenzene	U	5.0	ug/L	10	1	10.	1.5	5.0
1,2,4-Trichlorobenzene	U	5.0	ug/L	10	1	10.	3.7	5.0
Methyl Acetate	U	7.5	ug/L	10	1	10.	5.3	7.5
Methylcyclohexane	U	5.0	ug/L	10	1	10.	3.0	5.0
o-Xylene	U	5.0	ug/L	10	1	10.	2.5	5.0
M+P-Xylenes	U	10	ug/L	10	2	20.	5.9	10.
1,2-Dichloroethylene (Total)	U	10	ug/L	10	2	20.	2.1	10.
1,2-Dibromoethane	U	5.0	ug/L	10	1	10.	2.2	5.0
1,2-Dibromo-3-Chloropropane	U	7.5	ug/L	10	1	10.	5.0	7.5
P-Bromofluorobenzene		96.3	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		107.	%					
Dibromofluoromethane		103.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8265-3DL
Client ID: VPB166-GW-091317-738-740
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8265
Lab File ID: P2389.D

Sample Date: 13-SEP-17
Received Date: 14-SEP-17
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	20	ug/L	20	2	40.	4.8	20.
Chloromethane	U	20	ug/L	20	2	40.	7.2	20.
Vinyl Chloride	U	20	ug/L	20	2	40.	5.0	20.
Bromomethane	U	20	ug/L	20	2	40.	9.8	20.
Chloroethane	U	20	ug/L	20	2	40.	11.	20.
Trichlorofluoromethane	U	20	ug/L	20	2	40.	4.8	20.
1,1-Dichloroethene	U	10	ug/L	20	1	20.	7.0	10.
Carbon Disulfide	U	10	ug/L	20	1	20.	5.0	10.
Freon-113	U	10	ug/L	20	1	20.	6.2	10.
Methylene Chloride	U	50	ug/L	20	5	100	23.	50.
Acetone	U	50	ug/L	20	5	100	44.	50.
trans-1,2-Dichloroethene	U	10	ug/L	20	1	20.	5.0	10.
Methyl tert-butyl Ether	U	10	ug/L	20	1	20.	7.2	10.
1,1-Dichloroethane	U	10	ug/L	20	1	20.	4.2	10.
cis-1,2-Dichloroethene	U	10	ug/L	20	1	20.	4.2	10.
Chloroform	U	10	ug/L	20	1	20.	6.4	10.
1,1,1-Trichloroethane	U	10	ug/L	20	1	20.	4.0	10.
2-Butanone	U	50	ug/L	20	5	100	26.	50.
Cyclohexane	U	10	ug/L	20	1	20.	6.2	10.
Carbon Tetrachloride	U	10	ug/L	20	1	20.	4.4	10.
Benzene	U	10	ug/L	20	1	20.	5.2	10.
1,2-Dichloroethane	U	10	ug/L	20	1	20.	4.0	10.
Trichloroethene	U	10	ug/L	20	1	20.	5.6	10.
1,2-Dichloropropane	U	10	ug/L	20	1	20.	5.0	10.
Bromodichloromethane	U	10	ug/L	20	1	20.	6.6	10.
cis-1,3-Dichloropropene	U	10	ug/L	20	1	20.	3.8	10.
Toluene	U	10	ug/L	20	1	20.	5.4	10.
4-Methyl-2-Pentanone	U	50	ug/L	20	5	100	26.	50.
trans-1,3-Dichloropropene	U	10	ug/L	20	1	20.	4.0	10.
1,1,2-Trichloroethane	U	10	ug/L	20	1	20.	6.6	10.
Tetrachloroethene	U	10	ug/L	20	1	20.	8.0	10.
Dibromochloromethane	U	10	ug/L	20	1	20.	6.0	10.
2-Hexanone	U	50	ug/L	20	5	100	34.	50.
Chlorobenzene	U	10	ug/L	20	1	20.	4.4	10.
Ethylbenzene	U	10	ug/L	20	1	20.	4.2	10.

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8265-3DL
Client ID: VPB166-GW-091317-738-740
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8265
Lab File ID: P2389.D

Sample Date: 13-SEP-17
Received Date: 14-SEP-17
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	30	ug/L	20	3	60.	5.0	30.
Styrene	U	10	ug/L	20	1	20.	4.6	10.
Bromoform	U	10	ug/L	20	1	20.	4.6	10.
Isopropylbenzene	U	10	ug/L	20	1	20.	4.6	10.
1,1,2,2-Tetrachloroethane	U	10	ug/L	20	1	20.	7.6	10.
1,3-Dichlorobenzene	U	10	ug/L	20	1	20.	5.2	10.
1,4-Dichlorobenzene	U	10	ug/L	20	1	20.	4.8	10.
1,2-Dichlorobenzene	U	10	ug/L	20	1	20.	3.0	10.
1,2,4-Trichlorobenzene	U	10	ug/L	20	1	20.	7.4	10.
Methyl Acetate	U	15	ug/L	20	1	20.	11.	15.
Methylcyclohexane	U	10	ug/L	20	1	20.	6.0	10.
o-Xylene	U	10	ug/L	20	1	20.	5.0	10.
M+P-Xylenes	U	20	ug/L	20	2	40.	12.	20.
1,2-Dichloroethylene (Total)	U	20	ug/L	20	2	40.	4.2	20.
1,2-Dibromoethane	U	10	ug/L	20	1	20.	4.4	10.
1,2-Dibromo-3-Chloropropane	U	15	ug/L	20	1	20.	10.	15.
P-Bromofluorobenzene		94.7	%					
Toluene-d8		97.7	%					
1,2-Dichloroethane-d4		107.	%					
Dibromofluoromethane		105.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8265-4DL
Client ID: VPB166-GW-091317-758-760
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8265
Lab File ID: P2390.D

Sample Date: 13-SEP-17
Received Date: 14-SEP-17
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	40	ug/L	40	2	80.	9.6	40.
Chloromethane	U	40	ug/L	40	2	80.	14.	40.
Vinyl Chloride	U	40	ug/L	40	2	80.	10.	40.
Bromomethane	U	40	ug/L	40	2	80.	20.	40.
Chloroethane	U	40	ug/L	40	2	80.	22.	40.
Trichlorofluoromethane	U	40	ug/L	40	2	80.	9.6	40.
1,1-Dichloroethene	U	20	ug/L	40	1	40.	14.	20.
Carbon Disulfide	U	20	ug/L	40	1	40.	10.	20.
Freon-113	U	20	ug/L	40	1	40.	12.	20.
Methylene Chloride	U	100	ug/L	40	5	200	45.	100
Acetone	U	100	ug/L	40	5	200	88.	100
trans-1,2-Dichloroethene	U	20	ug/L	40	1	40.	10.	20.
Methyl tert-butyl Ether	U	20	ug/L	40	1	40.	14.	20.
1,1-Dichloroethane	U	20	ug/L	40	1	40.	8.4	20.
cis-1,2-Dichloroethene	U	20	ug/L	40	1	40.	8.4	20.
Chloroform	U	20	ug/L	40	1	40.	13.	20.
1,1,1-Trichloroethane	U	20	ug/L	40	1	40.	8.0	20.
2-Butanone	U	100	ug/L	40	5	200	52.	100
Cyclohexane	U	20	ug/L	40	1	40.	12.	20.
Carbon Tetrachloride	U	20	ug/L	40	1	40.	8.8	20.
Benzene	U	20	ug/L	40	1	40.	10.	20.
1,2-Dichloroethane	U	20	ug/L	40	1	40.	8.0	20.
Trichloroethene	U	20	ug/L	40	1	40.	11.	20.
1,2-Dichloropropane	U	20	ug/L	40	1	40.	10.	20.
Bromodichloromethane	U	20	ug/L	40	1	40.	13.	20.
cis-1,3-Dichloropropene	U	20	ug/L	40	1	40.	7.6	20.
Toluene	U	20	ug/L	40	1	40.	11.	20.
4-Methyl-2-Pentanone	U	100	ug/L	40	5	200	53.	100
trans-1,3-Dichloropropene	U	20	ug/L	40	1	40.	8.0	20.
1,1,2-Trichloroethane	U	20	ug/L	40	1	40.	13.	20.
Tetrachloroethene	U	20	ug/L	40	1	40.	16.	20.
Dibromochloromethane	U	20	ug/L	40	1	40.	12.	20.
2-Hexanone	U	100	ug/L	40	5	200	68.	100
Chlorobenzene	U	20	ug/L	40	1	40.	8.8	20.
Ethylbenzene	U	20	ug/L	40	1	40.	8.4	20.

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8265-4DL
Client ID: VPB166-GW-091317-758-760
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8265
Lab File ID: P2390.D

Sample Date: 13-SEP-17
Received Date: 14-SEP-17
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	60	ug/L	40	3	120	10.	60.
Styrene	U	20	ug/L	40	1	40.	9.2	20.
Bromoform	U	20	ug/L	40	1	40.	9.2	20.
Isopropylbenzene	U	20	ug/L	40	1	40.	9.2	20.
1,1,2,2-Tetrachloroethane	U	20	ug/L	40	1	40.	15.	20.
1,3-Dichlorobenzene	U	20	ug/L	40	1	40.	10.	20.
1,4-Dichlorobenzene	U	20	ug/L	40	1	40.	9.6	20.
1,2-Dichlorobenzene	U	20	ug/L	40	1	40.	6.0	20.
1,2,4-Trichlorobenzene	U	20	ug/L	40	1	40.	15.	20.
Methyl Acetate	U	30	ug/L	40	1	40.	21.	30.
Methylcyclohexane	U	20	ug/L	40	1	40.	12.	20.
o-Xylene	U	20	ug/L	40	1	40.	10.	20.
M+P-Xylenes	U	40	ug/L	40	2	80.	24.	40.
1,2-Dichloroethylene (Total)	U	40	ug/L	40	2	80.	8.4	40.
1,2-Dibromoethane	U	20	ug/L	40	1	40.	8.8	20.
1,2-Dibromo-3-Chloropropane	U	30	ug/L	40	1	40.	20.	30.
P-Bromofluorobenzene		96.6	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		107.	%					
Dibromofluoromethane		103.	%					

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Report of Analytical Results

Client:
Lab ID: WG213354-9
Client ID: Method Blank Sample
Project:
SDG: SK8265
Lab File ID: P2385.D

Sample Date:
Received Date:
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50

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Report of Analytical Results

Client:
Lab ID: WG213354-9
Client ID: Method Blank Sample
Project:
SDG: SK8265
Lab File ID: P2385.D

Sample Date:
Received Date:
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		95.0	%					
Toluene-d8		98.5	%					
1,2-Dichloroethane-d4		101.	%					
Dibromofluoromethane		102.	%					

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Form 2
System Monitoring Compound Recovery

Lab Name: Katahdin Analytical Services **Project:** Navy Clean WE15-03-06 NWIRP Bethpage, NY **Matrix:** AQ
Lab Code: KAS **SDG:** SK8265

Client Sample ID	Lab Sample ID	Col. ID	BFB	#	DBF	#	DCA	#	TOL	#
VPB166-TB-091217	SK8265-1		94.9		104.		104.		97.6	
VPB166-GW-091217-723	SK8265-2DL		96.3		103.		107.		100.	
VPB166-GW-091317-738	SK8265-3DL		94.7		105.		107.		97.7	
VPB166-GW-091317-758	SK8265-4DL		96.6		103.		107.		100.	
Laboratory Control S	WG213354-8		98.5		99.6		94.7		98.7	
Method Blank Sample	WG213354-9		95.0		102.		101.		98.5	

		QC Limits
DCA	1,2-DICHLOROETHANE-D4	70-120
BFB	P-BROMOFLUOROBENZENE	75-120
DBF	DIBROMOFLUOROMETHANE	85-115
TOL	TOLUENE-D8	85-120

= Column to be used to flag recovery limits.
* = Values outside of contract required QC limits.
D= System Monitoring Compound diluted out.

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LCS Recovery Report

Client:
Lab ID: WG213354-8
Client ID: LCS
Project:
SDG: SK8265
LCS File ID: P2382.D

Sample Date:
Received Date:
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	144.	50.0	72.0	ug/L	30-155
Chloromethane	125.	50.0	62.4	ug/L	40-125
Vinyl Chloride	120.	50.0	59.9	ug/L	50-145
Bromomethane	116.	50.0	58.1	ug/L	30-145
Chloroethane	114.	50.0	56.8	ug/L	60-135
Trichlorofluoromethane	109.	50.0	54.3	ug/L	60-145
1,1-Dichloroethene	94.8	50.0	47.4	ug/L	70-130
Carbon Disulfide	86.2	50.0	43.1	ug/L	35-160
Freon-113	100.	50.0	50.2	ug/L	73-126
Methylene Chloride	97.2	50.0	48.6	ug/L	55-140
Acetone	121.	50.0	60.6	ug/L	40-140
trans-1,2-Dichloroethene	93.4	50.0	46.7	ug/L	60-140
Methyl tert-butyl Ether	97.6	50.0	48.8	ug/L	65-125
1,1-Dichloroethane	98.2	50.0	49.1	ug/L	70-135
cis-1,2-Dichloroethene	98.4	50.0	49.2	ug/L	70-125
Chloroform	95.6	50.0	47.8	ug/L	65-135
1,1,1-Trichloroethane	95.2	50.0	47.6	ug/L	65-130
2-Butanone	108.	50.0	53.9	ug/L	30-150
Cyclohexane	101.	50.0	50.5	ug/L	71-133
Carbon Tetrachloride	101.	50.0	50.6	ug/L	65-140
Benzene	92.8	50.0	46.4	ug/L	80-120
1,2-Dichloroethane	91.0	50.0	45.5	ug/L	70-130
Trichloroethene	89.2	50.0	44.6	ug/L	70-125
1,2-Dichloropropane	97.6	50.0	48.8	ug/L	75-125
Bromodichloromethane	97.0	50.0	48.5	ug/L	75-120
cis-1,3-Dichloropropene	95.6	50.0	47.8	ug/L	70-130
Toluene	91.8	50.0	45.9	ug/L	75-120
4-Methyl-2-Pentanone	87.4	50.0	43.7	ug/L	60-135
trans-1,3-Dichloropropene	98.2	50.0	49.1	ug/L	55-140
1,1,2-Trichloroethane	96.0	50.0	48.0	ug/L	75-125
Tetrachloroethene	101.	50.0	50.4	ug/L	45-150
Dibromochloromethane	100.	50.0	50.1	ug/L	60-135
2-Hexanone	97.4	50.0	48.7	ug/L	55-130
Chlorobenzene	94.2	50.0	47.1	ug/L	80-120
Ethylbenzene	98.0	50.0	49.0	ug/L	75-125

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LCS Recovery Report

Client:
Lab ID: WG213354-8
Client ID: LCS
Project:
SDG: SK8265
LCS File ID: P2382.D

Sample Date:
Received Date:
Extract Date: 14-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213354

Analysis Date: 14-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 15-SEP-17

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Xylenes (total)	98.0	150.	147.	ug/L	89-116
Styrene	101.	50.0	50.3	ug/L	65-135
Bromoform	103.	50.0	51.4	ug/L	70-130
Isopropylbenzene	104.	50.0	52.2	ug/L	75-125
1,1,2,2-Tetrachloroethane	96.6	50.0	48.3	ug/L	65-130
1,3-Dichlorobenzene	97.4	50.0	48.7	ug/L	75-125
1,4-Dichlorobenzene	94.4	50.0	47.2	ug/L	75-125
1,2-Dichlorobenzene	98.4	50.0	49.2	ug/L	70-120
1,2,4-Trichlorobenzene	96.8	50.0	48.4	ug/L	65-135
Methyl Acetate	86.6	50.0	43.3	ug/L	70-132
Methylcyclohexane	104.	50.0	51.9	ug/L	73-125
o-Xylene	96.8	50.0	48.4	ug/L	80-120
M+P-Xylenes	99.0	100.	99.0	ug/L	75-130
1,2-Dichloroethylene (Total)	95.9	100.	95.9	ug/L	84-121
1,2-Dibromoethane	98.2	50.0	49.1	ug/L	80-120
1,2-Dibromo-3-Chloropropane	96.8	50.0	48.4	ug/L	50-130
P-Bromofluorobenzene	98.5				75-120
Toluene-d8	98.7				85-120
1,2-Dichloroethane-d4	94.7				70-120
Dibromofluoromethane	99.6				85-115

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Form 4
Method Blank Summary - VOA

Lab Name : Katahdin Analytical Services
SDG : SK8265
Project : Navy Clean WE15-03-06 NWIRP Bethpage,
Lab Sample ID : WG213354-9
Lab File ID : P2385.D
Date Analyzed : 14-SEP-17
Instrument ID : GCMS-P
Time Analyzed : 15:26
Heated Purge : No

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG213354-8	P2382.D	09/14/17	13:27
VPB166-TB-091217	SK8265-1	P2386.D	09/14/17	16:12
VPB166-GW-091217-723-725	SK8265-2DL	P2388.D	09/14/17	17:19
VPB166-GW-091317-738-740	SK8265-3DL	P2389.D	09/14/17	17:53
VPB166-GW-091317-758-760	SK8265-4DL	P2390.D	09/14/17	18:27

Form 5
Volatile Organic Instrument Performance Check

Lab Name : Katahdin Analytical Services
Project : Navy Clean WE15-03-06 NWIRP Bethpage,
Lab File ID : PB835.D
Instrument ID : GCMS-P

SDG : SK8265
Date Analyzed : 14-SEP-17
Time Analyzed : 08:55
Heated Purge : No

m/e	Ion Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	18.5		
75	30.0 - 60.0% of mass 95	45.3		
95	Base Peak, 100% relative abundance	100		
96	5.0 - 9.0% of mass 95	5.3		
173	Less than 2.0% of mass 174	0.0	0.0	1
174	Greater than 50.0% of mass 95	74.2		
175	5.0 - 9.0% of mass 174	6.4	8.61	1
176	95.0 - 101.0% of mass 174	71.1	95.84	1
177	5.0 - 9.0% of mass 176	6.1	8.52	2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following samples, LCS, MS, MSD and standards:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Initial Calibration	WG213354-4	P2375.D	09/14/17	09:21
Initial Calibration	WG213354-3	P2376.D	09/14/17	09:55
Initial Calibration	WG213354-2	P2377.D	09/14/17	10:29
Initial Calibration	WG213354-1	P2378.D	09/14/17	11:03
Initial Calibration	WG213354-6	P2379.D	09/14/17	11:37
Initial Calibration	WG213354-5	P2380.D	09/14/17	12:11
Laboratory Control S	WG213354-8	P2382.D	09/14/17	13:27
Independent Source	WG213354-7	P2382A.D	09/14/17	13:27
Method Blank Sample	WG213354-9	P2385.D	09/14/17	15:26
VPB166-TB-091217	SK8265-1	P2386.D	09/14/17	16:12
VPB166-GW-091217-723-725	SK8265-2DL	P2388.D	09/14/17	17:19
VPB166-GW-091317-738-740	SK8265-3DL	P2389.D	09/14/17	17:53
VPB166-GW-091317-758-760	SK8265-4DL	P2390.D	09/14/17	18:27

Form 6
Initial Calibration Summary

Lab Name : Katahdin Analytical Services **SDG:** SK8265

Project : Navy Clean WE15-03-06 NWIRP Bethpage, N **Instrument ID:** GCMS-P

Lab File IDs : P2378.D P2377.D P2376.D **Column ID:**
P2375.D P2380.D P2379.D **Calibration Date(s):** 14-SEP-17 09:21
14-SEP-17 12:11

	1.0000 Level 1	5.0000 Level 2	20.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	New Crv	b	m1	m2	%RSD	Max %RSD	
Dichlorodifluoromethane	0.14034	0.17158	0.16901	0.16615	0.15610	0.15630	AVG		0.15991		7.22914	15.00000	O
Chloromethane	0.31784	0.29601	0.29899	0.28761	0.27787	0.31940	AVG		0.29962		5.49211	15.00000	O
Vinyl chloride	0.36630	0.37488	0.37401	0.34493	0.35891	0.36389	AVG		0.36382		3.04448	15.00000	O
Bromomethane	1995	8893	32797	71156	149484	212763	LNR	-0.02903	0.13316		0.99951	0.99000	O
Chloroethane	0.24261	0.22665	0.21280	0.19006	0.17549	0.17702	AVG		0.20411		13.53501	15.00000	O
Trichlorofluoromethane	0.49199	0.54220	0.53184	0.54562	0.50312	0.54271	AVG		0.52625		4.36731	15.00000	O
1,1-Dichloroethene	0.43586	0.36939	0.37690	0.36652	0.36190	0.35467	AVG		0.37754		7.81903	15.00000	O
Freon-113	0.30142	0.31275	0.29339	0.29857	0.29037	0.28774	AVG		0.29737		3.05257	15.00000	O
Carbon Disulfide	1.20359	1.15605	1.19741	1.18454	1.14053	1.12555	AVG		1.16795		2.73589	15.00000	O
Methylene Chloride	6870	22964	94720	217429	473684	671117	LNR	-0.01214	0.42221		0.99993	0.99000	O
Acetone	0.14529	0.10631	0.11662	0.11092	0.09822	0.09962	AVG		0.11283		15.35964	15.00000	W
trans-1,2-Dichloroethene	0.50263	0.44330	0.43999	0.43331	0.42246	0.41686	AVG		0.44309		6.96654	15.00000	O
Methyl Acetate	0.33187	0.31288	0.34457	0.34310	0.30374	0.31705	AVG		0.32554		5.17306	15.00000	O
Methyl tert-butyl ether	1.16886	1.07212	1.22825	1.19773	1.15302	0.99425	AVG		1.13570		7.66225	15.00000	O
1,1-Dichloroethane	0.80465	0.81027	0.86408	0.83742	0.80315	0.79660	AVG		0.81936		3.18532	15.00000	O
cis-1,2-Dichloroethene	0.45895	0.44716	0.45672	0.46583	0.46003	0.45566	AVG		0.45739		1.34341	15.00000	O
Cyclohexane	0.78027	0.72135	0.75723	0.76986	0.74493	0.76321	AVG		0.75614		2.74722	15.00000	O
Chloroform	0.77500	0.68902	0.74186	0.73972	0.71671	0.71595	AVG		0.72971		4.02494	15.00000	O
Carbon Tetrachloride	0.29748	0.28128	0.31853	0.32896	0.31764	0.31887	AVG		0.31046		5.66993	15.00000	O
1,1,1-Trichloroethane	0.67568	0.66131	0.69351	0.67284	0.66059	0.66353	AVG		0.67124		1.87259	15.00000	O
2-Butanone	0.16869	0.15961	0.19831	0.19044	0.16548	0.16770	AVG		0.17504		8.85838	15.00000	O
Benzene	1.04019	0.94780	0.99323	0.96928	0.96227	0.94414	AVG		0.97615		3.68261	15.00000	O
1,2-Dichloroethane	0.43822	0.37753	0.37432	0.37114	0.35353	0.36112	AVG		0.37931		7.96260	15.00000	O
Methylcyclohexane	0.63269	0.65488	0.64127	0.65734	0.64419	0.66095	AVG		0.64856		1.68128	15.00000	O
Trichloroethene	0.34663	0.28506	0.26406	0.26387	0.24886	0.24659	AVG		0.27585		13.52766	15.00000	O
1,2-Dichloropropane	0.28727	0.26450	0.28459	0.27564	0.27379	0.27294	AVG		0.27645		3.01011	15.00000	O
Bromodichloromethane	0.30519	0.31362	0.33151	0.32953	0.32666	0.32991	AVG		0.32274		3.33982	15.00000	O
cis-1,3-dichloropropene	0.40226	0.35860	0.41735	0.42951	0.42658	0.42674	AVG		0.41017		6.62427	15.00000	O
Toluene	0.74633	0.63559	0.65470	0.64509	0.62905	0.62674	AVG		0.65625		6.90897	15.00000	O
Tetrachloroethene	0.20055	0.19508	0.19405	0.18992	0.19718	0.19260	AVG		0.19490		1.89152	15.00000	O
4-methyl-2-pentanone	0.20308	0.18394	0.23883	0.22994	0.19994	0.19734	AVG		0.20884		10.06578	15.00000	O
trans-1,3-Dichloropropene	0.38557	0.31234	0.36899	0.38272	0.37219	0.37005	AVG		0.36531		7.34732	15.00000	O
1,1,2-Trichloroethane	0.18388	0.17202	0.18901	0.18549	0.18221	0.18202	AVG		0.18244		3.13347	15.00000	O
Dibromochloromethane	0.25131	0.22967	0.26103	0.26456	0.26613	0.26698	AVG		0.25661		5.60629	15.00000	O
1,2-Dibromoethane	0.19363	0.21884	0.24368	0.24794	0.24023	0.24581	AVG		0.23169		9.24389	15.00000	O
2-Hexanone	0.13422	0.12824	0.16481	0.15762	0.13894	0.13732	AVG		0.14352		10.00696	15.00000	O
Chlorobenzene	0.80263	0.73982	0.74368	0.73931	0.73583	0.71875	AVG		0.74667		3.85321	15.00000	O

Form 6
Initial Calibration Summary

Lab Name : Katahdin Analytical Services **SDG:** SK8265

Project : Navy Clean WE15-03-06 NWIRP Bethpage, N **Instrument ID:** GCMS-P

Lab File IDs : P2378.D P2377.D P2376.D **Column ID:**
P2375.D P2380.D P2379.D **Calibration Date(s):** 14-SEP-17 09:21
14-SEP-17 12:11

Ethylbenzene	0.37356	0.38224	0.40056	0.38716	0.38778	0.38442	AVG		0.38595		2.28196	15.00000	O
m+p-Xylenes	0.41662	0.46036	0.49569	0.48106	0.47574	0.46022	AVG		0.46495		5.85101	15.00000	O
o-Xylene	0.42416	0.41733	0.47670	0.46887	0.47309	0.46463	AVG		0.45413		5.78313	15.00000	O
Styrene	0.66720	0.69087	0.79340	0.79822	0.78743	0.77694	AVG		0.75234		7.67107	15.00000	O
Bromoform	0.11884	0.13840	0.16312	0.16580	0.16490	0.16696	AVG		0.15300		13.01447	15.00000	O
Isopropylbenzene	1.90740	1.91264	2.08576	2.01077	2.03435	1.97299	AVG		1.98732		3.53097	15.00000	O
1,1,2,2-Tetrachloroethane	0.56855	0.48787	0.55361	0.52199	0.50249	0.50410	AVG		0.52310		6.06025	15.00000	O
1,3-Dichlorobenzene	1.11972	1.01962	1.08032	1.03059	1.03040	1.02066	AVG		1.05022		3.88527	15.00000	O
1,4-Dichlorobenzene	1.25650	1.08532	1.10832	1.05844	1.06340	1.04500	AVG		1.10283		7.11906	15.00000	O
1,2-Dichloroethylene (total	+++++	+++++	+++++	+++++	+++++	+++++	AVG		0.000e+00		0.000e+(	15.00000	M (
1,2-Dichlorobenzene	0.99614	1.00821	1.04317	0.99239	1.00515	0.98447	AVG		1.00492		2.05204	15.00000	O
1,2-Dibromo-3-Chloropropane	0.11919	0.11663	0.12754	0.09848	0.09189	0.09564	AVG		0.10823		13.6066(	15.00000	O
1,2,4-Trichlorobenzene	0.67487	0.59420	0.62055	0.59519	0.61162	0.58436	AVG		0.61346		5.34523	15.00000	O
Xylenes (total)	+++++	+++++	+++++	+++++	+++++	+++++	AVG		0.000e+00		0.000e+(	15.00000	M (
Dibromofluoromethane	0.49809	0.49227	0.48556	0.49309	0.49687	0.49440	AVG		0.49338		0.89680	15.00000	
1,2-Dichloroethane-D4	0.64056	0.62393	0.61737	0.64076	0.59933	0.62833	AVG		0.62504		2.49908	15.00000	
Toluene-D8	1.20162	1.18224	1.17035	1.19586	1.18689	1.19660	AVG		1.18893		0.96781	15.00000	
P-Bromofluorobenzene	0.52089	0.51768	0.53437	0.54277	0.52685	0.54164	AVG		0.53070		1.99317	15.00000	

Legend: O = Kept Original Curve
Y = Failed Minimum RF
W = Failed %RSD Value

Form 8
Internal Standard Area and RT Summary

Lab Name : Katahdin Analytical Services
Project : Navy Clean WE15-03-06 NWIR
Lab ID : WG213354-4
Lab File ID : P2375.D

SDG: SK8265
Analytical Date: 09/14/17 09:21
Instrument ID: GCMS-P

		PENTAFLUOROBENZENE			1,4-DIFLUOROBENZENE			CHLOROBENZENE-D5		
		Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
	Std .	503804		6.70		867019		7.64		905138		12.28	
	Upper Limit	1007608		7.20		1734038		8.14		1810276		12.78	
	Lower Limit	251902		6.20		433509.5		7.14		452569		11.78	
Client Sample ID	Lab Sample ID												
Laboratory Control S	WG213354-8	569575		6.70		987094		7.64		1009112		12.29	
Method Blank Sample	WG213354-9	510152		6.70		904003		7.64		929271		12.29	
VPB166-TB-091217	SK8265-1	487996		6.70		869612		7.64		879055		12.28	
VPB166-GW-091217-7	SK8265-2DL	464355		6.70		831672		7.64		848405		12.29	
VPB166-GW-091317-7	SK8265-3DL	456175		6.70		816104		7.65		831669		12.29	
VPB166-GW-091317-7	SK8265-4DL	453614		6.70		807128		7.64		824597		12.28	

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area
RT Upper Limit = + 0.50 minutes of internal standard RT
RT Lower Limit = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Form 8
Internal Standard Area and RT Summary

Lab Name : Katahdin Analytical Services
Project : Navy Clean WE15-03-06 NWIR
Lab ID : WG213354-4
Lab File ID : P2375.D

SDG: SK8265
Analytical Date: 09/14/17 09:21
Instrument ID: GCMS-P

		1,4-DICHLOROBENZENE-D4			
		Area	#	RT	#
	Std .	517026		15.49	
	Upper Limit	1034052		15.99	
	Lower Limit	258513		14.99	
Client Sample ID	Lab Sample ID				
Laboratory Control S	WG213354-8	553214		15.49	
Method Blank Sample	WG213354-9	485970		15.49	
VPB166-TB-091217	SK8265-1	468866		15.49	
VPB166-GW-091217-7	SK8265-2DL	450573		15.49	
VPB166-GW-091317-7	SK8265-3DL	446433		15.49	
VPB166-GW-091317-7	SK8265-4DL	446156		15.49	

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area
RT Upper Limit = + 0.50 minutes of internal standard RT
RT Lower Limit = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Report of Analytical Results

Client: ENSAFE
Lab ID: SK8324-1
Client ID: VPB166-TB-091417
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8324
Lab File ID: P2430.D

Sample Date: 14-SEP-17
Received Date: 15-SEP-17
Extract Date: 18-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213592

Analysis Date: 18-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 19-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8324-1
Client ID: VPB166-TB-091417
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8324
Lab File ID: P2430.D

Sample Date: 14-SEP-17
Received Date: 15-SEP-17
Extract Date: 18-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213592

Analysis Date: 18-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 19-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		98.7	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		109.	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8324-4
Client ID: VPB166-FB-091417
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8324
Lab File ID: P2433.D

Sample Date: 14-SEP-17
Received Date: 15-SEP-17
Extract Date: 18-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213592

Analysis Date: 18-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 19-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8324-4
Client ID: VPB166-FB-091417
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8324
Lab File ID: P2433.D

Sample Date: 14-SEP-17
Received Date: 15-SEP-17
Extract Date: 18-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213592

Analysis Date: 18-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 19-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		98.0	%					
Toluene-d8		99.0	%					
1,2-Dichloroethane-d4		109.	%					
Dibromofluoromethane		105.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8324-5DL
Client ID: VPB166-GW-091417-768-770
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8324
Lab File ID: P2434.D

Sample Date: 14-SEP-17
Received Date: 15-SEP-17
Extract Date: 18-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213592

Analysis Date: 18-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 19-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	20	ug/L	20	2	40.	4.8	20.
Chloromethane	UL	20	ug/L	20	2	40.	7.2	20.
Vinyl Chloride	U	20	ug/L	20	2	40.	5.0	20.
Bromomethane	U	20	ug/L	20	2	40.	9.8	20.
Chloroethane	U	20	ug/L	20	2	40.	11.	20.
Trichlorofluoromethane	U	20	ug/L	20	2	40.	4.8	20.
1,1-Dichloroethene	U	10	ug/L	20	1	20.	7.0	10.
Carbon Disulfide	U	10	ug/L	20	1	20.	5.0	10.
Freon-113	U	10	ug/L	20	1	20.	6.2	10.
Methylene Chloride	U	50	ug/L	20	5	100	23.	50.
Acetone	U	50	ug/L	20	5	100	44.	50.
trans-1,2-Dichloroethene	U	10	ug/L	20	1	20.	5.0	10.
Methyl tert-butyl Ether	U	10	ug/L	20	1	20.	7.2	10.
1,1-Dichloroethane	U	10	ug/L	20	1	20.	4.2	10.
cis-1,2-Dichloroethene	U	10	ug/L	20	1	20.	4.2	10.
Chloroform	U	10	ug/L	20	1	20.	6.4	10.
1,1,1-Trichloroethane	U	10	ug/L	20	1	20.	4.0	10.
2-Butanone	U	50	ug/L	20	5	100	26.	50.
Cyclohexane	U	10	ug/L	20	1	20.	6.2	10.
Carbon Tetrachloride	U	10	ug/L	20	1	20.	4.4	10.
Benzene	U	10	ug/L	20	1	20.	5.2	10.
1,2-Dichloroethane	U	10	ug/L	20	1	20.	4.0	10.
Trichloroethene	U	10	ug/L	20	1	20.	5.6	10.
1,2-Dichloropropane	U	10	ug/L	20	1	20.	5.0	10.
Bromodichloromethane	U	10	ug/L	20	1	20.	6.6	10.
cis-1,3-Dichloropropene	U	10	ug/L	20	1	20.	3.8	10.
Toluene	U	10	ug/L	20	1	20.	5.4	10.
4-Methyl-2-Pentanone	U	50	ug/L	20	5	100	26.	50.
trans-1,3-Dichloropropene	U	10	ug/L	20	1	20.	4.0	10.
1,1,2-Trichloroethane	U	10	ug/L	20	1	20.	6.6	10.
Tetrachloroethene	U	10	ug/L	20	1	20.	8.0	10.
Dibromochloromethane	U	10	ug/L	20	1	20.	6.0	10.
2-Hexanone	U	50	ug/L	20	5	100	34.	50.
Chlorobenzene	U	10	ug/L	20	1	20.	4.4	10.
Ethylbenzene	U	10	ug/L	20	1	20.	4.2	10.

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8324-5DL
Client ID: VPB166-GW-091417-768-770
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8324
Lab File ID: P2434.D

Sample Date: 14-SEP-17
Received Date: 15-SEP-17
Extract Date: 18-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213592

Analysis Date: 18-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 19-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	30	ug/L	20	3	60.	5.0	30.
Styrene	U	10	ug/L	20	1	20.	4.6	10.
Bromoform	U	10	ug/L	20	1	20.	4.6	10.
Isopropylbenzene	U	10	ug/L	20	1	20.	4.6	10.
1,1,2,2-Tetrachloroethane	U	10	ug/L	20	1	20.	7.6	10.
1,3-Dichlorobenzene	U	10	ug/L	20	1	20.	5.2	10.
1,4-Dichlorobenzene	U	10	ug/L	20	1	20.	4.8	10.
1,2-Dichlorobenzene	U	10	ug/L	20	1	20.	3.0	10.
1,2,4-Trichlorobenzene	U	10	ug/L	20	1	20.	7.4	10.
Methyl Acetate	U	15	ug/L	20	1	20.	11.	15.
Methylcyclohexane	U	10	ug/L	20	1	20.	6.0	10.
o-Xylene	U	10	ug/L	20	1	20.	5.0	10.
M+P-Xylenes	U	20	ug/L	20	2	40.	12.	20.
1,2-Dichloroethylene (Total)	U	20	ug/L	20	2	40.	4.2	20.
1,2-Dibromoethane	U	10	ug/L	20	1	20.	4.4	10.
1,2-Dibromo-3-Chloropropane	U	15	ug/L	20	1	20.	10.	15.
P-Bromofluorobenzene		97.3	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		107.	%					
Dibromofluoromethane		103.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8324-6DL
Client ID: VPB166-GW-091417-778-780
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8324
Lab File ID: P2435.D

Sample Date: 14-SEP-17
Received Date: 15-SEP-17
Extract Date: 18-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213592

Analysis Date: 18-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 19-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	20	ug/L	20	2	40.	4.8	20.
Chloromethane	UL	20	ug/L	20	2	40.	7.2	20.
Vinyl Chloride	U	20	ug/L	20	2	40.	5.0	20.
Bromomethane	U	20	ug/L	20	2	40.	9.8	20.
Chloroethane	U	20	ug/L	20	2	40.	11.	20.
Trichlorofluoromethane	U	20	ug/L	20	2	40.	4.8	20.
1,1-Dichloroethene	U	10	ug/L	20	1	20.	7.0	10.
Carbon Disulfide	U	10	ug/L	20	1	20.	5.0	10.
Freon-113	U	10	ug/L	20	1	20.	6.2	10.
Methylene Chloride	U	50	ug/L	20	5	100	23.	50.
Acetone	U	50	ug/L	20	5	100	44.	50.
trans-1,2-Dichloroethene	U	10	ug/L	20	1	20.	5.0	10.
Methyl tert-butyl Ether	U	10	ug/L	20	1	20.	7.2	10.
1,1-Dichloroethane	U	10	ug/L	20	1	20.	4.2	10.
cis-1,2-Dichloroethene	U	10	ug/L	20	1	20.	4.2	10.
Chloroform	U	10	ug/L	20	1	20.	6.4	10.
1,1,1-Trichloroethane	U	10	ug/L	20	1	20.	4.0	10.
2-Butanone	U	50	ug/L	20	5	100	26.	50.
Cyclohexane	U	10	ug/L	20	1	20.	6.2	10.
Carbon Tetrachloride	U	10	ug/L	20	1	20.	4.4	10.
Benzene	U	10	ug/L	20	1	20.	5.2	10.
1,2-Dichloroethane	U	10	ug/L	20	1	20.	4.0	10.
Trichloroethene	U	10	ug/L	20	1	20.	5.6	10.
1,2-Dichloropropane	U	10	ug/L	20	1	20.	5.0	10.
Bromodichloromethane	U	10	ug/L	20	1	20.	6.6	10.
cis-1,3-Dichloropropene	U	10	ug/L	20	1	20.	3.8	10.
Toluene	U	10	ug/L	20	1	20.	5.4	10.
4-Methyl-2-Pentanone	U	50	ug/L	20	5	100	26.	50.
trans-1,3-Dichloropropene	U	10	ug/L	20	1	20.	4.0	10.
1,1,2-Trichloroethane	U	10	ug/L	20	1	20.	6.6	10.
Tetrachloroethene	U	10	ug/L	20	1	20.	8.0	10.
Dibromochloromethane	U	10	ug/L	20	1	20.	6.0	10.
2-Hexanone	U	50	ug/L	20	5	100	34.	50.
Chlorobenzene	U	10	ug/L	20	1	20.	4.4	10.
Ethylbenzene	U	10	ug/L	20	1	20.	4.2	10.

