2015-2016 OU2 GROUNDWATER INVESTIGATION DATA SUMMARY REPORT VPB163

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

September 2016

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DATA SUMMARY REPORT
VPB163

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Department of the Navy
Naval Facilities Engineering Command, Atlantic
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Contract Number: N62470-11-D-8013
CTO WE15

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Brian Caldwell
Contract Task Order Manager

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List of Acronyms and Abbreviations

AOC	Area of Concern
bgs	below ground surface
COR	Continuously Operating Reference
DoD	Department of Defense
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency, United States
ft	feet
GOCO	Government-Owned Contractor-Operated
GPS	Global Positioning System
IDW	Investigation Derived Waste
IR	Installation Restoration
Katahdin	Katahdin Analytical Services
NAD	North American Datum
NAVD	North American Vertical Datum
NAVFAC	Naval Facilities Engineering Command
NG	Northrop Grumman
NWIRP	Naval Weapons Industrial Reserve Plant
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
OU	Operable Unit
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PID	Photoionization Detector
POTW	Publicly Owned Treatment Works
PPE	Personal Protective Equipment
SAP	Sampling and Analysis Plan
SVOC	Semivolatile Organic Compounds
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
UFP	United Federal Programs
VOC	Volatile Organic Compounds
VPB	Vertical Profile Boring

1.0 PROJECT BACKGROUND

Resolution Consultants has prepared this Data Summary Report for the Naval Facilities Engineering Command (NAVFAC), Mid-Atlantic under contract task order WE15 Contract N62470-11-D-8013. This report describes vertical profile boring (VPB) installation activities (specifically at the VPB163 location) in 2015 and 2016 for the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Operable Unit (OU) 2 Site 1 offsite plume. NWIRP Bethpage is located in east-central Nassau County, Long Island, New York, approximately 30 miles east of New York City (Figure 1).

1.1 Scope and Objectives

This data summary report provides information on the installation of VPB163. The purpose of the VPB163 investigation was to ascertain subsurface conditions and contaminant levels and the western extent of the offsite plume south of Hempstead Turnpike and west of Seaman's Neck Road. VPB locations within the general vicinity of VPB163 are shown in Figure 2. VPB163 was completed to 990 feet (ft) below ground surface (bgs).

Field tasks were conducted in 2015 and 2016in accordance with the *United Federal Programs Sampling and Analysis Plan (UFP SAP)*, Bethpage, New York (Resolution Consultants, 2013a) and the *UFP SAP Addendum Installation of Vertical Profile Borings and Monitoring Wells* (Resolution Consultants, 2013b). The field investigation included completing one vertical profile boring, groundwater grab samples, geophysical logging, and surveying.

Documentation of these activities is included in Appendix A of this report.

1.2 Site History

NWIRP Bethpage is in the Hamlet of Bethpage, Town of Oyster Bay, New York. Since its inception in 1941, the plant's primary mission was the research, prototyping, testing, design, engineering, fabrication, and primary assembly of military aircraft. The facilities at NWIRP 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, the Industrial Wastewater Treatment Plant, and several smaller support buildings.

The Navy's property originally totaled 109.5 acres and was formerly a Government-Owned Contractor-Operated (GOCO) facility that was operated by Northrop Grumman (NG) until September 1998. Prior to 2002, the NWIRP property was bordered on the north, west, and south by current or former NG facilities, and on the east by a residential neighborhood. By March 2008,

approximately 100 acres of NWIRP property were transferred to Nassau County in three separate actions. The remaining 9 acres and access easements were retained by the Navy to continue remedial efforts at Installation Restoration (IR) Site 1 – Former Drum Marshalling Area and Site 4 – Former Underground Storage Tanks (Area of Concern [AOC] 22). A parcel of land connecting the two sites was also retained. Currently, the 9-acre parcel of NWIRP is bordered on the east by a residential neighborhood and on the north, south, and west by Steel Equities; however, a small portion near Sites 2 and 3 is still owned by Nassau County. Access to the NWIRP is from South Oyster Bay Road.