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8324-6DL
Client ID: VPB166-GW-091417-778-780
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8324
Lab File ID: P2435.D

Sample Date: 14-SEP-17
Received Date: 15-SEP-17
Extract Date: 18-SEP-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG213592

Analysis Date: 18-SEP-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 19-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	30	ug/L	20	3	60.	5.0	30.
Styrene	U	10	ug/L	20	1	20.	4.6	10.
Bromoform	U	10	ug/L	20	1	20.	4.6	10.
Isopropylbenzene	U	10	ug/L	20	1	20.	4.6	10.
1,1,2,2-Tetrachloroethane	U	10	ug/L	20	1	20.	7.6	10.
1,3-Dichlorobenzene	U	10	ug/L	20	1	20.	5.2	10.
1,4-Dichlorobenzene	U	10	ug/L	20	1	20.	4.8	10.
1,2-Dichlorobenzene	U	10	ug/L	20	1	20.	3.0	10.
1,2,4-Trichlorobenzene	U	10	ug/L	20	1	20.	7.4	10.
Methyl Acetate	U	15	ug/L	20	1	20.	11.	15.
Methylcyclohexane	U	10	ug/L	20	1	20.	6.0	10.
o-Xylene	U	10	ug/L	20	1	20.	5.0	10.
M+P-Xylenes	U	20	ug/L	20	2	40.	12.	20.
1,2-Dichloroethylene (Total)	U	20	ug/L	20	2	40.	4.2	20.
1,2-Dibromoethane	U	10	ug/L	20	1	20.	4.4	10.
1,2-Dibromo-3-Chloropropane	U	15	ug/L	20	1	20.	10.	15.
P-Bromofluorobenzene		97.2	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		110.	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8432-1
Client ID: VPB166-TB-091517
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8432
Lab File ID: P2487.D

Sample Date: 15-SEP-17
Received Date: 19-SEP-17
Extract Date: 20-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213748

Analysis Date: 20-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8432-1
Client ID: VPB166-TB-091517
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8432
Lab File ID: P2487.D

Sample Date: 15-SEP-17
Received Date: 19-SEP-17
Extract Date: 20-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213748

Analysis Date: 20-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		102.	%					
Toluene-d8		99.7	%					
1,2-Dichloroethane-d4		109.	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8432-2DL
Client ID: VPB166-GW-091517
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8432
Lab File ID: P2489.D

Sample Date: 15-SEP-17
Received Date: 19-SEP-17
Extract Date: 20-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213748

Analysis Date: 20-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	5.0	ug/L	5	2	10.	1.2	5.0
Chloromethane	UL	5.0	ug/L	5	2	10.	1.8	5.0
Vinyl Chloride	U	5.0	ug/L	5	2	10.	1.2	5.0
Bromomethane	U	5.0	ug/L	5	2	10.	2.4	5.0
Chloroethane	U	5.0	ug/L	5	2	10.	2.8	5.0
Trichlorofluoromethane	U	5.0	ug/L	5	2	10.	1.2	5.0
1,1-Dichloroethene	U	2.5	ug/L	5	1	5.0	1.8	2.5
Carbon Disulfide	U	2.5	ug/L	5	1	5.0	1.2	2.5
Freon-113	U	2.5	ug/L	5	1	5.0	1.6	2.5
Methylene Chloride	U	12	ug/L	5	5	25.	5.6	12.
Acetone	J	19	ug/L	5	5	25.	11.	12.
trans-1,2-Dichloroethene	U	2.5	ug/L	5	1	5.0	1.2	2.5
Methyl tert-butyl Ether	U	2.5	ug/L	5	1	5.0	1.8	2.5
1,1-Dichloroethane	U	2.5	ug/L	5	1	5.0	1.0	2.5
cis-1,2-Dichloroethene	U	2.5	ug/L	5	1	5.0	1.0	2.5
Chloroform	U	2.5	ug/L	5	1	5.0	1.6	2.5
1,1,1-Trichloroethane	U	2.5	ug/L	5	1	5.0	1.0	2.5
2-Butanone	U	12	ug/L	5	5	25.	6.6	12.
Cyclohexane	U	2.5	ug/L	5	1	5.0	1.6	2.5
Carbon Tetrachloride	U	2.5	ug/L	5	1	5.0	1.1	2.5
Benzene	U	2.5	ug/L	5	1	5.0	1.3	2.5
1,2-Dichloroethane	U	2.5	ug/L	5	1	5.0	1.0	2.5
Trichloroethene	U	2.5	ug/L	5	1	5.0	1.4	2.5
1,2-Dichloropropane	U	2.5	ug/L	5	1	5.0	1.2	2.5
Bromodichloromethane	U	2.5	ug/L	5	1	5.0	1.6	2.5
cis-1,3-Dichloropropene	U	2.5	ug/L	5	1	5.0	0.95	2.5
Toluene	U	2.5	ug/L	5	1	5.0	1.4	2.5
4-Methyl-2-Pentanone	U	12	ug/L	5	5	25.	6.6	12.
trans-1,3-Dichloropropene	U	2.5	ug/L	5	1	5.0	1.0	2.5
1,1,2-Trichloroethane	U	2.5	ug/L	5	1	5.0	1.6	2.5
Tetrachloroethene	U	2.5	ug/L	5	1	5.0	2.0	2.5
Dibromochloromethane	U	2.5	ug/L	5	1	5.0	1.5	2.5
2-Hexanone	U	12	ug/L	5	5	25.	8.5	12.
Chlorobenzene	U	2.5	ug/L	5	1	5.0	1.1	2.5
Ethylbenzene	U	2.5	ug/L	5	1	5.0	1.0	2.5

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8432-2DL
Client ID: VPB166-GW-091517
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8432
Lab File ID: P2489.D

Sample Date: 15-SEP-17
Received Date: 19-SEP-17
Extract Date: 20-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213748

Analysis Date: 20-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	7.5	ug/L	5	3	15.	1.2	7.5
Styrene	U	2.5	ug/L	5	1	5.0	1.2	2.5
Bromoform	U	2.5	ug/L	5	1	5.0	1.2	2.5
Isopropylbenzene	U	2.5	ug/L	5	1	5.0	1.2	2.5
1,1,2,2-Tetrachloroethane	U	2.5	ug/L	5	1	5.0	1.9	2.5
1,3-Dichlorobenzene	U	2.5	ug/L	5	1	5.0	1.3	2.5
1,4-Dichlorobenzene	U	2.5	ug/L	5	1	5.0	1.2	2.5
1,2-Dichlorobenzene	U	2.5	ug/L	5	1	5.0	0.75	2.5
1,2,4-Trichlorobenzene	U	2.5	ug/L	5	1	5.0	1.8	2.5
Methyl Acetate	U	3.8	ug/L	5	1	5.0	2.6	3.8
Methylcyclohexane	U	2.5	ug/L	5	1	5.0	1.5	2.5
o-Xylene	U	2.5	ug/L	5	1	5.0	1.2	2.5
M+P-Xylenes	U	5.0	ug/L	5	2	10.	3.0	5.0
1,2-Dichloroethylene (Total)	U	5.0	ug/L	5	2	10.	1.0	5.0
1,2-Dibromoethane	U	2.5	ug/L	5	1	5.0	1.1	2.5
1,2-Dibromo-3-Chloropropane	U	3.8	ug/L	5	1	5.0	2.5	3.8
P-Bromofluorobenzene		101.	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		112.	%					
Dibromofluoromethane		108.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8432-3
Client ID: VPB166-EB-091517
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8432
Lab File ID: P2488.D

Sample Date: 15-SEP-17
Received Date: 19-SEP-17
Extract Date: 20-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213748

Analysis Date: 20-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-SEP-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone		13	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK8432-3
Client ID: VPB166-EB-091517
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK8432
Lab File ID: P2488.D

Sample Date: 15-SEP-17
Received Date: 19-SEP-17
Extract Date: 20-SEP-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG213748

Analysis Date: 20-SEP-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-SEP-17

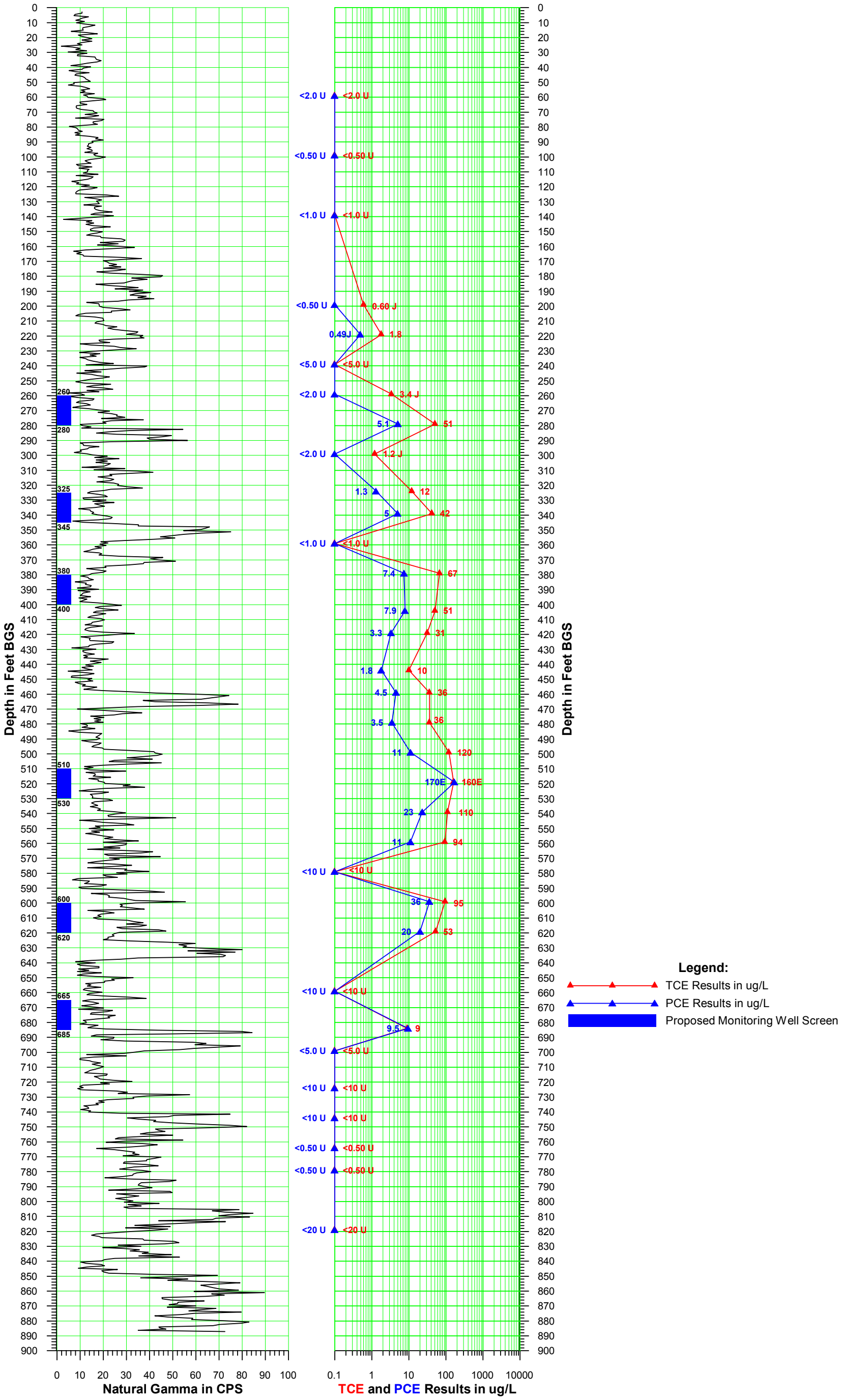
Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		100.	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		110.	%					
Dibromofluoromethane		107.	%					

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Resolution Consultants
Vertical Profile Boring
VPB-168
November 2017
Preliminary Analytical Data
NOT YET PUBLISHED

Vertical Profile Boring VPB-168
Downward Run - November 20, 2017
Preliminary Analytical Data



Report of Analytical Results

Client: ENSAFE
Lab ID: SK9810-1
Client ID: VPB168-TB-101817
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9810
Lab File ID: P2985.D

Sample Date: 18-OCT-17
Received Date: 21-OCT-17
Extract Date: 23-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216155

Analysis Date: 23-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9810-1
Client ID: VPB168-TB-101817
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9810
Lab File ID: P2985.D

Sample Date: 18-OCT-17
Received Date: 21-OCT-17
Extract Date: 23-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216155

Analysis Date: 23-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		98.2	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		111.	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9810-2DL
Client ID: VPB168-GW-101817-58-60
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9810
Lab File ID: P2987.D

Sample Date: 18-OCT-17
Received Date: 21-OCT-17
Extract Date: 23-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216155

Analysis Date: 23-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
Chloromethane	U	4.0	ug/L	4	2	8.0	1.4	4.0
Vinyl Chloride	U	4.0	ug/L	4	2	8.0	1.0	4.0
Bromomethane	U	4.0	ug/L	4	2	8.0	2.0	4.0
Chloroethane	U	4.0	ug/L	4	2	8.0	2.2	4.0
Trichlorofluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
1,1-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.4	2.0
Carbon Disulfide	U	2.0	ug/L	4	1	4.0	1.0	2.0
Freon-113	U	2.0	ug/L	4	1	4.0	1.2	2.0
Methylene Chloride	U	10	ug/L	4	5	20.	4.5	10.
Acetone	U	10	ug/L	4	5	20.	8.8	10.
trans-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.0	2.0
Methyl tert-butyl Ether	U	2.0	ug/L	4	1	4.0	1.4	2.0
1,1-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.84	2.0
cis-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	0.84	2.0
Chloroform	U	2.0	ug/L	4	1	4.0	1.3	2.0
1,1,1-Trichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
2-Butanone	U	10	ug/L	4	5	20.	5.2	10.
Cyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
Carbon Tetrachloride	U	2.0	ug/L	4	1	4.0	0.88	2.0
Benzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,2-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
Trichloroethene	U	2.0	ug/L	4	1	4.0	1.1	2.0
1,2-Dichloropropane	U	2.0	ug/L	4	1	4.0	1.0	2.0
Bromodichloromethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
cis-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.76	2.0
Toluene	U	2.0	ug/L	4	1	4.0	1.1	2.0
4-Methyl-2-Pentanone	U	10	ug/L	4	5	20.	5.3	10.
trans-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.80	2.0
1,1,2-Trichloroethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
Tetrachloroethene	U	2.0	ug/L	4	1	4.0	1.6	2.0
Dibromochloromethane	U	2.0	ug/L	4	1	4.0	1.2	2.0
2-Hexanone	U	10	ug/L	4	5	20.	6.8	10.
Chlorobenzene	U	2.0	ug/L	4	1	4.0	0.88	2.0
Ethylbenzene	U	2.0	ug/L	4	1	4.0	0.84	2.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9810-2DL
Client ID: VPB168-GW-101817-58-60
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9810
Lab File ID: P2987.D

Sample Date: 18-OCT-17
Received Date: 21-OCT-17
Extract Date: 23-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216155

Analysis Date: 23-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	6.0	ug/L	4	3	12.	1.0	6.0
Styrene	U	2.0	ug/L	4	1	4.0	0.92	2.0
Bromoform	U	2.0	ug/L	4	1	4.0	0.92	2.0
Isopropylbenzene	U	2.0	ug/L	4	1	4.0	0.92	2.0
1,1,2,2-Tetrachloroethane	U	2.0	ug/L	4	1	4.0	1.5	2.0
1,3-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,4-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.96	2.0
1,2-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.60	2.0
1,2,4-Trichlorobenzene	U	2.0	ug/L	4	1	4.0	1.5	2.0
Methyl Acetate	U	3.0	ug/L	4	1	4.0	2.1	3.0
Methylcyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
o-Xylene	U	2.0	ug/L	4	1	4.0	1.0	2.0
M+P-Xylenes	U	4.0	ug/L	4	2	8.0	2.4	4.0
1,2-Dichloroethylene (Total)	U	4.0	ug/L	4	2	8.0	0.84	4.0
1,2-Dibromoethane	U	2.0	ug/L	4	1	4.0	0.88	2.0
1,2-Dibromo-3-Chloropropane	U	3.0	ug/L	4	1	4.0	2.0	3.0
P-Bromofluorobenzene		101.	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		112.	%					
Dibromofluoromethane		108.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9810-3
Client ID: VPB168-GW-101917-98-100
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9810
Lab File ID: P2986.D

Sample Date: 19-OCT-17
Received Date: 21-OCT-17
Extract Date: 23-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216155

Analysis Date: 23-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone		23	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9810-3
Client ID: VPB168-GW-101917-98-100
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9810
Lab File ID: P2986.D

Sample Date: 19-OCT-17
Received Date: 21-OCT-17
Extract Date: 23-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216155

Analysis Date: 23-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 24-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		98.5	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		111.	%					
Dibromofluoromethane		107.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9920-1
Client ID: VPB168-TB-102317
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9920
Lab File ID: S7902.D

Sample Date: 23-OCT-17
Received Date: 25-OCT-17
Extract Date: 25-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216311

Analysis Date: 25-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9920-1
Client ID: VPB168-TB-102317
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9920
Lab File ID: S7902.D

Sample Date: 23-OCT-17
Received Date: 25-OCT-17
Extract Date: 25-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216311

Analysis Date: 25-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		110.	%					
Toluene-d8		103.	%					
1,2-Dichloroethane-d4		99.2	%					
Dibromofluoromethane		109.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9920-2DL
Client ID: VPB168-GW-102317-138-140
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9920
Lab File ID: S7905.D

Sample Date: 23-OCT-17
Received Date: 25-OCT-17
Extract Date: 25-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216311

Analysis Date: 25-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
Chloromethane	U	2.0	ug/L	2	2	4.0	0.72	2.0
Vinyl Chloride	U	2.0	ug/L	2	2	4.0	0.50	2.0
Bromomethane	U	2.0	ug/L	2	2	4.0	0.98	2.0
Chloroethane	U	2.0	ug/L	2	2	4.0	1.1	2.0
Trichlorofluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
1,1-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.70	1.0
Carbon Disulfide	U	1.0	ug/L	2	1	2.0	0.50	1.0
Freon-113	U	1.0	ug/L	2	1	2.0	0.62	1.0
Methylene Chloride	U	5.0	ug/L	2	5	10.	2.3	5.0
Acetone	J	8.7	ug/L	2	5	10.	4.4	5.0
trans-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.50	1.0
Methyl tert-butyl Ether	U	1.0	ug/L	2	1	2.0	0.72	1.0
1,1-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.42	1.0
cis-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.42	1.0
Chloroform	U	1.0	ug/L	2	1	2.0	0.64	1.0
1,1,1-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
2-Butanone	U	5.0	ug/L	2	5	10.	2.6	5.0
Cyclohexane	U	1.0	ug/L	2	1	2.0	0.62	1.0
Carbon Tetrachloride	U	1.0	ug/L	2	1	2.0	0.44	1.0
Benzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,2-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
Trichloroethene	U	1.0	ug/L	2	1	2.0	0.56	1.0
1,2-Dichloropropane	U	1.0	ug/L	2	1	2.0	0.50	1.0
Bromodichloromethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
cis-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.38	1.0
Toluene	U	1.0	ug/L	2	1	2.0	0.54	1.0
4-Methyl-2-Pentanone	U	5.0	ug/L	2	5	10.	2.6	5.0
trans-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.40	1.0
1,1,2-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
Tetrachloroethene	U	1.0	ug/L	2	1	2.0	0.80	1.0
Dibromochloromethane	U	1.0	ug/L	2	1	2.0	0.60	1.0
2-Hexanone	U	5.0	ug/L	2	5	10.	3.4	5.0
Chlorobenzene	U	1.0	ug/L	2	1	2.0	0.44	1.0
Ethylbenzene	U	1.0	ug/L	2	1	2.0	0.42	1.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9920-2DL
Client ID: VPB168-GW-102317-138-140
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9920
Lab File ID: S7905.D

Sample Date: 23-OCT-17
Received Date: 25-OCT-17
Extract Date: 25-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216311

Analysis Date: 25-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	3.0	ug/L	2	3	6.0	0.50	3.0
Styrene	U	1.0	ug/L	2	1	2.0	0.46	1.0
Bromoform	U	1.0	ug/L	2	1	2.0	0.46	1.0
Isopropylbenzene	U	1.0	ug/L	2	1	2.0	0.46	1.0
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	2	1	2.0	0.76	1.0
1,3-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,4-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.48	1.0
1,2-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.30	1.0
1,2,4-Trichlorobenzene	U	1.0	ug/L	2	1	2.0	0.74	1.0
Methyl Acetate	U	1.5	ug/L	2	1	2.0	1.1	1.5
Methylcyclohexane	U	1.0	ug/L	2	1	2.0	0.60	1.0
o-Xylene	U	1.0	ug/L	2	1	2.0	0.50	1.0
M+P-Xylenes	U	2.0	ug/L	2	2	4.0	1.2	2.0
1,2-Dichloroethylene (Total)	U	2.0	ug/L	2	2	4.0	0.42	2.0
1,2-Dibromoethane	U	1.0	ug/L	2	1	2.0	0.44	1.0
1,2-Dibromo-3-Chloropropane	U	1.5	ug/L	2	1	2.0	1.0	1.5
P-Bromofluorobenzene		110.	%					
Toluene-d8		105.	%					
1,2-Dichloroethane-d4		100.	%					
Dibromofluoromethane		102.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9920-3
Client ID: VPB168-GW-102417-198-200
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9920
Lab File ID: S7903.D

Sample Date: 24-OCT-17
Received Date: 25-OCT-17
Extract Date: 25-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216311

Analysis Date: 25-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone		7.1	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.37	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.60	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9920-3
Client ID: VPB168-GW-102417-198-200
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9920
Lab File ID: S7903.D

Sample Date: 24-OCT-17
Received Date: 25-OCT-17
Extract Date: 25-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216311

Analysis Date: 25-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		109.	%					
Toluene-d8		105.	%					
1,2-Dichloroethane-d4		99.8	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9920-4
Client ID: VPB168-GW-102417-218-220
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9920
Lab File ID: S7904.D

Sample Date: 24-OCT-17
Received Date: 25-OCT-17
Extract Date: 25-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216311

Analysis Date: 25-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	J	2.8	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.37	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		1.8	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	J	0.49	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: SK9920-4
Client ID: VPB168-GW-102417-218-220
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: SK9920
Lab File ID: S7904.D

Sample Date: 24-OCT-17
Received Date: 25-OCT-17
Extract Date: 25-OCT-17
Extracted By: ERL
Extraction Method: SW846 5030
Lab Prep Batch: WG216311

Analysis Date: 25-OCT-17
Analyst: ERL
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 26-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		107.	%					
Toluene-d8		106.	%					
1,2-Dichloroethane-d4		99.2	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-1
Client ID: VPB168-TB-102517
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7859.D

Sample Date: 25-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-1
Client ID: VPB168-TB-102517
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7859.D

Sample Date: 25-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		97.9	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		112.	%					
Dibromofluoromethane		110.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-2DL
Client ID: VPB168-GW-102517-238-240
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7860.D

Sample Date: 25-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	10	ug/L	10	2	20.	2.4	10.
Chloromethane	U	10	ug/L	10	2	20.	3.6	10.
Vinyl Chloride	U	10	ug/L	10	2	20.	2.5	10.
Bromomethane	U	10	ug/L	10	2	20.	4.9	10.
Chloroethane	U	10	ug/L	10	2	20.	5.5	10.
Trichlorofluoromethane	U	10	ug/L	10	2	20.	2.4	10.
1,1-Dichloroethene	U	5.0	ug/L	10	1	10.	3.5	5.0
Carbon Disulfide	U	5.0	ug/L	10	1	10.	2.5	5.0
Freon-113	U	5.0	ug/L	10	1	10.	3.1	5.0
Methylene Chloride	U	25	ug/L	10	5	50.	11.	25.
Acetone	U	25	ug/L	10	5	50.	22.	25.
trans-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.5	5.0
Methyl tert-butyl Ether	U	5.0	ug/L	10	1	10.	3.6	5.0
1,1-Dichloroethane	U	5.0	ug/L	10	1	10.	2.1	5.0
cis-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.1	5.0
Chloroform	U	5.0	ug/L	10	1	10.	3.2	5.0
1,1,1-Trichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
2-Butanone	U	25	ug/L	10	5	50.	13.	25.
Cyclohexane	U	5.0	ug/L	10	1	10.	3.1	5.0
Carbon Tetrachloride	U	5.0	ug/L	10	1	10.	2.2	5.0
Benzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,2-Dichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
Trichloroethene	U	5.0	ug/L	10	1	10.	2.8	5.0
1,2-Dichloropropane	U	5.0	ug/L	10	1	10.	2.5	5.0
Bromodichloromethane	U	5.0	ug/L	10	1	10.	3.3	5.0
cis-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	1.9	5.0
Toluene	U	5.0	ug/L	10	1	10.	2.7	5.0
4-Methyl-2-Pentanone	U	25	ug/L	10	5	50.	13.	25.
trans-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	2.0	5.0
1,1,2-Trichloroethane	U	5.0	ug/L	10	1	10.	3.3	5.0
Tetrachloroethene	U	5.0	ug/L	10	1	10.	4.0	5.0
Dibromochloromethane	U	5.0	ug/L	10	1	10.	3.0	5.0
2-Hexanone	U	25	ug/L	10	5	50.	17.	25.
Chlorobenzene	U	5.0	ug/L	10	1	10.	2.2	5.0
Ethylbenzene	U	5.0	ug/L	10	1	10.	2.1	5.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-2DL
Client ID: VPB168-GW-102517-238-240
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7860.D

Sample Date: 25-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	15	ug/L	10	3	30.	2.5	15.
Styrene	U	5.0	ug/L	10	1	10.	2.3	5.0
Bromoform	U	5.0	ug/L	10	1	10.	2.3	5.0
Isopropylbenzene	U	5.0	ug/L	10	1	10.	2.3	5.0
1,1,2,2-Tetrachloroethane	U	5.0	ug/L	10	1	10.	3.8	5.0
1,3-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,4-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.4	5.0
1,2-Dichlorobenzene	U	5.0	ug/L	10	1	10.	1.5	5.0
1,2,4-Trichlorobenzene	U	5.0	ug/L	10	1	10.	3.7	5.0
Methyl Acetate	U	7.5	ug/L	10	1	10.	5.3	7.5
Methylcyclohexane	U	5.0	ug/L	10	1	10.	3.0	5.0
o-Xylene	U	5.0	ug/L	10	1	10.	2.5	5.0
M+P-Xylenes	U	10	ug/L	10	2	20.	5.9	10.
1,2-Dichloroethylene (Total)	U	10	ug/L	10	2	20.	2.1	10.
1,2-Dibromoethane	U	5.0	ug/L	10	1	10.	2.2	5.0
1,2-Dibromo-3-Chloropropane	U	7.5	ug/L	10	1	10.	5.0	7.5
P-Bromofluorobenzene		96.8	%					
Toluene-d8		103.	%					
1,2-Dichloroethane-d4		118.	%					
Dibromofluoromethane		109.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-3DL
Client ID: VPB168-GW-102517-258-260
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7861.D

Sample Date: 25-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
Chloromethane	U	4.0	ug/L	4	2	8.0	1.4	4.0
Vinyl Chloride	U	4.0	ug/L	4	2	8.0	1.0	4.0
Bromomethane	U	4.0	ug/L	4	2	8.0	2.0	4.0
Chloroethane	U	4.0	ug/L	4	2	8.0	2.2	4.0
Trichlorofluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
1,1-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.4	2.0
Carbon Disulfide	U	2.0	ug/L	4	1	4.0	1.0	2.0
Freon-113	U	2.0	ug/L	4	1	4.0	1.2	2.0
Methylene Chloride	U	10	ug/L	4	5	20.	4.5	10.
Acetone	J	13	ug/L	4	5	20.	8.8	10.
trans-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.0	2.0
Methyl tert-butyl Ether	U	2.0	ug/L	4	1	4.0	1.4	2.0
1,1-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.84	2.0
cis-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	0.84	2.0
Chloroform	U	2.0	ug/L	4	1	4.0	1.3	2.0
1,1,1-Trichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
2-Butanone	U	10	ug/L	4	5	20.	5.2	10.
Cyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
Carbon Tetrachloride	U	2.0	ug/L	4	1	4.0	0.88	2.0
Benzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,2-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
Trichloroethene	J	3.4	ug/L	4	1	4.0	1.1	2.0
1,2-Dichloropropane	U	2.0	ug/L	4	1	4.0	1.0	2.0
Bromodichloromethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
cis-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.76	2.0
Toluene	U	2.0	ug/L	4	1	4.0	1.1	2.0
4-Methyl-2-Pentanone	U	10	ug/L	4	5	20.	5.3	10.
trans-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.80	2.0
1,1,2-Trichloroethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
Tetrachloroethene	U	2.0	ug/L	4	1	4.0	1.6	2.0
Dibromochloromethane	U	2.0	ug/L	4	1	4.0	1.2	2.0
2-Hexanone	U	10	ug/L	4	5	20.	6.8	10.
Chlorobenzene	U	2.0	ug/L	4	1	4.0	0.88	2.0
Ethylbenzene	U	2.0	ug/L	4	1	4.0	0.84	2.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-3DL
Client ID: VPB168-GW-102517-258-260
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7861.D

Sample Date: 25-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	6.0	ug/L	4	3	12.	1.0	6.0
Styrene	U	2.0	ug/L	4	1	4.0	0.92	2.0
Bromoform	U	2.0	ug/L	4	1	4.0	0.92	2.0
Isopropylbenzene	U	2.0	ug/L	4	1	4.0	0.92	2.0
1,1,2,2-Tetrachloroethane	U	2.0	ug/L	4	1	4.0	1.5	2.0
1,3-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,4-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.96	2.0
1,2-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.60	2.0
1,2,4-Trichlorobenzene	U	2.0	ug/L	4	1	4.0	1.5	2.0
Methyl Acetate	U	3.0	ug/L	4	1	4.0	2.1	3.0
Methylcyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
o-Xylene	U	2.0	ug/L	4	1	4.0	1.0	2.0
M+P-Xylenes	U	4.0	ug/L	4	2	8.0	2.4	4.0
1,2-Dichloroethylene (Total)	U	4.0	ug/L	4	2	8.0	0.84	4.0
1,2-Dibromoethane	U	2.0	ug/L	4	1	4.0	0.88	2.0
1,2-Dibromo-3-Chloropropane	U	3.0	ug/L	4	1	4.0	2.0	3.0
P-Bromofluorobenzene		101.	%					
Toluene-d8		103.	%					
1,2-Dichloroethane-d4	*	121.	%					
Dibromofluoromethane		112.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-4
Client ID: VPB168-GW-D-102617
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7863.D

Sample Date: 26-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	J	0.39	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	J	3.8	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.77	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		4.8	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-4
Client ID: VPB168-GW-D-102617
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7863.D

Sample Date: 26-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	0.77	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		95.3	%					
Toluene-d8		98.6	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-5
Client ID: VPB168-GW-102617-278-280
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7864.D

Sample Date: 26-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	J	0.41	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	J	3.4	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.70	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		51	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		5.1	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-5
Client ID: VPB168-GW-102617-278-280
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7864.D

Sample Date: 26-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	0.70	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		95.7	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		115.	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-6
Client ID: VPB168-GW-102617-323-325
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7865.D

Sample Date: 26-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone		28	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		12	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		1.3	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-6
Client ID: VPB168-GW-102617-323-325
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7865.D

Sample Date: 26-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		98.9	%					
Toluene-d8		104.	%					
1,2-Dichloroethane-d4		119.	%					
Dibromofluoromethane		110.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-7DL
Client ID: VPB168-GW-102617-298-300
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7862.D

Sample Date: 26-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
Chloromethane	U	4.0	ug/L	4	2	8.0	1.4	4.0
Vinyl Chloride	U	4.0	ug/L	4	2	8.0	1.0	4.0
Bromomethane	U	4.0	ug/L	4	2	8.0	2.0	4.0
Chloroethane	U	4.0	ug/L	4	2	8.0	2.2	4.0
Trichlorofluoromethane	U	4.0	ug/L	4	2	8.0	0.96	4.0
1,1-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.4	2.0
Carbon Disulfide	U	2.0	ug/L	4	1	4.0	1.0	2.0
Freon-113	U	2.0	ug/L	4	1	4.0	1.2	2.0
Methylene Chloride	U	10	ug/L	4	5	20.	4.5	10.
Acetone	J	11	ug/L	4	5	20.	8.8	10.
trans-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	1.0	2.0
Methyl tert-butyl Ether	U	2.0	ug/L	4	1	4.0	1.4	2.0
1,1-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.84	2.0
cis-1,2-Dichloroethene	U	2.0	ug/L	4	1	4.0	0.84	2.0
Chloroform	U	2.0	ug/L	4	1	4.0	1.3	2.0
1,1,1-Trichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
2-Butanone	U	10	ug/L	4	5	20.	5.2	10.
Cyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
Carbon Tetrachloride	U	2.0	ug/L	4	1	4.0	0.88	2.0
Benzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,2-Dichloroethane	U	2.0	ug/L	4	1	4.0	0.80	2.0
Trichloroethene	J	1.2	ug/L	4	1	4.0	1.1	2.0
1,2-Dichloropropane	U	2.0	ug/L	4	1	4.0	1.0	2.0
Bromodichloromethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
cis-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.76	2.0
Toluene	U	2.0	ug/L	4	1	4.0	1.1	2.0
4-Methyl-2-Pentanone	U	10	ug/L	4	5	20.	5.3	10.
trans-1,3-Dichloropropene	U	2.0	ug/L	4	1	4.0	0.80	2.0
1,1,2-Trichloroethane	U	2.0	ug/L	4	1	4.0	1.3	2.0
Tetrachloroethene	U	2.0	ug/L	4	1	4.0	1.6	2.0
Dibromochloromethane	U	2.0	ug/L	4	1	4.0	1.2	2.0
2-Hexanone	U	10	ug/L	4	5	20.	6.8	10.
Chlorobenzene	U	2.0	ug/L	4	1	4.0	0.88	2.0
Ethylbenzene	U	2.0	ug/L	4	1	4.0	0.84	2.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0045-7DL
Client ID: VPB168-GW-102617-298-300
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0045
Lab File ID: S7862.D

Sample Date: 26-OCT-17
Received Date: 27-OCT-17
Extract Date: 27-OCT-17
Extracted By: HG/JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG216503

Analysis Date: 27-OCT-17
Analyst: HG/JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 31-OCT-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	6.0	ug/L	4	3	12.	1.0	6.0
Styrene	U	2.0	ug/L	4	1	4.0	0.92	2.0
Bromoform	U	2.0	ug/L	4	1	4.0	0.92	2.0
Isopropylbenzene	U	2.0	ug/L	4	1	4.0	0.92	2.0
1,1,2,2-Tetrachloroethane	U	2.0	ug/L	4	1	4.0	1.5	2.0
1,3-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	1.0	2.0
1,4-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.96	2.0
1,2-Dichlorobenzene	U	2.0	ug/L	4	1	4.0	0.60	2.0
1,2,4-Trichlorobenzene	U	2.0	ug/L	4	1	4.0	1.5	2.0
Methyl Acetate	U	3.0	ug/L	4	1	4.0	2.1	3.0
Methylcyclohexane	U	2.0	ug/L	4	1	4.0	1.2	2.0
o-Xylene	U	2.0	ug/L	4	1	4.0	1.0	2.0
M+P-Xylenes	U	4.0	ug/L	4	2	8.0	2.4	4.0
1,2-Dichloroethylene (Total)	U	4.0	ug/L	4	2	8.0	0.84	4.0
1,2-Dibromoethane	U	2.0	ug/L	4	1	4.0	0.88	2.0
1,2-Dibromo-3-Chloropropane	U	3.0	ug/L	4	1	4.0	2.0	3.0
P-Bromofluorobenzene		99.8	%					
Toluene-d8		104.	%					
1,2-Dichloroethane-d4		119.	%					
Dibromofluoromethane		111.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-1
Client ID: VPB168-TB-102717
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7922.D

Sample Date: 27-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-1
Client ID: VPB168-TB-102717
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7922.D

Sample Date: 27-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		102.	%					
Toluene-d8		105.	%					
1,2-Dichloroethane-d4		114.	%					
Dibromofluoromethane		104.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-2
Client ID: VPB168-GW-102717-378-380
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7926.D

Sample Date: 27-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	J	0.86	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone		5.8	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.3	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.47	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		67	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		7.4	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-2
Client ID: VPB168-GW-102717-378-380
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7926.D

Sample Date: 27-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	1.3	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		101.	%					
Toluene-d8		99.0	%					
1,2-Dichloroethane-d4		120.	%					
Dibromofluoromethane		110.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-3
Client ID: VPB168-GW-102717-338-340
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7928.D

Sample Date: 27-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	J	4.4	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.58	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		42	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		5.0	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-3
Client ID: VPB168-GW-102717-338-340
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7928.D

Sample Date: 27-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	0.58	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		100.	%					
Toluene-d8		103.	%					
1,2-Dichloroethane-d4	*	126.	%					
Dibromofluoromethane		114.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-4DL
Client ID: VPB168-GW-102717-358-360
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7927.D

Sample Date: 27-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
Chloromethane	U	2.0	ug/L	2	2	4.0	0.72	2.0
Vinyl Chloride	U	2.0	ug/L	2	2	4.0	0.50	2.0
Bromomethane	U	2.0	ug/L	2	2	4.0	0.98	2.0
Chloroethane	U	2.0	ug/L	2	2	4.0	1.1	2.0
Trichlorofluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
1,1-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.70	1.0
Carbon Disulfide	U	1.0	ug/L	2	1	2.0	0.50	1.0
Freon-113	U	1.0	ug/L	2	1	2.0	0.62	1.0
Methylene Chloride	U	5.0	ug/L	2	5	10.	2.3	5.0
Acetone	J	5.7	ug/L	2	5	10.	4.4	5.0
trans-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.50	1.0
Methyl tert-butyl Ether	U	1.0	ug/L	2	1	2.0	0.72	1.0
1,1-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.42	1.0
cis-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.42	1.0
Chloroform	U	1.0	ug/L	2	1	2.0	0.64	1.0
1,1,1-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
2-Butanone	U	5.0	ug/L	2	5	10.	2.6	5.0
Cyclohexane	U	1.0	ug/L	2	1	2.0	0.62	1.0
Carbon Tetrachloride	U	1.0	ug/L	2	1	2.0	0.44	1.0
Benzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,2-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
Trichloroethene	U	1.0	ug/L	2	1	2.0	0.56	1.0
1,2-Dichloropropane	U	1.0	ug/L	2	1	2.0	0.50	1.0
Bromodichloromethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
cis-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.38	1.0
Toluene	U	1.0	ug/L	2	1	2.0	0.54	1.0
4-Methyl-2-Pentanone	U	5.0	ug/L	2	5	10.	2.6	5.0
trans-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.40	1.0
1,1,2-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
Tetrachloroethene	U	1.0	ug/L	2	1	2.0	0.80	1.0
Dibromochloromethane	U	1.0	ug/L	2	1	2.0	0.60	1.0
2-Hexanone	U	5.0	ug/L	2	5	10.	3.4	5.0
Chlorobenzene	U	1.0	ug/L	2	1	2.0	0.44	1.0
Ethylbenzene	U	1.0	ug/L	2	1	2.0	0.42	1.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-4DL
Client ID: VPB168-GW-102717-358-360
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7927.D

Sample Date: 27-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	3.0	ug/L	2	3	6.0	0.50	3.0
Styrene	U	1.0	ug/L	2	1	2.0	0.46	1.0
Bromoform	U	1.0	ug/L	2	1	2.0	0.46	1.0
Isopropylbenzene	U	1.0	ug/L	2	1	2.0	0.46	1.0
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	2	1	2.0	0.76	1.0
1,3-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,4-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.48	1.0
1,2-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.30	1.0
1,2,4-Trichlorobenzene	U	1.0	ug/L	2	1	2.0	0.74	1.0
Methyl Acetate	U	1.5	ug/L	2	1	2.0	1.1	1.5
Methylcyclohexane	U	1.0	ug/L	2	1	2.0	0.60	1.0
o-Xylene	U	1.0	ug/L	2	1	2.0	0.50	1.0
M+P-Xylenes	U	2.0	ug/L	2	2	4.0	1.2	2.0
1,2-Dichloroethylene (Total)	U	2.0	ug/L	2	2	4.0	0.42	2.0
1,2-Dibromoethane	U	1.0	ug/L	2	1	2.0	0.44	1.0
1,2-Dibromo-3-Chloropropane	U	1.5	ug/L	2	1	2.0	1.0	1.5
P-Bromofluorobenzene		101.	%					
Toluene-d8		99.8	%					
1,2-Dichloroethane-d4		117.	%					
Dibromofluoromethane		107.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-5
Client ID: VPB168-GW-103017-403-405
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7929.D

Sample Date: 30-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		4.7	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.8	ug/L	1	1	1.0	0.21	0.50
Chloroform		3.4	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		51	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		7.9	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-5
Client ID: VPB168-GW-103017-403-405
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7929.D

Sample Date: 30-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	1.8	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		97.8	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4	*	123.	%					
Dibromofluoromethane		113.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-6
Client ID: VPB168-EB-103017-403-405
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7925.D

Sample Date: 30-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0162-6
Client ID: VPB168-EB-103017-403-405
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0162
Lab File ID: S7925.D

Sample Date: 30-OCT-17
Received Date: 31-OCT-17
Extract Date: 01-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG216827

Analysis Date: 01-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 02-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		99.0	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		117.	%					
Dibromofluoromethane		107.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-1
Client ID: VPB168-TB-103117
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3157.D

Sample Date: 31-OCT-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-1
Client ID: VPB168-TB-103117
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3157.D

Sample Date: 31-OCT-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		106.	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		117.	%					
Dibromofluoromethane	*	116.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-2DL
Client ID: VPB168-GW-103117-418-420
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3158.D

Sample Date: 31-OCT-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
Chloromethane	U	2.0	ug/L	2	2	4.0	0.72	2.0
Vinyl Chloride	U	2.0	ug/L	2	2	4.0	0.50	2.0
Bromomethane	U	2.0	ug/L	2	2	4.0	0.98	2.0
Chloroethane	U	2.0	ug/L	2	2	4.0	1.1	2.0
Trichlorofluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
1,1-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.70	1.0
Carbon Disulfide	U	1.0	ug/L	2	1	2.0	0.50	1.0
Freon-113	J	0.90	ug/L	2	1	2.0	0.62	1.0
Methylene Chloride	U	5.0	ug/L	2	5	10.	2.3	5.0
Acetone	JL	5.8	ug/L	2	5	10.	4.4	5.0
trans-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.50	1.0
Methyl tert-butyl Ether	U	1.0	ug/L	2	1	2.0	0.72	1.0
1,1-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.42	1.0
cis-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.42	1.0
Chloroform	U	1.0	ug/L	2	1	2.0	0.64	1.0
1,1,1-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
2-Butanone	U	5.0	ug/L	2	5	10.	2.6	5.0
Cyclohexane	U	1.0	ug/L	2	1	2.0	0.62	1.0
Carbon Tetrachloride	U	1.0	ug/L	2	1	2.0	0.44	1.0
Benzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,2-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
Trichloroethene		31	ug/L	2	1	2.0	0.56	1.0
1,2-Dichloropropane	U	1.0	ug/L	2	1	2.0	0.50	1.0
Bromodichloromethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
cis-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.38	1.0
Toluene	U	1.0	ug/L	2	1	2.0	0.54	1.0
4-Methyl-2-Pentanone	U	5.0	ug/L	2	5	10.	2.6	5.0
trans-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.40	1.0
1,1,2-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
Tetrachloroethene		3.3	ug/L	2	1	2.0	0.80	1.0
Dibromochloromethane	U	1.0	ug/L	2	1	2.0	0.60	1.0
2-Hexanone	U	5.0	ug/L	2	5	10.	3.4	5.0
Chlorobenzene	U	1.0	ug/L	2	1	2.0	0.44	1.0
Ethylbenzene	U	1.0	ug/L	2	1	2.0	0.42	1.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-2DL
Client ID: VPB168-GW-103117-418-420
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3158.D

Sample Date: 31-OCT-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	3.0	ug/L	2	3	6.0	0.50	3.0
Styrene	U	1.0	ug/L	2	1	2.0	0.46	1.0
Bromoform	U	1.0	ug/L	2	1	2.0	0.46	1.0
Isopropylbenzene	U	1.0	ug/L	2	1	2.0	0.46	1.0
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	2	1	2.0	0.76	1.0
1,3-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,4-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.48	1.0
1,2-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.30	1.0
1,2,4-Trichlorobenzene	U	1.0	ug/L	2	1	2.0	0.74	1.0
Methyl Acetate	U	1.5	ug/L	2	1	2.0	1.1	1.5
Methylcyclohexane	U	1.0	ug/L	2	1	2.0	0.60	1.0
o-Xylene	U	1.0	ug/L	2	1	2.0	0.50	1.0
M+P-Xylenes	U	2.0	ug/L	2	2	4.0	1.2	2.0
1,2-Dichloroethylene (Total)	U	2.0	ug/L	2	2	4.0	0.42	2.0
1,2-Dibromoethane	U	1.0	ug/L	2	1	2.0	0.44	1.0
1,2-Dibromo-3-Chloropropane	U	1.5	ug/L	2	1	2.0	1.0	1.5
P-Bromofluorobenzene		102.	%					
Toluene-d8		99.2	%					
1,2-Dichloroethane-d4		115.	%					
Dibromofluoromethane		113.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-3
Client ID: VPB168-GW-103117-443-445
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3159.D

Sample Date: 31-OCT-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		10	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		1.8	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-3
Client ID: VPB168-GW-103117-443-445
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3159.D

Sample Date: 31-OCT-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		105.	%					
Toluene-d8		100.	%					
1,2-Dichloroethane-d4		114.	%					
Dibromofluoromethane		113.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-4DL
Client ID: VPB168-GW-110117-458-460
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3160.D

Sample Date: 01-NOV-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
Chloromethane	U	2.0	ug/L	2	2	4.0	0.72	2.0
Vinyl Chloride	U	2.0	ug/L	2	2	4.0	0.50	2.0
Bromomethane	U	2.0	ug/L	2	2	4.0	0.98	2.0
Chloroethane	U	2.0	ug/L	2	2	4.0	1.1	2.0
Trichlorofluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
1,1-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.70	1.0
Carbon Disulfide	U	1.0	ug/L	2	1	2.0	0.50	1.0
Freon-113	J	1.2	ug/L	2	1	2.0	0.62	1.0
Methylene Chloride	U	5.0	ug/L	2	5	10.	2.3	5.0
Acetone	UL	5.0	ug/L	2	5	10.	4.4	5.0
trans-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.50	1.0
Methyl tert-butyl Ether	U	1.0	ug/L	2	1	2.0	0.72	1.0
1,1-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.42	1.0
cis-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.42	1.0
Chloroform	U	1.0	ug/L	2	1	2.0	0.64	1.0
1,1,1-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
2-Butanone	U	5.0	ug/L	2	5	10.	2.6	5.0
Cyclohexane	U	1.0	ug/L	2	1	2.0	0.62	1.0
Carbon Tetrachloride	U	1.0	ug/L	2	1	2.0	0.44	1.0
Benzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,2-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
Trichloroethene		36	ug/L	2	1	2.0	0.56	1.0
1,2-Dichloropropane	U	1.0	ug/L	2	1	2.0	0.50	1.0
Bromodichloromethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
cis-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.38	1.0
Toluene	U	1.0	ug/L	2	1	2.0	0.54	1.0
4-Methyl-2-Pentanone	U	5.0	ug/L	2	5	10.	2.6	5.0
trans-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.40	1.0
1,1,2-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
Tetrachloroethene		4.5	ug/L	2	1	2.0	0.80	1.0
Dibromochloromethane	U	1.0	ug/L	2	1	2.0	0.60	1.0
2-Hexanone	U	5.0	ug/L	2	5	10.	3.4	5.0
Chlorobenzene	U	1.0	ug/L	2	1	2.0	0.44	1.0
Ethylbenzene	U	1.0	ug/L	2	1	2.0	0.42	1.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-4DL
Client ID: VPB168-GW-110117-458-460
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3160.D

Sample Date: 01-NOV-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	3.0	ug/L	2	3	6.0	0.50	3.0
Styrene	U	1.0	ug/L	2	1	2.0	0.46	1.0
Bromoform	U	1.0	ug/L	2	1	2.0	0.46	1.0
Isopropylbenzene	U	1.0	ug/L	2	1	2.0	0.46	1.0
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	2	1	2.0	0.76	1.0
1,3-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,4-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.48	1.0
1,2-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.30	1.0
1,2,4-Trichlorobenzene	U	1.0	ug/L	2	1	2.0	0.74	1.0
Methyl Acetate	U	1.5	ug/L	2	1	2.0	1.1	1.5
Methylcyclohexane	U	1.0	ug/L	2	1	2.0	0.60	1.0
o-Xylene	U	1.0	ug/L	2	1	2.0	0.50	1.0
M+P-Xylenes	U	2.0	ug/L	2	2	4.0	1.2	2.0
1,2-Dichloroethylene (Total)	U	2.0	ug/L	2	2	4.0	0.42	2.0
1,2-Dibromoethane	U	1.0	ug/L	2	1	2.0	0.44	1.0
1,2-Dibromo-3-Chloropropane	U	1.5	ug/L	2	1	2.0	1.0	1.5
P-Bromofluorobenzene		105.	%					
Toluene-d8		103.	%					
1,2-Dichloroethane-d4		115.	%					
Dibromofluoromethane		114.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-5
Client ID: VPB168-GW-110117-478-480
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3161.D

Sample Date: 01-NOV-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	JL	2.8	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.49	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		35	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene		14	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		3.2	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-5
Client ID: VPB168-GW-110117-478-480
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3161.D

Sample Date: 01-NOV-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	0.49	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		103.	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane	*	117.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-6
Client ID: VPB168-GW-110117-498-500
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3162.D

Sample Date: 01-NOV-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	J	0.97	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		56	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	JL	4.3	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.8	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		100	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene		2.7	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		9.4	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0255-6
Client ID: VPB168-GW-110117-498-500
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0255
Lab File ID: P3162.D

Sample Date: 01-NOV-17
Received Date: 02-NOV-17
Extract Date: 03-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG216995

Analysis Date: 03-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 06-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		2.8	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		102.	%					
Toluene-d8		97.6	%					
1,2-Dichloroethane-d4		118.	%					
Dibromofluoromethane	*	118.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0383-1
Client ID: VPB168-TB-110217
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0383
Lab File ID: W1788.D

Sample Date: 02-NOV-17
Received Date: 06-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 08-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0383-1
Client ID: VPB168-TB-110217
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0383
Lab File ID: W1788.D

Sample Date: 02-NOV-17
Received Date: 06-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 08-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		99.9	%					
Toluene-d8		104.	%					
1,2-Dichloroethane-d4	*	125.	%					
Dibromofluoromethane	*	120.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0383-2
Client ID: VPB168-GW-110217-518-520
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0383
Lab File ID: W1791.D

Sample Date: 02-NOV-17
Received Date: 06-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 08-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	J	0.70	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	J	0.31	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		2.1	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	E	180	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	JL	3.9	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	J	0.43	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		4.2	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.36	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	J	0.37	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	E	160	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene		15	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	E	170	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0383-2
Client ID: VPB168-GW-110217-518-520
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0383
Lab File ID: W1791.D

Sample Date: 02-NOV-17
Received Date: 06-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 08-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		4.2	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		98.5	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4	*	130.	%					
Dibromofluoromethane	*	126.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0383-3
Client ID: VPB168-GW-110217-538-540
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0383
Lab File ID: W1792.D

Sample Date: 02-NOV-17
Received Date: 06-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 08-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	J	0.37	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	J	0.25	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		2.2	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	E	220	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	JL	3.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		4.1	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.42	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		110	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene		14	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		23	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0383-3
Client ID: VPB168-GW-110217-538-540
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0383
Lab File ID: W1792.D

Sample Date: 02-NOV-17
Received Date: 06-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 08-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		4.1	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		98.2	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4	*	131.	%					
Dibromofluoromethane	*	122.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-1
Client ID: VPB168-GW-110317-558-560
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1793.D

Sample Date: 03-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.26	ug/L	1	2	2.0	0.24	1.0
Chloromethane	J	0.46	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane		3.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	J	0.78	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		21	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	L	13	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	J	0.33	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		4.5	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.45	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	J	3.0	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		110	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene		3.7	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		11	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-1
Client ID: VPB168-GW-110317-558-560
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1793.D

Sample Date: 03-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		4.5	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		101.	%					
Toluene-d8		103.	%					
1,2-Dichloroethane-d4	*	131.	%					
Dibromofluoromethane	*	123.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-1RA
Client ID: VPB168-GW-110317-558-560
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: P3230.D

Sample Date: 03-NOV-17
Received Date: 07-NOV-17
Extract Date: 08-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG217315

Analysis Date: 08-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	J	0.46	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		16	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone		12	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		3.0	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		94	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene		3.3	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		11	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-1RA
Client ID: VPB168-GW-110317-558-560
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: P3230.D

Sample Date: 03-NOV-17
Received Date: 07-NOV-17
Extract Date: 08-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG217315

Analysis Date: 08-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		3.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		98.4	%					
Toluene-d8		96.9	%					
1,2-Dichloroethane-d4	*	123.	%					
Dibromofluoromethane		113.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-4DL
Client ID: VPB168-GW-110317-578-580
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1794.D

Sample Date: 03-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	20	ug/L	20	2	40.	4.8	20.
Chloromethane	U	20	ug/L	20	2	40.	7.2	20.
Vinyl Chloride	U	20	ug/L	20	2	40.	5.0	20.
Bromomethane		60	ug/L	20	2	40.	9.8	20.
Chloroethane	U	20	ug/L	20	2	40.	11.	20.
Trichlorofluoromethane	U	20	ug/L	20	2	40.	4.8	20.
1,1-Dichloroethene	U	10	ug/L	20	1	20.	7.0	10.
Carbon Disulfide	U	10	ug/L	20	1	20.	5.0	10.
Freon-113	U	10	ug/L	20	1	20.	6.2	10.
Methylene Chloride	U	50	ug/L	20	5	100	23.	50.
Acetone	UL	50	ug/L	20	5	100	44.	50.
trans-1,2-Dichloroethene	U	10	ug/L	20	1	20.	5.0	10.
Methyl tert-butyl Ether	U	10	ug/L	20	1	20.	7.2	10.
1,1-Dichloroethane	U	10	ug/L	20	1	20.	4.2	10.
cis-1,2-Dichloroethene	U	10	ug/L	20	1	20.	4.2	10.
Chloroform	U	10	ug/L	20	1	20.	6.4	10.
1,1,1-Trichloroethane	U	10	ug/L	20	1	20.	4.0	10.
2-Butanone	U	50	ug/L	20	5	100	26.	50.
Cyclohexane	U	10	ug/L	20	1	20.	6.2	10.
Carbon Tetrachloride	U	10	ug/L	20	1	20.	4.4	10.
Benzene	U	10	ug/L	20	1	20.	5.2	10.
1,2-Dichloroethane	U	10	ug/L	20	1	20.	4.0	10.
Trichloroethene	U	10	ug/L	20	1	20.	5.6	10.
1,2-Dichloropropane	U	10	ug/L	20	1	20.	5.0	10.
Bromodichloromethane	U	10	ug/L	20	1	20.	6.6	10.
cis-1,3-Dichloropropene	U	10	ug/L	20	1	20.	3.8	10.
Toluene	J	11	ug/L	20	1	20.	5.4	10.
4-Methyl-2-Pentanone	U	50	ug/L	20	5	100	26.	50.
trans-1,3-Dichloropropene	U	10	ug/L	20	1	20.	4.0	10.
1,1,2-Trichloroethane	U	10	ug/L	20	1	20.	6.6	10.
Tetrachloroethene	U	10	ug/L	20	1	20.	8.0	10.
Dibromochloromethane	U	10	ug/L	20	1	20.	6.0	10.
2-Hexanone	U	50	ug/L	20	5	100	34.	50.
Chlorobenzene	U	10	ug/L	20	1	20.	4.4	10.
Ethylbenzene	U	10	ug/L	20	1	20.	4.2	10.

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-4DL
Client ID: VPB168-GW-110317-578-580
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1794.D

Sample Date: 03-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	30	ug/L	20	3	60.	5.0	30.
Styrene	U	10	ug/L	20	1	20.	4.6	10.
Bromoform	U	10	ug/L	20	1	20.	4.6	10.
Isopropylbenzene	U	10	ug/L	20	1	20.	4.6	10.
1,1,2,2-Tetrachloroethane	U	10	ug/L	20	1	20.	7.6	10.
1,3-Dichlorobenzene	U	10	ug/L	20	1	20.	5.2	10.
1,4-Dichlorobenzene	U	10	ug/L	20	1	20.	4.8	10.
1,2-Dichlorobenzene	U	10	ug/L	20	1	20.	3.0	10.
1,2,4-Trichlorobenzene	U	10	ug/L	20	1	20.	7.4	10.
Methyl Acetate	U	15	ug/L	20	1	20.	11.	15.
Methylcyclohexane	U	10	ug/L	20	1	20.	6.0	10.
o-Xylene	U	10	ug/L	20	1	20.	5.0	10.
M+P-Xylenes	U	20	ug/L	20	2	40.	12.	20.
1,2-Dichloroethylene (Total)	U	20	ug/L	20	2	40.	4.2	20.
1,2-Dibromoethane	U	10	ug/L	20	1	20.	4.4	10.
1,2-Dibromo-3-Chloropropane	U	15	ug/L	20	1	20.	10.	15.
P-Bromofluorobenzene		102.	%					
Toluene-d8		104.	%					
1,2-Dichloroethane-d4	*	132.	%					
Dibromofluoromethane	*	124.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-5
Client ID: VPB168-TB-110617
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1787.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	J	0.39	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane		2.3	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	UL	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-5
Client ID: VPB168-TB-110617
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1787.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		102.	%					
Toluene-d8		105.	%					
1,2-Dichloroethane-d4	*	122.	%					
Dibromofluoromethane	*	119.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-6
Client ID: VPB168-GW-110617-598-600
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1795.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.25	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	J	0.27	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		3.4	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	E	980	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	L	10	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	J	0.31	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.6	ug/L	1	1	1.0	0.21	0.50
Chloroform	J	0.37	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	J	0.43	ug/L	1	1	1.0	0.20	0.50
2-Butanone	J	2.3	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.69	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		95	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane		1.4	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		36	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-6
Client ID: VPB168-GW-110617-598-600
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1795.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		2.6	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		100.	%					
Toluene-d8		103.	%					
1,2-Dichloroethane-d4	*	132.	%					
Dibromofluoromethane	*	121.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-6DL
Client ID: VPB168-GW-110617-598-600
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: P3233.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 08-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG217315

Analysis Date: 08-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	10	ug/L	10	2	20.	2.4	10.
Chloromethane	U	10	ug/L	10	2	20.	3.6	10.
Vinyl Chloride	U	10	ug/L	10	2	20.	2.5	10.
Bromomethane	U	10	ug/L	10	2	20.	4.9	10.
Chloroethane	U	10	ug/L	10	2	20.	5.5	10.
Trichlorofluoromethane	U	10	ug/L	10	2	20.	2.4	10.
1,1-Dichloroethene	U	5.0	ug/L	10	1	10.	3.5	5.0
Carbon Disulfide	U	5.0	ug/L	10	1	10.	2.5	5.0
Freon-113		770	ug/L	10	1	10.	3.1	5.0
Methylene Chloride	U	25	ug/L	10	5	50.	11.	25.
Acetone	U	25	ug/L	10	5	50.	22.	25.
trans-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.5	5.0
Methyl tert-butyl Ether	U	5.0	ug/L	10	1	10.	3.6	5.0
1,1-Dichloroethane	U	5.0	ug/L	10	1	10.	2.1	5.0
cis-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.1	5.0
Chloroform	U	5.0	ug/L	10	1	10.	3.2	5.0
1,1,1-Trichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
2-Butanone	U	25	ug/L	10	5	50.	13.	25.
Cyclohexane	U	5.0	ug/L	10	1	10.	3.1	5.0
Carbon Tetrachloride	U	5.0	ug/L	10	1	10.	2.2	5.0
Benzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,2-Dichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
Trichloroethene		77	ug/L	10	1	10.	2.8	5.0
1,2-Dichloropropane	U	5.0	ug/L	10	1	10.	2.5	5.0
Bromodichloromethane	U	5.0	ug/L	10	1	10.	3.3	5.0
cis-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	1.9	5.0
Toluene	U	5.0	ug/L	10	1	10.	2.7	5.0
4-Methyl-2-Pentanone	U	25	ug/L	10	5	50.	13.	25.
trans-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	2.0	5.0
1,1,2-Trichloroethane	U	5.0	ug/L	10	1	10.	3.3	5.0
Tetrachloroethene		34	ug/L	10	1	10.	4.0	5.0
Dibromochloromethane	U	5.0	ug/L	10	1	10.	3.0	5.0
2-Hexanone	U	25	ug/L	10	5	50.	17.	25.
Chlorobenzene	U	5.0	ug/L	10	1	10.	2.2	5.0
Ethylbenzene	U	5.0	ug/L	10	1	10.	2.1	5.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-6DL
Client ID: VPB168-GW-110617-598-600
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: P3233.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 08-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG217315

Analysis Date: 08-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	15	ug/L	10	3	30.	2.5	15.
Styrene	U	5.0	ug/L	10	1	10.	2.3	5.0
Bromoform	U	5.0	ug/L	10	1	10.	2.3	5.0
Isopropylbenzene	U	5.0	ug/L	10	1	10.	2.3	5.0
1,1,2,2-Tetrachloroethane	U	5.0	ug/L	10	1	10.	3.8	5.0
1,3-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,4-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.4	5.0
1,2-Dichlorobenzene	U	5.0	ug/L	10	1	10.	1.5	5.0
1,2,4-Trichlorobenzene	U	5.0	ug/L	10	1	10.	3.7	5.0
Methyl Acetate	U	7.5	ug/L	10	1	10.	5.3	7.5
Methylcyclohexane	U	5.0	ug/L	10	1	10.	3.0	5.0
o-Xylene	U	5.0	ug/L	10	1	10.	2.5	5.0
M+P-Xylenes	U	10	ug/L	10	2	20.	5.9	10.
1,2-Dichloroethylene (Total)	U	10	ug/L	10	2	20.	2.1	10.
1,2-Dibromoethane	U	5.0	ug/L	10	1	10.	2.2	5.0
1,2-Dibromo-3-Chloropropane	U	7.5	ug/L	10	1	10.	5.0	7.5
P-Bromofluorobenzene		101.	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4	*	128.	%					
Dibromofluoromethane		112.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-7
Client ID: VPB168-FD-110617
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1796.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	J	0.26	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane		2.2	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	J	0.26	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		3.5	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	E	960	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	L	12	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.7	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	J	0.39	ug/L	1	1	1.0	0.20	0.50
2-Butanone	J	2.3	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.56	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		92	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane		1.3	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		35	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-7
Client ID: VPB168-FD-110617
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1796.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)		2.7	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		99.7	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4	*	132.	%					
Dibromofluoromethane	*	121.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-7DL
Client ID: VPB168-FD-110617
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: P3234.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 08-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG217315

Analysis Date: 08-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	10	ug/L	10	2	20.	2.4	10.
Chloromethane	U	10	ug/L	10	2	20.	3.6	10.
Vinyl Chloride	U	10	ug/L	10	2	20.	2.5	10.
Bromomethane	U	10	ug/L	10	2	20.	4.9	10.
Chloroethane	U	10	ug/L	10	2	20.	5.5	10.
Trichlorofluoromethane	U	10	ug/L	10	2	20.	2.4	10.
1,1-Dichloroethene	U	5.0	ug/L	10	1	10.	3.5	5.0
Carbon Disulfide	U	5.0	ug/L	10	1	10.	2.5	5.0
Freon-113		740	ug/L	10	1	10.	3.1	5.0
Methylene Chloride	U	25	ug/L	10	5	50.	11.	25.
Acetone	U	25	ug/L	10	5	50.	22.	25.
trans-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.5	5.0
Methyl tert-butyl Ether	U	5.0	ug/L	10	1	10.	3.6	5.0
1,1-Dichloroethane	U	5.0	ug/L	10	1	10.	2.1	5.0
cis-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.1	5.0
Chloroform	U	5.0	ug/L	10	1	10.	3.2	5.0
1,1,1-Trichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
2-Butanone	U	25	ug/L	10	5	50.	13.	25.
Cyclohexane	U	5.0	ug/L	10	1	10.	3.1	5.0
Carbon Tetrachloride	U	5.0	ug/L	10	1	10.	2.2	5.0
Benzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,2-Dichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
Trichloroethene		73	ug/L	10	1	10.	2.8	5.0
1,2-Dichloropropane	U	5.0	ug/L	10	1	10.	2.5	5.0
Bromodichloromethane	U	5.0	ug/L	10	1	10.	3.3	5.0
cis-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	1.9	5.0
Toluene	U	5.0	ug/L	10	1	10.	2.7	5.0
4-Methyl-2-Pentanone	U	25	ug/L	10	5	50.	13.	25.
trans-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	2.0	5.0
1,1,2-Trichloroethane	U	5.0	ug/L	10	1	10.	3.3	5.0
Tetrachloroethene		31	ug/L	10	1	10.	4.0	5.0
Dibromochloromethane	U	5.0	ug/L	10	1	10.	3.0	5.0
2-Hexanone	U	25	ug/L	10	5	50.	17.	25.
Chlorobenzene	U	5.0	ug/L	10	1	10.	2.2	5.0
Ethylbenzene	U	5.0	ug/L	10	1	10.	2.1	5.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-7DL
Client ID: VPB168-FD-110617
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: P3234.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 08-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG217315

Analysis Date: 08-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	15	ug/L	10	3	30.	2.5	15.
Styrene	U	5.0	ug/L	10	1	10.	2.3	5.0
Bromoform	U	5.0	ug/L	10	1	10.	2.3	5.0
Isopropylbenzene	U	5.0	ug/L	10	1	10.	2.3	5.0
1,1,2,2-Tetrachloroethane	U	5.0	ug/L	10	1	10.	3.8	5.0
1,3-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,4-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.4	5.0
1,2-Dichlorobenzene	U	5.0	ug/L	10	1	10.	1.5	5.0
1,2,4-Trichlorobenzene	U	5.0	ug/L	10	1	10.	3.7	5.0
Methyl Acetate	U	7.5	ug/L	10	1	10.	5.3	7.5
Methylcyclohexane	U	5.0	ug/L	10	1	10.	3.0	5.0
o-Xylene	U	5.0	ug/L	10	1	10.	2.5	5.0
M+P-Xylenes	U	10	ug/L	10	2	20.	5.9	10.
1,2-Dichloroethylene (Total)	U	10	ug/L	10	2	20.	2.1	10.
1,2-Dibromoethane	U	5.0	ug/L	10	1	10.	2.2	5.0
1,2-Dibromo-3-Chloropropane	U	7.5	ug/L	10	1	10.	5.0	7.5
P-Bromofluorobenzene		100.	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4	*	133.	%					
Dibromofluoromethane	*	117.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-8
Client ID: VPB168-GW-110617-618-620
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1797.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane		3.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene		2.2	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	EMM	810	ug/L	1	1	1.0	0.31	.5
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	L	7.2	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.8	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.48	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		53	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	J	0.84	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	UM	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene		1.1	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		20	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-8
Client ID: VPB168-GW-110617-618-620
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: W1797.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 07-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217222

Analysis Date: 07-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	J	1.8	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		99.6	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4	*	131.	%					
Dibromofluoromethane	*	121.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-8DL
Client ID: VPB168-GW-110617-618-620
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: P3235.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 08-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG217315

Analysis Date: 08-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	10	ug/L	10	2	20.	2.4	10.
Chloromethane	U	10	ug/L	10	2	20.	3.6	10.
Vinyl Chloride	U	10	ug/L	10	2	20.	2.5	10.
Bromomethane	U	10	ug/L	10	2	20.	4.9	10.
Chloroethane	U	10	ug/L	10	2	20.	5.5	10.
Trichlorofluoromethane	U	10	ug/L	10	2	20.	2.4	10.
1,1-Dichloroethene	U	5.0	ug/L	10	1	10.	3.5	5.0
Carbon Disulfide	U	5.0	ug/L	10	1	10.	2.5	5.0
Freon-113	MM	520	ug/L	10	1	10.	3.1	5
Methylene Chloride	U	25	ug/L	10	5	50.	11.	25.
Acetone	U	25	ug/L	10	5	50.	22.	25.
trans-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.5	5.0
Methyl tert-butyl Ether	U	5.0	ug/L	10	1	10.	3.6	5.0
1,1-Dichloroethane	U	5.0	ug/L	10	1	10.	2.1	5.0
cis-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.1	5.0
Chloroform	U	5.0	ug/L	10	1	10.	3.2	5.0
1,1,1-Trichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
2-Butanone	U	25	ug/L	10	5	50.	13.	25.
Cyclohexane	U	5.0	ug/L	10	1	10.	3.1	5.0
Carbon Tetrachloride	U	5.0	ug/L	10	1	10.	2.2	5.0
Benzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,2-Dichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
Trichloroethene		37	ug/L	10	1	10.	2.8	5.0
1,2-Dichloropropane	U	5.0	ug/L	10	1	10.	2.5	5.0
Bromodichloromethane	UM	5.0	ug/L	10	1	10.	3.3	5
cis-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	1.9	5.0
Toluene	U	5.0	ug/L	10	1	10.	2.7	5.0
4-Methyl-2-Pentanone	U	25	ug/L	10	5	50.	13.	25.
trans-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	2.0	5.0
1,1,2-Trichloroethane	U	5.0	ug/L	10	1	10.	3.3	5.0
Tetrachloroethene		16	ug/L	10	1	10.	4.0	5.0
Dibromochloromethane	U	5.0	ug/L	10	1	10.	3.0	5.0
2-Hexanone	U	25	ug/L	10	5	50.	17.	25.
Chlorobenzene	U	5.0	ug/L	10	1	10.	2.2	5.0
Ethylbenzene	U	5.0	ug/L	10	1	10.	2.1	5.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0428-8DL
Client ID: VPB168-GW-110617-618-620
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0428
Lab File ID: P3235.D

Sample Date: 06-NOV-17
Received Date: 07-NOV-17
Extract Date: 08-NOV-17
Extracted By: HG/TT
Extraction Method: SW846 5030
Lab Prep Batch: WG217315

Analysis Date: 08-NOV-17
Analyst: HG/TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 10-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	15	ug/L	10	3	30.	2.5	15.
Styrene	U	5.0	ug/L	10	1	10.	2.3	5.0
Bromoform	U	5.0	ug/L	10	1	10.	2.3	5.0
Isopropylbenzene	U	5.0	ug/L	10	1	10.	2.3	5.0
1,1,2,2-Tetrachloroethane	U	5.0	ug/L	10	1	10.	3.8	5.0
1,3-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,4-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.4	5.0
1,2-Dichlorobenzene	U	5.0	ug/L	10	1	10.	1.5	5.0
1,2,4-Trichlorobenzene	U	5.0	ug/L	10	1	10.	3.7	5.0
Methyl Acetate	U	7.5	ug/L	10	1	10.	5.3	7.5
Methylcyclohexane	U	5.0	ug/L	10	1	10.	3.0	5.0
o-Xylene	U	5.0	ug/L	10	1	10.	2.5	5.0
M+P-Xylenes	U	10	ug/L	10	2	20.	5.9	10.
1,2-Dichloroethylene (Total)	U	10	ug/L	10	2	20.	2.1	10.
1,2-Dibromoethane	U	5.0	ug/L	10	1	10.	2.2	5.0
1,2-Dibromo-3-Chloropropane	U	7.5	ug/L	10	1	10.	5.0	7.5
P-Bromofluorobenzene		99.2	%					
Toluene-d8		99.2	%					
1,2-Dichloroethane-d4	*	128.	%					
Dibromofluoromethane		111.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0537-1
Client ID: VPB168-TB-110717
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0537
Lab File ID: S8055.D

Sample Date: 07-NOV-17
Received Date: 09-NOV-17
Extract Date: 10-NOV-17
Extracted By: JSS/HC
Extraction Method: SW846 5030
Lab Prep Batch: WG217506

Analysis Date: 10-NOV-17
Analyst: JSS/HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0537-1
Client ID: VPB168-TB-110717
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0537
Lab File ID: S8055.D

Sample Date: 07-NOV-17
Received Date: 09-NOV-17
Extract Date: 10-NOV-17
Extracted By: JSS/HC
Extraction Method: SW846 5030
Lab Prep Batch: WG217506

Analysis Date: 10-NOV-17
Analyst: JSS/HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		96.2	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		109.	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0537-2DL
Client ID: VPB168-GW-110717-658-660
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0537
Lab File ID: S8056.D

Sample Date: 07-NOV-17
Received Date: 09-NOV-17
Extract Date: 10-NOV-17
Extracted By: JSS/HC
Extraction Method: SW846 5030
Lab Prep Batch: WG217506

Analysis Date: 10-NOV-17
Analyst: JSS/HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	20	ug/L	20	2	40.	4.8	20.
Chloromethane	U	20	ug/L	20	2	40.	7.2	20.
Vinyl Chloride	U	20	ug/L	20	2	40.	5.0	20.
Bromomethane	U	20	ug/L	20	2	40.	9.8	20.
Chloroethane	U	20	ug/L	20	2	40.	11.	20.
Trichlorofluoromethane	U	20	ug/L	20	2	40.	4.8	20.
1,1-Dichloroethene	U	10	ug/L	20	1	20.	7.0	10.
Carbon Disulfide	U	10	ug/L	20	1	20.	5.0	10.
Freon-113	U	10	ug/L	20	1	20.	6.2	10.
Methylene Chloride	U	50	ug/L	20	5	100	23.	50.
Acetone	U	50	ug/L	20	5	100	44.	50.
trans-1,2-Dichloroethene	U	10	ug/L	20	1	20.	5.0	10.
Methyl tert-butyl Ether	U	10	ug/L	20	1	20.	7.2	10.
1,1-Dichloroethane	U	10	ug/L	20	1	20.	4.2	10.
cis-1,2-Dichloroethene	U	10	ug/L	20	1	20.	4.2	10.
Chloroform	U	10	ug/L	20	1	20.	6.4	10.
1,1,1-Trichloroethane	U	10	ug/L	20	1	20.	4.0	10.
2-Butanone	U	50	ug/L	20	5	100	26.	50.
Cyclohexane	U	10	ug/L	20	1	20.	6.2	10.
Carbon Tetrachloride	U	10	ug/L	20	1	20.	4.4	10.
Benzene	U	10	ug/L	20	1	20.	5.2	10.
1,2-Dichloroethane	U	10	ug/L	20	1	20.	4.0	10.
Trichloroethene	U	10	ug/L	20	1	20.	5.6	10.
1,2-Dichloropropane	U	10	ug/L	20	1	20.	5.0	10.
Bromodichloromethane	U	10	ug/L	20	1	20.	6.6	10.
cis-1,3-Dichloropropene	U	10	ug/L	20	1	20.	3.8	10.
Toluene		37	ug/L	20	1	20.	5.4	10.
4-Methyl-2-Pentanone	U	50	ug/L	20	5	100	26.	50.
trans-1,3-Dichloropropene	U	10	ug/L	20	1	20.	4.0	10.
1,1,2-Trichloroethane	U	10	ug/L	20	1	20.	6.6	10.
Tetrachloroethene	U	10	ug/L	20	1	20.	8.0	10.
Dibromochloromethane	U	10	ug/L	20	1	20.	6.0	10.
2-Hexanone	U	50	ug/L	20	5	100	34.	50.
Chlorobenzene	U	10	ug/L	20	1	20.	4.4	10.
Ethylbenzene	U	10	ug/L	20	1	20.	4.2	10.

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0537-2DL
Client ID: VPB168-GW-110717-658-660
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0537
Lab File ID: S8056.D

Sample Date: 07-NOV-17
Received Date: 09-NOV-17
Extract Date: 10-NOV-17
Extracted By: JSS/HC
Extraction Method: SW846 5030
Lab Prep Batch: WG217506

Analysis Date: 10-NOV-17
Analyst: JSS/HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	30	ug/L	20	3	60.	5.0	30.
Styrene	U	10	ug/L	20	1	20.	4.6	10.
Bromoform	U	10	ug/L	20	1	20.	4.6	10.
Isopropylbenzene	U	10	ug/L	20	1	20.	4.6	10.
1,1,2,2-Tetrachloroethane	U	10	ug/L	20	1	20.	7.6	10.
1,3-Dichlorobenzene	U	10	ug/L	20	1	20.	5.2	10.
1,4-Dichlorobenzene	U	10	ug/L	20	1	20.	4.8	10.
1,2-Dichlorobenzene	U	10	ug/L	20	1	20.	3.0	10.
1,2,4-Trichlorobenzene	U	10	ug/L	20	1	20.	7.4	10.
Methyl Acetate	U	15	ug/L	20	1	20.	11.	15.
Methylcyclohexane	U	10	ug/L	20	1	20.	6.0	10.
o-Xylene	U	10	ug/L	20	1	20.	5.0	10.
M+P-Xylenes	U	20	ug/L	20	2	40.	12.	20.
1,2-Dichloroethylene (Total)	U	20	ug/L	20	2	40.	4.2	20.
1,2-Dibromoethane	U	10	ug/L	20	1	20.	4.4	10.
1,2-Dibromo-3-Chloropropane	U	15	ug/L	20	1	20.	10.	15.
P-Bromofluorobenzene		95.3	%					
Toluene-d8		99.8	%					
1,2-Dichloroethane-d4		119.	%					
Dibromofluoromethane		108.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0537-3DL
Client ID: VPB168-GW-110817-698-700
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0537
Lab File ID: S8057.D

Sample Date: 08-NOV-17
Received Date: 09-NOV-17
Extract Date: 10-NOV-17
Extracted By: JSS/HC
Extraction Method: SW846 5030
Lab Prep Batch: WG217506

Analysis Date: 10-NOV-17
Analyst: JSS/HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	10	ug/L	10	2	20.	2.4	10.
Chloromethane	U	10	ug/L	10	2	20.	3.6	10.
Vinyl Chloride	U	10	ug/L	10	2	20.	2.5	10.
Bromomethane	U	10	ug/L	10	2	20.	4.9	10.
Chloroethane	U	10	ug/L	10	2	20.	5.5	10.
Trichlorofluoromethane	U	10	ug/L	10	2	20.	2.4	10.
1,1-Dichloroethene	U	5.0	ug/L	10	1	10.	3.5	5.0
Carbon Disulfide	U	5.0	ug/L	10	1	10.	2.5	5.0
Freon-113	U	5.0	ug/L	10	1	10.	3.1	5.0
Methylene Chloride	U	25	ug/L	10	5	50.	11.	25.
Acetone	U	25	ug/L	10	5	50.	22.	25.
trans-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.5	5.0
Methyl tert-butyl Ether	U	5.0	ug/L	10	1	10.	3.6	5.0
1,1-Dichloroethane	U	5.0	ug/L	10	1	10.	2.1	5.0
cis-1,2-Dichloroethene	U	5.0	ug/L	10	1	10.	2.1	5.0
Chloroform	U	5.0	ug/L	10	1	10.	3.2	5.0
1,1,1-Trichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
2-Butanone	U	25	ug/L	10	5	50.	13.	25.
Cyclohexane	U	5.0	ug/L	10	1	10.	3.1	5.0
Carbon Tetrachloride	U	5.0	ug/L	10	1	10.	2.2	5.0
Benzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,2-Dichloroethane	U	5.0	ug/L	10	1	10.	2.0	5.0
Trichloroethene	U	5.0	ug/L	10	1	10.	2.8	5.0
1,2-Dichloropropane	U	5.0	ug/L	10	1	10.	2.5	5.0
Bromodichloromethane	U	5.0	ug/L	10	1	10.	3.3	5.0
cis-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	1.9	5.0
Toluene		35	ug/L	10	1	10.	2.7	5.0
4-Methyl-2-Pentanone	U	25	ug/L	10	5	50.	13.	25.
trans-1,3-Dichloropropene	U	5.0	ug/L	10	1	10.	2.0	5.0
1,1,2-Trichloroethane	U	5.0	ug/L	10	1	10.	3.3	5.0
Tetrachloroethene	U	5.0	ug/L	10	1	10.	4.0	5.0
Dibromochloromethane	U	5.0	ug/L	10	1	10.	3.0	5.0
2-Hexanone	U	25	ug/L	10	5	50.	17.	25.
Chlorobenzene	U	5.0	ug/L	10	1	10.	2.2	5.0
Ethylbenzene	U	5.0	ug/L	10	1	10.	2.1	5.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0537-3DL
Client ID: VPB168-GW-110817-698-700
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0537
Lab File ID: S8057.D

Sample Date: 08-NOV-17
Received Date: 09-NOV-17
Extract Date: 10-NOV-17
Extracted By: JSS/HC
Extraction Method: SW846 5030
Lab Prep Batch: WG217506

Analysis Date: 10-NOV-17
Analyst: JSS/HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	15	ug/L	10	3	30.	2.5	15.
Styrene	U	5.0	ug/L	10	1	10.	2.3	5.0
Bromoform	U	5.0	ug/L	10	1	10.	2.3	5.0
Isopropylbenzene	U	5.0	ug/L	10	1	10.	2.3	5.0
1,1,2,2-Tetrachloroethane	U	5.0	ug/L	10	1	10.	3.8	5.0
1,3-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.6	5.0
1,4-Dichlorobenzene	U	5.0	ug/L	10	1	10.	2.4	5.0
1,2-Dichlorobenzene	U	5.0	ug/L	10	1	10.	1.5	5.0
1,2,4-Trichlorobenzene	U	5.0	ug/L	10	1	10.	3.7	5.0
Methyl Acetate	U	7.5	ug/L	10	1	10.	5.3	7.5
Methylcyclohexane	U	5.0	ug/L	10	1	10.	3.0	5.0
o-Xylene	U	5.0	ug/L	10	1	10.	2.5	5.0
M+P-Xylenes	U	10	ug/L	10	2	20.	5.9	10.
1,2-Dichloroethylene (Total)	U	10	ug/L	10	2	20.	2.1	10.
1,2-Dibromoethane	U	5.0	ug/L	10	1	10.	2.2	5.0
1,2-Dibromo-3-Chloropropane	U	7.5	ug/L	10	1	10.	5.0	7.5
P-Bromofluorobenzene		98.6	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		114.	%					
Dibromofluoromethane		108.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0537-4
Client ID: VPB168-GW-110817-683-685
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0537
Lab File ID: S8058.D

Sample Date: 08-NOV-17
Received Date: 09-NOV-17
Extract Date: 10-NOV-17
Extracted By: JSS/HC
Extraction Method: SW846 5030
Lab Prep Batch: WG217506

Analysis Date: 10-NOV-17
Analyst: JSS/HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	J	0.62	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113		110	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone		9.0	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		9.0	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene		4.3	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		9.5	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	J	0.79	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0537-4
Client ID: VPB168-GW-110817-683-685
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0537
Lab File ID: S8058.D

Sample Date: 08-NOV-17
Received Date: 09-NOV-17
Extract Date: 10-NOV-17
Extracted By: JSS/HC
Extraction Method: SW846 5030
Lab Prep Batch: WG217506

Analysis Date: 10-NOV-17
Analyst: JSS/HG
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 13-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	J	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	J	0.39	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	J	1.1	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		97.2	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		114.	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0592-1
Client ID: VPB168-TB-110917
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0592
Lab File ID: P3283.D

Sample Date: 09-NOV-17
Received Date: 10-NOV-17
Extract Date: 13-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217769

Analysis Date: 13-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0592-1
Client ID: VPB168-TB-110917
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0592
Lab File ID: P3283.D

Sample Date: 09-NOV-17
Received Date: 10-NOV-17
Extract Date: 13-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217769

Analysis Date: 13-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		96.5	%					
Toluene-d8		99.8	%					
1,2-Dichloroethane-d4		112.	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0592-2DL
Client ID: VPB168-GW-110917-723-725
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0592
Lab File ID: P3284.D

Sample Date: 09-NOV-17
Received Date: 10-NOV-17
Extract Date: 13-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217769

Analysis Date: 13-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	20	ug/L	20	2	40.	4.8	20.
Chloromethane	U	20	ug/L	20	2	40.	7.2	20.
Vinyl Chloride	U	20	ug/L	20	2	40.	5.0	20.
Bromomethane	U	20	ug/L	20	2	40.	9.8	20.
Chloroethane	U	20	ug/L	20	2	40.	11.	20.
Trichlorofluoromethane	U	20	ug/L	20	2	40.	4.8	20.
1,1-Dichloroethene	U	10	ug/L	20	1	20.	7.0	10.
Carbon Disulfide	U	10	ug/L	20	1	20.	5.0	10.
Freon-113	U	10	ug/L	20	1	20.	6.2	10.
Methylene Chloride	U	50	ug/L	20	5	100	23.	50.
Acetone	U	50	ug/L	20	5	100	44.	50.
trans-1,2-Dichloroethene	U	10	ug/L	20	1	20.	5.0	10.
Methyl tert-butyl Ether	U	10	ug/L	20	1	20.	7.2	10.
1,1-Dichloroethane	U	10	ug/L	20	1	20.	4.2	10.
cis-1,2-Dichloroethene	U	10	ug/L	20	1	20.	4.2	10.
Chloroform	U	10	ug/L	20	1	20.	6.4	10.
1,1,1-Trichloroethane	U	10	ug/L	20	1	20.	4.0	10.
2-Butanone	U	50	ug/L	20	5	100	26.	50.
Cyclohexane	U	10	ug/L	20	1	20.	6.2	10.
Carbon Tetrachloride	U	10	ug/L	20	1	20.	4.4	10.
Benzene	U	10	ug/L	20	1	20.	5.2	10.
1,2-Dichloroethane	U	10	ug/L	20	1	20.	4.0	10.
Trichloroethene	U	10	ug/L	20	1	20.	5.6	10.
1,2-Dichloropropane	U	10	ug/L	20	1	20.	5.0	10.
Bromodichloromethane	U	10	ug/L	20	1	20.	6.6	10.
cis-1,3-Dichloropropene	U	10	ug/L	20	1	20.	3.8	10.
Toluene	J	11	ug/L	20	1	20.	5.4	10.
4-Methyl-2-Pentanone	U	50	ug/L	20	5	100	26.	50.
trans-1,3-Dichloropropene	U	10	ug/L	20	1	20.	4.0	10.
1,1,2-Trichloroethane	U	10	ug/L	20	1	20.	6.6	10.
Tetrachloroethene	U	10	ug/L	20	1	20.	8.0	10.
Dibromochloromethane	U	10	ug/L	20	1	20.	6.0	10.
2-Hexanone	U	50	ug/L	20	5	100	34.	50.
Chlorobenzene	U	10	ug/L	20	1	20.	4.4	10.
Ethylbenzene	U	10	ug/L	20	1	20.	4.2	10.

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0592-2DL
Client ID: VPB168-GW-110917-723-725
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0592
Lab File ID: P3284.D

Sample Date: 09-NOV-17
Received Date: 10-NOV-17
Extract Date: 13-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217769

Analysis Date: 13-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	30	ug/L	20	3	60.	5.0	30.
Styrene	U	10	ug/L	20	1	20.	4.6	10.
Bromoform	U	10	ug/L	20	1	20.	4.6	10.
Isopropylbenzene	U	10	ug/L	20	1	20.	4.6	10.
1,1,2,2-Tetrachloroethane	U	10	ug/L	20	1	20.	7.6	10.
1,3-Dichlorobenzene	U	10	ug/L	20	1	20.	5.2	10.
1,4-Dichlorobenzene	U	10	ug/L	20	1	20.	4.8	10.
1,2-Dichlorobenzene	U	10	ug/L	20	1	20.	3.0	10.
1,2,4-Trichlorobenzene	U	10	ug/L	20	1	20.	7.4	10.
Methyl Acetate	U	15	ug/L	20	1	20.	11.	15.
Methylcyclohexane	U	10	ug/L	20	1	20.	6.0	10.
o-Xylene	U	10	ug/L	20	1	20.	5.0	10.
M+P-Xylenes	U	20	ug/L	20	2	40.	12.	20.
1,2-Dichloroethylene (Total)	U	20	ug/L	20	2	40.	4.2	20.
1,2-Dibromoethane	U	10	ug/L	20	1	20.	4.4	10.
1,2-Dibromo-3-Chloropropane	U	15	ug/L	20	1	20.	10.	15.
P-Bromofluorobenzene		98.2	%					
Toluene-d8		102.	%					
1,2-Dichloroethane-d4		114.	%					
Dibromofluoromethane		106.	%					

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Form 4
Method Blank Summary - VOA

Lab Name : Katahdin Analytical Services
SDG : TK0592
Project : Navy Clean WE15-03-06 NWIRP Bethpage,
Lab Sample ID : WG217769-9
Lab File ID : P3281.D
Date Analyzed : 13-NOV-17
Instrument ID : GCMS-P
Time Analyzed : 17:56
Heated Purge : No

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG217769-7	P3279.D	11/13/17	16:42
VPB168-TB-110917	TK0592-1	P3283.D	11/13/17	19:04
VPB168-GW-110917-723-725	TK0592-2DL	P3284.D	11/13/17	19:38

Report of Analytical Results

Client:
Lab ID: WG217769-9
Client ID: Method Blank Sample
Project:
SDG: TK0592
Lab File ID: P3281.D

Sample Date:
Received Date:
Extract Date: 13-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217769

Analysis Date: 13-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50

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Report of Analytical Results

Client:
Lab ID: WG217769-9
Client ID: Method Blank Sample
Project:
SDG: TK0592
Lab File ID: P3281.D

Sample Date:
Received Date:
Extract Date: 13-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217769

Analysis Date: 13-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		96.4	%					
Toluene-d8		99.5	%					
1,2-Dichloroethane-d4		106.	%					
Dibromofluoromethane		104.	%					

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LCS Recovery Report

Client:
Lab ID: WG217769-7
Client ID: LCS
Project:
SDG: TK0592
LCS File ID: P3279.D

Sample Date:
Received Date:
Extract Date: 13-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217769

Analysis Date: 13-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-NOV-17

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	68.4	50.0	34.2	ug/L	30-155
Chloromethane	93.8	50.0	46.9	ug/L	40-125
Vinyl Chloride	96.0	50.0	48.0	ug/L	50-145
Bromomethane	97.0	50.0	48.5	ug/L	30-145
Chloroethane	107.	50.0	53.5	ug/L	60-135
Trichlorofluoromethane	112.	50.0	55.8	ug/L	60-145
1,1-Dichloroethene	109.	50.0	54.6	ug/L	70-130
Carbon Disulfide	90.8	50.0	45.4	ug/L	35-160
Freon-113	102.	50.0	50.8	ug/L	73-126
Methylene Chloride	103.	50.0	51.3	ug/L	55-140
Acetone	117.	50.0	58.4	ug/L	40-140
trans-1,2-Dichloroethene	108.	50.0	54.0	ug/L	60-140
Methyl tert-butyl Ether	108.	50.0	53.8	ug/L	65-125
1,1-Dichloroethane	114.	50.0	57.0	ug/L	70-135
cis-1,2-Dichloroethene	110.	50.0	54.9	ug/L	70-125
Chloroform	110.	50.0	55.0	ug/L	65-135
1,1,1-Trichloroethane	109.	50.0	54.5	ug/L	65-130
2-Butanone	110.	50.0	55.0	ug/L	30-150
Cyclohexane	102.	50.0	51.1	ug/L	71-133
Carbon Tetrachloride	109.	50.0	54.7	ug/L	65-140
Benzene	108.	50.0	53.9	ug/L	80-120
1,2-Dichloroethane	105.	50.0	52.5	ug/L	70-130
Trichloroethene	106.	50.0	52.9	ug/L	70-125
1,2-Dichloropropane	109.	50.0	54.4	ug/L	75-125
Bromodichloromethane	114.	50.0	57.1	ug/L	75-120
cis-1,3-Dichloropropene	94.4	50.0	47.2	ug/L	70-130
Toluene	108.	50.0	54.2	ug/L	75-120
4-Methyl-2-Pentanone	103.	50.0	51.4	ug/L	60-135
trans-1,3-Dichloropropene	101.	50.0	50.4	ug/L	55-140
1,1,2-Trichloroethane	105.	50.0	52.5	ug/L	75-125
Tetrachloroethene	109.	50.0	54.7	ug/L	45-150
Dibromochloromethane	112.	50.0	55.9	ug/L	60-135
2-Hexanone	97.0	50.0	48.5	ug/L	55-130
Chlorobenzene	107.	50.0	53.3	ug/L	80-120
Ethylbenzene	113.	50.0	56.7	ug/L	75-125

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LCS Recovery Report

Client:
Lab ID: WG217769-7
Client ID: LCS
Project:
SDG: TK0592
LCS File ID: P3279.D

Sample Date:
Received Date:
Extract Date: 13-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG217769

Analysis Date: 13-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 14-NOV-17

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Xylenes (total)	109.	150.	164.	ug/L	89-116
Styrene	105.	50.0	52.5	ug/L	65-135
Bromoform	101.	50.0	50.3	ug/L	70-130
Isopropylbenzene	110.	50.0	54.9	ug/L	75-125
1,1,2,2-Tetrachloroethane	110.	50.0	54.8	ug/L	65-130
1,3-Dichlorobenzene	110.	50.0	54.8	ug/L	75-125
1,4-Dichlorobenzene	102.	50.0	51.0	ug/L	75-125
1,2-Dichlorobenzene	107.	50.0	53.6	ug/L	70-120
1,2,4-Trichlorobenzene	105.	50.0	52.7	ug/L	65-135
Methyl Acetate	97.8	50.0	48.9	ug/L	70-132
Methylcyclohexane	104.	50.0	51.9	ug/L	73-125
o-Xylene	101.	50.0	50.7	ug/L	80-120
M+P-Xylenes	113.	100.	113.	ug/L	75-130
1,2-Dichloroethylene (Total)	109.	100.	109.	ug/L	84-121
1,2-Dibromoethane	109.	50.0	54.6	ug/L	80-120
1,2-Dibromo-3-Chloropropane	108.	50.0	54.1	ug/L	50-130
P-Bromofluorobenzene	99.1				75-120
Toluene-d8	99.4				85-120
1,2-Dichloroethane-d4	99.5				70-120
Dibromofluoromethane	99.4				85-115

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-1
Client ID: VPB168-GW-111417-763-765
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8226.D

Sample Date: 14-NOV-17
Received Date: 17-NOV-17
Extract Date: 20-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218364

Analysis Date: 20-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	J	2.4	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	J	0.71	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-1
Client ID: VPB168-GW-111417-763-765
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8226.D

Sample Date: 14-NOV-17
Received Date: 17-NOV-17
Extract Date: 20-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218364

Analysis Date: 20-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		94.1	%					
Toluene-d8		103.	%					
1,2-Dichloroethane-d4		114.	%					
Dibromofluoromethane		110.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-2
Client ID: VPB168-GW-111417-778-780
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8227.D

Sample Date: 14-NOV-17
Received Date: 17-NOV-17
Extract Date: 20-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218364

Analysis Date: 20-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	J	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone		25	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone		5.1	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	E	160	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	J	0.32	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-2
Client ID: VPB168-GW-111417-778-780
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8227.D

Sample Date: 14-NOV-17
Received Date: 17-NOV-17
Extract Date: 20-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218364

Analysis Date: 20-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		93.5	%					
Toluene-d8		99.7	%					
1,2-Dichloroethane-d4		112.	%					
Dibromofluoromethane		106.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-2DL
Client ID: VPB168-GW-111417-778-780
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8238.D

Sample Date: 14-NOV-17
Received Date: 17-NOV-17
Extract Date: 21-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218415

Analysis Date: 21-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
Chloromethane	UL	2.0	ug/L	2	2	4.0	0.72	2.0
Vinyl Chloride	U	2.0	ug/L	2	2	4.0	0.50	2.0
Bromomethane	U	2.0	ug/L	2	2	4.0	0.98	2.0
Chloroethane	U	2.0	ug/L	2	2	4.0	1.1	2.0
Trichlorofluoromethane	U	2.0	ug/L	2	2	4.0	0.48	2.0
1,1-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.70	1.0
Carbon Disulfide	U	1.0	ug/L	2	1	2.0	0.50	1.0
Freon-113	U	1.0	ug/L	2	1	2.0	0.62	1.0
Methylene Chloride	U	5.0	ug/L	2	5	10.	2.3	5.0
Acetone		30	ug/L	2	5	10.	4.4	5.0
trans-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.50	1.0
Methyl tert-butyl Ether	U	1.0	ug/L	2	1	2.0	0.72	1.0
1,1-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.42	1.0
cis-1,2-Dichloroethene	U	1.0	ug/L	2	1	2.0	0.42	1.0
Chloroform	U	1.0	ug/L	2	1	2.0	0.64	1.0
1,1,1-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
2-Butanone	J	6.0	ug/L	2	5	10.	2.6	5.0
Cyclohexane	U	1.0	ug/L	2	1	2.0	0.62	1.0
Carbon Tetrachloride	U	1.0	ug/L	2	1	2.0	0.44	1.0
Benzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,2-Dichloroethane	U	1.0	ug/L	2	1	2.0	0.40	1.0
Trichloroethene	U	1.0	ug/L	2	1	2.0	0.56	1.0
1,2-Dichloropropane	U	1.0	ug/L	2	1	2.0	0.50	1.0
Bromodichloromethane	UL	1.0	ug/L	2	1	2.0	0.66	1.0
cis-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.38	1.0
Toluene		180	ug/L	2	1	2.0	0.54	1.0
4-Methyl-2-Pentanone	U	5.0	ug/L	2	5	10.	2.6	5.0
trans-1,3-Dichloropropene	U	1.0	ug/L	2	1	2.0	0.40	1.0
1,1,2-Trichloroethane	U	1.0	ug/L	2	1	2.0	0.66	1.0
Tetrachloroethene	U	1.0	ug/L	2	1	2.0	0.80	1.0
Dibromochloromethane	U	1.0	ug/L	2	1	2.0	0.60	1.0
2-Hexanone	U	5.0	ug/L	2	5	10.	3.4	5.0
Chlorobenzene	U	1.0	ug/L	2	1	2.0	0.44	1.0
Ethylbenzene	U	1.0	ug/L	2	1	2.0	0.42	1.0

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-2DL
Client ID: VPB168-GW-111417-778-780
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8238.D

Sample Date: 14-NOV-17
Received Date: 17-NOV-17
Extract Date: 21-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218415

Analysis Date: 21-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	UL	3.0	ug/L	2	3	6.0	0.50	3.0
Styrene	U	1.0	ug/L	2	1	2.0	0.46	1.0
Bromoform	U	1.0	ug/L	2	1	2.0	0.46	1.0
Isopropylbenzene	UL	1.0	ug/L	2	1	2.0	0.46	1.0
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	2	1	2.0	0.76	1.0
1,3-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.52	1.0
1,4-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.48	1.0
1,2-Dichlorobenzene	U	1.0	ug/L	2	1	2.0	0.30	1.0
1,2,4-Trichlorobenzene	U	1.0	ug/L	2	1	2.0	0.74	1.0
Methyl Acetate	U	1.5	ug/L	2	1	2.0	1.1	1.5
Methylcyclohexane	U	1.0	ug/L	2	1	2.0	0.60	1.0
o-Xylene	U	1.0	ug/L	2	1	2.0	0.50	1.0
M+P-Xylenes	U	2.0	ug/L	2	2	4.0	1.2	2.0
1,2-Dichloroethylene (Total)	U	2.0	ug/L	2	2	4.0	0.42	2.0
1,2-Dibromoethane	U	1.0	ug/L	2	1	2.0	0.44	1.0
1,2-Dibromo-3-Chloropropane	U	1.5	ug/L	2	1	2.0	1.0	1.5
P-Bromofluorobenzene		97.0	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		106.	%					
Dibromofluoromethane		103.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-3DL
Client ID: VPB168-GW-111517-818-820
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8228.D

Sample Date: 15-NOV-17
Received Date: 17-NOV-17
Extract Date: 20-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218364

Analysis Date: 20-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	40	ug/L	40	2	80.	9.6	40.
Chloromethane	U	40	ug/L	40	2	80.	14.	40.
Vinyl Chloride	U	40	ug/L	40	2	80.	10.	40.
Bromomethane	U	40	ug/L	40	2	80.	20.	40.
Chloroethane	U	40	ug/L	40	2	80.	22.	40.
Trichlorofluoromethane	U	40	ug/L	40	2	80.	9.6	40.
1,1-Dichloroethene	U	20	ug/L	40	1	40.	14.	20.
Carbon Disulfide	U	20	ug/L	40	1	40.	10.	20.
Freon-113	U	20	ug/L	40	1	40.	12.	20.
Methylene Chloride	U	100	ug/L	40	5	200	45.	100
Acetone	U	100	ug/L	40	5	200	88.	100
trans-1,2-Dichloroethene	U	20	ug/L	40	1	40.	10.	20.
Methyl tert-butyl Ether	U	20	ug/L	40	1	40.	14.	20.
1,1-Dichloroethane	U	20	ug/L	40	1	40.	8.4	20.
cis-1,2-Dichloroethene	U	20	ug/L	40	1	40.	8.4	20.
Chloroform	U	20	ug/L	40	1	40.	13.	20.
1,1,1-Trichloroethane	U	20	ug/L	40	1	40.	8.0	20.
2-Butanone	U	100	ug/L	40	5	200	52.	100
Cyclohexane	U	20	ug/L	40	1	40.	12.	20.
Carbon Tetrachloride	U	20	ug/L	40	1	40.	8.8	20.
Benzene	U	20	ug/L	40	1	40.	10.	20.
1,2-Dichloroethane	U	20	ug/L	40	1	40.	8.0	20.
Trichloroethene	U	20	ug/L	40	1	40.	11.	20.
1,2-Dichloropropane	U	20	ug/L	40	1	40.	10.	20.
Bromodichloromethane	U	20	ug/L	40	1	40.	13.	20.
cis-1,3-Dichloropropene	U	20	ug/L	40	1	40.	7.6	20.
Toluene	J	11	ug/L	40	1	40.	11.	20.
4-Methyl-2-Pentanone	U	100	ug/L	40	5	200	53.	100
trans-1,3-Dichloropropene	U	20	ug/L	40	1	40.	8.0	20.
1,1,2-Trichloroethane	U	20	ug/L	40	1	40.	13.	20.
Tetrachloroethene	U	20	ug/L	40	1	40.	16.	20.
Dibromochloromethane	U	20	ug/L	40	1	40.	12.	20.
2-Hexanone	U	100	ug/L	40	5	200	68.	100
Chlorobenzene	U	20	ug/L	40	1	40.	8.8	20.
Ethylbenzene	U	20	ug/L	40	1	40.	8.4	20.