1.3 Geology and Hydrogeology

Overburden at the site consists of well over 1,000 ft of unconsolidated deposits overlying crystalline bedrock of the Hartland Formation. Overburden is divided into four geologic units: the upper Pleistocene deposits, the Magothy Formation, the clay member of the Raritan Formation ("Raritan Clay") and the Lloyd Sand member of the Raritan Formation ("Lloyd Sand") (Geraghty and Miller, 1994).

The upper Pleistocene ranges in thickness from approximately 50 to 100 ft and consists of till and outwash deposits of medium to coarse sand and gravel with lenses of fine sand, silt and clay (Smolensky and Feldman, 1990); these deposits form the Upper Glacial Aquifer. Directly underlying this unit is the Magothy Formation with a thickness of 650 to 900 ft that extends to a depth of 700 to 1,000 ft bgs, as observed at the former NWIRP and extending southeast to areas south of Southern State Parkway. Locally at VPB163, the bottom of the Magothy (top of the Raritan Clay) is encountered at approximately 973 ft bgs. The Magothy is characterized by fine to medium sands and silts interbedded with zones of clays, silty sands and sandy clays. Sand and gravel lenses are found in some areas between depths of 600 and 880 ft bgs; these deposits form the main producing zones of the Magothy Aquifer.

Investigations performed by the Navy since 2012 indicate that the bottom of the Magothy (top of the Raritan Clay) can extend to depths of 700 to greater than 1,000 ft bgs. The top of the Raritan Clay deepens to the south-southeast, as evidenced by clay depths of 1,000 ft bgs (or more) in borings installed offsite. The Raritan Clay Unit is of continental origin and consists of clay, silty clay, clayey silt, and fine silty sand. This member acts as a confining layer over the Lloyd Sand Unit. The Lloyd Sand Unit is also of continental origin, having been deposited in a large fresh water lacustrine environment. The material consists of fine to coarse-grained sands, gravel, inter-bedded clay, and silty sand. These deposits form the Lloyd Aquifer.

The Upper Glacial Aquifer and the Magothy Aquifer comprise the aquifers of interest at the NWIRP. Regionally, these formations are generally considered to form a common, interconnected aquifer as the coarse nature of each unit near their contact and the lack of any regionally confining clay unit allows for the unrestricted flow of groundwater between the formations.

The Magothy Aquifer is the major source of public water in Nassau County. The most productive water bearing zones are the discontinuous lenses of sand and gravel that occur within the siltier matrix. The major water-bearing zones are coarse sand and gravel lenses located in the lower portion of the Magothy. The Magothy Aquifer is commonly regarded to function overall as an unconfined aquifer at shallow depths and a confined aquifer at deeper depths. The drilling program at the NWIRP has revealed that clay zones beneath the facility are common but laterally discontinuous. No confining clay units of facility-wide extent have been encountered. This is also the case for borings installed offsite.

Groundwater is encountered at a depth of approximately 50 ft bgs at the facility. Historically, because of pumping and recharge at the facility, groundwater depths have been measured to range from 40 to 60 ft bgs. The groundwater flow in the area is to the south-southeast.

2.0 FIELD PROGRAM

Field investigation activities at VPB163 consisted of drilling, sampling, soil/groundwater analysis, geophysical logging, and surveying. Drilling during this investigation was performed by Delta Well and Pump Company of Ronkonkoma, New York. A description of these tasks is provided below.

2.1 Vertical Profile Borings

One vertical profile boring (VPB163) was completed during this field effort between December 4, 2015 and February 5, 2016. The total depth of VPB163 was 990 ft. The location is shown in Figure 2 and details are summarized in Table 1.

2.1.1 Drilling

VPB163 was installed by setting a 10-inch diameter casing to 53.5 ft bgs and then setting an 8-inch diameter casing inside the 10-inch casing to 118 ft bgs. Finally an 8-inch diameter hole was drilled using mud rotary drilling techniques. Drilling mud consisted of potable water and polymer-free sodium bentonite or equivalent material. Drilling mud was contained and re-circulated in baffled, high capacity mud tubs. A sand separator was used intermittently to remove fines from circulation.