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-3DL
Client ID: VPB168-GW-111517-818-820
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8228.D

Sample Date: 15-NOV-17
Received Date: 17-NOV-17
Extract Date: 20-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218364

Analysis Date: 20-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	60	ug/L	40	3	120	10.	60.
Styrene	U	20	ug/L	40	1	40.	9.2	20.
Bromoform	U	20	ug/L	40	1	40.	9.2	20.
Isopropylbenzene	U	20	ug/L	40	1	40.	9.2	20.
1,1,2,2-Tetrachloroethane	U	20	ug/L	40	1	40.	15.	20.
1,3-Dichlorobenzene	U	20	ug/L	40	1	40.	10.	20.
1,4-Dichlorobenzene	U	20	ug/L	40	1	40.	9.6	20.
1,2-Dichlorobenzene	U	20	ug/L	40	1	40.	6.0	20.
1,2,4-Trichlorobenzene	U	20	ug/L	40	1	40.	15.	20.
Methyl Acetate	U	30	ug/L	40	1	40.	21.	30.
Methylcyclohexane	U	20	ug/L	40	1	40.	12.	20.
o-Xylene	U	20	ug/L	40	1	40.	10.	20.
M+P-Xylenes	U	40	ug/L	40	2	80.	24.	40.
1,2-Dichloroethylene (Total)	U	40	ug/L	40	2	80.	8.4	40.
1,2-Dibromoethane	U	20	ug/L	40	1	40.	8.8	20.
1,2-Dibromo-3-Chloropropane	U	30	ug/L	40	1	40.	20.	30.
P-Bromofluorobenzene		99.3	%					
Toluene-d8		105.	%					
1,2-Dichloroethane-d4		118.	%					
Dibromofluoromethane		113.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-4
Client ID: VPB168-TB-111417
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8221.D

Sample Date: 14-NOV-17
Received Date: 17-NOV-17
Extract Date: 20-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218364

Analysis Date: 20-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0866-4
Client ID: VPB168-TB-111417
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0866
Lab File ID: S8221.D

Sample Date: 14-NOV-17
Received Date: 17-NOV-17
Extract Date: 20-NOV-17
Extracted By: TTC
Extraction Method: SW846 5030
Lab Prep Batch: WG218364

Analysis Date: 20-NOV-17
Analyst: TTC
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 21-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		96.0	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		112.	%					
Dibromofluoromethane		109.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0758-1
Client ID: VPB168-TB-111317
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0758
Lab File ID: P3332.D

Sample Date: 13-NOV-17
Received Date: 15-NOV-17
Extract Date: 16-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG218007

Analysis Date: 16-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 17-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0758-1
Client ID: VPB168-TB-111317
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0758
Lab File ID: P3332.D

Sample Date: 13-NOV-17
Received Date: 15-NOV-17
Extract Date: 16-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG218007

Analysis Date: 16-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 17-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		95.6	%					
Toluene-d8		97.0	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		109.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0758-2
Client ID: VPB168-FB-111317
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0758
Lab File ID: P3333.D

Sample Date: 13-NOV-17
Received Date: 15-NOV-17
Extract Date: 16-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG218007

Analysis Date: 16-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 17-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.5	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	J	0.76	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane		1.3	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0758-2
Client ID: VPB168-FB-111317
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0758
Lab File ID: P3333.D

Sample Date: 13-NOV-17
Received Date: 15-NOV-17
Extract Date: 16-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG218007

Analysis Date: 16-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 17-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform		1.2	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		95.5	%					
Toluene-d8		97.4	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		110.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0758-3
Client ID: VPB168-EB-111317-743-745
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0758
Lab File ID: P3334.D

Sample Date: 13-NOV-17
Received Date: 15-NOV-17
Extract Date: 16-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG218007

Analysis Date: 16-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 17-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	1.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	1.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	1.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	1.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	1.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.50	ug/L	1	1	1.0	0.25	0.50
Freon-113	U	0.50	ug/L	1	1	1.0	0.31	0.50
Methylene Chloride	U	2.5	ug/L	1	5	5.0	1.1	2.5
Acetone	J	3.9	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.50	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.50	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.50	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
Cyclohexane	U	0.50	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	0.50	ug/L	1	1	1.0	0.22	0.50
Benzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.50	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.50	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.50	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.50	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	2.5	ug/L	1	5	5.0	1.3	2.5
trans-1,3-Dichloropropene	U	0.50	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.50	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	0.50	ug/L	1	1	1.0	0.40	0.50
Dibromochloromethane	U	0.50	ug/L	1	1	1.0	0.30	0.50
2-Hexanone	U	2.5	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.50	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.50	ug/L	1	1	1.0	0.21	0.50

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0758-3
Client ID: VPB168-EB-111317-743-745
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0758
Lab File ID: P3334.D

Sample Date: 13-NOV-17
Received Date: 15-NOV-17
Extract Date: 16-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG218007

Analysis Date: 16-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 17-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	1.5	ug/L	1	3	3.0	0.25	1.5
Styrene	U	0.50	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.50	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.50	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.50	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.50	ug/L	1	1	1.0	0.15	0.50
1,2,4-Trichlorobenzene	U	0.50	ug/L	1	1	1.0	0.37	0.50
Methyl Acetate	U	0.75	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.50	ug/L	1	1	1.0	0.30	0.50
o-Xylene	U	0.50	ug/L	1	1	1.0	0.25	0.50
M+P-Xylenes	U	1.0	ug/L	1	2	2.0	0.59	1.0
1,2-Dichloroethylene (Total)	U	1.0	ug/L	1	2	2.0	0.21	1.0
1,2-Dibromoethane	U	0.50	ug/L	1	1	1.0	0.22	0.50
1,2-Dibromo-3-Chloropropane	U	0.75	ug/L	1	1	1.0	0.50	0.75
P-Bromofluorobenzene		93.2	%					
Toluene-d8		96.2	%					
1,2-Dichloroethane-d4		116.	%					
Dibromofluoromethane		110.	%					

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0758-4DL
Client ID: VPB168-GW-111317-743-745
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0758
Lab File ID: P3335.D

Sample Date: 13-NOV-17
Received Date: 15-NOV-17
Extract Date: 16-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG218007

Analysis Date: 16-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 17-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	20	ug/L	20	2	40.	4.8	20.
Chloromethane	U	20	ug/L	20	2	40.	7.2	20.
Vinyl Chloride	U	20	ug/L	20	2	40.	5.0	20.
Bromomethane	U	20	ug/L	20	2	40.	9.8	20.
Chloroethane	U	20	ug/L	20	2	40.	11.	20.
Trichlorofluoromethane	U	20	ug/L	20	2	40.	4.8	20.
1,1-Dichloroethene	U	10	ug/L	20	1	20.	7.0	10.
Carbon Disulfide	U	10	ug/L	20	1	20.	5.0	10.
Freon-113	U	10	ug/L	20	1	20.	6.2	10.
Methylene Chloride	U	50	ug/L	20	5	100	23.	50.
Acetone	U	50	ug/L	20	5	100	44.	50.
trans-1,2-Dichloroethene	U	10	ug/L	20	1	20.	5.0	10.
Methyl tert-butyl Ether	U	10	ug/L	20	1	20.	7.2	10.
1,1-Dichloroethane	U	10	ug/L	20	1	20.	4.2	10.
cis-1,2-Dichloroethene	U	10	ug/L	20	1	20.	4.2	10.
Chloroform	U	10	ug/L	20	1	20.	6.4	10.
1,1,1-Trichloroethane	U	10	ug/L	20	1	20.	4.0	10.
2-Butanone	U	50	ug/L	20	5	100	26.	50.
Cyclohexane	U	10	ug/L	20	1	20.	6.2	10.
Carbon Tetrachloride	U	10	ug/L	20	1	20.	4.4	10.
Benzene	U	10	ug/L	20	1	20.	5.2	10.
1,2-Dichloroethane	U	10	ug/L	20	1	20.	4.0	10.
Trichloroethene	U	10	ug/L	20	1	20.	5.6	10.
1,2-Dichloropropane	U	10	ug/L	20	1	20.	5.0	10.
Bromodichloromethane	U	10	ug/L	20	1	20.	6.6	10.
cis-1,3-Dichloropropene	U	10	ug/L	20	1	20.	3.8	10.
Toluene		21	ug/L	20	1	20.	5.4	10.
4-Methyl-2-Pentanone	U	50	ug/L	20	5	100	26.	50.
trans-1,3-Dichloropropene	U	10	ug/L	20	1	20.	4.0	10.
1,1,2-Trichloroethane	U	10	ug/L	20	1	20.	6.6	10.
Tetrachloroethene	U	10	ug/L	20	1	20.	8.0	10.
Dibromochloromethane	U	10	ug/L	20	1	20.	6.0	10.
2-Hexanone	U	50	ug/L	20	5	100	34.	50.
Chlorobenzene	U	10	ug/L	20	1	20.	4.4	10.
Ethylbenzene	U	10	ug/L	20	1	20.	4.2	10.

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Report of Analytical Results

Client: ENSAFE
Lab ID: TK0758-4DL
Client ID: VPB168-GW-111317-743-745
Project: Navy Clean WE15-03-06 NWIRP Bethp
SDG: TK0758
Lab File ID: P3335.D

Sample Date: 13-NOV-17
Received Date: 15-NOV-17
Extract Date: 16-NOV-17
Extracted By: JSS
Extraction Method: SW846 5030
Lab Prep Batch: WG218007

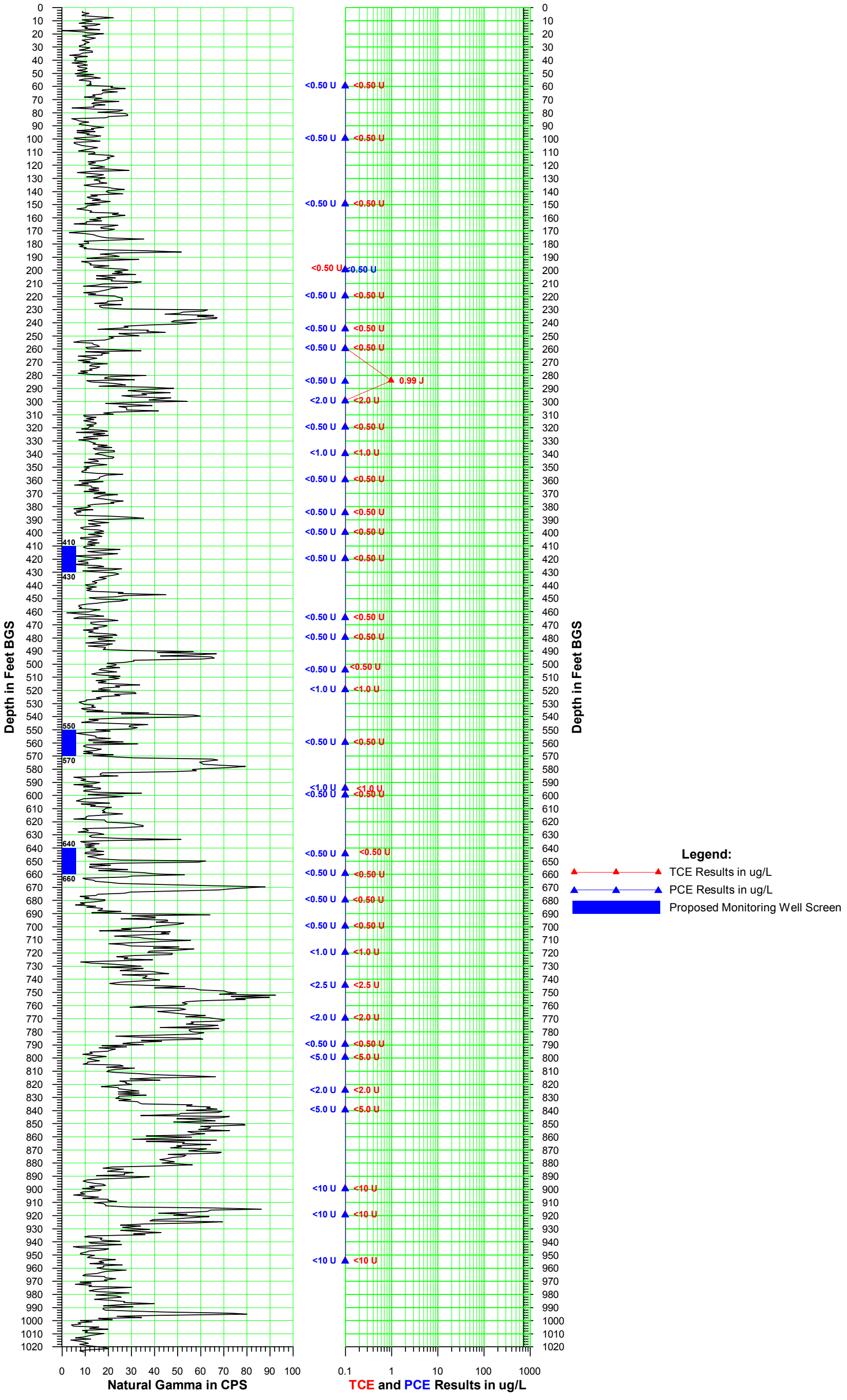
Analysis Date: 16-NOV-17
Analyst: JSS
Analysis Method: SW846 8260C
Matrix: AQ
% Solids: NA
Report Date: 17-NOV-17

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Xylenes (total)	U	30	ug/L	20	3	60.	5.0	30.
Styrene	U	10	ug/L	20	1	20.	4.6	10.
Bromoform	U	10	ug/L	20	1	20.	4.6	10.
Isopropylbenzene	U	10	ug/L	20	1	20.	4.6	10.
1,1,2,2-Tetrachloroethane	U	10	ug/L	20	1	20.	7.6	10.
1,3-Dichlorobenzene	U	10	ug/L	20	1	20.	5.2	10.
1,4-Dichlorobenzene	U	10	ug/L	20	1	20.	4.8	10.
1,2-Dichlorobenzene	U	10	ug/L	20	1	20.	3.0	10.
1,2,4-Trichlorobenzene	U	10	ug/L	20	1	20.	7.4	10.
Methyl Acetate	U	15	ug/L	20	1	20.	11.	15.
Methylcyclohexane	U	10	ug/L	20	1	20.	6.0	10.
o-Xylene	U	10	ug/L	20	1	20.	5.0	10.
M+P-Xylenes	U	20	ug/L	20	2	40.	12.	20.
1,2-Dichloroethylene (Total)	U	20	ug/L	20	2	40.	4.2	20.
1,2-Dibromoethane	U	10	ug/L	20	1	20.	4.4	10.
1,2-Dibromo-3-Chloropropane	U	15	ug/L	20	1	20.	10.	15.
P-Bromofluorobenzene		93.7	%					
Toluene-d8		101.	%					
1,2-Dichloroethane-d4		120	%					
Dibromofluoromethane		109.	%					

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Resolution Consultants
Vertical Profile Boring
VPB-169
June 2017
Preliminary Analytical Data
NOT YET PUBLISHED

Vertical Profile Boring VPB-169
Downward Run - June 28, 2017
Preliminary Analytical Data



Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK3960		
		Lab Identification		SK3960-1		
		Sample Identification		VPB169-TB-051217		
		Sample Date		5/12/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK3960		
		Lab Identification		SK3960-2		
		Sample Identification		VPB169-GW-051217-58-60		
		Sample Date		5/12/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	27	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	bt
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK3960		
		Lab Identification		SK3960-3		
		Sample Identification		VPB169-GW-051217-98-100		
		Sample Date		5/12/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	13	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4052		
		Lab Identification		SK4052-1		
		Sample Identification		VPB169-TB-051617		
		Sample Date		5/16/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4052		
		Lab Identification		SK4052-2		
		Sample Identification		VPB169-GW-051617-148-150		
		Sample Date		5/16/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	57	J	s,c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1.3	J	s,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4052		
		Lab Identification		SK4052-3		
		Sample Identification		VPB169-GW-051617-198-200		
		Sample Date		5/16/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	29	J	s,c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1.1	J	s,m,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4052		
		Lab Identification		SK4052-4		
		Sample Identification		VPB169-GW-051717-218-220		
		Sample Date		5/17/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	35	J	s,c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1.2	J	s,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4052		
		Lab Identification		SK4052-6		
		Sample Identification		VPB169-GW-051717-243-245		
		Sample Date		5/17/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	32	J	s,c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1.4	J	s,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4121		
		Lab Identification		SK4121-1		
		Sample Identification		VPB169-TB-051817		
		Sample Date		5/18/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4121		
		Lab Identification		SK4121-2		
		Sample Identification		VPB169-GW-051817-258-260		
		Sample Date		5/18/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.36	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	27	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1.6	J	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4121		
		Lab Identification		SK4121-3		
		Sample Identification		VPB169-GW-051817-283-285		
		Sample Date		5/18/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.2		
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	6.9		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.8		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.24	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	23	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1.2	J	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.24	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.88	J	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK4218		
		Lab Identification	SK4218-1		
		Sample Identification	VPB169-TB-051917		
		Sample Date	5/19/2017		
		Sample Type	Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK4218		
		Lab Identification	SK4218-2DL		
		Sample Identification	VPB169-GW-051917-298-300		
		Sample Date	5/19/2017		
		Sample Type	Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	10	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc
8260C	ACETONE	67-64-1	UG_L	30	J	c,mc
8260C	BENZENE	71-43-2	UG_L	2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	4	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	4	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	2	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	4	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	2	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	2	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	3	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	2	UJ	mc
8260C	STYRENE	100-42-5	UG_L	2	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	2	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	2	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	4	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	UJ	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK4218		
		Lab Identification		SK4218-3		
		Sample Identification		VPB169-GW-051917-318-320		
		Sample Date		5/19/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	3.9		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	23	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	0.99	J	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4218		
		Lab Identification		SK4218-4		
		Sample Identification		VPB169-GW-052217-338-340		
		Sample Date		5/22/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.6	J	c,mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	38	J	c,mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1.7	J	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4218		
		Lab Identification		SK4218-5		
		Sample Identification		VPB169-GW-052217-358-360		
		Sample Date		5/22/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.6		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	29	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	3		
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4327		
		Lab Identification		SK4327-1		
		Sample Identification		VPB169-TB-052317		
		Sample Date		5/23/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK4327		
		Lab Identification	SK4327-2		
		Sample Identification	VPB169-GW-052317-383-385		
		Sample Date	5/23/2017		
		Sample Type	Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	mc
8260C	ACETONE	67-64-1	UG_L	31	J	c,mc
8260C	BENZENE	71-43-2	UG_L	0.5	U	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	mc
8260C	STYRENE	100-42-5	UG_L	0.5	U	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	U	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4327		
		Lab Identification		SK4327-3		
		Sample Identification		VPB169-GW-052317-398-400		
		Sample Date		5/23/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	mc
8260C	ACETONE	67-64-1	UG_L	40	J	c,mc
8260C	BENZENE	71-43-2	UG_L	0.5	U	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	mc
8260C	STYRENE	100-42-5	UG_L	0.5	U	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	U	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4327		
		Lab Identification		SK4327-4		
		Sample Identification		VPB169-GW-052417-418-420		
		Sample Date		5/24/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	38	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1.6	J	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK4466		
		Lab Identification		SK4466-1		
		Sample Identification		VPB169-TB-052517		
		Sample Date		5/25/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK4466		
		Lab Identification		SK4466-2		
		Sample Identification		VPB169-GW-052517-463-465		
		Sample Date		5/25/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK4516		
		Lab Identification		SK4516-1		
		Sample Identification		VPB169-GW-052617-478-480		
		Sample Date		5/26/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	3	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UL	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4516		
		Lab Identification		SK4516-2		
		Sample Identification		VPB169-GW-052617-503-505		
		Sample Date		5/26/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	3.4	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UL	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK4516		
		Lab Identification	SK4516-3		
		Sample Identification	VPB169-TB-052617		
		Sample Date	5/26/2017		
		Sample Type	Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UL	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4516		
		Lab Identification		SK4516-4DL		
		Sample Identification		VPB169-GW-053017-518-520		
		Sample Date		5/30/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	U	
8260C	2-BUTANONE	78-93-3	UG_L	5	U	
8260C	2-HEXANONE	591-78-6	UG_L	5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	U	
8260C	ACETONE	67-64-1	UG_L	21		
8260C	BENZENE	71-43-2	UG_L	1	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	U	
8260C	BROMOFORM	75-25-2	UG_L	1	U	
8260C	BROMOMETHANE	74-83-9	UG_L	2	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	1	U	
8260C	CHLOROETHANE	75-00-3	UG_L	2	U	
8260C	CHLOROFORM	67-66-3	UG_L	1	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	2	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	1	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	1	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	U	
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	U	
8260C	O-XYLENE	95-47-6	UG_L	1	U	
8260C	STYRENE	100-42-5	UG_L	1	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	U	
8260C	TOLUENE	108-88-3	UG_L	1	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	UL	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4516		
		Lab Identification		SK4516-5		
		Sample Identification		VPB169-EB-053017		
		Sample Date		5/30/2017		
		Sample Type		Equipment Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	5.8		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UL	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4516		
		Lab Identification		SK4516-7		
		Sample Identification		VPB169-GW-053017-558-560		
		Sample Date		5/30/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UL	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4609		
		Lab Identification		SK4609-1		
		Sample Identification		VPB169-GW-060117-598-600		
		Sample Date		6/1/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.58	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4609		
		Lab Identification		SK4609-2DL		
		Sample Identification		VPB169-GW-060117-593-595		
		Sample Date		6/1/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.7	J	mc
8260C	2-HEXANONE	591-78-6	UG_L	5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	6.9	J	l,c
8260C	BENZENE	71-43-2	UG_L	1	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	1	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	UJ	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4609		
		Lab Identification		SK4609-5		
		Sample Identification		VPB169-TB-060117		
		Sample Date		6/1/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4901		
		Lab Identification		SK4901-1		
		Sample Identification		169-060817-698-700		
		Sample Date		6/8/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	26	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK4901		
		Lab Identification	SK4901-2		
		Sample Identification	169-060817-718-720		
		Sample Date	6/8/2017		
		Sample Type	Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	12	J	mc,c
8260C	BENZENE	71-43-2	UG_L	1	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	1	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	UJ	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK4901		
		Lab Identification	SK4901-3		
		Sample Identification	169-060717-658-660		
		Sample Date	6/7/2017		
		Sample Type	Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

			Sample Delivery Group	SK4901		
			Lab Identification	SK4901-4		
			Sample Identification	169-060717-678-680		
			Sample Date	6/7/2017		
			Sample Type	Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK4901		
		Lab Identification		SK4901-5		
		Sample Identification		169-060617-643-645		
		Sample Date		6/6/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.6	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	4	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK4901		
		Lab Identification		SK4901-6		
		Sample Identification		VPB169-TB-060617		
		Sample Date		6/6/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK5006		
		Lab Identification		SK5006-1		
		Sample Identification		VPB169-TB-060917		
		Sample Date		6/9/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK5006		
		Lab Identification		SK5006-2DL		
		Sample Identification		VPB169-GW-060917-743-745		
		Sample Date		6/9/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3.8	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	5	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	12	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	12	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	12	UJ	mc
8260C	ACETONE	67-64-1	UG_L	20	J	mc,c
8260C	BENZENE	71-43-2	UG_L	2.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	5	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	5	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	2.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	5	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	2.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	5	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	2.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	5	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	3.8	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	12	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	2.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	2.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	2.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	2.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	5	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	5	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	7.5	UJ	mc

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK5194		
		Lab Identification	SK5194-1		
		Sample Identification	VPB169-TB-061417		
		Sample Date	6/14/2017		
		Sample Type	Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK5194		
		Lab Identification		SK5194-2DL2		
		Sample Identification		VPB169-GW-061417-768-770		
		Sample Date		6/14/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	U	
8260C	2-BUTANONE	78-93-3	UG_L	10	U	
8260C	2-HEXANONE	591-78-6	UG_L	10	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	U	
8260C	ACETONE	67-64-1	UG_L	25		
8260C	BENZENE	71-43-2	UG_L	2	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	U	
8260C	BROMOFORM	75-25-2	UG_L	2	U	
8260C	BROMOMETHANE	74-83-9	UG_L	4	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	2	U	
8260C	CHLOROETHANE	75-00-3	UG_L	4	U	
8260C	CHLOROFORM	67-66-3	UG_L	2	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	4	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	2	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	2	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	U	
8260C	METHYL ACETATE	79-20-9	UG_L	3	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	U	
8260C	O-XYLENE	95-47-6	UG_L	2	U	
8260C	STYRENE	100-42-5	UG_L	2	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2	U	
8260C	TOLUENE	108-88-3	UG_L	2	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	2	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	4	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	U	

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK5194		
		Lab Identification		SK5194-3RA		
		Sample Identification		VPB169-GW-061517-788-790		
		Sample Date		6/15/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	be
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK5194		
		Lab Identification	SK5194-4		
		Sample Identification	VPB169-EB-061517		
		Sample Date	6/15/2017		
		Sample Type	Equipment Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	6.2		
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	11		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK5194		
		Lab Identification		SK5194-5DL2		
		Sample Identification		VPB169-GW-061517-798-800		
		Sample Date		6/15/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	7.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	10	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	5	U	
8260C	2-BUTANONE	78-93-3	UG_L	25	U	
8260C	2-HEXANONE	591-78-6	UG_L	25	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	25	U	
8260C	ACETONE	67-64-1	UG_L	25	U	
8260C	BENZENE	71-43-2	UG_L	5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	5	U	
8260C	BROMOFORM	75-25-2	UG_L	5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	10	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	10	U	
8260C	CHLOROFORM	67-66-3	UG_L	5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	10	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	10	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	10	U	
8260C	METHYL ACETATE	79-20-9	UG_L	7.5	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	25	U	
8260C	O-XYLENE	95-47-6	UG_L	5	U	
8260C	STYRENE	100-42-5	UG_L	5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	5	U	
8260C	TOLUENE	108-88-3	UG_L	5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	10	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	10	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	15	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK5272		
		Lab Identification		SK5272-1RA		
		Sample Identification		VPB169-TB-061617		
		Sample Date		6/16/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK5272		
		Lab Identification		SK5272-2DL2		
		Sample Identification		VPB169-GW-061617-823-825		
		Sample Date		6/16/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	U	
8260C	2-BUTANONE	78-93-3	UG_L	5	U	
8260C	2-HEXANONE	591-78-6	UG_L	5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	U	
8260C	ACETONE	67-64-1	UG_L	11	J	I
8260C	BENZENE	71-43-2	UG_L	1	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	U	
8260C	BROMOFORM	75-25-2	UG_L	1	U	
8260C	BROMOMETHANE	74-83-9	UG_L	2	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	1	U	
8260C	CHLOROETHANE	75-00-3	UG_L	2	U	
8260C	CHLOROFORM	67-66-3	UG_L	1	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	2	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	1	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	1	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	U	
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	U	
8260C	O-XYLENE	95-47-6	UG_L	1	U	
8260C	STYRENE	100-42-5	UG_L	1	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	U	
8260C	TOLUENE	108-88-3	UG_L	1	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK5272		
		Lab Identification		SK5272-3DL2		
		Sample Identification		VPB169-GW-061917-838-840		
		Sample Date		6/19/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	7.5	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	10	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	5	U	
8260C	2-BUTANONE	78-93-3	UG_L	25	U	
8260C	2-HEXANONE	591-78-6	UG_L	25	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	25	U	
8260C	ACETONE	67-64-1	UG_L	25	U	
8260C	BENZENE	71-43-2	UG_L	5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	5	U	
8260C	BROMOFORM	75-25-2	UG_L	5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	10	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	10	U	
8260C	CHLOROFORM	67-66-3	UG_L	5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	10	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	10	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	10	U	
8260C	METHYL ACETATE	79-20-9	UG_L	7.5	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	25	U	
8260C	O-XYLENE	95-47-6	UG_L	5	U	
8260C	STYRENE	100-42-5	UG_L	5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	5	U	
8260C	TOLUENE	108-88-3	UG_L	5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	10	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	10	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	15	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK5272		
		Lab Identification		SK5272-4RA		
		Sample Identification		VPB169-FB-061917		
		Sample Date		6/19/2017		
		Sample Type		Field Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK5418		
		Lab Identification		SK5418-1		
		Sample Identification		VPB169-TB-062117		
		Sample Date		6/21/2017		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK5418		
		Lab Identification		SK5418-2DL		
		Sample Identification		VPB169-GW-062117-898-900		
		Sample Date		6/21/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	10	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	10	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	10	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	10	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	10	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	10	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	10	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	15	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	10	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	10	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	10	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	20	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	10	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	10	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	10	U	
8260C	2-BUTANONE	78-93-3	UG_L	50	U	
8260C	2-HEXANONE	591-78-6	UG_L	50	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	50	U	
8260C	ACETONE	67-64-1	UG_L	50	U	
8260C	BENZENE	71-43-2	UG_L	10	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	10	U	
8260C	BROMOFORM	75-25-2	UG_L	10	U	
8260C	BROMOMETHANE	74-83-9	UG_L	20	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	10	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	10	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	10	U	
8260C	CHLOROETHANE	75-00-3	UG_L	20	U	
8260C	CHLOROFORM	67-66-3	UG_L	10	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	20	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	10	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	10	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	10	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	10	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	20	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	10	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	10	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	20	U	
8260C	METHYL ACETATE	79-20-9	UG_L	15	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	10	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	10	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	50	U	
8260C	O-XYLENE	95-47-6	UG_L	10	U	
8260C	STYRENE	100-42-5	UG_L	10	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	10	U	
8260C	TOLUENE	108-88-3	UG_L	10	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	10	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	10	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	10	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	20	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	20	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	30	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK5418		
		Lab Identification	SK5418-3DL		
		Sample Identification	VPB169-GW-062117-918-920		
		Sample Date	6/21/2017		
		Sample Type	Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	10	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	10	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	10	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	10	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	10	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	10	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	10	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	15	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	10	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	10	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	10	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	20	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	10	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	10	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	10	U	
8260C	2-BUTANONE	78-93-3	UG_L	50	U	
8260C	2-HEXANONE	591-78-6	UG_L	50	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	50	U	
8260C	ACETONE	67-64-1	UG_L	50	U	
8260C	BENZENE	71-43-2	UG_L	10	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	10	U	
8260C	BROMOFORM	75-25-2	UG_L	10	U	
8260C	BROMOMETHANE	74-83-9	UG_L	20	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	10	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	10	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	10	U	
8260C	CHLOROETHANE	75-00-3	UG_L	20	U	
8260C	CHLOROFORM	67-66-3	UG_L	10	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	20	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	10	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	10	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	10	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	10	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	20	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	10	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	10	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	20	U	
8260C	METHYL ACETATE	79-20-9	UG_L	15	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	10	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	10	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	50	U	
8260C	O-XYLENE	95-47-6	UG_L	10	U	
8260C	STYRENE	100-42-5	UG_L	10	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	10	U	
8260C	TOLUENE	108-88-3	UG_L	10	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	10	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	10	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	10	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	20	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	20	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	30	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SK5418		
		Lab Identification		SK5418-4DL		
		Sample Identification		VPB169-GW-062217-953-955		
		Sample Date		6/22/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	10	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	10	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	10	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	10	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	10	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	10	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	10	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	15	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	10	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	10	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	10	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	20	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	10	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	10	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	10	U	
8260C	2-BUTANONE	78-93-3	UG_L	50	U	
8260C	2-HEXANONE	591-78-6	UG_L	50	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	50	U	
8260C	ACETONE	67-64-1	UG_L	50	U	
8260C	BENZENE	71-43-2	UG_L	10	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	10	U	
8260C	BROMOFORM	75-25-2	UG_L	10	U	
8260C	BROMOMETHANE	74-83-9	UG_L	20	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	10	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	10	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	10	U	
8260C	CHLOROETHANE	75-00-3	UG_L	20	U	
8260C	CHLOROFORM	67-66-3	UG_L	10	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	20	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	10	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	10	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	10	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	10	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	20	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	10	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	10	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	20	U	
8260C	METHYL ACETATE	79-20-9	UG_L	15	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	10	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	10	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	50	U	
8260C	O-XYLENE	95-47-6	UG_L	10	U	
8260C	STYRENE	100-42-5	UG_L	10	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	10	U	
8260C	TOLUENE	108-88-3	UG_L	10	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	10	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	10	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	10	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	20	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	20	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	30	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group	SK5566		
		Lab Identification	SK5566-1		
		Sample Identification	VPB169-TB-062617		
		Sample Date	6/26/2017		
		Sample Type	Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK5566		
		Lab Identification		SK5566-2DL		
		Sample Identification		VPB169-GW-062717-1028-1030		
		Sample Date		6/27/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3.8	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	5	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	12	U	
8260C	2-HEXANONE	591-78-6	UG_L	12	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	12	U	
8260C	ACETONE	67-64-1	UG_L	14	J	
8260C	BENZENE	71-43-2	UG_L	2.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2.5	U	
8260C	BROMOFORM	75-25-2	UG_L	2.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	5	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	2.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	2.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	5	U	
8260C	CHLOROFORM	67-66-3	UG_L	2.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	5	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	2.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	5	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	2.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	5	U	
8260C	METHYL ACETATE	79-20-9	UG_L	3.8	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	12	U	
8260C	O-XYLENE	95-47-6	UG_L	2.5	U	
8260C	STYRENE	100-42-5	UG_L	2.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.5	U	
8260C	TOLUENE	108-88-3	UG_L	2.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	2.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	5	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	5	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	7.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

		Sample Delivery Group		SK5566		
		Lab Identification		SK5566-3DL		
		Sample Identification		VPB169-GW-062617-1008-1010		
		Sample Date		6/26/2017		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3.8	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	5	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	12	U	
8260C	2-HEXANONE	591-78-6	UG_L	12	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	12	U	
8260C	ACETONE	67-64-1	UG_L	20	J	
8260C	BENZENE	71-43-2	UG_L	2.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2.5	U	
8260C	BROMOFORM	75-25-2	UG_L	2.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	5	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	2.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	2.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	5	U	
8260C	CHLOROFORM	67-66-3	UG_L	2.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	5	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	2.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	5	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	2.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	5	U	
8260C	METHYL ACETATE	79-20-9	UG_L	3.8	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	12	U	
8260C	O-XYLENE	95-47-6	UG_L	2.5	U	
8260C	STYRENE	100-42-5	UG_L	2.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.5	U	
8260C	TOLUENE	108-88-3	UG_L	2.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	2.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	5	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	5	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	7.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment A)
RC = Reason codes (See Attachment B)

Attachment A
Final Qualifier Codes and Explanations

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual quantitation limit necessary to accurately and precisely measure the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

Attachment B
Reason Codes and Explanations

Reason Code	Explanation
be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
bm	Missing Blank Information
bt	Trip blank contamination
c	Calibration issue
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
e	Ether interference
ej	Above calibration range; result estimated.
f	Presumed contamination from FB or ER.
fd	Field duplicate RPDs
h	Holding times
hs	Headspace greater than 6mm in all sample vials
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
it	Instrument Tune
k	Estimated Maximum Possible Concentrations (EMPC)
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs (matrix duplicate, MSD, LCSD)
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Deviation from the method
md	MS/MSD precision
nb	Negative laboratory blank contamination
p	Chemical preservation issue
p-h	Uncertainty near detection limit (< Reporting Limit), historical reason code applied.
pe	Post Extraction Spike
q	Quantitation issue
r	Dual column RPD
rt	SIM ions not within + 2 seconds
s	Surrogate recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
x	Low % solids
y	Serial dilution results
z	ICS results

2017 OU2 GROUNDWATER INVESTIGATION DATA SUMMARY REPORT VPB170

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP)
SITE 1 OU2
BETHPAGE, NY

Prepared for:

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November 2017

TABLE 3
ANALYTICAL DATA SUMMARY
2017 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB170	VPB170	VPB170	VPB170
Sample Date		2/20/2017	2/21/2017	2/23/2017	2/24/2017
Sample ID		VPB170-GW-022017-58-60	VPB170-GW-022117-98-100	VPB170-GW-022317-148-150	VPB170-GW-022417-198-200
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 UJ***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 UJ	<2.5 UJ	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 UJ	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 U	<2.5 U
BENZENE	1	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	**0.61 J**	<0.50 UJ	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 UJ
CHLOROBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 UJ
CHLOROFORM	7	**0.51 J**	**0.50 J**	<0.50 U	**0.45 J**
CHLOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 UJ***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	**0.70 J**	<0.50 UJ	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<0.75 UJ	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 UJ	**0.73 J**	<0.50 U
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 UJ	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
STYRENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
TOLUENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 UJ***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 UJ	<1.5 UJ	<1.5 U	<1.5 U

TABLE 3
ANALYTICAL DATA SUMMARY
2017 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB170	VPB170	VPB170	VPB170
Sample Date		2/24/2017	2/24/2017	2/27/2017	2/27/2017
Sample ID		VPB170-GW-022417-218-220	VPB170-GW-022417-238-240	VPB170-GW-022717-258-260	VPB170-GW-022717-278-280
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	**0.57 J**	**1.8**	**2.8**
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	**0.53 J**	**0.82 J**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	**0.25 J**	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	**2.7 J**	<2.5 U	<2.5 U
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	**0.87 J**	<0.50 U	<0.50 U	**0.32 J**
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	**0.25 J**	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	**2.0**	**2.7**	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	**1.1**
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	**1.2**	**3.0**	**2.3**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 3
ANALYTICAL DATA SUMMARY
2017 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB170	VPB170	VPB170	VPB170
Sample Date		2/27/2017	2/28/2017	2/28/2017	2/28/2017
Sample ID		VPB170-GW-FD-022717	VPB170-GW-022817-298-300	VPB170-GW-022817-318-320	VPB170-GW-022817-338-340
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	**0.93 J**	**0.74 J**	**0.93 J**
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	**2.8**	**4.5**	**4.4**	**8.3**
1,1-DICHLOROETHENE	5	**0.81 J**	**1.3**	**1.5**	**1.9**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	**0.39 J**	**0.23 J**	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	**0.46 J**	**0.36 J**
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	**0.39 J**	**0.23 J**	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 UJ	<0.75 UJ	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 UJ
METHYLENE CHLORIDE	5	<2.5 U	<2.5 UJ	<2.5 UJ	<2.5 UJ
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	**1.2**	**0.57 J**	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**2.4**	**1.5**	**2.8**	**2.2**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 3
ANALYTICAL DATA SUMMARY
2017 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB170	VPB170	VPB170	VPB170
Sample Date		3/1/2017	3/1/2017	3/2/2017	3/2/2017
Sample ID		VPB170-GW-030117-358-360	VPB170-GW-030117-378-380	VPB170-GW-030217-398-400	VPB170-GW-030217-418-420
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	**0.34 J**
1,1,2,2-TETRACHLOROETHANE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2-TRICHLOROETHANE	1	***<2.0 UJ***	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1-DICHLOROETHANE	5	<2.0 UJ	<0.50 UJ	**3.2 J**	**3.1 J**
1,1-DICHLOROETHENE	5	<2.0 UJ	<0.50 UJ	**0.56 J**	**0.60 J**
1,2,4-TRICHLOROBENZENE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<3.0 UJ***	***<0.75 UJ***	***<0.75 UJ***	***<0.75 UJ***
1,2-DIBROMOETHANE	NL	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROBENZENE	3	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROETHANE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	<4.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
1,2-DICHLOROPROPANE	1	***<2.0 UJ***	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,3-DICHLOROBENZENE	3	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,4-DICHLOROBENZENE	3	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
2-BUTANONE	50	<10 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
2-HEXANONE	50	<10 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<10 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
ACETONE	50	<10 UJ	**2.8 J**	<2.5 UJ	<2.5 UJ
BENZENE	1	***<2.0 UJ***	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMODICHLOROMETHANE	50	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOFORM	50	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOMETHANE	5	<4.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CARBON DISULFIDE	60	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROBENZENE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROETHANE	5	<4.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<2.0 UJ	<0.50 UJ	**0.33 J**	<0.50 UJ
CHLOROMETHANE	5	<4.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***<2.0 UJ***	***<0.50 UJ***	***<0.50 UJ***	***<0.50 UJ***
CYCLOHEXANE	NL	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	<4.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
ISOPROPYLBENZENE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
M- AND P-XYLENE	NL	<4.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
METHYL ACETATE	NL	<3.0 UJ	<0.75 UJ	<0.75 UJ	<0.75 UJ
METHYL CYCLOHEXANE	NL	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
METHYLENE CHLORIDE	5	***<10 UJ***	<2.5 UJ	<2.5 UJ	<2.5 UJ
O-XYLENE	NL	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
STYRENE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TETRACHLOROETHENE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<2.0 UJ***	***<0.50 UJ***	***<0.50 UJ***	***<0.50 UJ***
TRICHLOROETHENE	5	<2.0 UJ	<0.50 UJ	**0.42 J**	**0.74 J**
TRICHLOROFLUOROMETHANE	5	<4.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
VINYL CHLORIDE	2	***<4.0 UJ***	<1.0 UJ	<1.0 UJ	<1.0 UJ
XYLENES, TOTAL	5	***<6.0 UJ***	<1.5 UJ	<1.5 UJ	<1.5 UJ

TABLE 3
ANALYTICAL DATA SUMMARY
2017 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB170	VPB170	VPB170	VPB170
Sample Date		3/3/2017	3/3/2017	3/6/2017	3/7/2017
Sample ID		VPB170-GW-030317-438-440	VPB170-GW-030317-458-460	VPB170-GW-030617-483-485	VPB170-GW-030717-503-505
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.69 J**	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	**5.5**	**0.64 J**	**2.2**	**1.2**
1,1-DICHLOROETHENE	5	**0.98 J**	<0.50 U	**0.58 J**	**0.36 J**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	**1.8**	**4.6**	**7.5**
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	**1.4**	**1.1**
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 3
ANALYTICAL DATA SUMMARY
2017 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB170	VPB170	VPB170	VPB170
Sample Date		3/8/2017	3/9/2017	3/9/2017	3/13/2017
Sample ID		VPB170-GW-030817-523-525	VPB170-GW-030917-543-545	VPB170-GW-030917-558-560	VPB170-GW-031317-588-590
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	**0.92 J**	**0.52 J**	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	**0.38 J**	**0.51 J**	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	**3.6**	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	**2.8 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	**0.32 J**	**0.42 J**	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	**2.3**	**0.59 J**	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

TABLE 3
ANALYTICAL DATA SUMMARY
2017 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB170	VPB170	VPB170	VPB170
Sample Date		3/13/2017	3/20/2017	3/20/2017	3/21/2017
Sample ID		VPB170-GW-D-031317	VPB170-GW-032017-598-600	VPB170-GW-032017-618-620	VPB170-GW-032117-638-640
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	***<2.5 U***
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<3.8 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<5.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	***<2.5 U***
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<2.5 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<2.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<12 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<12 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<12 U
ACETONE	50	<2.5 U	**3.3 J**	<2.5 U	**12 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	***<2.5 U***
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<2.5 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<2.5 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<5.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<2.5 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<5.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<2.5 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<5.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<2.5 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<2.5 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<5.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<5.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<3.8 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<2.5 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<2.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	***<12 U***
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<2.5 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<2.5 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<2.5 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<5.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	***<5.0 U***
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	***<7.5 U***

TABLE 3
ANALYTICAL DATA SUMMARY
2017 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB170	VPB170	VPB170	VPB170
Sample Date		3/22/2017	3/23/2017	3/28/2017	3/29/2017
Sample ID		VPB170-032217-663-665	VPB170-032317-698-700	VPB170-GW-032817-778-780	VPB170-GW-0329-798-800
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	***<20 U***	***<2.0 U***	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<30 U***	***<3.0 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<20 U	<2.0 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	***<20 U***	<2.0 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	***<40 U***	<4.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	***<20 U***	***<2.0 U***	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	***<20 U***	<2.0 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	***<20 U***	<2.0 U	<0.50 U
2-BUTANONE	50	<2.5 U	***<100 U***	<10 U	<2.5 U
2-HEXANONE	50	<2.5 U	***<100 U***	<10 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<100 U	<10 U	<2.5 U
ACETONE	50	**3.9 J**	***<100 U***	**12 J**	**3.3 J**
BENZENE	1	<0.50 U	***<20 U***	***<2.0 U***	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<20 U	<2.0 U	<0.50 U
BROMOFORM	50	<0.50 U	<20 U	<2.0 U	<0.50 U
BROMOMETHANE	5	<1.0 U	***<40 U***	<4.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<20 U	<2.0 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
CHLOROETHANE	5	<1.0 U	***<40 U***	<4.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	***<20 U***	<2.0 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	***<40 U***	<4.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<20 U***	***<2.0 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<20 U	<2.0 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	***<40 U***	<4.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<40 U	<4.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<30 U	<3.0 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<20 U	<2.0 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	***<20 U***	<2.0 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	***<100 U***	***<10 U***	<2.5 U
O-XYLENE	NL	<0.50 U	<20 U	<2.0 U	<0.50 U
STYRENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
TOLUENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<20 U***	***<2.0 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	***<20 U***	<2.0 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	***<40 U***	<4.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	***<40 U***	***<4.0 U***	<1.0 U
XYLENES, TOTAL	5	<1.5 U	***<60 U***	***<6.0 U***	<1.5 U

TABLE 3
ANALYTICAL DATA SUMMARY
2017 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

Notes:

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series (6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)
Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

Bold = Detected; ***Bold and Italics*** =Not detected exceeds NYS Groundwater Standards or guidance value
Yellow highlighted values exceed Groundwater Standards or guidance value

Sample type codes: N - normal environmental sample, FD - field duplicate

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

2016 OU2 GROUNDWATER INVESTIGATION DATA SUMMARY REPORT VPB171

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP)
SITE 1 OU2
BETHPAGE, NY

Prepared for:

Department of the Navy
Naval Facilities Engineering Command, Atlantic
9324 Virginia Avenue
Building Z-144
Norfolk, Virginia 23511

November 2017

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB171	VPB171	VPB171	VPB171
Sample Date		10/31/2016	10/31/2016	11/2/2016	11/2/2016
Sample ID		VPB171-GW-103116-58-60	VPB171-GW-103116-98-100	VPB171-GW-110216-148-150	VPB171-GW-110216-218-220
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 UJ***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	**2.9 J**	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 UJ	<2.5 UJ	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 UJ	<2.5 UJ
ACETONE	50	**15 J**	**3.1 J**	**6.8 J**	**5.4 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	**0.34 J**	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	**1.6**	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	**0.96 J**
TOLUENE	5	**0.72 J**	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	**5.6**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB171	VPB171	VPB171	VPB171
Sample Date		11/3/2016	11/3/2016	11/4/2016	11/4/2016
Sample ID		VPB171-GW-110316-243-245	VPB171-GW-110316-258-260	VPB171-GW-110416-278-280	VPB171-GW-110416-298-300
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**2.4 J**	<0.50 UJ	<2.0 UJ	**1.8**
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 UJ	***<2.0 UJ***	<0.50 U
1,1-DICHLOROETHANE	5	**0.28 J**	<0.50 UJ	<2.0 UJ	<0.50 U
1,1-DICHLOROETHENE	5	**1.1 J**	<0.50 UJ	<2.0 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 UJ***	***<3.0 UJ***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**1.0 J**	<1.0 UJ	<4.0 UJ	**0.36 J**
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 UJ	***<2.0 UJ***	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
2-BUTANONE	50	<2.5 UJ	<2.5 UJ	<10 UJ	<2.5 U
2-HEXANONE	50	<2.5 UJ	<2.5 UJ	<10 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 UJ	<10 UJ	<2.5 U
ACETONE	50	**6.2 J**	**6.7 J**	**10 J**	<2.5 UJ
BENZENE	1	<0.50 UJ	<0.50 UJ	***<2.0 UJ***	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
BROMOFORM	50	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<1.0 UJ	<4.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<2.0 UJ	**0.54 J**
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<4.0 UJ	<1.0 UJ
CHLOROFORM	7	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<1.0 UJ	<4.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	**1.0 J**	<0.50 UJ	<2.0 UJ	**0.36 J**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 UJ***	***<2.0 UJ***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<4.0 UJ	**0.42 J**
ETHYLBENZENE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 UJ	<4.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<0.75 UJ	<3.0 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 UJ	***<10 UJ***	<2.5 U
O-XYLENE	NL	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
STYRENE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
TETRACHLOROETHENE	5	**4.5 J**	<0.50 UJ	<2.0 UJ	<0.50 U
TOLUENE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<2.0 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 UJ***	***<2.0 UJ***	***<0.50 U***
TRICHLOROETHENE	5	**79 J**	**0.94 J**	<2.0 UJ	**23**
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<4.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<1.0 UJ	***<4.0 UJ***	<1.0 U
XYLENES, TOTAL	5	<1.5 UJ	<1.5 UJ	***<6.0 UJ***	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB171	VPB171	VPB171	VPB171
Sample Date		11/4/2016	11/4/2016	11/7/2016	11/7/2016
Sample ID		VPB171-GWD-110416	VPB171-GW-110416-323-325	VPB171-GW-110716-338-340	VPB171-GW-110716-358-360
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**2.3 J**	**1.9 J**	**8.5 J**	**7.8 J**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	**0.46 J**	<1.0 UJ	**1.1 J**	**1.1 J**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<1.5 UJ***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**0.40 J**	<2.0 UJ	**2.4 J**	**2.0 J**
1,2-DICHLOROPROPANE	1	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<5.0 UJ	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<5.0 UJ	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<5.0 UJ	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	**12 J**	**6.3 J**	**4.6 J**
BENZENE	1	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<2.0 UJ	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	**0.51 J**	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<2.0 UJ	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<1.0 UJ	**0.38 J**	**0.41 J**
CHLOROMETHANE	5	<1.0 U	**1.2 J**	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**0.40 J**	<1.0 UJ	**2.4 J**	**2.0 J**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<1.0 UJ***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	**0.85 J**	<2.0 UJ	**1.0 J**	**0.97 J**
ETHYLBENZENE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<2.0 UJ	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<1.5 UJ	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<5.0 UJ	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<1.0 UJ	**4.9 J**	**3.6 J**
TOLUENE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<1.0 UJ	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<1.0 UJ***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**29 J**	**24 J**	**220 J**	**180 J**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<2.0 UJ	**0.29 J**	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<2.0 UJ	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<3.0 UJ	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB171	VPB171	VPB171	VPB171
Sample Date		11/8/2016	11/8/2016	11/9/2016	11/9/2016
Sample ID		VPB171-GW-110816-383-385	VPB171-GW-110816-418-420	VPB171-GW-110916-438-440	VPB171-GW-110916-458-460
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**6.2**	<0.50 U	<0.50 U	**3.1**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**0.85 J**	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**4.7 J**	**4.1 J**	**4.1 J**	**5.7**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	**1.1 J**	**1.2 J**	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	**0.85 J**	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	**1.0 J**	<1.0 U	<1.0 U	**1.7 J**
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	**1.3**	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**63**	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB171	VPB171	VPB171	VPB171
Sample Date		11/9/2016	11/10/2016	11/10/2016	11/10/2016
Sample ID		VPB171-GW-110916-478-480	VPB171-GW-111016-498-500	VPB171-GW-111016-518-520	VPB171-GW-111016-538-540
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**6.8**	**3.0 J**	**8.3**	**2.4 J**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	**0.44 J**	<0.50 UJ
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	**0.89 J**	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 UJ***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	**1.4 J**	**0.50 J**	**3.0**	<1.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
ACETONE	50	<2.5 U	**3.8 J**	**3.0 J**	**19 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CHLOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	**1.4**	**0.50 J**	**2.5**	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 UJ***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	**0.55 J**	<1.0 U	**1.2 J**	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TETRACHLOROETHENE	5	**6.7**	**5.6 J**	**1.1**	<0.50 UJ
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	**0.51 J**	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 UJ***
TRICHLOROETHENE	5	**160**	**89 J**	**92**	**18 J**
TRICHLOROFLUOROMETHANE	5	**0.27 J**	<1.0 U	<1.0 U	<1.0 UJ
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB171	VPB171	VPB171	VPB171
Sample Date		11/11/2016	11/11/2016	11/14/2016	11/14/2016
Sample ID		VPB171-GW-111116-558-560	VPB171-GW-111116-583-585	VPB171-GW-111416-598-600	VPB171-GW-111416-618-620
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	**0.25 J**	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**2.1**	**6.9**	**6.6**	**16**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	**0.24 J**	**0.45 J**
1,1-DICHLOROETHENE	5	<0.50 U	**0.87 J**	**0.60 J**	**1.9**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**0.70 J**	**1.9 J**	**1.8 J**	**1.9 J**
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**5.3 J**	**3.3 J**	**5.4 J**	**4.1 J**
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	**0.56 J**	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<0.50 U	**0.35 J**	**0.44 J**	**1.0**
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**0.70 J**	**1.9**	**1.8**	**1.9**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	**0.61 J**	<1.0 U	**2.3**
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	**6.6**	**3.8**	**1.7**	**0.69 J**
TOLUENE	5	<0.50 U	**1.6**	**2.5**	**30**
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**100**	**230**	**240**	**180 J**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB171	VPB171	VPB171	VPB171
Sample Date		11/15/2016	11/15/2016	11/16/2016	11/16/2016
Sample ID		VPB171-GW-111516-638-640	VPB171-GW-111516-658-660	VPB171-GW-111616-678-680	VPB171-GW-111616-698-700
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.80 UJ	**0.85 J**
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**4.7 J**	**9.3**	<0.80 UJ	**63**
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	**0.57 J**	<0.80 UJ	**2.4**
1,1-DICHLOROETHANE	5	<0.50 UJ	**0.34 J**	<0.80 UJ	**1.8**
1,1-DICHLOROETHENE	5	**0.69 J**	**2.4**	<0.80 UJ	**12**
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 U***	***<1.2 UJ***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.80 UJ	**0.54 J**
1,2-DICHLOROETHENE, TOTAL	5	**0.97 J**	**2.2**	<1.6 UJ	**6.7**
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
2-BUTANONE	50	<2.5 UJ	<2.5 U	<4.0 UJ	<2.5 U
2-HEXANONE	50	<2.5 UJ	<2.5 U	<4.0 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 U	<4.0 UJ	<2.5 U
ACETONE	50	**9.1 J**	<2.5 U	**12 J**	**2.6 J**
BENZENE	1	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
BROMOFORM	50	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<1.0 U	<1.6 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.80 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 UJ	**2.6**	<0.80 UJ	**5.4**
CHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 U	<1.6 UJ	<1.0 U
CHLOROFORM	7	**0.38 J**	**2.8**	<0.80 UJ	**4.2**
CHLOROMETHANE	5	<1.0 UJ	<1.0 U	<1.6 UJ	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**0.97 J**	**2.2**	<0.80 UJ	**6.7**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<0.80 UJ***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	**0.89 J**	<1.6 UJ	**0.46 J**
ETHYLBENZENE	5	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 U	<1.6 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<0.75 U	<1.2 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 U	<4.0 UJ	<2.5 U
O-XYLENE	NL	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
STYRENE	5	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
TETRACHLOROETHENE	5	**0.62 J**	<0.50 U	<0.80 UJ	**3.2**
TOLUENE	5	<0.50 UJ	<0.50 U	**18 J**	**46**
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.80 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<0.80 UJ***	***<0.50 U***
TRICHLOROETHENE	5	**120 J**	**200**	**13 J**	**3600**
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.6 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<1.0 U	<1.6 UJ	<1.0 U
XYLENES, TOTAL	5	<1.5 UJ	<1.5 U	<2.4 UJ	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB171	VPB171	VPB171
Sample Date		11/16/2016	11/17/2016	11/17/2016
Sample ID		VPB171-GWD-111616	VPB171-GW-111716-718-720	VPB171-GW-111716-738-740
Sample type code		FD	N	N
VOC 8260C (ug/L)				
1,1,1-TRICHLOROETHANE	5	**0.90 J**	<0.66 UJ	<0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.66 UJ	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**66**	<0.66 UJ	**9.2 J**
1,1,2-TRICHLOROETHANE	1	**2.4**	<0.66 UJ	**0.43 J**
1,1-DICHLOROETHANE	5	**2.0**	<0.66 UJ	**0.49 J**
1,1-DICHLOROETHENE	5	**12**	<0.66 UJ	**1.4 J**
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.66 UJ	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<1.0 UJ***	***<0.75 UJ***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.66 UJ	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.66 UJ	<0.50 UJ
1,2-DICHLOROETHANE	5	**0.55 J**	<0.66 UJ	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	**7.1**	<1.3 UJ	**1.1 J**
1,2-DICHLOROPROPANE	1	<0.50 U	<0.66 UJ	<0.50 UJ
1,3-DICHLOROBENZENE	3	<0.50 U	<0.66 UJ	<0.50 UJ
1,4-DICHLOROBENZENE	3	<0.50 U	<0.66 UJ	<0.50 UJ
2-BUTANONE	50	<2.5 U	**3.2 J**	**1.4 J**
2-HEXANONE	50	<2.5 U	<3.3 UJ	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 U	<3.3 UJ	<2.5 UJ
ACETONE	50	**2.5 J**	**18 J**	**7.1 J**
BENZENE	1	<0.50 U	<0.66 UJ	<0.50 UJ
BROMODICHLOROMETHANE	50	<0.50 U	<0.66 UJ	<0.50 UJ
BROMOFORM	50	<0.50 U	<0.66 UJ	<0.50 UJ
BROMOMETHANE	5	<1.0 U	<1.3 UJ	<1.0 UJ
CARBON DISULFIDE	60	<0.50 UJ	<0.66 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	**5.7**	<0.66 UJ	<0.50 UJ
CHLOROBENZENE	5	<0.50 U	<0.66 UJ	<0.50 UJ
CHLOROETHANE	5	<1.0 U	<1.3 UJ	<1.0 UJ
CHLOROFORM	7	**4.4**	<0.66 UJ	**0.62 J**
CHLOROMETHANE	5	<1.0 U	<1.3 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	**7.1**	<0.66 UJ	**1.1 J**
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.66 UJ***	***<0.50 UJ***
CYCLOHEXANE	NL	<0.50 U	<0.66 UJ	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.66 UJ	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	**0.60 J**	<1.3 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.66 UJ	<0.50 UJ
ISOPROPYLBENZENE	5	<0.50 U	<0.66 UJ	<0.50 UJ
M- AND P-XYLENE	NL	<1.0 U	<1.3 UJ	<1.0 UJ
METHYL ACETATE	NL	<0.75 U	<1.0 UJ	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<0.66 UJ	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.66 UJ	<0.50 UJ
METHYLENE CHLORIDE	5	<2.5 U	<3.3 UJ	<2.5 UJ
O-XYLENE	NL	<0.50 U	<0.66 UJ	<0.50 UJ
STYRENE	5	<0.50 U	<0.66 UJ	<0.50 UJ
TETRACHLOROETHENE	5	**3.5**	<0.66 UJ	**1.9 J**
TOLUENE	5	**47**	<0.66 UJ	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.66 UJ	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.66 UJ***	***<0.50 UJ***
TRICHLOROETHENE	5	**3500**	**5.3 J**	**460 J**
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.3 UJ	<1.0 UJ
VINYL CHLORIDE	2	<1.0 U	<1.3 UJ	<1.0 UJ
XYLENES, TOTAL	5	<1.5 U	<2.0 UJ	<1.5 UJ

Notes:

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series (6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)
Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

Bold = Detected; ***Bold and Italics*** =Not detected exceeds NYS Groundwater Standards or guidance value
Yellow highlighted values exceed Groundwater Standards or guidance value

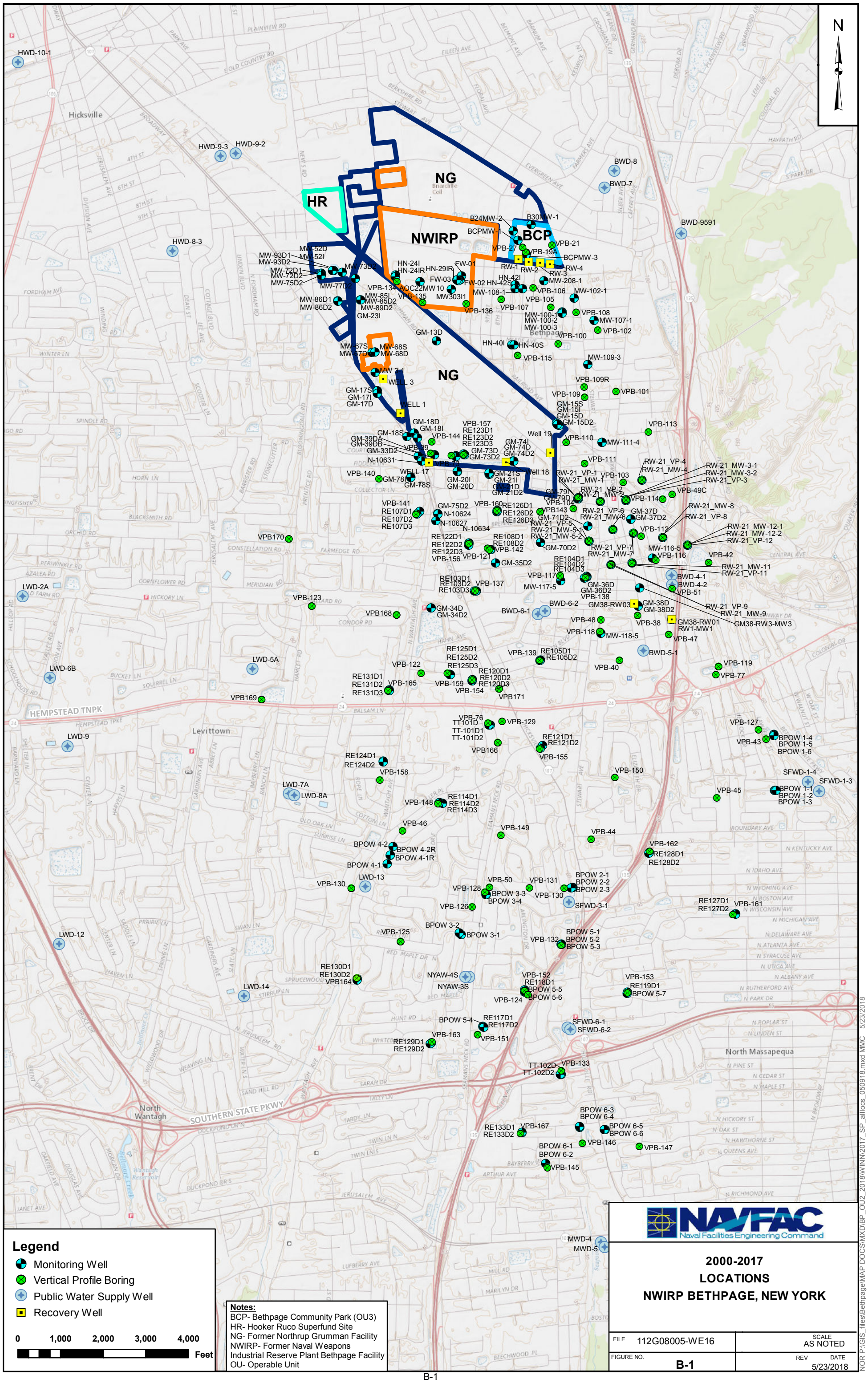
Sample type codes: N - normal environmental sample, FD - field duplicate

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

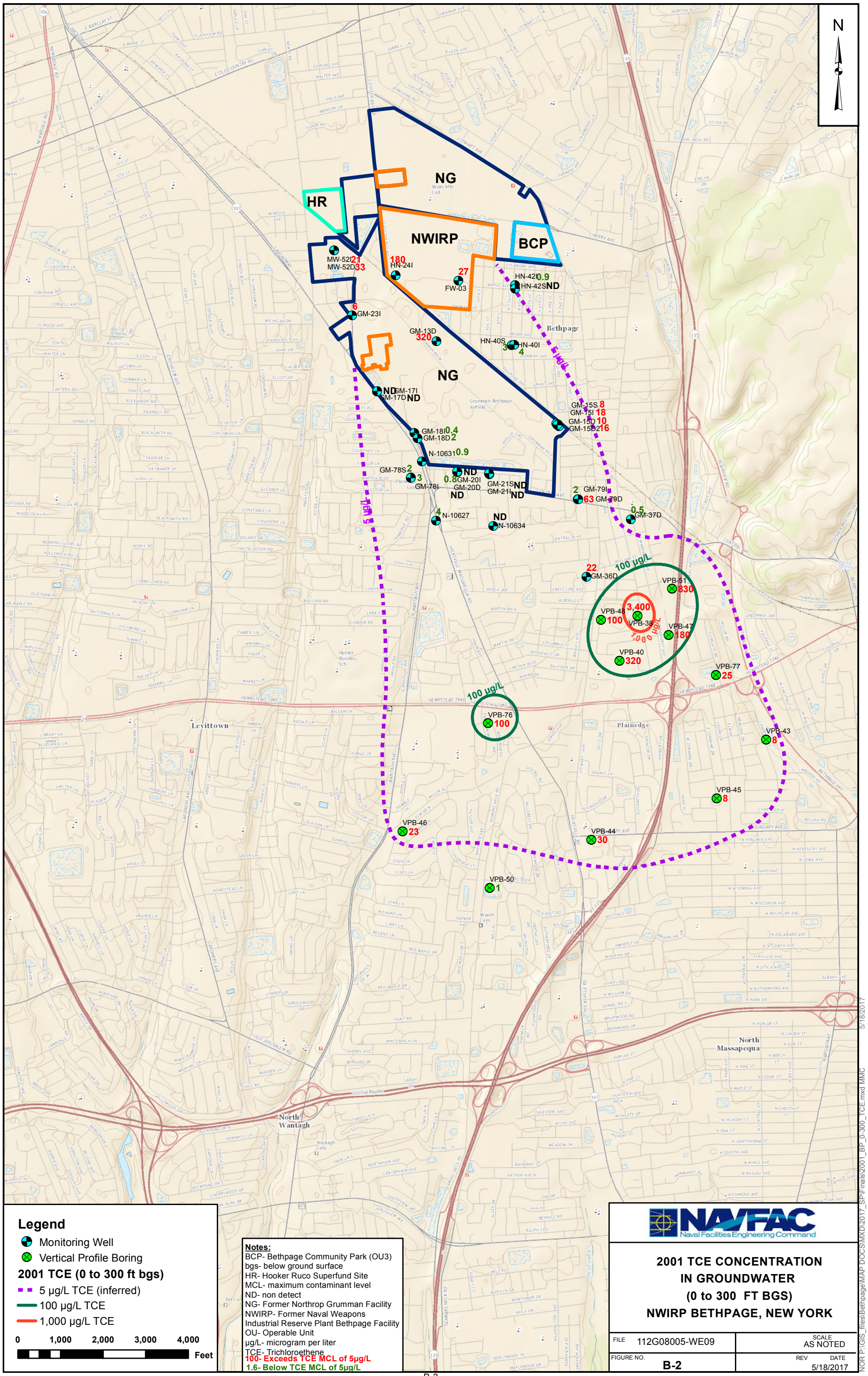
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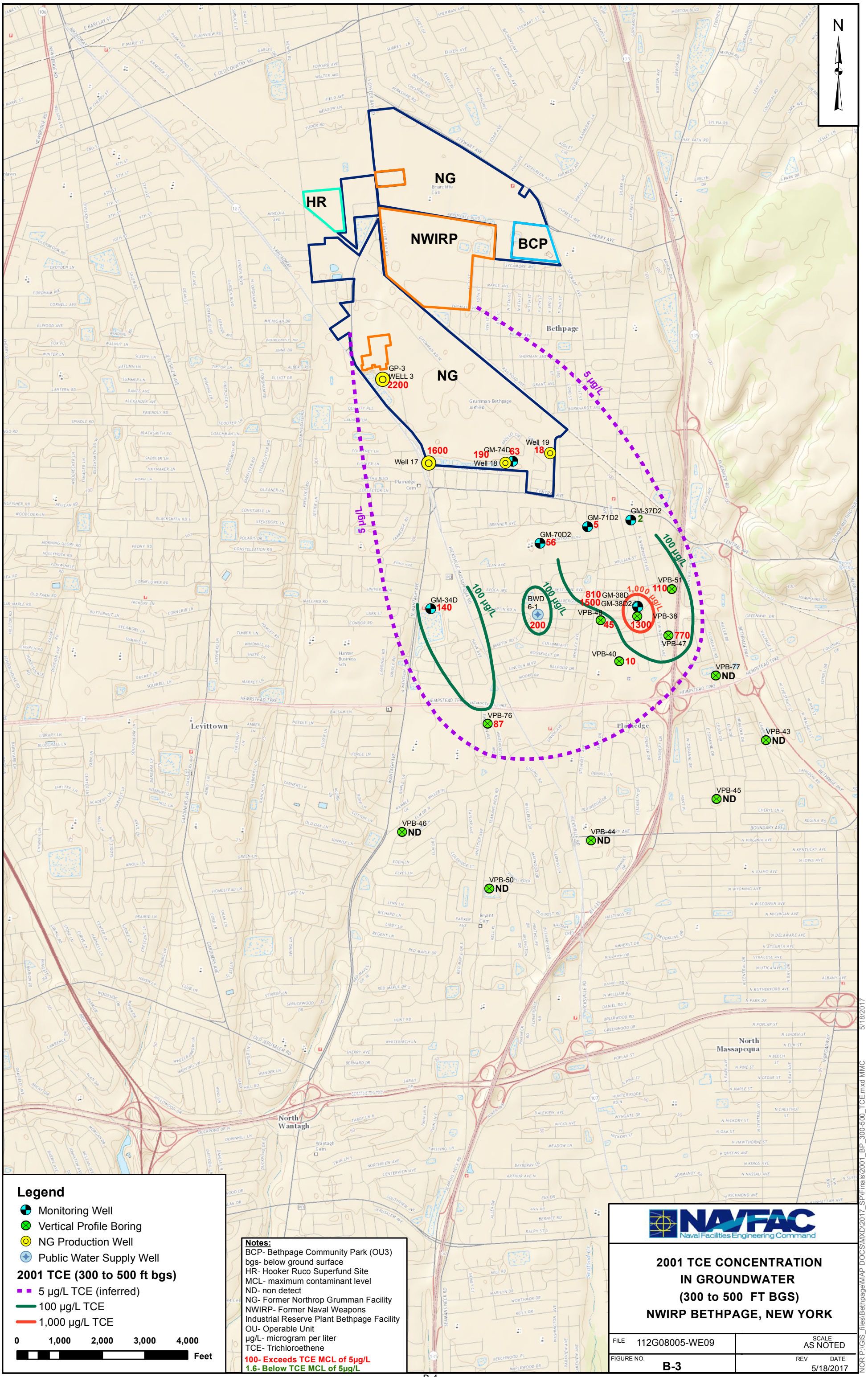
APPENDIX B
CHEMICAL RESULTS MAPS FOR 2001-2017

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N
HR
NG
NWIRP
BCP
NG
HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
BWD-8
BWD-7
BWD-9591
B24MW-2
B30MW-1
BCPMW-1
VPB-27
VPB-21
VPB-19A
BCPMW-3
RW-1
RW-2
RW-3
RW-4
MW-52D
MW-52I
MW-93D1
MW-93D2
MW-72D1
MW-72D2
MW-75D2
MW-73D2
MW-77D2
HN-24I
HN-24IR
HN-29IR
FW-01
FW-03
FW-02
HN-42I
HN-42S
MW-208-1
VPB-134
AOC22MW10
VPB-135
MW303I1
MW-108-1
VPB-106
MW-102-1
VPB-105
VPB-107
VPB-136
MW-86D1
MW-86D2
MW-85I
MW-85D2
MW-89D2
GM-23I
VPB-108
MW-100-1
MW-100-2
MW-100-3
MW-107-1
VPB-102
GM-13D
VPB-100
HN-40I
HN-40S
VPB-115
MW-109-3
MW-67S
MW-67D
MW-68S
MW-68D
MW-3-1
WELL 3
VPB-109R
VPB-101
VPB-109
GM-17S
GM-17I
GM-17D
WELL 1
GM-15S
GM-15I
GM-15D
GM-15D2
GM-18D
GM-18I
GM-18S
VPB-144
VPB-157
RE123D1
RE123D2
RE123D3
Well 19
VPB-110
MW-111-4
VPB-113
GM-39DA
GM-39DB
GM-33D2
N-10631
VPB-139
GM-73D
GM-73D2
GM-74I
GM-74D
GM-74D2
VPB-111
VPB-140
WELL 17
GM-78I
GM-78S
GM-20I
GM-20D
GM-21S
GM-21I
GM-21D
GM-21D2
Well 18
RW-21_VP-1
RW-21_MW-1
VPB-103
RW-21_VP-4
RW-21_MW-4
RW-21_MW-3-1
RW-21_MW-3-2
RW-21_VP-3
VPB-49C
GM-79I
GM-79D
VPB-104
RW-21_VP-2
RW-21_MW-2
VPB-114
VPB-141
RE107D1
RE107D2
RE107D3
GM-75D2
N-10624
N-10627
N-10634
VPB-160
RE126D1
RE126D2
RE126D3
VPB143
GM-71D2
RW-21_VP-6
RW-21_MW-6
GM-37D
GM-37D2
RW-21_MW-8
RW-21_VP-8
RW-21_VP-5
RW-21_MW-5-1
RW-21_MW-5-2
VPB-112
RW-21_MW-12-1
RW-21_MW-12-2
RW-21_VP-12
VPB170
RE122D1
RE122D2
RE122D3
VPB-156
VPB-121
RE108D1
RE108D2
VPB-142
GM-70D2
RW-21_VP-7
RW-21_MW-7
MW-116-5
VPB-116
VPB-42
GM-35D2
RE104D1
RE104D2
RE104D3
RW-21_MW-11
RW-21_VP-11
VPB-117
BWD-4-1
BWD-4-2
VPB-51
LWD-2A
VPB-123
RE103D1
RE103D2
RE103D3
VPB-137
MW-117-5
GM-36D
GM-36D2
VPB-138
VPB168
GM-34D
GM-34D2
BWD-6-2
GM38-RW03
GM-38D
GM-38D2
RW-21_VP-9
RW-21_MW-9
GM38-RW3-MW3
BWD-6-1
VPB-48
VPB-38
GM38-RW01
RW1-MW1
VPB-118
MW-118-5
VPB-47
LWD-5A
LWD-6B
RE125D1
RE125D2
RE125D3
VPB-139
RE105D1
RE105D2
BWD-5-1
VPB-40
VPB-119
VPB-77
VPB-122
RE131D1
RE131D2
RE131D3
VPB-165
VPB-159
RE120D1
RE120D2
RE120D3
VPB-154
VPB171
VPB169
HEMPSTEAD TNPK
Levittown
VPB-76
TT101D
TT-101D1
TT-101D2
VPB-129
RE121D1
RE121D2
VPB166
VPB-155
VPB-127
VPB-43
BPOW 1-4
BPOW 1-5
BPOW 1-6
LWD-9
RE124D1
RE124D2
VPB-158
VPB-150
SFWD-1-4
SFWD-1-3
LWD-7A
LWD-8A
VPB-45
BPOW 1-1
BPOW 1-2
BPOW 1-3
RE114D1
RE114D2
RE114D3
VPB-148
VPB-46
VPB-149
VPB-44
BPOW 4-2
BPOW 4-2R
BPOW 4-1R
BPOW 4-1
VPB-162
RE128D1
RE128D2
LWD-13
VPB-130
VPB-50
VPB-131
BPOW 2-1
BPOW 2-2
BPOW 2-3
VPB-128
BPOW 3-3
BPOW 3-4
VPB-130
SFWD-3-1
VPB-126
RE127D1
RE127D2
VPB-161
LWD-12
BPOW 3-2
BPOW 3-1
VPB-125
VPB-132
BPOW 5-1
BPOW 5-2
BPOW 5-3
RE130D1
RE130D2
VPB164
LWD-14
NYAW-4S
NYAW-3S
VPB-152
RE118D1
BPOW 5-5
BPOW 5-6
VPB-124
VPB-153
RE119D1
BPOW 5-7
BPOW 5-4
RE117D1
RE117D2
VPB-151
SFWD-6-1
SFWD-6-2
VPB-163
RE129D1
RE129D2
North Massapequa
TT-102D
TT-102D2
VPB-133
North Wantagh
SOUTHERN STATE PKWY
BPOW 6-3
BPOW 6-4
BPOW 6-5
BPOW 6-6
RE133D1
RE133D2
VPB-167
VPB-146
VPB-147
BPOW 6-1
BPOW 6-2
VPB-145
MWD-4
MWD-5
Legend
Monitoring Well
Vertical Profile Boring
Public Water Supply Well
Recovery Well
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
HR- Hooker Ruco Superfund Site
NG- Former Northrup Grumman Facility
NWIRP- Former Naval Weapons
Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
NAVFAC
Naval Facilities Engineering Command
2000-2017
LOCATIONS
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE16
SCALE AS NOTED
FIGURE NO. B-1
REV
DATE 5/23/2018
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N
NG
HR
NWIRP
BCP
NG
MW-52I 21
MW-52D 33
180
HN-24I
27
FW-03
HN-42I 0.9
HN-42S ND
6
GM-23I
GM-13D
320
HN-40S
3
HN-40I
4
Bethpage
ND
GM-17I
GM-17D ND
GM-15S 8
GM-15I 18
GM-15D 10
GM-15D2 16
GM-18I 0.4
GM-18D 2
N-10631 0.9
GM-78S 2
3
GM-78I
0.8
GM-20I
GM-20D
ND
GM-21S ND
GM-21I ND
2
GM-79I
63
GM-79D
0.5
GM-37D
4
N-10627
ND
N-10634
5 µg/L
22
GM-36D
100 µg/L
VPB-51
830
VPB-48
100
3,400
VPB-38
1000 µg/L
VPB-47
180
VPB-40
320
VPB-77
25
100 µg/L
VPB-76
100
Levittown
Plainedge
VPB-43
8
VPB-45
8
VPB-46
23
VPB-44
30
VPB-50
1
North
Massapequa
North
Wantagh
Legend
Monitoring Well
Vertical Profile Boring
2001 TCE (0 to 300 ft bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2001 TCE CONCENTRATION
IN GROUNDWATER
(0 to 300 FT BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-2
REV
DATE 5/18/2017
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Legend

- Monitoring Well
- Vertical Profile Boring
- NG Production Well
- Public Water Supply Well

2001 TCE (300 to 500 ft bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

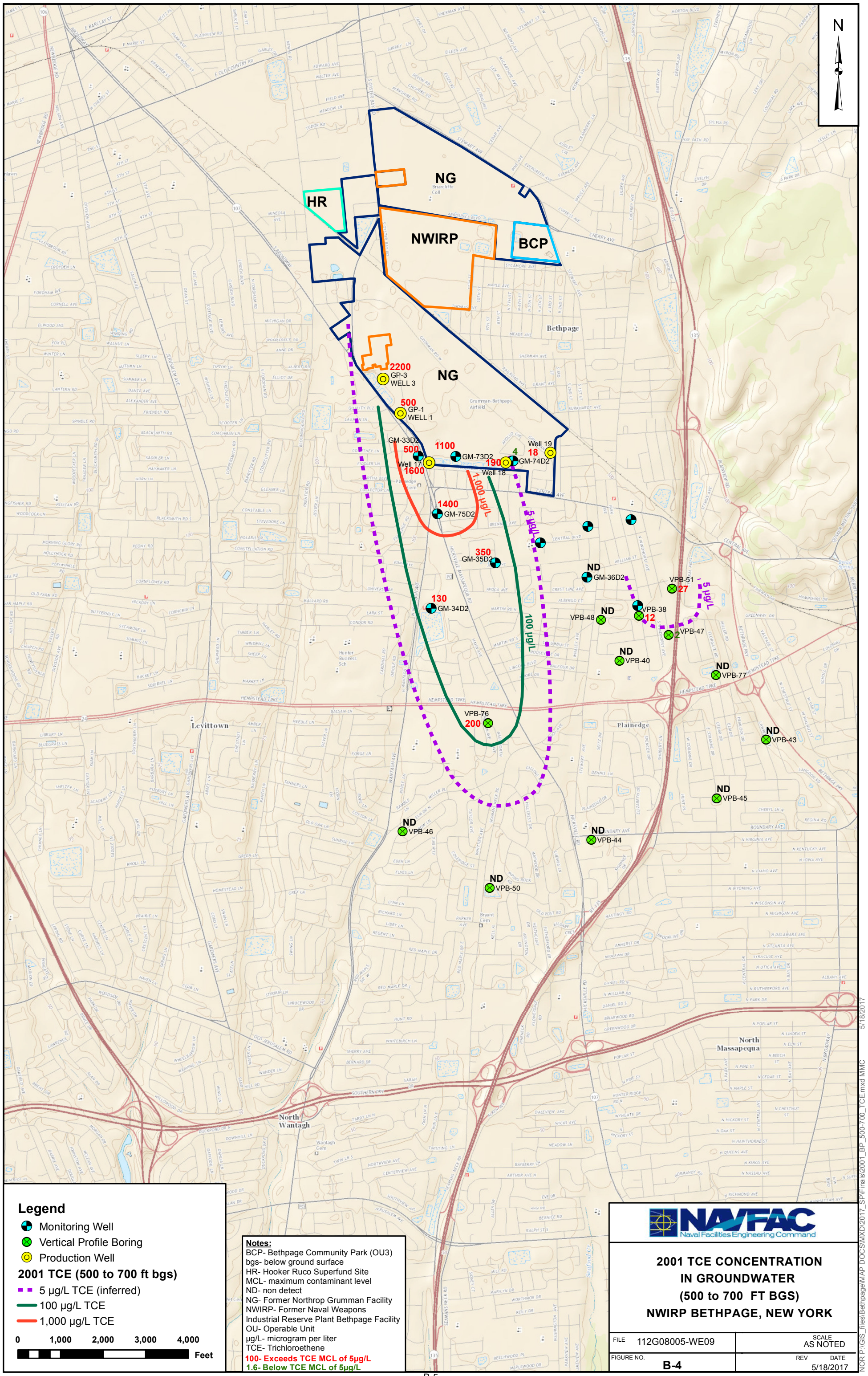
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene

100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC Naval Facilities Engineering Command

2001 TCE CONCENTRATION IN GROUNDWATER (300 to 500 FT BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE09	SCALE	AS NOTED
FIGURE NO.	B-3	REV	DATE 5/18/2017


N
NG
HR
NWIRP
BCP
NG
2200
GP-3
WELL 3
500
GP-1
WELL 1
GM-33D2
500
Well 17
1600
1100
GM-73D2
4
Well 19
18
190
GM-74D2
Well 18
1400
GM-75D2
1,000 µg/L
5 µg/L
350
GM-35D2
130
GM-34D2
100 µg/L
ND
GM-36D2
VPB-51
27
VPB-38
12
ND
VPB-48
VPB-47
2
ND
VPB-40
ND
VPB-77
VPB-76
200
ND
VPB-43
ND
VPB-45
ND
VPB-46
ND
VPB-44
ND
VPB-50
Bethpage
Levittown
Plainedge
North Massapequa
North Wantagh
Grumman-Bethpage Airfield
Hunter Business Sch
Bryant Cem
Wantagh Cem
Legend
Monitoring Well
Vertical Profile Boring
Production Well
2001 TCE (500 to 700 ft bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0 1,000 2,000 3,000 4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2001 TCE CONCENTRATION
IN GROUNDWATER
(500 to 700 FT BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-4
REV
DATE 5/18/2017
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N

NG
Briarcliffe Coll

HR

NWIRP

BCP

NG

Bethpage

Grumman-Bethpage Airfield

Plainedge Cem

Hunter Business Sch

Levittown

Plainedge

Bryant Cem

North Wantagh

Wantagh Cem

North Massapequa

BWD 6-2
<0.5

VPB-51
ND

VPB-48
ND

VPB-47
ND

VPB-40
ND

VPB-77
ND

VPB-76
120

VPB-43
2

VPB-45
ND

VPB-46
ND

VPB-44
ND

VPB-50
ND

100 µg/L

5 µg/L

Legend

- Vertical Profile Boring
- Public Water Supply Well

2001 TCE (Greater than 700 ft bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene

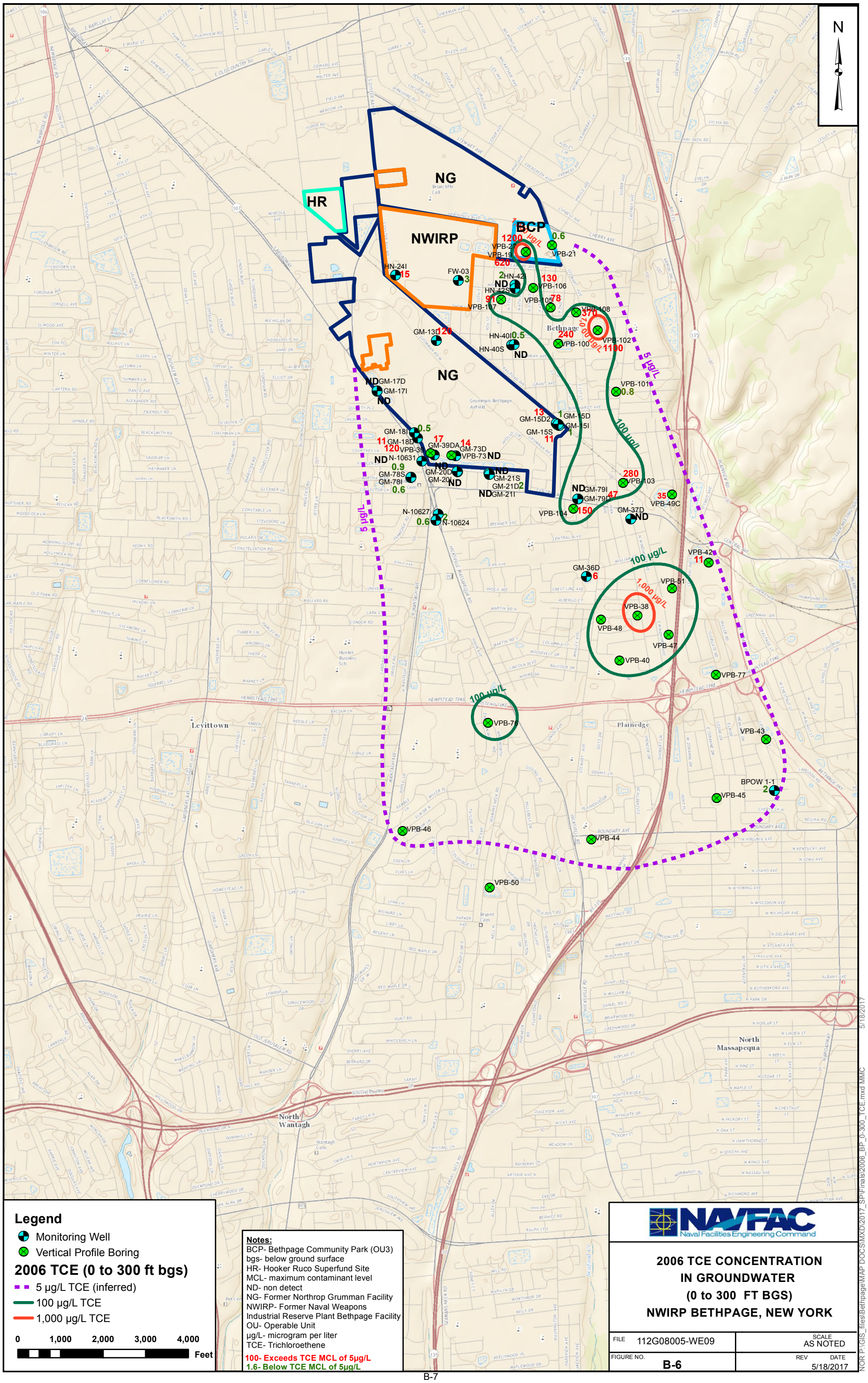
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

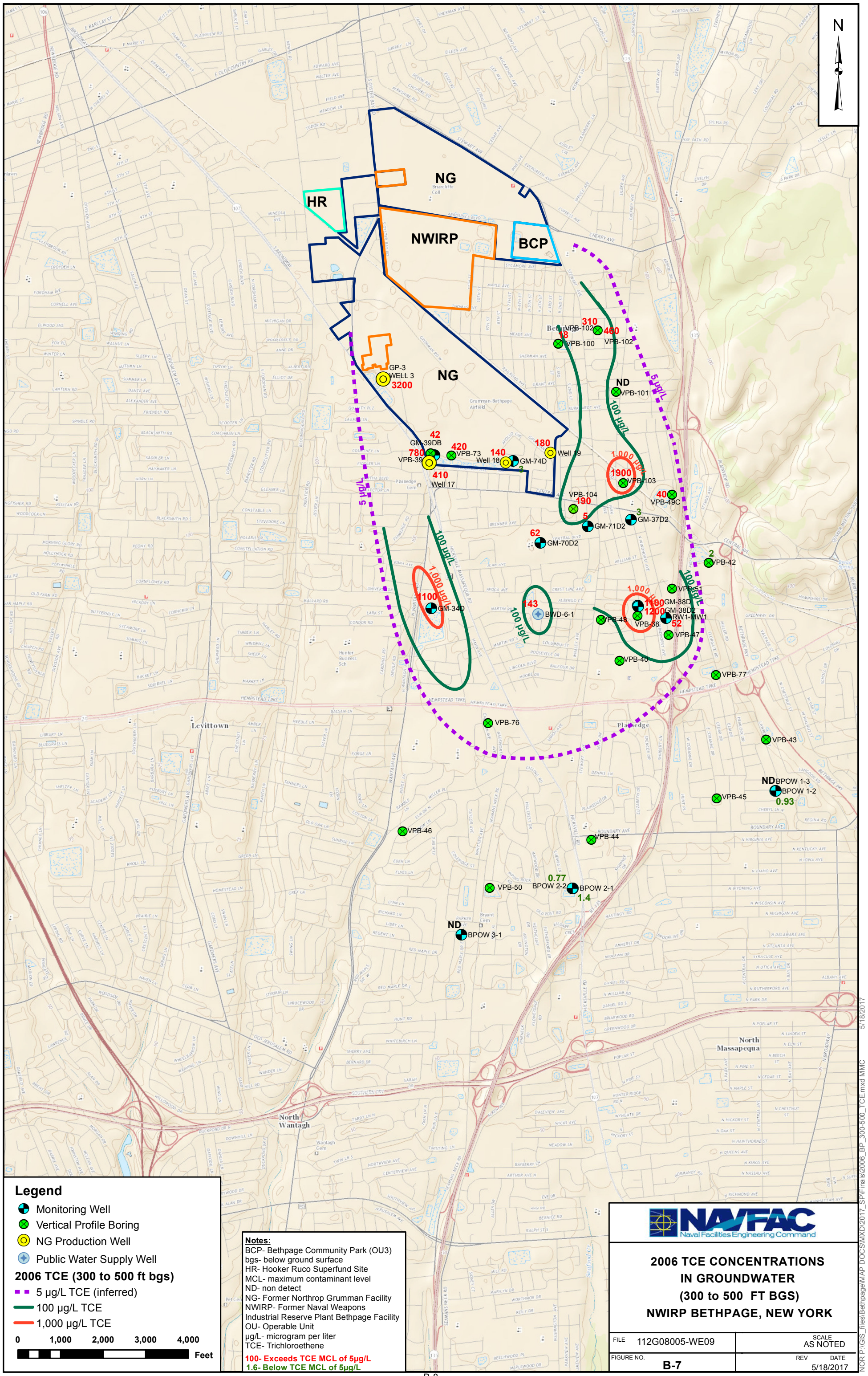
NAVFAC
Naval Facilities Engineering Command

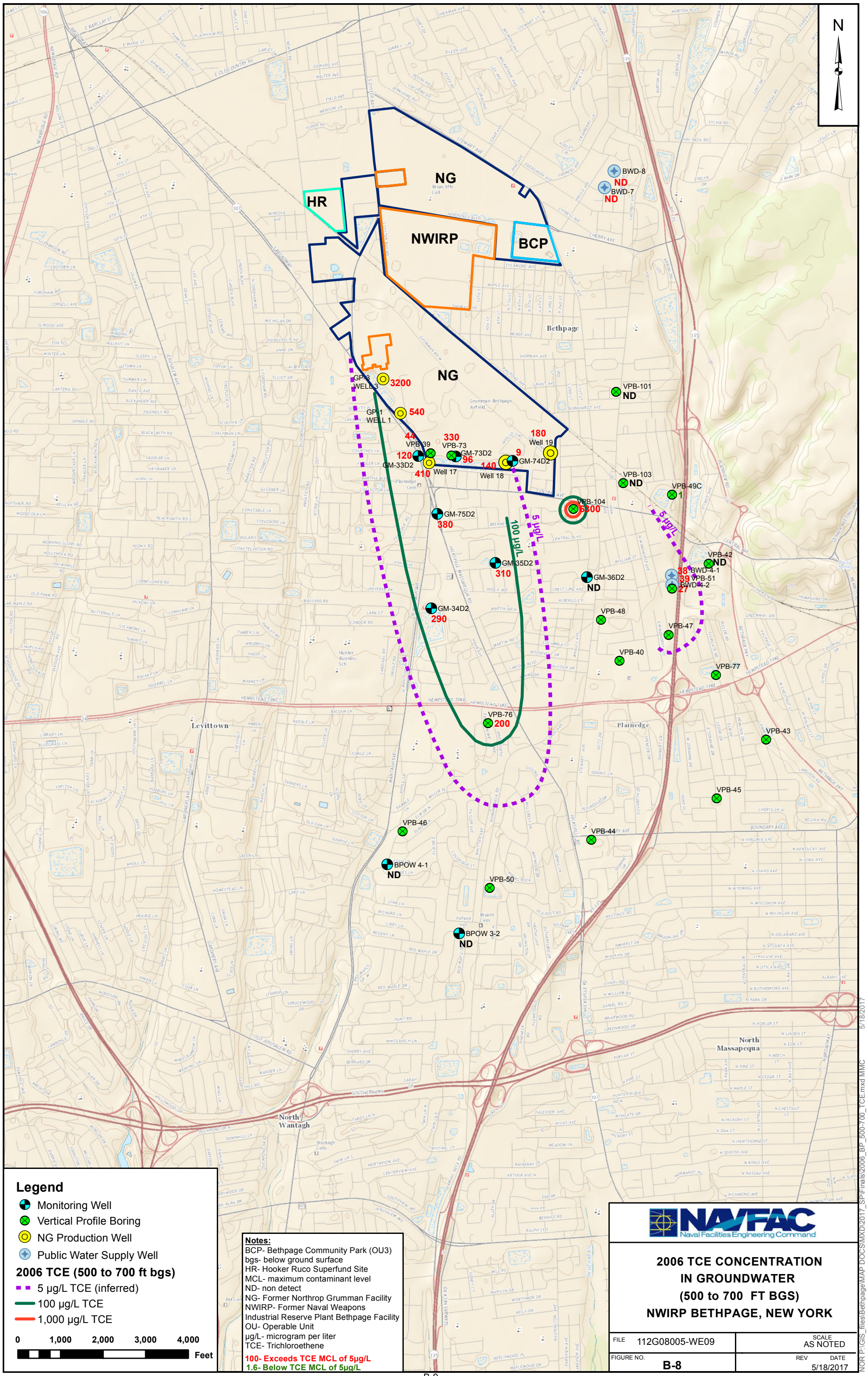
2001 TCE CONCENTRATION IN GROUNDWATER (GREATER THAN 700 FT BGS) NWIRP BETHPAGE, NEW YORK

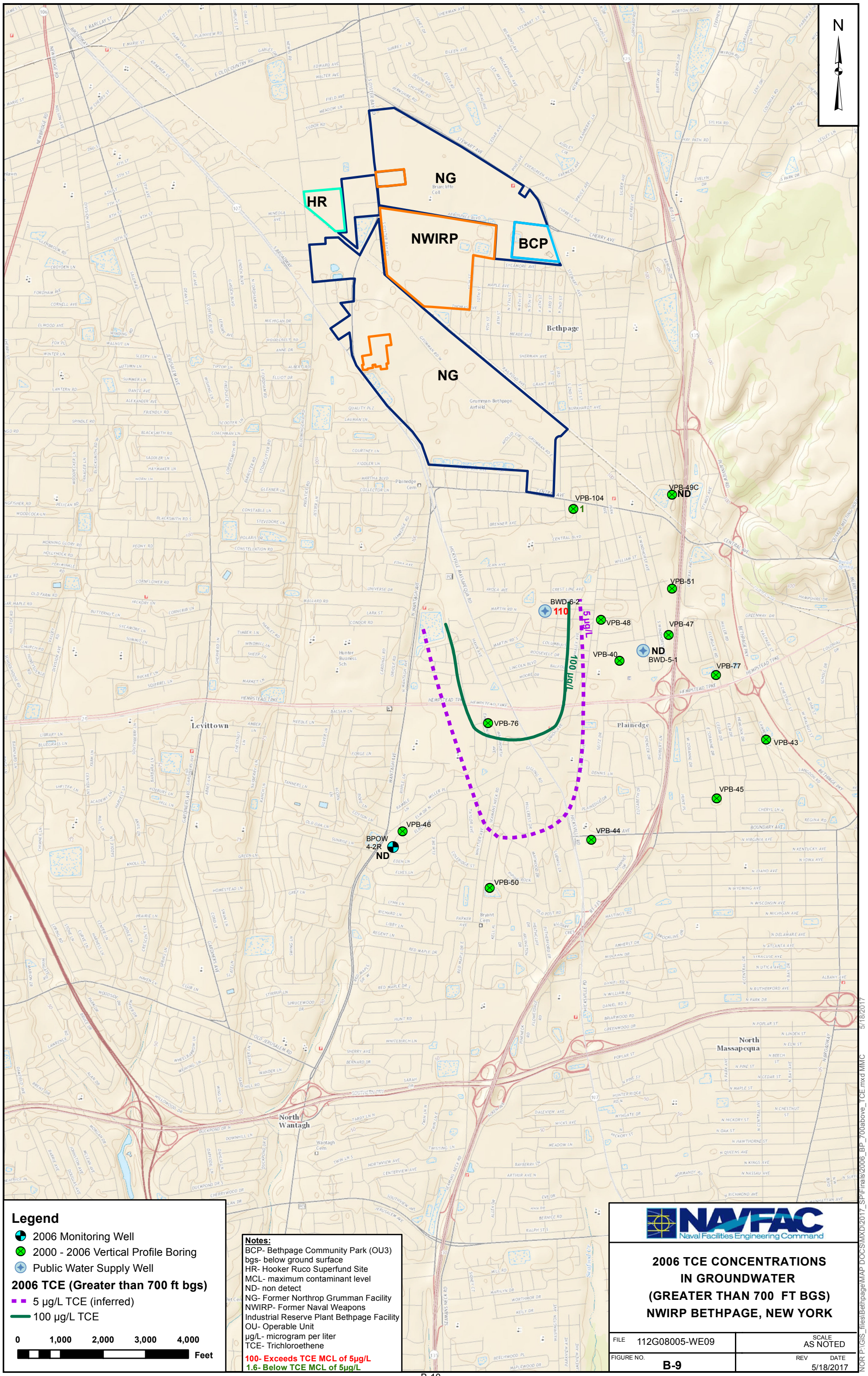
FILE	112G08005-WE09	SCALE	AS NOTED
FIGURE NO.	B-5	REV	DATE 5/18/2017

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N
NG
HR
NWIRP
BCP
NG
Bethpage
Grumman-Bethpage Airfield
Levittown
Plainedge
North Wantagh
North Massapequa
Hunter Business Sch
Wantagh Cem
Bryant Cem
1200 µg/L
620
0.6
VPB-27
VPB-19
VPB-21
HN-24I
15
FW-03
3
2
HN-42I
ND
HN-42S
91
VPB-107
130
VPB-106
78
VPB-105
VPB-108
370
1,000 µg/L
240
VPB-100
VPB-102
1100
GM-13D
120
HN-40I
0.5
HN-40S
ND
VPB-101
0.8
5 µg/L
100 µg/L
ND
GM-17D
GM-17I
ND
13
GM-15D2
1
GM-15D
GM-15I
GM-15S
11
GM-18I
0.5
11
GM-18D
17
GM-39DA
14
GM-73D
120
VPB-39
VPB-73
ND
ND
N-10631
0.9
GM-78S
GM-78I
0.6
GM-20D
ND
GM-20I
ND
GM-21S
GM-21D
2
ND
GM-21I
280
VPB-103
ND
GM-79I
GM-79D
47
150
VPB-104
35
VPB-49C
GM-37D
ND
N-10627
0.6
2
N-10624
GM-36D
6
VPB-42
11
VPB-51
1,000 µg/L
VPB-38
VPB-48
VPB-47
VPB-40
VPB-77
100 µg/L
VPB-76
VPB-43
BPOW 1-1
2
VPB-45
VPB-46
VPB-44
VPB-50
Legend
Monitoring Well
Vertical Profile Boring
2006 TCE (0 to 300 ft bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2006 TCE CONCENTRATION
IN GROUNDWATER
(0 to 300 FT BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-6
REV
DATE 5/18/2017
5/18/2017
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2006_BP_0-300_TCE.mxd MMC


N
HR
NG
Briarcliffe Coll
NWIRP
BCP
NG
GP-3
WELL 3
3200
Grumman-Bethpage Airfield
42
GM-39DB
780
VPB-39
420
VPB-73
140
Well 18
GM-74D
3
180
Well 19
410
Well 17
1,000 µg/L
1900
VPB-103
VPB-104
190
40
VPB-49C
5
GM-71D2
3
GM-37D2
62
GM-70D2
2
VPB-42
1,000 µg/L
1100
GM-34D
143
BWD-6-1
1,000 µg/L
1100
GM-38D
1200
GM-38D2
RW1-MW1
52
VPB-48
VPB-38
VPB-47
VPB-40
VPB-51
100 µg/L
VPB-77
VPB-76
VPB-43
ND
BPOW 1-3
BPOW 1-2
0.93
VPB-45
VPB-46
VPB-44
0.77
BPOW 2-2
BPOW 2-1
1.4
VPB-50
ND
BPOW 3-1
310
460
18
VPB-100
VPB-102
ND
VPB-101
5 µg/L
100 µg/L
Levittown
Plainedge
North Massapequa
North Wantagh
Legend
Monitoring Well
Vertical Profile Boring
NG Production Well
Public Water Supply Well
2006 TCE (300 to 500 ft bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2006 TCE CONCENTRATIONS
IN GROUNDWATER
(300 to 500 FT BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-7
REV DATE 5/18/2017
5/18/2017
N:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2006_BP_300-500_TCE.mxd MMC


N
NG
HR
NWIRP
BCP
NG
BWD-8
ND
BWD-7
ND
Bethpage
GP-3
WELL 3
3200
GP-1
WELL 1
540
VPB-39
44
VPB-73
330
GM-73D2
96
GM-33D2
120
410
Well 17
GM-74D2
9
140
Well 18
180
Well 19
VPB-101
ND
VPB-103
ND
VPB-49C
1
VPB-104
6300
GM-75D2
380
5 µg/L
100 µg/L
GM-35D2
310
VPB-42
ND
BWD-4-1
38
VPB-51
39
BWD-4-2
27
GM-36D2
ND
GM-34D2
290
VPB-48
VPB-47
VPB-40
VPB-77
VPB-76
200
Levittown
Plainedge
VPB-43
VPB-45
VPB-46
VPB-44
BPOW 4-1
ND
VPB-50
BPOW 3-2
ND
North
Massapequa
North
Wantagh
Legend
Monitoring Well
Vertical Profile Boring
NG Production Well
Public Water Supply Well
2006 TCE (500 to 700 ft bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons
Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2006 TCE CONCENTRATION
IN GROUNDWATER
(500 to 700 FT BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-8
REV
DATE 5/18/2017
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2006_BP_500-700_TCE.mxd MMC 5/18/2017


N
NG
Briarcliffe Coll
HR
NWIRP
BCP
NG
Grumman-Bethpage Airfield
Bethpage
Plainedge
Levittown
North Wantagh
North Massapequa
Hunter Business Sch
Plainedge Cem
Bryant Cem
Wantagh Cem
VPB-104
1
VPB-49C
ND
VPB-51
BWD-6-2
110
VPB-48
VPB-47
VPB-40
ND
BWD-5-1
VPB-77
VPB-76
VPB-43
VPB-45
VPB-44
VPB-46
BPOW 4-2R
ND
VPB-50
5 µg/L
100 µg/L
Legend
2006 Monitoring Well
2000 - 2006 Vertical Profile Boring
Public Water Supply Well
2006 TCE (Greater than 700 ft bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
0 1,000 2,000 3,000 4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2006 TCE CONCENTRATIONS
IN GROUNDWATER
(GREATER THAN 700 FT BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-9
REV
DATE 5/18/2017
5/18/2017
N:\GIS_files\BethpageMAP DOCS\MXD\2017_SP\Finals\2006_BP_700above_TCE.mxd MMC

N

NG

HR

NWIRP

BCP

VPB-21

VPB-19A

32 HN-24I

0.57 HN-29IR

3.8 FW-03

41 FW-01

ND HN-42I

7.3 HN-42S

VPB-106

FW-02

MW-108-1

3.9 0.43 VPB-107

MW-102-1

0.51

VPB-105

ND MW-100-1

VPB-108

110

150 MW-100-2

MW-107-1

64 MW-100-3

VPB-102

GM-13D 80

ND HN-40I

1.2 HN-40S

VPB-100

VPB-115

9.8

MW-109-3

1200

5800 VPB-109

VPB-101

NG

5 µg/L

1,000 µg/L

100 µg/L

0.44 GM-17SR

ND GM-17I

ND GM-17D

ND GM-18S

0.43 GM-18I

2 GM-18D

5.5 GM-39DA

VPB-39

0.74 N-10631

VPB-73

ND GM-74I

GM-78S

0.33 GM-78I

ND GM-20D

ND GM-20I

ND GM-21D

0.5 GM-21S

ND

3.1 GM-15I

GM-15S

2.6

0.23 VPB-110

8.5 VPB-111

VPB-103

35 GM-79D

ND GM-79I

VPB-49C

VPB-114

ND

GM-37D

ND

VPB-104

N-10627

0.7 N-10624

ND

56 VPB-112

ND VPB-121

140 VPB-116

ND VPB-117

1.2 GM-36D

VPB-42

VPB-51

1 VPB-123

VPB-48

VPB-38

34 VPB-118

VPB-47

4 VPB-122

VPB-40

8.2 VPB-119

VPB-77

VPB-129 220

VPB-76

VPB-127

10

VPB-43

BPOW 1-1

0.86

VPB-45

VPB-46

VPB-44

7.8 VPB-130

VPB-50

VPB-128

0.7

2.1 VPB-126

ND VPB-125

ND VPB-124

Levittown

Plainedge

North Massapequa

North Wantagh

Grumman-Bethpage Airfield

Hunter Business Sch

Wantagh Cem

Pet Cem

Legend

- Monitoring Well
- Vertical Profile Boring

2011 TCE (0 to 300 ft bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

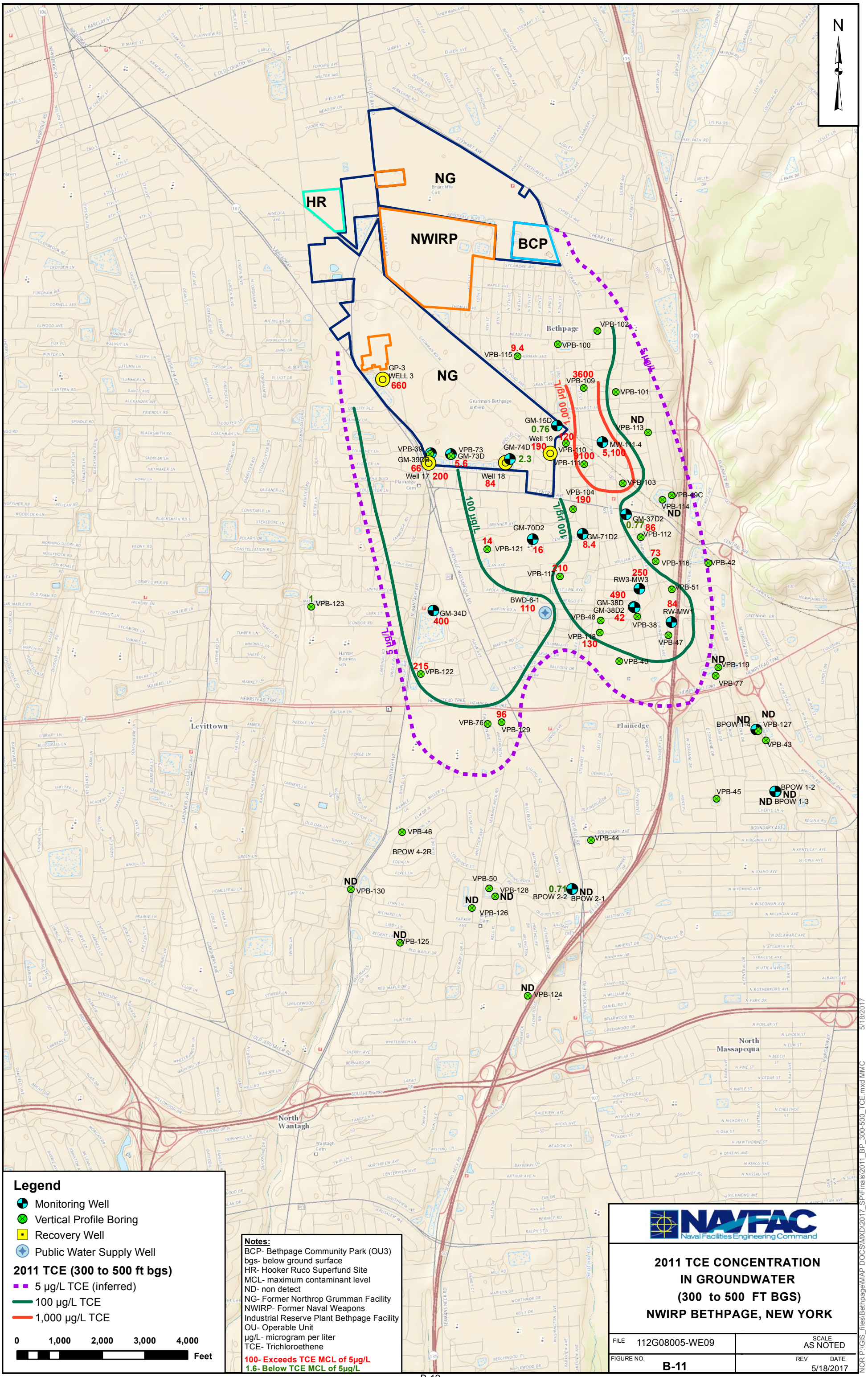
NAVFAC Naval Facilities Engineering Command

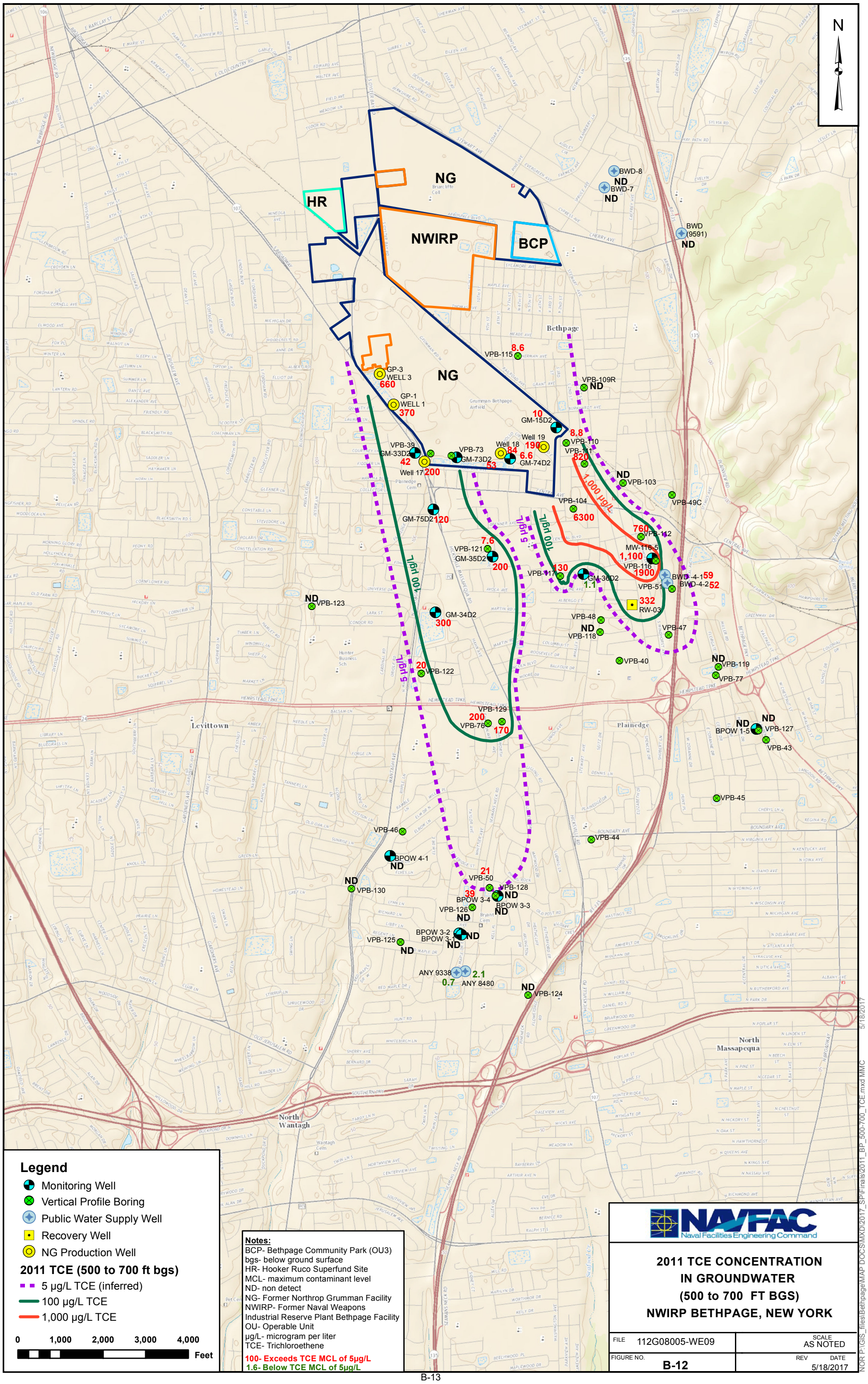
2011 TCE CONCENTRATION IN GROUNDWATER (0 to 300 FT BGS) NWIRP BETHPAGE, NEW YORK

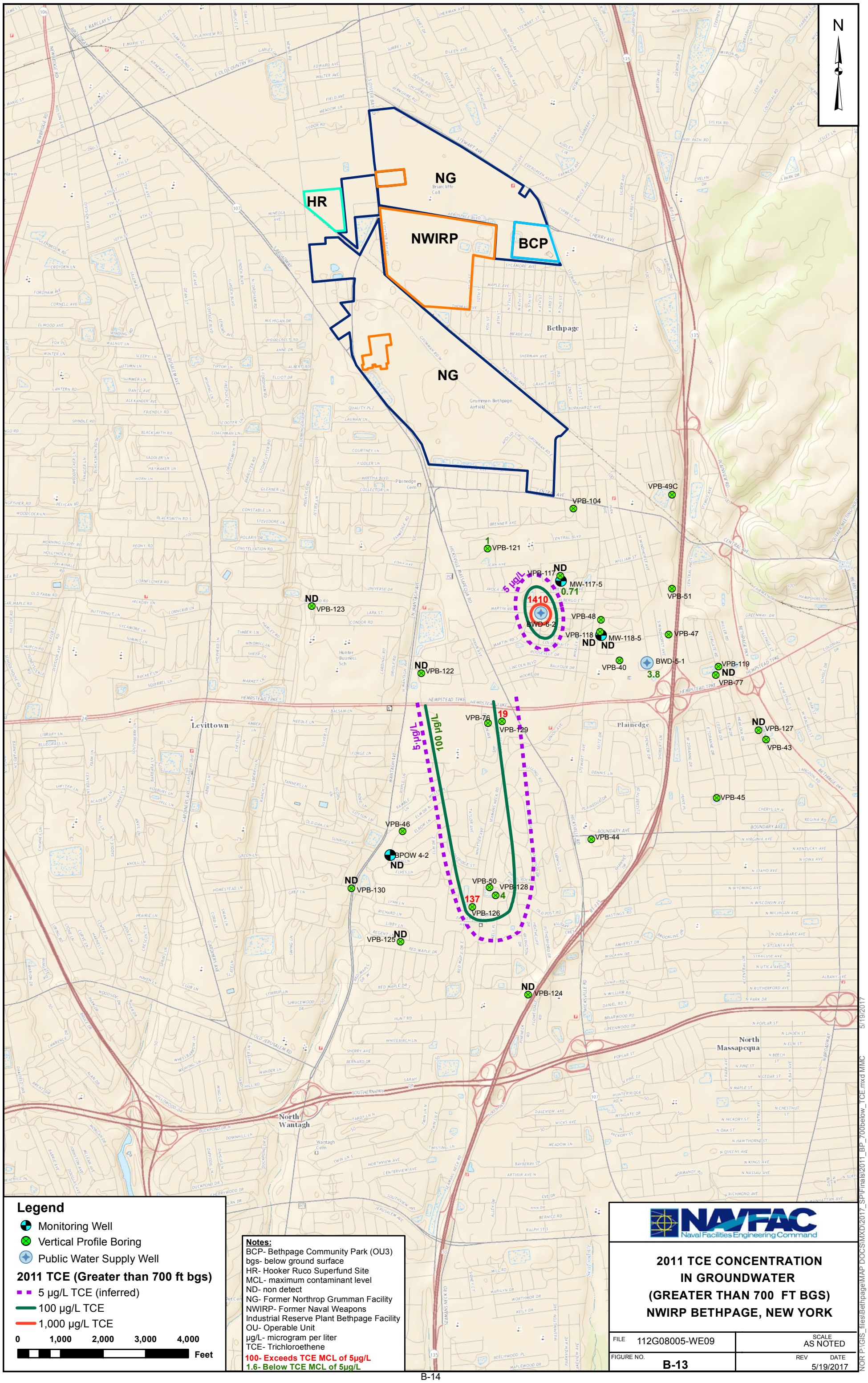
FILE	112G08005-WE09	SCALE	AS NOTED
FIGURE NO.	B-10	REV DATE	5/18/2017

5/18/2017

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2011_BP_0-300_TCE.mxd MMC


N
NG
HR
NWIRP
BCP
NG
Bethpage
VPB-102
VPB-100
9.4
VPB-115
GP-3
WELL 3
660
3600
VPB-109
VPB-101
5 µg/L
1,000 µg/L
GM-15D
0.76
120
Well 19
190
VPB-110
9100
MW-111-4
5,100
ND
VPB-113
VPB-39
GM-39D
66
VPB-73
GM-73D
5.6
GM-74D
2.3
Well 17
200
Well 18
84
VPB-111
VPB-103
VPB-104
190
VPB-49C
VPB-114
ND
GM-37D2
0.77
86
GM-70D2
14
VPB-121
16
GM-71D2
8.4
VPB-112
100 µg/L
73
VPB-116
VPB-42
210
VPB-117
250
RW3-MW3
VPB-51
1
VPB-123
BWD-6-1
110
490
GM-38D
GM-38D2
42
84
RW-MW1
GM-34D
400
VPB-48
VPB-38
VPB-118
130
VPB-47
VPB-40
ND
VPB-119
VPB-77
215
VPB-122
96
VPB-76
VPB-129
Levittown
Plainedge
ND
BPOW 1-4
ND
VPB-127
VPB-43
VPB-45
BPOW 1-2
ND
ND
BPOW 1-3
VPB-46
BPOW 4-2R
VPB-44
ND
VPB-130
VPB-50
VPB-128
ND
0.71
BPOW 2-2
ND
BPOW 2-1
ND
VPB-126
ND
VPB-125
ND
VPB-124
North
Wantagh
North
Massapequa
Legend
Monitoring Well
Vertical Profile Boring
Recovery Well
Public Water Supply Well
2011 TCE (300 to 500 ft bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons
Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2011 TCE CONCENTRATION
IN GROUNDWATER
(300 to 500 FT BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-11
REV DATE 5/18/2017
5/18/2017
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2011_BP_300-500_TCE.mxd MMC


N
NG
HR
NWIRP
BCP
NG
BWD-8
ND
BWD-7
ND
BWD
(9591)
ND
Bethpage
8.6
VPB-115
GP-3
WELL 3
660
VPB-109R
ND
GP-1
WELL 1
370
10
GM-15D2
8.8
VPB-110
VPB-111
820
Well 19
190
VPB-39
GM-33D2
42
VPB-73
GM-73D2
53
Well 18
84
6.6
GM-74D2
Well 17
200
ND
VPB-103
VPB-49C
VPB-104
6300
1,000 µg/L
GM-75D2
120
760
VPB-102
7.6
VPB-121
GM-35D2
200
MW-116-5
1,100
VPB-116
1900
130
VPB-117
GM-36D2
1.1
BWD-4-1
59
BWD-4-2
52
VPB-51
332
RW-03
ND
VPB-123
GM-34D2
300
VPB-48
ND
VPB-118
VPB-47
VPB-40
ND
VPB-119
VPB-77
20
VPB-122
VPB-129
200
VPB-76
170
ND
VPB-127
BPOW 1-5
VPB-43
VPB-45
VPB-46
VPB-44
BPOW 4-1
ND
21
VPB-50
VPB-128
ND
VPB-130
39
BPOW 3-4
ND
BPOW 3-3
VPB-126
ND
BPOW 3-2
ND
BPOW 3-1
ND
VPB-125
ND
ANY 9338
2.1
0.7
ANY 8480
ND
VPB-124
100 µg/L
5 µg/L
Levittown
Plainedge
North
Massapequa
North
Wantagh
Grumman-Bethpage
Airfield
Hunter
Business
Sch
Wantagh
Cem
Plainedge
Cem
Bryant
Cem
Pet Cem
Seaford Cr
Legend
Monitoring Well
Vertical Profile Boring
Public Water Supply Well
Recovery Well
NG Production Well
2011 TCE (500 to 700 ft bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons
Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2011 TCE CONCENTRATION
IN GROUNDWATER
(500 to 700 FT BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-12
REV DATE 5/18/2017
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2011_BP_500-700_TCE.mxd MMC 5/18/2017


N
NG
Briarcliffe Coll
HR
NWIRP
BCP
NG
Grumman-Bethpage Airfield
Bethpage
Levittown
Plainedge
North Massapequa
North Wantagh
Hunter Business Sch
Plainedge Cem
Wantagh Cem
VPB-49C
VPB-104
VPB-121
1
VPB-117
ND
MW-117-5
0.71
5 µg/L
1410
BWD-6-2
VPB-48
VPB-118
MW-118-5
ND
ND
VPB-40
BWD-5-1
3.8
VPB-51
VPB-47
VPB-119
ND
VPB-77
VPB-123
ND
VPB-122
ND
VPB-76
19
VPB-129
100 µg/L
5 µg/L
VPB-127
VPB-43
VPB-45
VPB-44
VPB-46
BPOW 4-2
ND
ND
VPB-130
VPB-50
VPB-128
4
137
VPB-126
ND
VPB-125
ND
VPB-124
Legend
Monitoring Well
Vertical Profile Boring
Public Water Supply Well
2011 TCE (Greater than 700 ft bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0 1,000 2,000 3,000 4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
µg/L- microgram per liter
TCE- Trichloroethene
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2011 TCE CONCENTRATION
IN GROUNDWATER
(GREATER THAN 700 FT BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-13
REV
DATE 5/19/2017
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2011_BP_700below_TCE.mxd MMC 5/19/2017

TCE
(0 to 300 feet bgs)

Legend

- Monitoring Well
- Vertical Profile Boring
- Recovery Well

2016 TCE (0 to 300 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter

100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC Naval Facilities Engineering Command

2016 TCE CONCENTRATION IN GROUNDWATER (0 to 300 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE09	SCALE	AS NOTED
FIGURE NO.	B-14	REV / DATE	5/19/2017

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2016_BP_0-300_TCE_appB.mxd MMC 5/19/2017

N

NG
Briarcliffe Coll

HR

NWIRP

BCP

NG

Bethpage

Grumman-Bethpage Airfield

Hunter Business Sch

Levittown

Plainedge

North Massapequa

North Wantagh

Bryant Cem

Wantagh Cem

VPB134 2400
VPB135 3.1
VPB136 15
58.4 MW 3-1
WELL 3 510
VPB144 7800
GM-39DB 57.6
RE123D1 7.3
GM-73D 9.1
VPB157 120
WELL 17 159
GM-74D 1.3
WELL 18 51.2
141 WELL 19
GM-15D 0.33
MW-111-4 5100
VPB140 120
GM-78D 3.3
GM-78D2 1.4
VPB141 87
VPB160 14
RW-21_MW-4 249
RW-21_VP-4 674
RW-21_VP-1 15.9
RW-21_VP-2 455.4
RW-21_VP-3 510
GM-37D2 3.3
GM-71D2 11
RW-21_VP-6 16
RW-21_VP-8 32.4
RW-21_MW-8 452
RW-21_VP-8 277
RW-21_MW-12-1 103
RW-21_VP-12 72.9
VPB156 67
VPB142 68
GM-70D2 10.3
RW-21_VP-5 137
RW-21_MW-5-1 47.3
RW-21_VP-9 123
RW-21_VP-11 195
RE104D1 84
VPB138 90
VPB137 27
GM-34D 412
31.7 BWD-3876
GM-38D 140
GM-38D2 148
RW1-MW1 110
VPB139 190
RE125D1 180
VPB159 310
VPB154 190
RE131D1 100
VPB165 140
TT101D 68
VPB155 ND
VPB158 140
VPB148 1.8
VPB150 ND
VPB149 ND
VPB162 ND
VPB131 ND
BPOW 2-2 ND
BPOW 2-1 ND
VPB161 ND
BPOW 5-1 ND
VPB132 ND
VPB152 ND
VPB153 ND
VPB151 ND
VPB163 ND
VPB133 ND
VPB167 ND
VPB146 ND
VPB147 0.45
VPB145 ND
BPOW 1-4 ND
BPOW 1-2 0.3
BPOW 1-3 ND
SFWD-5148 ND
LWD-04450 ND
LWD-05302 ND

1,000 µg/L
100 µg/L
5 µg/L

HEMPSTEAD TNPK
SOUTHERN STATE PKWY

TCE
(300 to 500 feet bgs)

Legend

- Monitoring Well
- Vertical Profile Boring
- Recovery Well
- NG Production Well
- Public Water Supply Well

2016 TCE (300 to 500 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

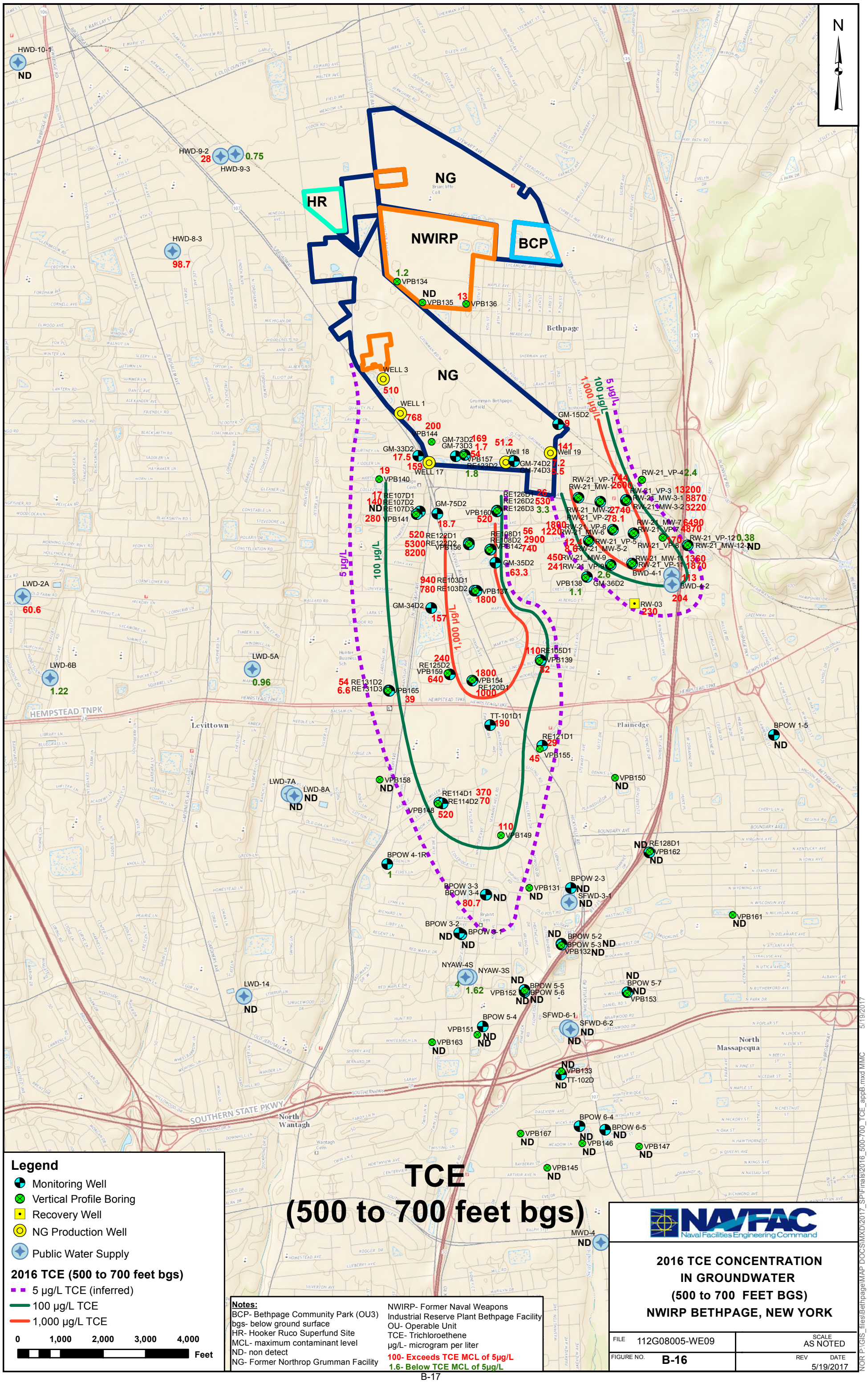
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC Naval Facilities Engineering Command

2016 TCE CONCENTRATION IN GROUNDWATER (300 to 500 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE09	SCALE	AS NOTED
FIGURE NO.	B-15	REV	DATE 5/19/2017

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2016_300-500_TCE_appB.mxd MMC 5/19/2017


N
HWD-10-1
ND
HWD-9-2
28
0.75
HWD-9-3
HWD-8-3
98.7
NG
HR
NWIRP
BCP
1.2
VPB134
ND
VPB135
13
VPB136
Bethpage
WELL 3
510
NG
WELL 1
768
200
VPB144
GM-15D2
9
GM-73D2
169
GM-73D3
1.7
54
51.2
GM-33D2
17.5
159
WELL 17
VPB157
RE123D2
1.8
Well 18
GM-74D2
7.2
GM-74D3
5.5
Well 19
141
19
VPB140
17
RE107D1
140
RE107D2
ND
RE107D3
280
VPB141
GM-75D2
18.7
RE126D1
26
RE126D2
530
RE126D3
3.3
VPB160
520
RW-21_VP-4
2.4
RW-21_VP-1
714
RW-21_MW-1
2600
RW-21_VP-3
13200
RW-21_MW-3-1
8870
RW-21_MW-3-2
3220
RW-21_MW-2
2740
RW-21_VP-2
78.1
RW-21_MW-7
6490
RW-21_VP-7
4870
1800
RW-21_VP-6
1220
RW-21_MW-6
56
2900
740
RW-21_VP-5
12.4
8.6
RW-21_MW-5-2
RW-21_VP-8
RW-21_VP-12
0.38
ND
RW-21_MW-12-2
450
RW-21_MW-9
241
RW-21_VP-9
RW-21_MW-11
1360
RW-2T_VP-11
1870
BWD-4-1
2.6
GM-36D2
113
BWD-4-2
204
VPB138
1.1
RW-03
230
520
RE122D1
5300
RE122D2
8200
VPB156
GM-35D2
63.3
940
RE103D1
780
RE103D2
VPB137
1800
GM-34D2
157
5 µg/L
100 µg/L
1,000 µg/L
LWD-2A
60.6
LWD-5A
0.96
LWD-6B
1.22
HEMPSTEAD TNPK
Levittown
240
RE125D2
VPB159
640
54
RE131D2
6.6
RE131D3
VPB165
39
1800
VPB154
RE120D1
1000
110
RE105D1
VPB139
32
TT-101D1
190
RE121D1
29
VPB155
45
Plainedge
BPOW 1-5
ND
VPB150
ND
VPB158
ND
LWD-7A
LWD-8A
ND
ND
RE114D1
370
RE114D2
70
VPB148
520
110
VPB149
BPOW 4-1R
1
ND
RE128D1
VPB162
ND
BPOW 3-3
BPOW 3-4
ND
80.7
VPB131
ND
BPOW 2-3
ND
SFWD-3-1
ND
VPB161
ND
BPOW 3-2
ND
BPOW 3-1
ND
ND
BPOW 5-2
BPOW 5-3
ND
VPB132
ND
NYAW-4S
4
1.62
NYAW-3S
ND
BPOW 5-5
BPOW 5-6
VPB152
ND
ND
ND
BPOW 5-7
ND
VPB153
LWD-14
ND
BPOW 5-4
VPB151
ND
ND
VPB163
ND
SFWD-6-1
SFWD-6-2
ND
ND
North Massapequa
ND
VPB133
TT-102D
ND
SOUTHERN STATE PKWY
North Wantagh
BPOW 6-4
BPOW 6-5
ND
ND
VPB167
ND
VPB146
ND
VPB147
ND
VPB145
ND
MWD-4
ND
TCE
(500 to 700 feet bgs)
Legend
Monitoring Well
Vertical Profile Boring
Recovery Well
NG Production Well
Public Water Supply
2016 TCE (500 to 700 feet bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
NAVFAC
Naval Facilities Engineering Command
2016 TCE CONCENTRATION
IN GROUNDWATER
(500 to 700 FEET BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE09
SCALE AS NOTED
FIGURE NO. B-16
REV
DATE 5/19/2017
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2016_500-700_TCE_appB.mxd MMC 5/19/2017

TCE
(Greater than 700 feet bgs)

N

HR
NG
NWIRP
BCP
NG

VPB134 ND
VPB135 ND
VPB136 ND
VPB144 ND
RE123D3 ND
VPB157 ND
VPB140 ND
VPB141 ND
VPB160 ND
RE122D3 5.1
VPB156 1.8
VPB142 ND
RE103D3 500
VPB137 1.6
RW-21_VP-1 3.9
RW-21_VP-4 0.57
RW-21_VP-3 1.7
RW-21_VP-2 18.7
RW-21_VP-6 5.6
RW-21_VP-5 ND
RW-21_VP-7 4.5
RW-21_VP-9 3.4
RW-21_VP-11 4.2
RE104D3 0.56
RE104D2 10
VPB138 ND
BWD-6-2 1280
1,000 µg/L
100 µg/L
5 µg/L
RE105D2 1800
VPB139 1200
BWD-5-1 32.4
VPB159 99
RE125D3 150
VPB165 ND
VPB154 700
RE120D2 670
RE120D3 41
TT-101D2 740
RE121D2 480
VPB155 ND
VPB158 ND
RE114D3 43
VPB148 28
VPB149 16
BPOW 4-2R 1.5
LWD-13 ND
VPB131 61
VPB150 ND
BPOW 1-6 ND
SFWD-1-4 ND
RE128D2 ND
VPB162 ND
VPB132 ND
RE118D1 ND
VPB152 ND
RE119D1 ND
VPB153 2.8
RE117D2 ND
RE117D1 17
VPB151 ND
RE129D1 ND
RE129D2 ND
VPB163 1.6
TT-102D2 ND
VPB133 ND
BPOW 6-3 ND
BPOW 6-6 ND
VPB167 ND
VPB146 ND
VPB147 ND
BPOW 6-2 ND
VPB145 ND
MWD-5 ND

Bethpage
Levittown
Plainedge
North Massapequa
North Wantagh
Grumman-Bethpage Airfield
Hunter Business Sch
Bryant Cem
Wantagh Cem

HEMPSTEAD TNPK
SOUTHERN STATE PKWY

Legend

- Monitoring Well
- Vertical Profile Boring
- Public Water Supply

2016 TCE (Greater than 700 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC Naval Facilities Engineering Command

2016 TCE CONCENTRATION IN GROUNDWATER (GREATER THAN 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE09	SCALE	AS NOTED
FIGURE NO.	B-17	REV	DATE 5/19/2017

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\Finals\2016_BP_700below_TCE_appB.mxd MMC 5/19/2017

TCE
(0 to 300 feet bgs)

HR
NG
NWIRP
BCP
NG

5 µg/L
100 µg/L
100 µg/L

Hicksville
Bethpage
Levittown
North Massapequa
North Wantagh
HEMPSTEAD TNPK
SOUTHERN STATE PKWY

Legend

- Monitoring Well
- Vertical Profile Boring
- Recovery Well

2017 TCE (0 to 300 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
DEP- Deep Eastern Plume (OU3)
DWP- Deep Western Plume (OU2)
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter

100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC Naval Facilities Engineering Command

2017 TCE CONCENTRATION IN GROUNDWATER (0 to 300 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	B-18	REV DATE	5/9/2018

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\BP_OU2_2018\WINN2017_BP_0-300_TCE.mxd MMC 5/9/2018

TCE (300 to 500 feet bgs)

N

NG
Briarcliffe Coll

HR

NWIRP

BCP

NG

RW21 Area Hotspot (OU3)

DEP (OU3)

GM38 Area Hotspot (OU2)

DWP (OU2)

Hicksville

Bethpage

Levittown

North Massapequa

North Wantagh

HEMPSTEAD TNPK

SOUTHERN STATE PKWY

100 µg/L

1,000 µg/L

5 µg/L

VPB134 2400
VPB135 3.1
VPB136 15
119 MW3-1
WELL 3 498
7600 VPB144
64.5 GM-39DB
8.4 RE123D1
20.2 GM-73D
VPB157 139
WELL 17 116
WELL 18
55.6
GM-74D 1.5
WELL 19
GM-15D 0.33
MW-111-4 1640
RE106D1 7.4
RE106D2 46
VPB140 120
GM-78D 3.5
GM-78D2 1.6
RW-21_MW-4 249
RW-21_VP-4 674
RW-21_VP-1 16.9
RW-21_VP-3 1910
RW-21_VP-2 455
VPB141 87
14 VPB160
26 VPB143 5.5
RE109D1
RE109D2 29
GM-37D2 1.6
GM-71D1 12.1
RW-21_VP-6 16
RW-21_VP-8 32.4
RW-21_MW-8 452
RW-21_VP-7 217
RW-21_MW-12-1 103
RW-21_VP-12 72.9
RW-21_MW-5-1
RW-21_VP-5 137
47.3
GM-70D2 7.8
VPB156 67
VPB142 68
RW-21_VP-9 123
195 RW-21_VP-11
79 RE104D
VPB138 90
VPB137 27
89 GM-38D 306 GM-38D2
110 RW1-MW1
31.7 BWD-3876
GM-34D 299
120 VPB168
190 VPB139
200 RE125D1
VPB159 310
VPB154 190
140 RE131D1
VPB165 140
VPB171 220
VPB169 ND
LT101D 85
VPB166 100
VPB155 ND
VPB158 140
VPB148 1.8
VPB150 ND
VPB149 ND
VPB162 ND
VPB131 ND
ND ND
BPOW 2-1
BPOW 2-2
VPB161 ND
BPOW 1-4 ND
BPOW 1-2 0.9
BPOW 1-3 ND
SFWD-5148 ND
LWD-04450 ND
LWD-05302 ND
VPB170 2.8
BPOW 5-1 ND
ND VPB132
VPB164 ND
VPB152 ND
VPB153 ND
VPB151 ND
VPB163 ND
VPB133 ND
VPB167 ND
VPB146 ND
VPB147 0.45
VPB145 ND

Legend

- Monitoring Well
- Vertical Profile Boring
- Recovery Well
- Public Water Supply Well

2017 TCE (300 to 500 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
DEP- Deep Eastern Plume (OU3)
DWP- Deep Western Plume (OU2)
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter

100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC Naval Facilities Engineering Command

2017 TCE CONCENTRATION IN GROUNDWATER (300 to 500 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	B-19	REV DATE	5/16/2018

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\BP_OU2_2018WINN\2017_300-500_TCE.mxd MMC 5/16/2018

TCE (500 to 700 feet bgs)

N

HWD-10-1 ND

HWD-9-2 28 0.75 HWD-9-3

HWD-8-3 98.7

HR

NG
Briarcliffe Coll

NWIRP

BCP

1.2 VPB134

ND VPB135 13 VPB136

RW21 Area Hotspot (OU3)

DEP (OU3)

WELL 3 498

NG

WELL 1 702

200 VPB144

GM-15D2 10

GM-73D2 35.7
GM-73D3 1.8
54 VPB157

55.6 Well 18 7.8 Well 19 139

GM-33D2 18.7

WELL 17 116

GM-74D2 2.1
GM-74D3 5.85

RE106D3 19
84 VPB140

RW-21_VP-4 2.4

RW-21_VP-1 744
RW-21_MW-1 2600

RW-21_VP-3 13200
RW-21_MW-3-1 8870
RW-21_MW-3-2 3220

RW-21_MW-2 2740
RW-21_VP-2 78.1

RW-21_MW-7 6490
RW-21_VP-7 4870

RW-21_VP-12 0.38
RW-21_MW-12-2 ND

RW-21_VP-8 170

RW-21_MW-5-2 12.4

RW-21_MW-9 8.6

RW-21_MW-6 1800 4220

RW-21_VP-6

RW-21_VP-5

RW-21_MW-11 1650

RW-21_VP-11 1360

RW-21_VP-9 450 241

BWD-4-1 113

BWD-4-2 204

RW-03 220

VPB138 1.1 GM-36D2 3 1870

12.7 RE107D1
226 RE107D2
ND RE107D3
280 VPB141

GM-75D2

26.4 VPB160

4.3 RE126D3
590 RE126D2
85 RE126D1

RE109D3 72
65 VPB143

RE108D1 61
RE108D2 3100
740 VPB142

38.4 GM-35D2

VPB170 ND

560 RE122D1
4700 RE122D2
VPB156
8200

5 µg/L

100 µg/L

1,000 µg/L

DWP (OU2)

990
760 RE103D1
RE103D2
VPB137
1800

110 GM-34D2
VPB168
160

LWD-2A 60.6

LWD-5A 0.96

LWD-6B 1.22

VPB169 ND

260 RE125D2
VPB159
640

67 RE131D2
9.5 RE131D3
VPB165
39

RE120D1
1100

VPB154 1800

3600 VPB171

120 RE105D1
VPB139
82

RE108 Area Hotspot (OU2)

TT-101D1 200

33.8 RE121D1

VPB166 240

VPB155 45

RE124D1 3.9

VPB158 ND

LWD-7A

LWD-8A ND

ND

387 RE114D1
VPB148
520

110
86 VPB149
115D1

BPOW 4-1R 0.84

ND BPOW 3-3
106 BPOW 3-4

VPB131 ND

BPOW 2-3 ND

SFWD-3-1 ND

BPOW 3-2 ND

BPOW 3-1 ND

BPOW 5-2 ND
BPOW 5-3 ND
VPB132 ND

VPB150 ND

BPOW 1-5 ND

RE128D1 ND
VPB162 ND

ND RE127D1
VPB161 ND

VPB164 ND RE130D1 ND

LWD-14 ND

NYAW-4S

NYAW-3S
4 1.62

ND BPOW 5-5 ND
VPB152 BPOW 5-6 ND

ND
BPOW 5-7 ND
VPB153

BPOW 5-4 ND
VPB151 ND

SFWD-6-1

SFWD-6-2 ND
ND

RE129D1 ND VPB163 ND

TT-102D ND VPB133 ND

ND RE133D1
VPB167 ND

BPOW 6-4 ND
BPOW 6-5 ND

VPB146 ND

VPB147 ND

BPOW 6-1 ND VPB145 ND

MWD-4 ND

North Massapequa

North Wantagh

Levitto

Bethpage

HEMPSTEAD TNPK

SOUTHERN STATE PKWY

Legend

- Monitoring Well
- Vertical Profile Boring
- Recovery Well
- Public Water Supply

2017 TCE (500 to 700 feet bgs)

- 5 µg/L TCE (inferred)
- 100 µg/L TCE
- 1,000 µg/L TCE

0 1,000 2,000 3,000 4,000 Feet

Notes:

BCP- Bethpage Community Park (OU3)
bgs- below ground surface
DEP- Deep Eastern Plume (OU3)
DWP- Deep Western Plume (OU2)
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter

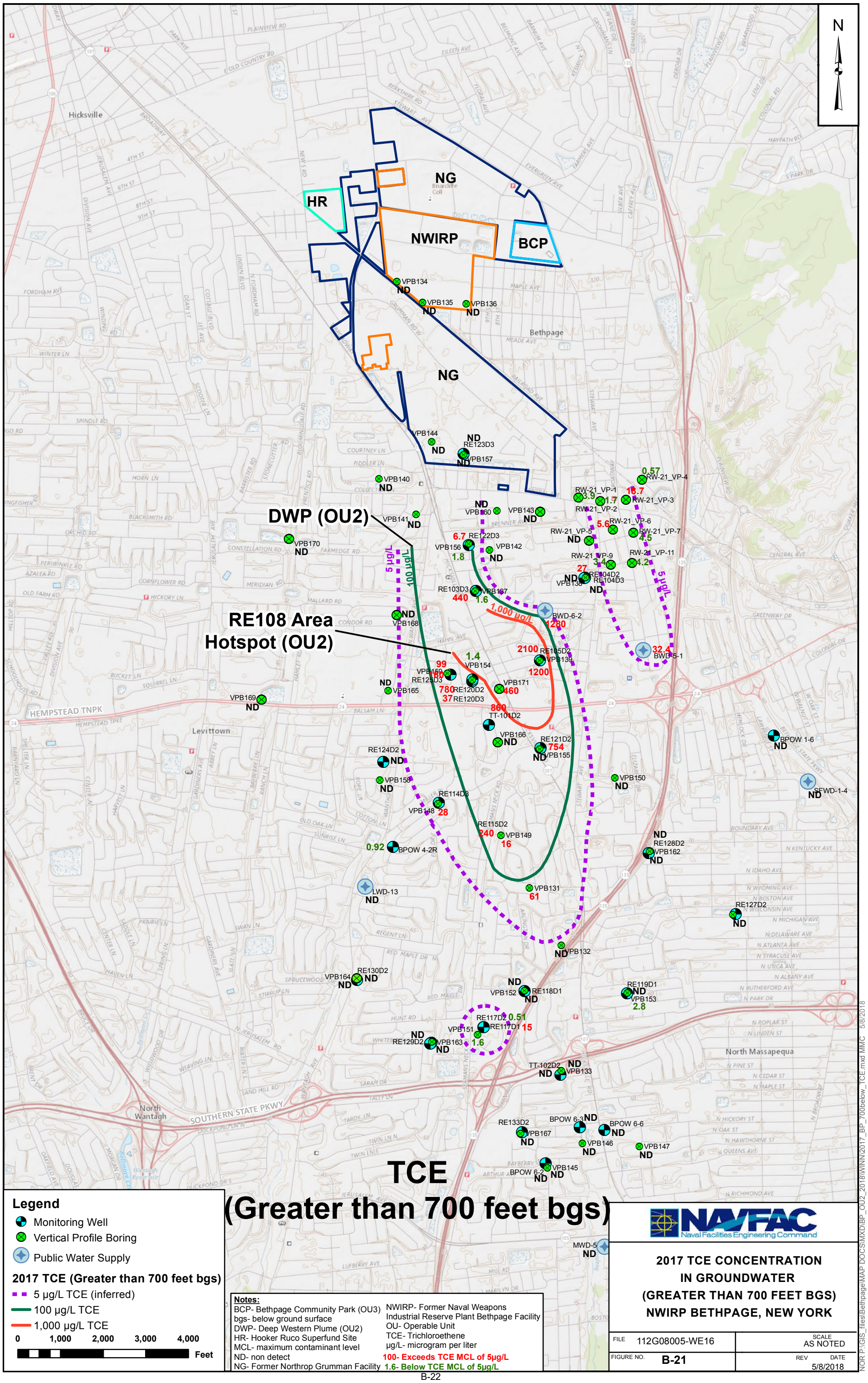
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L

NAVFAC Naval Facilities Engineering Command

2017 TCE CONCENTRATION IN GROUNDWATER (500 to 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	112G08005-WE16	SCALE	AS NOTED
FIGURE NO.	B-20	REV	DATE 5/8/2018

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\BP_OU2_2018WINN\2017_500-700_TCE.mxd MMC


N
NG
HR
NWIRP
BCP
NG
DWP (OU2)
RE108 Area
Hotspot (OU2)
VPB134 ND
VPB135 ND
VPB136 ND
VPB144 ND
RE123D3 ND
VPB157 ND
VPB140 ND
VPB141 ND
VPB170 ND
VPB160 ND
VPB143 ND
VPB156 1.8
RE122D3 6.7
VPB142 ND
RE103D3 440
VPB137 1.6
VPB168 ND
VPB165 ND
RE125D3 780
RE120D2 37
VPB159 99
VPB154 1.4
VPB171 460
RE120D3
TT-101D2 860
VPB166 ND
RE105D2 2100
VPB139 1200
BWD-6-2 1280
BWD-5-1 32.4
RE104D2 27
RE104D3
VPB138 ND
RW-21_VP-1 3.9
RW-21_VP-2 1.7
RW-21_VP-3 16.7
RW-21_VP-4 0.57
RW-21_VP-5 ND
RW-21_VP-6 5.6
RW-21_VP-7 4.5
RW-21_VP-9 3.4
RW-21_VP-11 4.2
VPB169 ND
VPB158 ND
RE124D2 ND
RE114D3
VPB148 28
RE115D2 240
VPB149 16
VPB155 ND
RE121D2 754
VPB150 ND
VPB162 ND
RE128D2 ND
BPOW 4-2R 0.92
LWD-13 ND
VPB131 61
VPB132 ND
RE127D2 ND
BPOW 1-6 ND
SFWD-1-4 ND
RE130D2 ND
VPB164 ND
RE118D1 ND
VPB152 ND
RE119D1 ND
VPB153 2.8
RE117D2 0.51
RE117D1 15
VPB151 1.6
RE129D2 ND
VPB163 ND
TT-102D2 ND
VPB133 ND
RE133D2 ND
VPB167 ND
BPOW 6-3 ND
BPOW 6-6 ND
VPB146 ND
VPB147 ND
VPB145 ND
BPOW 6-2 ND
MWD-5 ND
100 µg/L
5 µg/L
1,000 µg/L
Hicksville
Bethpage
Levittown
North Massapequa
North Wantagh
HEMPSTEAD TNPK
SOUTHERN STATE PKWY
PLAINVIEW RD
E OLD COUNTRY RD
BROADWAY
4TH ST
6TH ST
8TH ST
9TH ST
JERUSALEM AVE
DIVISION AVE
FORDHAM AVE
WINTER LN
WINDING RD
DEAN ST
COTTAGE BLVD
LEE AVE
N FORDHAM RD
LINDEN BLVD
NEW S RD
BERKSHIRE RD
STEWART AVE
EILEEN AVE
BELMONT AVE
BARNUM AVE
FLORAL AVE
EVERGREEN AVE
FARMERS AVE
KESWICK LN
GROHMANS LN
W LANE DR
GERHARD RD
SILBER AVE
CAFFREY AVE
DEROMA DR
BRIARWOOD LN
LENT DR
COLONIAL RD
HAYPATH RD
S PARK DR
MAPLE AVE
MEADE AVE
GRUMMAN RD W
RAILROAD AVE
S 8TH
S 9TH
SPINDLE RD
HORN LN
BLACKSMITH RD
ORCHID RD
CONSTELLATION RD
FARMEDGE RD
PERIWINKLE RD
AZALEA RD
CORNFLOWER RD
MERIDIAN RD
OLD FARM RD
HICKORY LN
MALLARD RD
CONDOR RD
HAHN AVE
BUCKET LN
SQUIRREL LN
SCHOOLHOUSE RD
VALLEY RD
HAMLET RD
BALSAM LN
WAINSCOTT RD
SCOOTER LN
COURTNEY LN
FIDDLER LN
COLLECTOR RD
BRENNER AVE
HICKSVILLE RD
BARRISTER RD
STONECUTTER RD
BLOOMINGDALE RD
PRENTICE RD
OLD OAK LN
SUNRISE LN
COTTON LN
HAVEN LN
SPRUCEWOOD LN
STIRRUP LN
RED MAPLE DR N
HUNT RD
WHITEHALL DR
WEAVING LN
WATER LN S
SARAH DR
TALLY LN
TARDY LN
TWIN LN N
TWIN LN S
SAND HILL RD
DUCKPOND DR N
DUCKPOND DR S
WANTAGH AVE
SEAMANS NECK RD
BAYBERRY
ARTHUR AVE
LUFBERRY AVE
MILL RD
MARILYN DR
N HICKORY ST
N OAK ST
N HAWTHORNE ST
N QUEENS AVE
N RICHMOND AVE
N PINE ST
N CEDAR ST
N MAPLE ST
N POPLAR ST
N LINDEN ST
N RUTHERFORD AVE
N PARK DR
N ALBANY AVE
N UTICA AVE
N SYRACUSE AVE
N ATLANTA AVE
N DELAWARE AVE
N MICHIGAN AVE
N WISCONSIN AVE
N BOSTON AVE
N WYOMING AVE
N IDAHO AVE
N KENTUCKY AVE
BOUNDARY AVE
CENTRAL AVE
GREENWAY DR
COLONIAL DR
W WALNUT ST
W OAK ST
HEMLOCK DR
LAWRENCE ST
STATE PKWY
ELIZABETH ST
Legend
Monitoring Well
Vertical Profile Boring
Public Water Supply
2017 TCE (Greater than 700 feet bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
1,000 µg/L TCE
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
DWP- Deep Western Plume (OU2)
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
ND- non detect
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
TCE- Trichloroethene
µg/L- microgram per liter
100- Exceeds TCE MCL of 5µg/L
1.6- Below TCE MCL of 5µg/L
TCE
(Greater than 700 feet bgs)
NAVFAC
Naval Facilities Engineering Command
2017 TCE CONCENTRATION
IN GROUNDWATER
(GREATER THAN 700 FEET BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE16
SCALE AS NOTED
FIGURE NO. B-21
REV
DATE 5/8/2018
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\BP_OU2_2018\WIN\2017_BP_700below_TCE.mxd MMC 5/8/2018

APPENDIX C
HYDROGEOLOGICAL CALCULATIONS

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APPENDIX C
HYDROGEOLOGICAL CALCULATIONS

1.0 INTRODUCTION

This Appendix provides backup for hydrogeological evaluations presented in the report, with both regional and local groundwater flow patterns presented. Overall, the regional groundwater flow is to the south southeast. The effects of groundwater withdrawal on both the regional and local groundwater flow patterns are illustrated through the construction of several maps depicting the magnitude and areal extent of changes in groundwater elevations caused by the pumping of public water supply wells located south of Hempstead Turnpike. The data used to construct these maps were obtained either during the three rounds of manual groundwater measurements (regional maps) or as recorded by electronic transducers placed in selected wells (local maps).

The withdrawal of groundwater by supply wells lowers the groundwater elevation in the vicinity of the wells. When the pumps are on, the groundwater elevations decrease, and when the pumps are turned off, the groundwater elevations rise back towards their natural (or "ambient") conditions. The degree or magnitude of groundwater lowering and the areal expanse within which the lowering occurs is related to the hydraulic properties of the aquifer materials and the pumping rate of the supply well or wells; the greater the pumping rate, the greater the effects on groundwater elevation. Because groundwater flows from areas of higher groundwater elevation to areas of lower elevation, the pumping of the supply wells create local "sinks" into which groundwater can flow into and be drawn from any direction, including directions that are different than those delineated by the regional groundwater flow maps.

Area-wide groundwater levels in monitoring wells have been measured through the use of transducers, which are battery-powered instruments that are placed in the well and periodically record both time and water level. By recording the water levels at 5-minute intervals, very accurate graphs can be constructed that chart the groundwater levels in the well throughout a single day and throughout an entire pumping season (spring through fall).

2.0 REGIONAL GROUNDWATER FLOW CONDITIONS

Three rounds of groundwater elevation measurements were performed during 2017. The rounds were collected in May 2017 (when groundwater levels are expected to be at a yearly high), September 2017 (when groundwater levels are expected to be at a yearly low due to heavy customer demand during the summer), and December 2017 (a transitional period when the aquifer is recharging, or replenishing its water supply). The depth-to-water measurements that were manually collected at each well were converted to elevations above mean sea level, which are subsequently used to interpret groundwater flow directions. Regional isocontour maps (isocontours are lines connecting locations of equal groundwater elevation) were developed for the two subsurface depth intervals of 500 to 700 feet below ground surface (bgs) and greater than 700 feet bgs. These two depth intervals contain the majority of the off-property mass of VOCs. In

addition, there are insufficient monitoring wells screened in the 0 to 300 feet bgs and 300 to 500 feet bgs depth intervals near and south of Hempstead Turnpike (0 and 8, respectively), and therefore isocontour maps were not developed for the two shallower depth intervals.

The 500 to 700 feet bgs and greater than 700 feet bgs isocontour maps for May 2017 are included in the report as Figures 3-9 and 3-10, and the maps for September 2017 are included in Figures 3-11 and 3-12. The maps for December 2017 are included in this appendix as Figures C-1 and C-2 of this appendix.

There are two seasonal differences in the water levels. One difference is the groundwater elevation at individual locations varies, which is due to either seasonal fluctuation or changes in groundwater withdrawal rates by the supply wells. The second difference is the change in the hydraulic gradient, as determined by the groundwater elevation between two points. The hydraulic gradient gets steeper as the contour lines become closer together on the map. The change in hydraulic gradient is primarily caused by the groundwater withdrawal by the supply wells.

There are also differences in the water levels within each season, including the changes in groundwater elevation and hydraulic gradient discussed above. These changes are primarily due to differences in the hydraulic properties of the various aquifer materials that consist of fine- to coarse-grained sands and gravel but also contain varying amounts of silt and clay. The hydraulic conductivity of the aquifer layers (or the "ease" with which groundwater flows through the material) varies with the grain size of the sands and the amount of finer-grained material that may retard the flow rate.

The interpreted groundwater flow directions are illustrated by blue arrows on the contour maps. Groundwater flow direction is perpendicular to the isocontour lines. On a regional scale, the groundwater south of Hempstead Turnpike consistently flows in a south to southeast direction. These maps are considered regional flow interpretations that define the overall, area-wide groundwater flow directions, but do not define smaller-scale variations in groundwater flow due to more localized changes in groundwater elevations or aquifer properties. Note that the effects of the groundwater pumping by the supply wells are not apparent on these maps, other than the lowering of the groundwater elevations through the summer, particularly in the monitoring wells located closest to the supply wells.

Evaluating the Effects of Well Pumping on Regional Groundwater Flow Patterns

To evaluate the effects of well pumping on groundwater flow patterns, Figure 3-13 was derived from the regional groundwater flow maps by contouring the drawdown (or decrease) in groundwater elevations between the May 2017 (maximum groundwater elevation) and September 2017 (minimum groundwater elevation) measuring rounds. This map illustrates the seasonal change in groundwater elevations south of Hempstead Turnpike. The most notable features of this map are the two regional sinks, or areas of greater seasonal drawdown. These sinks are interpreted to represent zones of groundwater capture or influence. Groundwater will either naturally flow or be drawn into these sinks through groundwater pumping, and subsequently be physically removed from the aquifer by the supply wells. The large sink to the north is

created by the combined pumping of the SFWD 3-1 and the NYAW -3S and -4S supply wells, and the smaller sink to the south is created by the pumping of the SFWD 6-1 and 6-2 supply wells.

Based on the available data, the two groundwater sinks are not interconnected, but are distinct and separate hydraulic basins. Under this interpretation, groundwater flowing into the northern sink (either induced by pumping or under regional flow) will be removed from the aquifer and will not flow into the southern sink. However, this interpretation is highly constrained by the uncertainty introduced by the large periodic (even daily) fluctuations in groundwater levels that were detected by the transducers and illustrated in Charts C-1 to C-4. Because the manual groundwater level measurements are not truly synoptic (taken at exactly the same time), the measurements for some wells may represent "pump off" conditions (higher water elevation), while the elevations in other wells may represent "pump on" conditions (lower elevation conditions). Thus, these regional flow interpretations based on groundwater elevation are potentially (or very likely) a mix of pumping and non-pumping measurements that are not representative of any particular condition that actually exists during the well pumping cycles. These measurements are not likely to highly impact regional flow interpretations, but they cannot be used to delineate the localized flow conditions that are created by the cyclic pumping of the different supply wells.

3.0 LOCALIZED GROUNDWATER FLOW CONDITIONS

Charts C-1 through C-4 illustrate the groundwater elevations recorded at five-minute intervals in six monitoring wells located within the project area from April 2017 through September 2017. These charts reflect short-term and long-term fluctuations in elevation that occurred from spring through fall as the demands from the different supply wells varied throughout the seasons. The charts are annotated with the Navy's interpretation of the well(s) operating during the recorded intervals, but it is important to understand that these interpretations partly rely on general usage information provided by the water suppliers. The actual pumping histories (principally "on" or "off") of the wells during the recording period are not known.

Chart C-1 illustrates the groundwater elevations in late April 2017, when regional groundwater levels are typically at their maximums, and groundwater demand is low. The groundwater elevations on this chart are consistent, and include only very minor fluctuations of less than one foot. This timeframe is interpreted to reflect the conditions attributable to the pumping of NYAW wells -3S and/or -4S, which are primary supply wells that are consistently operated through the year. Chart C-1 also contains and reflects the period of maximum groundwater elevation that was observed during the 2017 recording season; this yearly maximum occurred on April 26 and is highlighted by the vertical red bar.

Chart C-2 illustrates the groundwater elevations in May 2017, when groundwater demand increases, especially during relatively short-lived "hot spells." The periodic pumping of SFWD supply wells 3-1, 6-1, and 6-2 are apparent on this chart. These supply wells reportedly are not operated continuously throughout the year, and are used when water demand increases. The cyclic pumping creates corresponding short-term changes in groundwater elevations of up to two feet. Again, the changes attributable to the individual wells are interpretative, and are based solely on the assumption that the greatest changes in water levels

will occur in the monitoring wells that are located closest to the pumping well. For example, monitoring well BPOW 5-3 is located closest to supply well SFWD 3-1, so the largest variations recorded for BPOW 5-3 are believed to be caused by the pumping of SFWD 3-1.

Charts C-3 and C-4 illustrate the groundwater elevations throughout the summer, or the months of June 2017 through early September 2017. These months typically represent the period of heaviest groundwater demand, and reflect both the near-continuous usage of primary supply wells and the frequent on-and-off cycling of seasonal supply wells. Note that the combined pumping of the wells can create daily fluctuations in the local groundwater elevations that are greater than 2 feet in magnitude. Chart C-4 also contains and reflects the time of minimum groundwater elevation that was observed during the 2017 recording season; this yearly minimum occurred on August 28 and is highlighted by the vertical red bar.

Evaluating the Effects of Well Pumping on Local Groundwater Flow Patterns

Figures C-3 to C-6 are constructed from groundwater elevations recorded by the transducers. Because the transducers are synchronized and record the time that the measurements are taken, contour maps representing synoptic "snapshots" of groundwater elevations can be constructed, which eliminates the uncertainty that is introduced by the cyclic fluctuations in groundwater levels caused by the pumping of the supply wells. One constraint or uncertainty introduced by the transducer measurements is the fact that less data is available upon which to base the interpretation, as transducer data is not available for every well.

Figure C-3 is a groundwater elevation contour map as measured on April 26 at 3:45 a.m. (the yearly maximum denoted by the red bar on Chart C-1). Groundwater generally flows to the south and southeast, which is consistent with the directions illustrated by the regional flow maps. A subtle bending or deflection of the contours is detected in the vicinity of the NYAW -3S and -4S supply wells, which is interpreted to reflect the pumping of these wells.

Figure C-4 is a groundwater elevation contour map as measured on August 28 at 7:45 a.m. (the yearly minimum denoted by the red bar on Chart C-4, during a time of the day when all supply wells are apparently pumping, and during the time that represents the maximum drawdown recorded during the entire season). Here, the overall direction of groundwater flow is also to the south, but is converging from the northwest and northeast into an interpreted groundwater sink.

Figure C-5 represents the total drawdown (decrease) in synoptic groundwater elevations as measured by the transducers on April 26, 2017 and August 28, 2017 and is analogous to the Figure 3-13 that was constructed for the regional flow map. Figure C-5 differs from Figure 3-13 in that only one large groundwater sink can be interpreted. In this interpretation using synoptic measurements, a separate northern sink does not exist to prevent the continued southern migration of the groundwater, and any groundwater that enters the one large unified sink from the north (including the TCE plume) may eventually be removed by the seasonal SFWD 6-1 and 6-2 wells. It is important to note that although the synoptic data removes the uncertainty caused by fluctuating groundwater levels, a different uncertainty is introduced by the absence

of elevation data for monitoring wells BPOW 3-2, BPOW 2-3, and BPOW 6-1, 6-2, and 6-3. The inability to depict the two distinct sinks that were interpreted with the regional maps may be due to the absence of measurements at these locations using the synoptic data.

4.0 USGS Groundwater Flow Model

The USGS is currently constructing a groundwater flow model to simulate the zones of groundwater contribution to the supply wells discussed in this report (USGS, 2017 [Draft]). Figure 3-14 of this report is based on Figure 16 from the USGS draft report, and represents the estimated maximum areal extent of zones of contribution to the NYAW -3S and -4S, the SFWD 3-1, and the SFWD 6-1 and 6-2 supply fields. Note that the zones of contribution overlap or nearly overlap, which supports the transducer-data interpretation that one large groundwater sink may exist under maximum summer pumping conditions. Currently the USGS model and the interpretations made with the 2017 empirical data appear to agree for the directions of groundwater flow and the creation and location of groundwater sinks. The USGS states that under current conditions, no particles from the TCE plume are removed by the SFWD wells. However, the USGS also discusses the uncertainties associated with their simulation model, and how differences in their estimates of the aquifer's physical parameters or changes in the current well usage pattern and pumping rates can affect or change their interpretation. For example, as of April 2017 the NYAW wells are not pumping, so the current conditions are very likely different than those depicted in the figure.

5.0 VOC MIGRATION RATES

Groundwater velocity rates (and the associated VOC plume advection rates) are estimated using hydraulic head (groundwater elevation) data collected from Northrop Grumman and NWIRP wells in 2017 and values of aquifer hydraulic conductivities from recent field studies. Plume migration rates may vary from the groundwater flow rates due to non-uniform flow pathways, dilution, area-wide pumping by supply wells, and targeted VOC mass removal from groundwater by remedial wells.

The migration of VOCs is dependent on several factors. On a microscopic scale, groundwater (and groundwater contaminants) moves through open pore spaces in saturated aquifer sediments comprised of gravel, sand, silt, and clay in response to elevation and/or pressure-head differences (i.e., hydraulic gradients) between two locations. Over large areas, the "average linear velocity" provides an estimate of how long it would take groundwater (and a non-reactive chemical) to move in an aquifer. Average linear velocity is computed using hydraulic conductivity, hydraulic gradient (determined from the groundwater contour maps), and effective porosity (i.e., specific yield).

Average linear velocity calculations are summarized in Table C-1. The effective porosity and hydraulic conductivity parameters are based on pumping test data collected from trials at Bethpage Water District Well 6-2 (Tetra Tech, 2014 and Resolution, 2016) and GM38 Area Hotspot Treatment System (OU2) (Tetra Tech, 2010). Hydraulic gradients are calculated from the regional groundwater flow maps presented in Figures 3-9 through 3-12.

The estimated groundwater velocities represent the project area south of Hempstead Turnpike and are calculated only for the 500 to 700 feet bgs and the greater than 700 feet bgs subsurface intervals. There are insufficient groundwater elevation data to calculate the gradients for the shallower intervals in this portion of the plume.

Because the hydraulic gradient varies throughout the year in response to seasonal fluctuation and groundwater pumping, two sets of calculations were performed for each of the two subsurface intervals. One calculation was performed for the May 2017 conditions (a time of lower pumping and lower hydraulic gradient) and the other calculation was performed for the September 2017 conditions (a time of higher pumping and higher hydraulic gradient). The largest difference in average linear velocities was between the subsurface intervals, while a smaller seasonal difference was noted within each interval. The velocities calculated for the 500 to 700 feet bgs interval ranged from 273 feet/year in the spring to 279 feet/year in the fall; the velocities calculated for the greater than 700 feet bgs interval ranged from 342 feet/year in the spring to 366 feet/year in the fall. The overall average linear velocity for the aquifer, combining both depth intervals and seasons, was 305 feet/year.

6.0 POTENTIAL FUTURE IMPACTS TO DRINKING WATER FACILITIES

The main body of this report discusses well fields currently impacted by VOCs associated with the former Northrop Grumman and NWIRP facilities, and also identifies those well fields equipped with treatment systems to remove the VOCs migrating or potentially migrating from the former Northrop Grumman and NWIRP facilities. This appendix discusses the potential future migration of the groundwater plume relative to the groundwater patterns that have been discussed.

This discussion focuses on the southern portion of the groundwater plume, or that area located generally south of Hempstead Turnpike, as impacts to wells located north of this area have already been addressed. The discussion also focuses on the 500 to 700 feet bgs and the greater than 700 feet bgs depth intervals, because these deeper intervals correspond with the zones of maximum water withdrawal in the southern area, and because to the south of Hempstead Turnpike there are an insufficient number of shallower data points to confidently contour.

The public water supplies that are currently not impacted by the groundwater plume but are relatively close to the downgradient edge of the plume are South Farmingdale Water District Well 1-4, and South Farmingdale Water District Well Nos. 6-1 and 6-2. These wells do not currently have treatment systems in place, but outpost monitoring wells were installed to provide early indication of when treatment might be necessary for each of these well fields. The outpost monitoring wells are placed at depths associated with the supply wells and are located between the plumes and the supply wells such that VOCs would have to flow through outpost monitoring wells several years prior to entering the public water supply wells. This advance notice of VOCs provides early warning that an action is needed.

As the various groundwater plumes move from the source areas and migrate to the south and southeast, they are undergoing dilution, and are affected by pumping and VOC mass removal systems that serve to weaken them. In addition, portions of these plumes are being intercepted by water supply wells with treatment that further hinder migration. Each of these actions reduces the intensity of the plumes. The result is that many of the water districts to the south may never be impacted, or if they are impacted, the effects from the plumes may not be seen for decades.

The effects on groundwater flow rates and directions created by the pumping of the supply wells located south of Hempstead Turnpike have been discussed. Figure 4-2 reproduces Figure 3-13 (the location of groundwater sinks as constructed from the regional groundwater flow maps), except that the downgradient location and extent of the TCE plume has been added and superimposed over the groundwater elevation contours. Figure C-6 reproduces Figure C-5 (the location of the groundwater sink as constructed from the synoptic transducer data), except that the downgradient location and extent of the TCE plume has similarly been added and superimposed over the groundwater elevation contours.

Under the interpretation depicted in Figure 4-2, the TCE plume extends into the northern sink (zone of contribution) created by the pumping of water supply wells SFWD 3-1 and NYAW -3S and -4S, where all (or some portion of it) is subsequently removed from the aquifer before it can migrate any further to the south. As discussed, these three supply wells are already equipped with treatment systems, which protects groundwater users. It is not known whether complete capture of the plume will occur within this sink, or whether (and how far to the south) the plume may migrate beyond the sink during the spring and winter, when SFWD 3-1 is largely inoperative. The observation that the plume is interpreted to be migrating towards the NYAW wells (which operate throughout the year) suggests that plume capture continues throughout the year.

Under the interpretation depicted in Figure C-6, the TCE plume extends into the large, united sink created by the pumping of SFWD 3-1 and NYAW -3S and -4S (which have treatment systems) and SFWD 6-1 and 6-2 (which do not have treatment systems). Because the greatest drawdown within the aquifer is recorded in the vicinity of the SFWD 6-1 and 6-2 wells, the potential exists for groundwater within the sink (including some portion of the TCE plume) to be withdrawn by these wells.

For the SFWD Plant 6, and based on site-specific hydrogeological calculations presented in Table C-1, groundwater could travel from the currently depicted edge of the OU2 plume to South Farmingdale Water District Wells 6-1 and 6-2 (a distance of about 2,800 feet) in approximately 7 years. As discussed however, plume migration would be hindered (and potentially prevented) by the operation of South Farmingdale Water District Plant 3 and New York American Water (both with VOC treatment), and it is unclear whether the plume would ever reach South Farmingdale Water District Wells 6-1 and 6-2. Because of the uncertainty with the groundwater flow interpretations and the uncertainty inherent in groundwater velocity calculations, outpost monitoring wells are in place to provide five-year advance notice so that installation of treatment at these supply wells can be initiated, if necessary.

For Massapequa Water District Wells 4 and 5, it is unclear whether the VOC plume could reach these wells due to the intervening groundwater sink caused by the pumping of the supply wells discussed above. One uncertainty concerns whether the pumping of the MWD wells contribute to and become part of the large groundwater sink, or are too distant to have an effect. There are insufficient empirical data to confirm either interpretation, and this well field is not part of the USGS flow simulation model. In addition though, operation of the RE108 Area Hotspot Treatment System would be expected to further limit mass flow of VOCs toward the South Farmingdale Water Districts and New York American Water District Plants, and thereby further limit mass flow toward Massapequa Water District.

Table C-1
Average Linear Groundwater Velocity Calculations
May 2017 (SPRING) and September 2017 (FALL) Groundwater Elevation Contours
Former NWIRP, Bethpage, New York

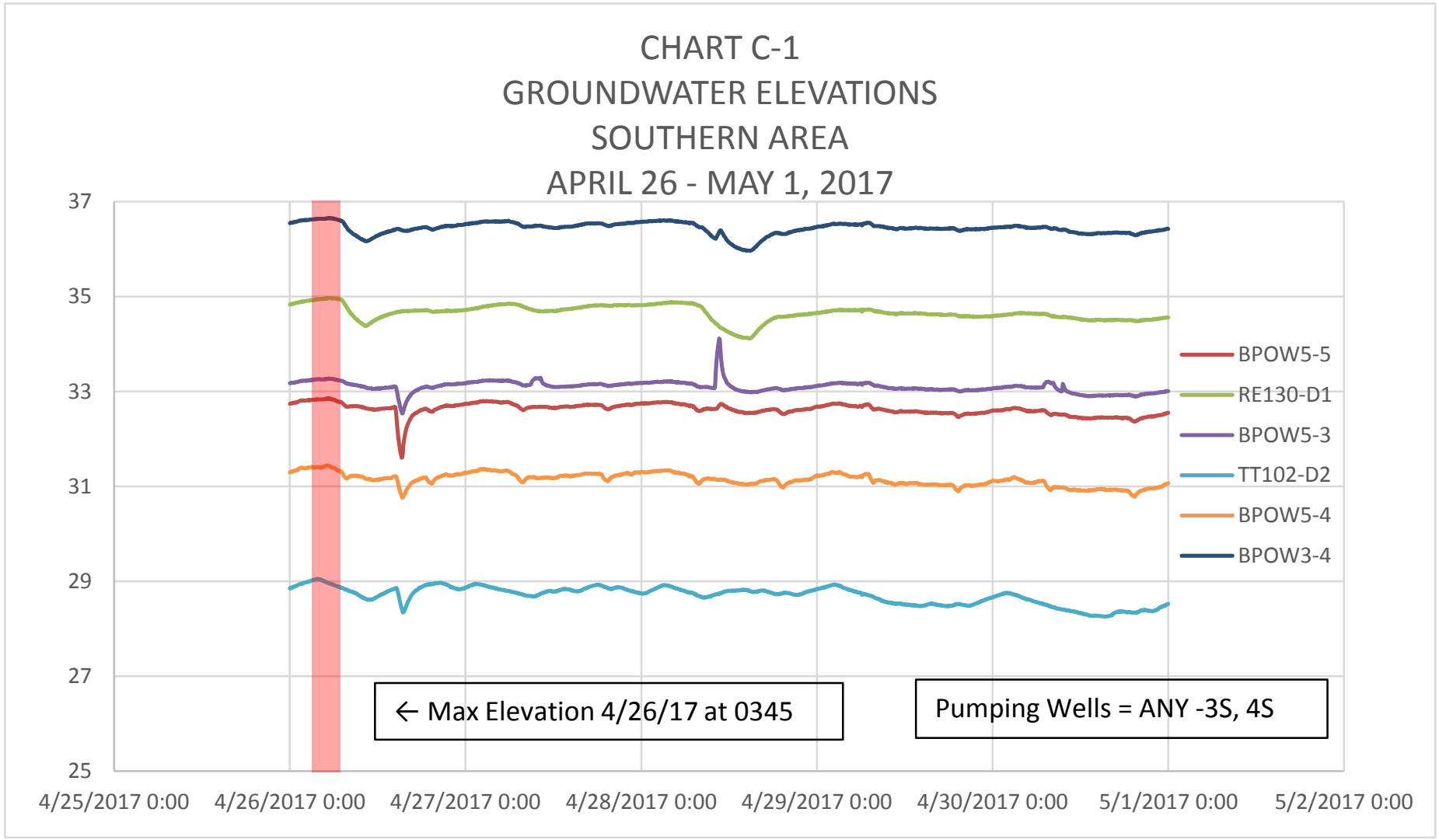
Aquifer Depth Interval: 500 to 700 feet SPRING								Aquifer Depth Interval: 500 to 700 feet FALL							Aquifer Depth Interval - 700 feet and below SPRING							Aquifer Depth Interval: 700 feet and below FALL						
Contour range on map (feet)	Measured distance between contours (feet)	Gradient (foot/foot)	Hydraulic conductivity (K) (feet/day)	Effective porosity (ft^3/ft^3)	Average linear velocity (feet/day)	Average annual velocity (feet/year)	Average of contour range (feet/year)	Measured distance between contours (feet)	Gradient (foot/foot)	Hydraulic conductivity (K) (feet/day)	Effective porosity (ft^3/ft^3)	Average linear velocity (feet/day)	Average annual velocity (feet/year)	Average of contour range (feet/year)	Measured distance between contours (feet)	Gradient (foot/foot)	Hydraulic conductivity (K) (feet/day)	Effective porosity (ft^3/ft^3)	Average linear velocity (feet/day)	Average annual velocity (feet/year)	Average of contour range (feet/year)	Measured distance between contours (feet)	Gradient (foot/foot)	Hydraulic conductivity (K) (feet/day)	Effective porosity (ft^3/ft^3)	Average linear velocity (feet/day)	Average annual velocity (feet/year)	Average of contour range (feet/year)
55-60																												
50-55																												
45-50	1920	0.002604	87	0.25	0.906250	330.78		2160	0.0023148	87	0.25	0.805556	294.03															
	2240	0.002232	87	0.25	0.776786	283.53		2680	0.0018657	87	0.25	0.649254	236.98															
	2480	0.00201613	87	0.25	0.701613	256.09		3200	0.0015625	87	0.25	0.543750	198.47															
							290.13							243.16															
40-45	2040	0.00245098	87	0.25	0.852941	311.32		1960	0.002551	87	0.25	0.887755	324.03															
	2360	0.00211864	87	0.25	0.737288	269.11		2360	0.0021186	87	0.25	0.737288	269.11															
	2440	0.00204918	87	0.25	0.713115	260.29		2600	0.0019231	87	0.25	0.669231	244.27															
							280.24							279.14															
35-40	1840	0.00271739	87	0.25	0.945652	345.16		1200	0.0041667	87	0.25	1.450000	529.25		2120	0.0023585	120	0.25	1.132075	413.21		2200	0.002273	120	0.25	1.090909	398.18	
	2400	0.00208333	87	0.25	0.725000	264.63		1720	0.002907	87	0.25	1.011628	369.24		2280	0.002193	120	0.25	1.052632	384.21		2320	0.002155	120	0.25	1.034483	377.59	
	2720	0.00183824	87	0.25	0.639706	233.49		2080	0.0024038	87	0.25	0.836538	305.34		2480	0.0020161	120	0.25	0.967742	353.23		2480	0.002016	120	0.25	0.967742	353.23	
							281.09							401.28							383.55							376.33
30-35	2400	0.00208333	87	0.25	0.725000	264.63		2200	0.002273	87	0.25	0.790909	288.68		2840	0.0017606	120	0.25	0.845070	308.45		2000	0.002500	120	0.25	1.200000	438.00	
	2200	0.00227273	87	0.25	0.790909	288.68		2480	0.002016	87	0.25	0.701613	256.09		2880	0.0017361	120	0.25	0.833333	304.17		2160	0.002315	120	0.25	1.111111	405.56	
	2120	0.00235849	87	0.25	0.820755	299.58		2800	0.001786	87	0.25	0.621429	226.82		2800	0.001786	120	0.25	0.857143	312.86		2280	0.002193	120	0.25	1.052632	384.21	
							284.29							257.20							308.49							409.26
25-30	2960	0.00168919	87	0.25	0.587838	214.56		3680	0.001359	87	0.25	0.472826	172.58		2600	0.00	120	0.25	0.923077	336.92		3320	0.001506	120	0.25	0.722892	263.86	
	2760	0.00181159	87	0.25	0.630435	230.11		3080	0.001623	87	0.25	0.564935	206.20		2640	0.00	120	0.25	0.909091	331.82		2880	0.001736	120	0.25	0.833333	304.17	
	2600	0.00192308	87	0.25	0.669231	244.27		2400	0.002083	87	0.25	0.725000	264.63		2600	0.00	120	0.25	0.923077	336.92		2400	0.002083	120	0.25	1.000000	365.00	
							229.65							214.47							335.22							311.01
Average						273.08	273.08						279.05	279.05						342.42	342.42						365.53	365.53
Minimum						214.56							172.58							304.17							263.86	
Maximum						345.16							529.25							413.21							438.00	

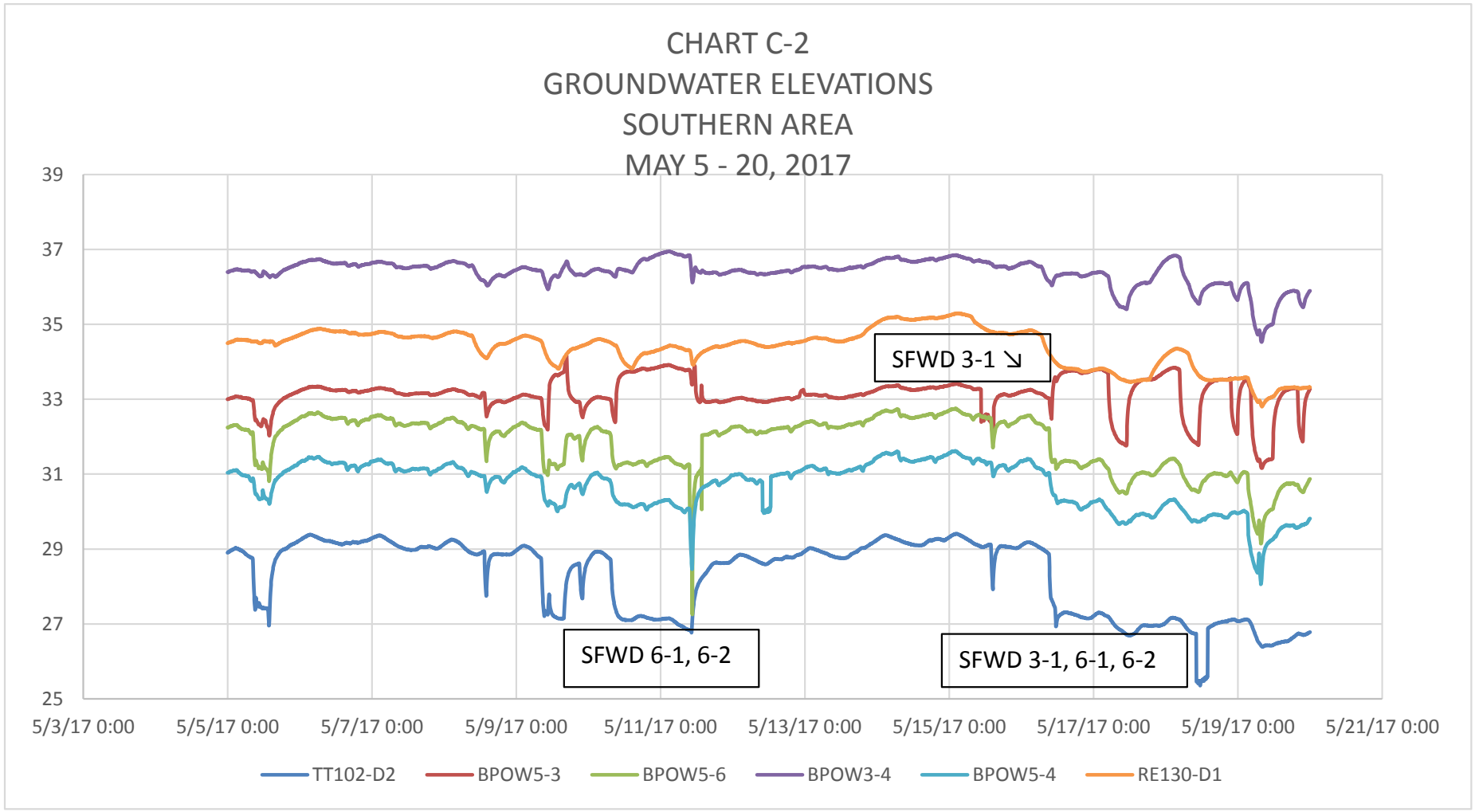
Input Parameters by Aquifer Depth		
K 500-700 =	87	ft/day
n 500-700 =	0.25	ft^3/ft^3
K GT 700 =	120	ft/day
n GT 700 =	0.25	ft^3/ft^3

Overall average linear velocity (all aquifer depths combined)

Average =	305.28	ft/year
Minimum =	172.58	ft/year
Maximum =	529.25	ft/year

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CHART C-1
GROUNDWATER ELEVATIONS
SOUTHERN AREA
APRIL 26 - MAY 1, 2017
37
35
33
31
29
27
25
4/25/2017 0:00
4/26/2017 0:00
4/27/2017 0:00
4/28/2017 0:00
4/29/2017 0:00
4/30/2017 0:00
5/1/2017 0:00
5/2/2017 0:00
BPOW5-5
RE130-D1
BPOW5-3
TT102-D2
BPOW5-4
BPOW3-4
← Max Elevation 4/26/17 at 0345
Pumping Wells = ANY -3S, 4S


CHART C-2
GROUNDWATER ELEVATIONS
SOUTHERN AREA
MAY 5 - 20, 2017
39
37
35
33
31
29
27
25
5/3/17 0:00
5/5/17 0:00
5/7/17 0:00
5/9/17 0:00
5/11/17 0:00
5/13/17 0:00
5/15/17 0:00
5/17/17 0:00
5/19/17 0:00
5/21/17 0:00
SFWD 3-1 ↘
SFWD 6-1, 6-2
SFWD 3-1, 6-1, 6-2
TT102-D2
BPOW5-3
BPOW5-6
BPOW3-4
BPOW5-4
RE130-D1

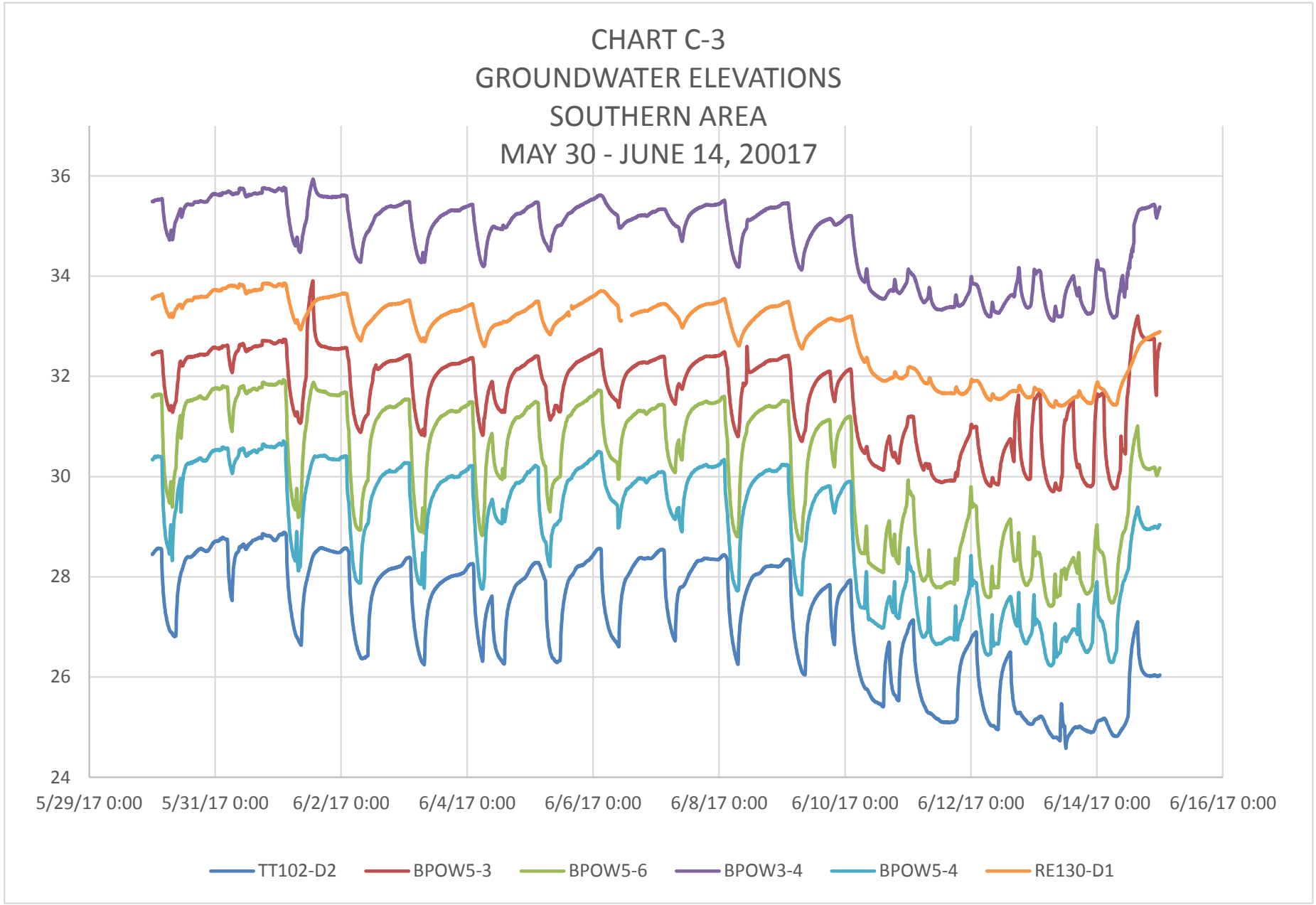
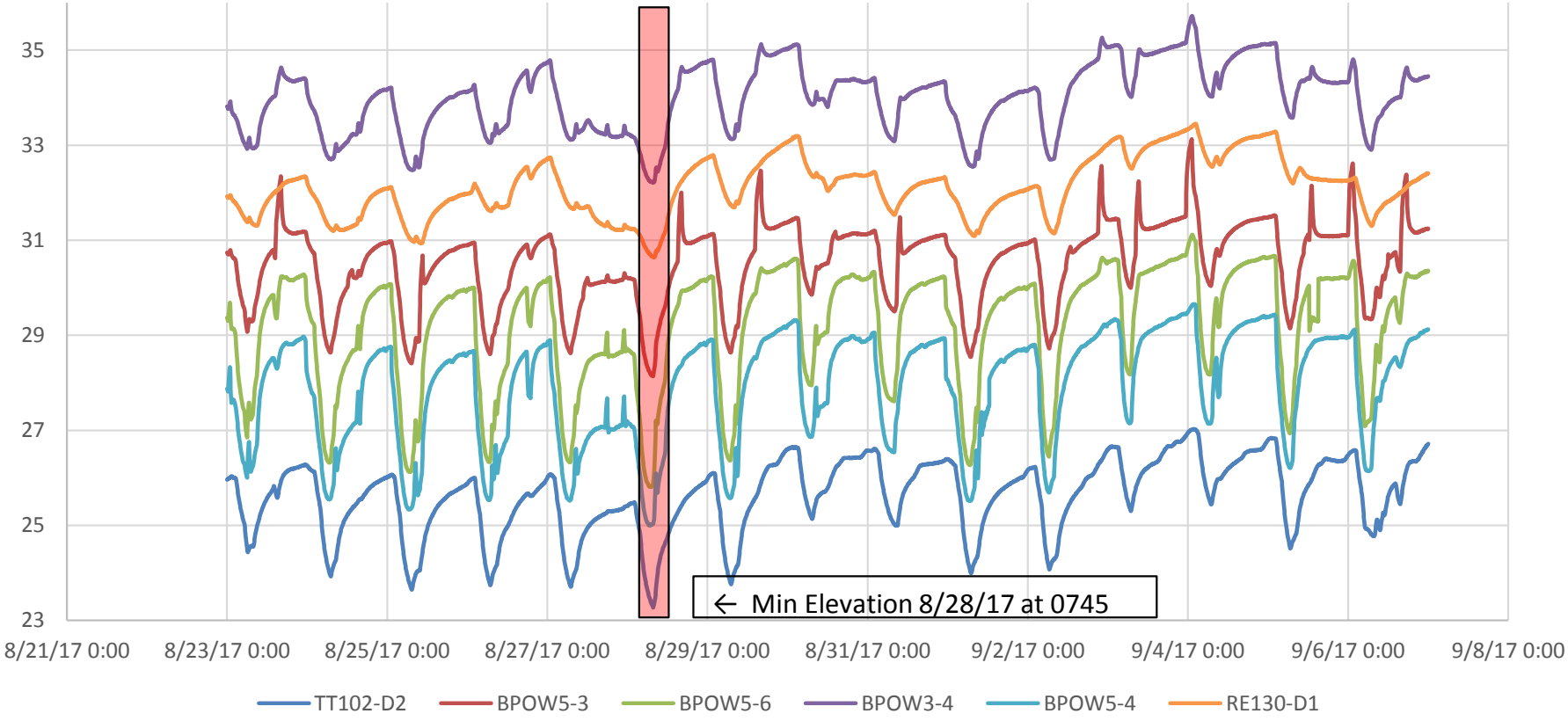
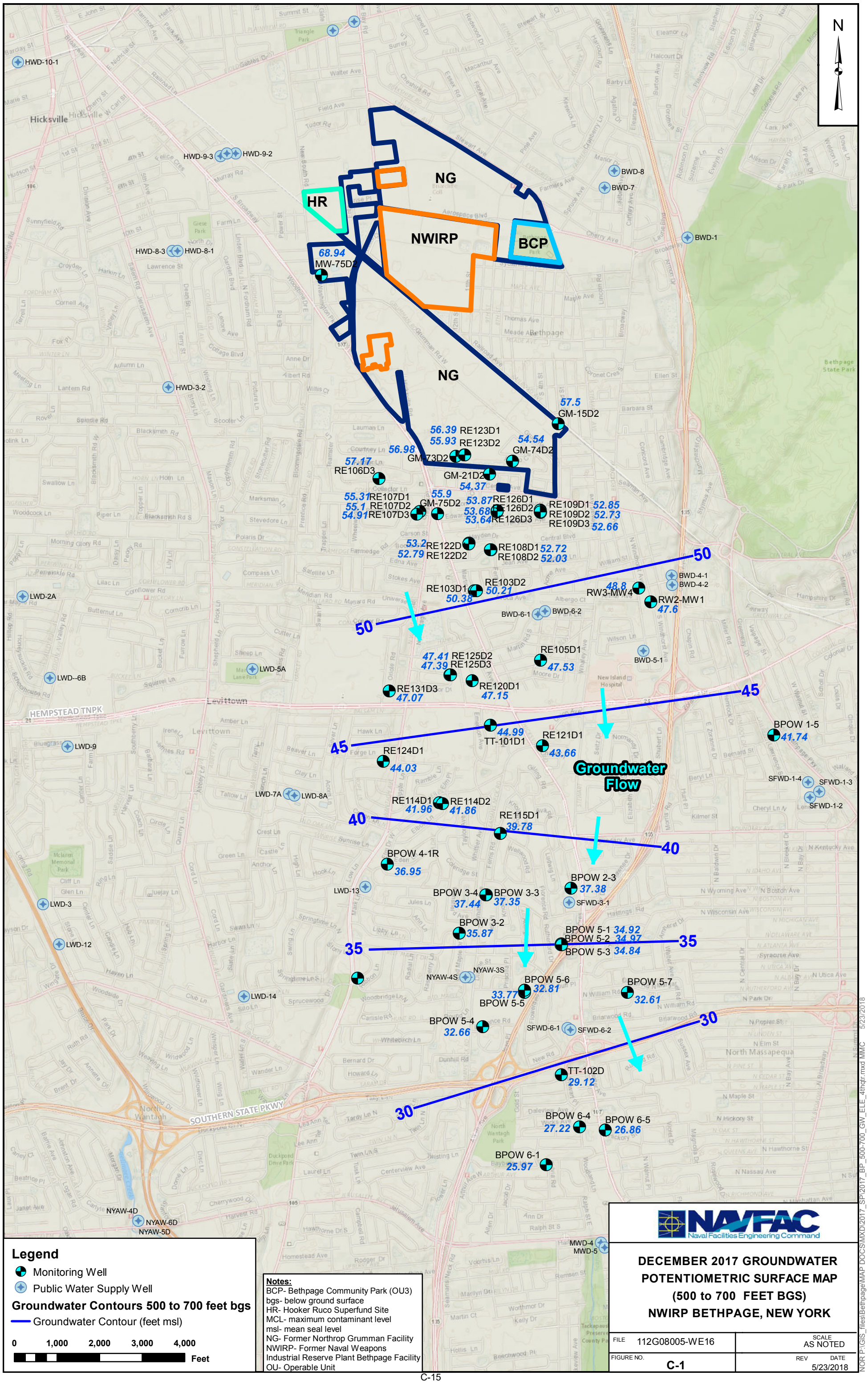
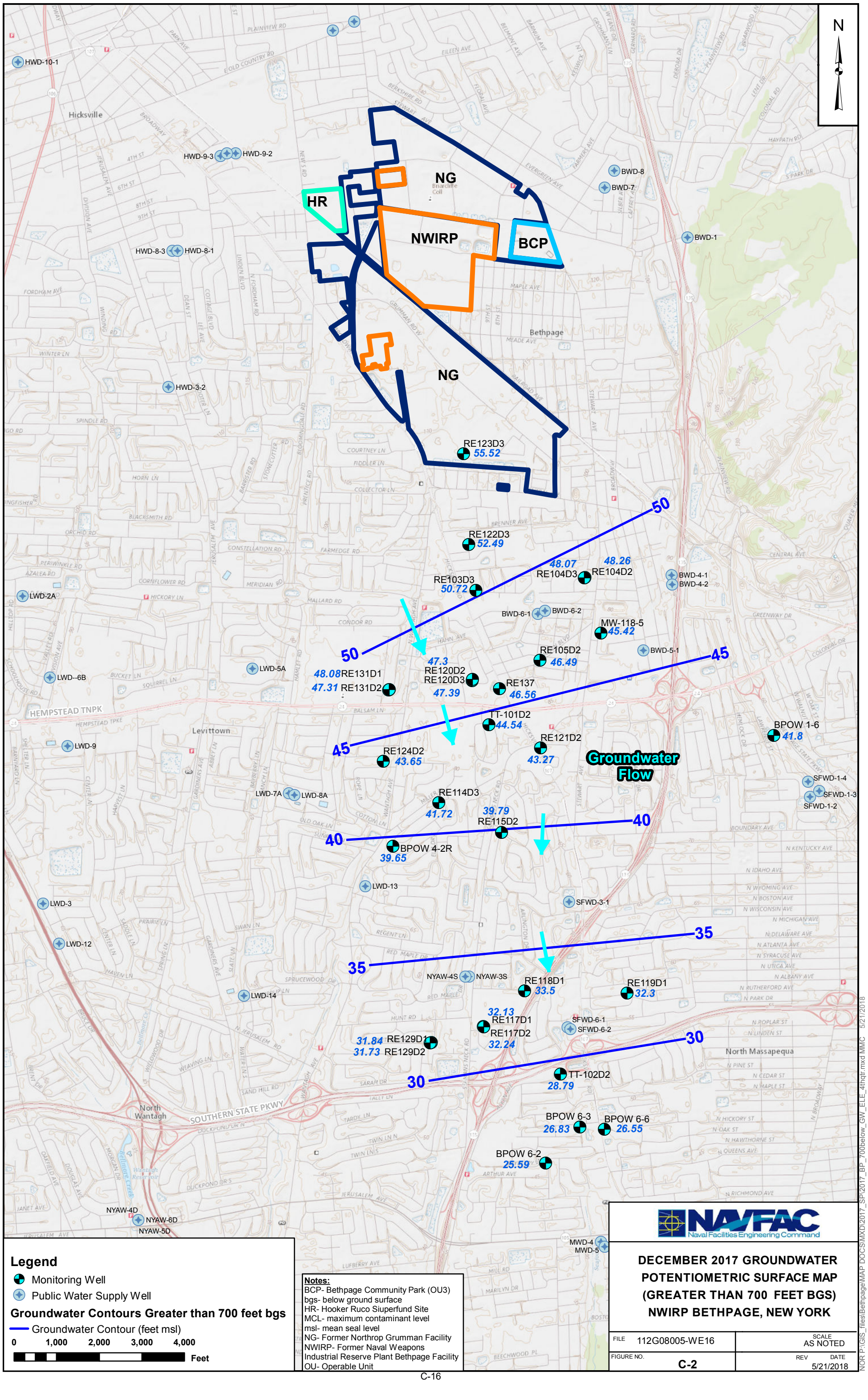

CHART C-3
GROUNDWATER ELEVATIONS
SOUTHERN AREA
MAY 30 - JUNE 14, 20017
36
34
32
30
28
26
24
5/29/17 0:00
5/31/17 0:00
6/2/17 0:00
6/4/17 0:00
6/6/17 0:00
6/8/17 0:00
6/10/17 0:00
6/12/17 0:00
6/14/17 0:00
6/16/17 0:00
TT102-D2
BPOW5-3
BPOW5-6
BPOW3-4
BPOW5-4
RE130-D1

CHART C-4
GROUNDWATER ELEVATIONS
SOUTHERN AREA
AUGUST 23 - SEPTEMBER 6, 2017




N
NG
HR
NWIRP
BCP
NG
68.94
MW-75D2
57.5
GM-15D2
56.39 RE123D1
55.93 RE123D2
54.54
GM-74D2
56.98
GM-73D2
57.17
RE106D3
GM-21D2
54.37
55.31 RE107D1
55.1 RE107D2
54.91 RE107D3
55.9
GM-75D2
53.87 RE126D1
53.68 RE126D2
53.64 RE126D3
RE109D1 52.85
RE109D2 52.73
RE109D3 52.66
53.2 RE122D
52.79 RE122D2
RE108D1 52.72
RE108D2 52.03
RE103D1
50.38
RE103D2
50.21
48.8
RW3-MW4
RW2-MW1
47.6
50
50
47.41 RE125D2
47.39 RE125D3
RE105D1
47.53
RE131D3
47.07
RE120D1
47.15
45
45
44.99
TT-101D1
RE121D1
43.66
RE124D1
44.03
BPOW 1-5
41.74
Groundwater Flow
RE114D1 41.96
RE114D2 41.86
RE115D1
39.78
40
40
BPOW 4-1R
36.95
BPOW 2-3
37.38
BPOW 3-4
37.44
BPOW 3-3
37.35
BPOW 3-2
35.87
BPOW 5-1 34.92
BPOW 5-2 34.97
BPOW 5-3 34.84
35
35
BPOW 5-6
32.81
33.77
BPOW 5-5
BPOW 5-7
32.61
BPOW 5-4
32.66
30
30
TT-102D
29.12
BPOW 6-4
27.22
BPOW 6-5
26.86
BPOW 6-1
25.97
HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
LWD-2A
LWD--6B
LWD-5A
LWD-9
LWD-7A
LWD-8A
LWD-3
LWD-12
LWD-13
LWD-14
NYAW-3S
NYAW-4S
NYAW-4D
NYAW-6D
NYAW-5D
SFWD-1-4
SFWD-1-3
SFWD-1-2
SFWD-3-1
SFWD-6-1
SFWD-6-2
MWD-4
MWD-5
Hicksville
Levittown
North Massapequa
North Wantagh
Bethpage
HEMPSTEAD TNPK
SOUTHERN STATE PKWY
Legend
Monitoring Well
Public Water Supply Well
Groundwater Contours 500 to 700 feet bgs
Groundwater Contour (feet msl)
0 1,000 2,000 3,000 4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
NAVFAC
Naval Facilities Engineering Command
DECEMBER 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP
(500 to 700 FEET BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE16
SCALE AS NOTED
FIGURE NO. C-1
REV DATE 5/23/2018
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\2017_BP_500-700_GW_ELE_4thqtr.mxd MMC 5/23/2018


N
HWD-10-1
Hicksville
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
NG
HR
NWIRP
BCP
NG
BWD-8
BWD-7
BWD-1
Bethpage
RE123D3
55.52
RE122D3
52.49
RE103D3
50.72
48.07
RE104D3
48.26
RE104D2
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
MW-118-5
45.42
RE105D2
46.49
BWD-5-1
LWD-2A
LWD--6B
LWD-5A
48.08
RE131D1
47.31
RE131D2
47.3
RE120D2
RE120D3
47.39
RE137
46.56
TT-101D2
44.54
BPOW 1-6
41.8
LWD-9
RE124D2
43.65
RE121D2
43.27
Groundwater Flow
LWD-7A
LWD-8A
RE114D3
41.72
39.79
RE115D2
SFWD-1-4
SFWD-1-3
SFWD-1-2
BPOW 4-2R
39.65
LWD-13
LWD-3
SFWD-3-1
LWD-12
LWD-14
NYAW-4S
NYAW-3S
RE118D1
33.5
RE119D1
32.3
32.13
RE117D1
RE117D2
32.24
SFWD-6-1
SFWD-6-2
31.84
RE129D1
31.73
RE129D2
North Massapequa
TT-102D2
28.79
BPOW 6-3
26.83
BPOW 6-6
26.55
BPOW 6-2
25.59
North Wantagh
NYAW-4D
NYAW-6D
NYAW-5D
MWD-4
MWD-5
50
45
40
35
30
HEMPSTEAD TNPK
SOUTHERN STATE PKWY
Levittown
Legend
Monitoring Well
Public Water Supply Well
Groundwater Contours Greater than 700 feet bgs
Groundwater Contour (feet msl)
0 1,000 2,000 3,000 4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Siuperfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
NAVFAC
Naval Facilities Engineering Command
DECEMBER 2017 GROUNDWATER POTENTIOMETRIC SURFACE MAP (GREATER THAN 700 FEET BGS) NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE16
SCALE AS NOTED
FIGURE NO. C-2
REV
DATE 5/21/2018
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\2017_BP_700below_GW_ELE_4thqtr.mxd MMC 5/21/2018

N

HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
LWD-2A
LWD--6B
LWD-5A
LWD-9
LWD-7A
LWD-8A
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
LWD-3
LWD-12
LWD-13
LWD-14
SFWD-3-1
SFWD-1-4
SFWD-1-3
SFWD-1-2
SFWD-6-1
SFWD-6-2
NYAW-4D
NYAW-6D
NYAW-5D
NYAW-4S
NYAW-3S
MWD-4
MWD-5

HR
NG
NWIRP
BCP
NG

RE114D2
42.01

BPOW 3-4
36.64

RE130D2
35.02

BPOW 5-1
33.66

BPOW 5-6
32.83

BPOW 5-7
32.95

BPOW 5-4
31.44

TT-102D
29.41

36
35
34
33
32
31
30

Hicksville
Levittown
Bethpage
North Massapequa
North Wantagh

Legend

- Monitoring Well
- Public Water Supply Well

Groundwater Contours 500 to 700 feet bgs

- Groundwater Contour (feet msl)

0 1,000 2,000 3,000 4,000 Feet

Notes:

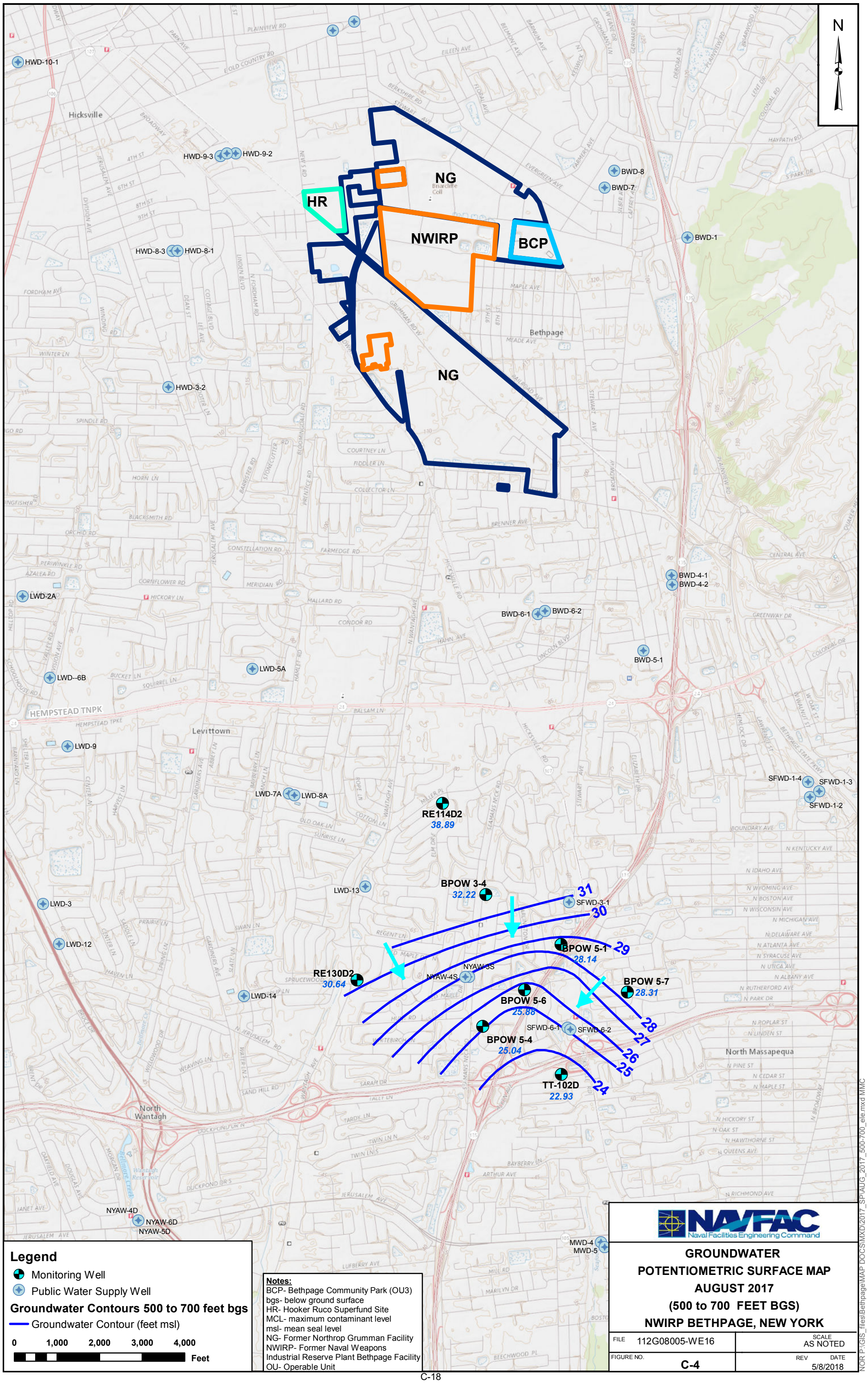
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit

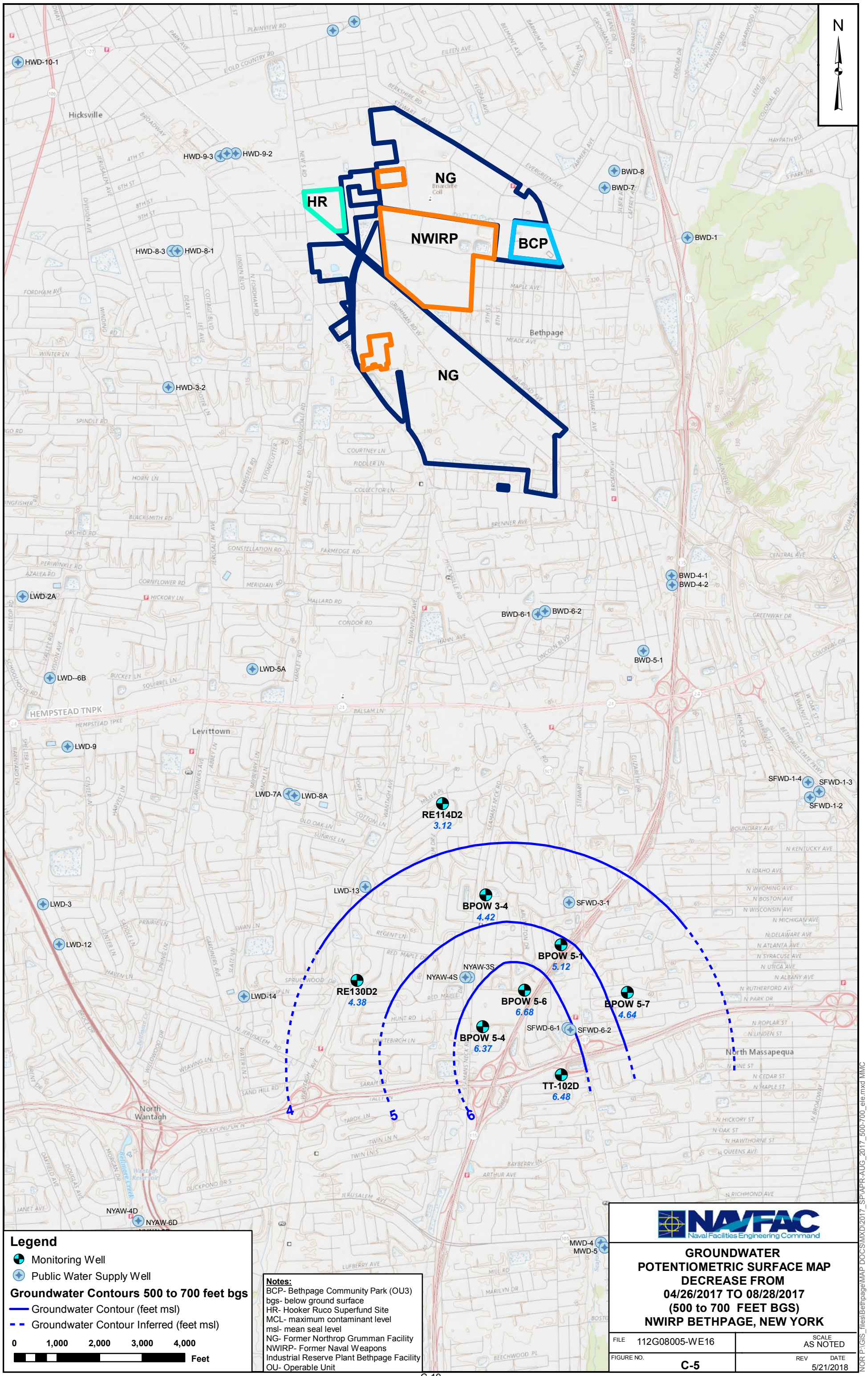
NAVFAC Naval Facilities Engineering Command

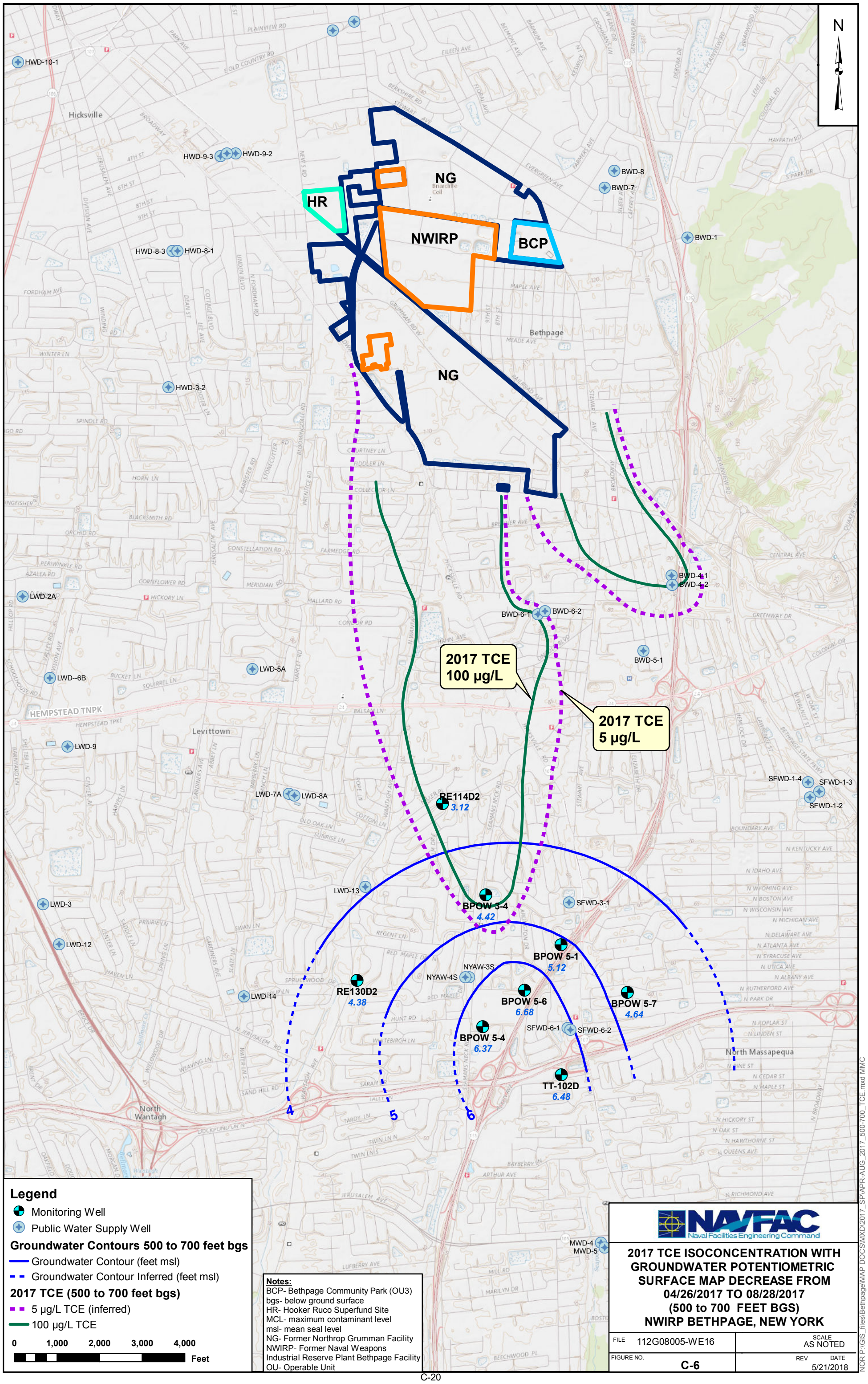
GROUNDWATER POTENTIOMETRIC SURFACE MAP APRIL 2017 (500 to 700 FEET BGS) NWIRP BETHPAGE, NEW YORK

FILE	SCALE
112G08005-WE16	AS NOTED
FIGURE NO.	REV / DATE
C-3	5/21/2018

NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\April_2017_500-700_ele.mxd MMC


N
HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
LWD-2A
LWD--6B
LWD-5A
LWD-9
LWD-7A
LWD-8A
LWD-13
LWD-3
LWD-12
LWD-14
SFWD-1-4
SFWD-1-3
SFWD-1-2
SFWD-3-1
SFWD-6-1
SFWD-6-2
NYAW-4D
NYAW-6D
NYAW-5D
NYAW-4S
NYAW-3S
MWD-4
MWD-5
HR
NG
NWIRP
BCP
NG
RE114D2
38.89
BPOW 3-4
32.22
BPOW 5-1
28.14
BPOW 5-7
28.31
BPOW 5-6
25.88
BPOW 5-4
25.04
RE130D2
30.64
TT-102D
22.93
31
30
29
28
27
26
25
24
Hicksville
Bethpage
Levittown
North Wantagh
North Massapequa
HEMPSTEAD TNPK
Legend
Monitoring Well
Public Water Supply Well
Groundwater Contours 500 to 700 feet bgs
Groundwater Contour (feet msl)
0 1,000 2,000 3,000 4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons
Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
NAVFAC
Naval Facilities Engineering Command
GROUNDWATER
POTENTIOMETRIC SURFACE MAP
AUGUST 2017
(500 to 700 FEET BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE16
SCALE AS NOTED
FIGURE NO. C-4
REV
DATE 5/8/2018
N:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\AUG_2017_500-700_ele.mxd MMC


N
HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
NG
HR
NWIRP
BCP
NG
Hicksville
Bethpage
Levittown
North Massapequa
North Wantagh
HEMPSTEAD TNPK
LWD-2A
LWD--6B
LWD-9
LWD-3
LWD-12
LWD-5A
LWD-7A
LWD-8A
LWD-13
LWD-14
NYAW-4D
NYAW-6D
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
SFWD-1-4
SFWD-1-3
SFWD-1-2
SFWD-3-1
SFWD-6-1
SFWD-6-2
NYAW-3S
NYAW-4S
MWD-4
MWD-5
RE114D2
3.12
BPOW 3-4
4.42
BPOW 5-1
5.12
RE130D2
4.38
BPOW 5-6
6.68
BPOW 5-7
4.64
BPOW 5-4
6.37
TT-102D
6.48
4
5
6
Legend
Monitoring Well
Public Water Supply Well
Groundwater Contours 500 to 700 feet bgs
Groundwater Contour (feet msl)
Groundwater Contour Inferred (feet msl)
0 1,000 2,000 3,000 4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
NAVFAC
Naval Facilities Engineering Command
GROUNDWATER
POTENTIOMETRIC SURFACE MAP
DECREASE FROM
04/26/2017 TO 08/28/2017
(500 to 700 FEET BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE16
SCALE AS NOTED
FIGURE NO. C-5
REV DATE 5/21/2018
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SPVAPR-AUG_2017_500-700_ele.mxd MMC


N
NG
HR
NWIRP
BCP
NG
2017 TCE
100 µg/L
2017 TCE
5 µg/L
HWD-10-1
HWD-9-3
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
BWD-4-1
BWD-4-2
BWD-6-1
BWD-6-2
BWD-5-1
LWD-2A
LWD--6B
LWD-5A
LWD-9
LWD-7A
LWD-8A
LWD-13
LWD-3
LWD-12
LWD-14
SFWD-1-4
SFWD-1-3
SFWD-1-2
SFWD-3-1
SFWD-6-1
SFWD-6-2
MWD-4
MWD-5
RE114D2
3.12
BPOW 3-4
4.42
BPOW 5-1
5.12
BPOW 5-6
6.68
BPOW 5-7
4.64
BPOW 5-4
6.37
RE130D2
4.38
TT-102D
6.48
NYAW-3S
NYAW-4S
Hicksville
Levittown
Bethpage
North Massapequa
North Wantagh
HEMPSTEAD TNPK
4
5
6
Legend
Monitoring Well
Public Water Supply Well
Groundwater Contours 500 to 700 feet bgs
Groundwater Contour (feet msl)
Groundwater Contour Inferred (feet msl)
2017 TCE (500 to 700 feet bgs)
5 µg/L TCE (inferred)
100 µg/L TCE
0
1,000
2,000
3,000
4,000
Feet
Notes:
BCP- Bethpage Community Park (OU3)
bgs- below ground surface
HR- Hooker Ruco Superfund Site
MCL- maximum contaminant level
msl- mean seal level
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons
Industrial Reserve Plant Bethpage Facility
OU- Operable Unit
NAVFAC
Naval Facilities Engineering Command
2017 TCE ISOCONCENTRATION WITH
GROUNDWATER POTENTIOMETRIC
SURFACE MAP DECREASE FROM
04/26/2017 TO 08/28/2017
(500 to 700 FEET BGS)
NWIRP BETHPAGE, NEW YORK
FILE 112G08005-WE16
SCALE AS NOTED
FIGURE NO. C-6
REV
DATE 5/21/2018
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\2017_SP\APR-AUG_2017_500-700_TCE.mxd MMC