2.1.2 Sampling

A total of seven split spoon samples were collected from ground surface to the bottom of the boring. A change in geology was observed by the field geologist at 973 ft bgs and three split spoon samples were subsequently collected to confirm the presence of the Raritan Clay. Samples were logged by the field geologist and screened for Volatile Organic Compounds (VOCs) utilizing a photoionization detector (PID). A detailed boring log for VPB163 is included in Appendix A.

Groundwater grab samples were collected every 50 ft for the first 200 ft of borehole depth. After the first 200 ft, groundwater grab samples were collected approximately every 20 ft until the boring terminated in the Raritan. Groundwater grab samples were collected with a hydropunch sampler and analyzed for VOCs using Environmental Protection Agency (EPA) Method 8260C. The groundwater grab samples were analyzed by Katahdin Analytical Services (Katahdin), a Department of Defense (DoD), Environmental Laboratory Accreditation Program (ELAP), and New York State Department of Environmental Conservation (NYSDEC)-certified laboratory. During the collection of groundwater grab samples, field parameters were measured (pH, temperature, specific conductivity, oxidation reduction potential, dissolved oxygen, and turbidity). Data validation was performed by Resolution Consultants. Groundwater grab sample logs, data validation packages, and analytical data tables are included in Appendix A.

Three groundwater grab samples collected at 278, 298 and 318 ft bgs were not analyzed due to lab errors. To capture the data at this location, groundwater grab samples were collected while drilling the monitoring well paired with VPB163 (RE129D2) at 278, 298 and 318 ft bgs. Results are included on the VPB163 Gamma and PCE/TCE plot in Appendix A. Grab sample logs, data validation and analytical data tables are included in the Resolution Report: *2016 OU2 Groundwater Investigation RE129D1, RE129D2 (VPB163) Installation Report* (Resolution Consultants, 2016).

One soil sample was collected for laboratory analysis for total organic carbon (TOC) by EPA series SW-846 method 9060A. During drilling, air sampling was conducted under a Community Air Monitoring Plan. One air sample was collected using a Summa canister and submitted for laboratory analysis by EPA Method TO-15. All analyses were performed or sub-contracted by Katahdin. Data validation of both TOC and air data was performed by Resolution Consultants. Data validation packages and analytical data tables are included in Appendix A.

2.1.3 Geophysics

Borehole geophysical logs (gamma) were recorded after the borehole was drilled but prior to the removal of drill rods. A Mount Sopris Instrument model 2PGA-100 poly gamma was used. Starting at the top of the hole, the probe was advanced at a maximum rate of 12 ft per minute. A copy of the log was printed in the field for review once the probe reached the bottom of the borehole. The instrument was then raised to the top of the boring and a second log was generated and printed in the field. The down hole gamma log sheets and plots comparing the gamma log with trichloroethene (TCE) and tetrachloroethene (PCE) concentrations from hydropunch samples are included in Appendix A.

2.2 Decontamination and Investigation Derived Waste (IDW)

Resolution Consultants utilized dedicated and disposable sampling equipment when possible to avoid the potential for cross-contamination of samples. The sampling equipment included dedicated plastic scoops, disposable Teflon or polyethylene tubing, disposable gloves, and laboratory supplied sample bottles. Hand held equipment, split spoons, and the hydropunch were decontaminated using Liquinox and water wash, a potable water rinse, followed by a distilled water rinse. Water was collected in 5-gallon pails or 55-gallon drums.

As part of the IDW management practices and in accordance with the SAP, the investigation waste (consisting of soil cuttings, drilling muds, IDW fluids, and personal protective equipment [PPE]) generated during the boring installation was containerized and staged at NWIRP Bethpage. IDW

solids were characterized and disposed of properly. Representative samples from each roll off were submitted to Katahdin for analysis of:

- Target Compound List (TCL) VOCs
- TCL Semi-volatile Organic Compounds (SVOCs)
- Toxicity Characteristic Leaching Procedure (TCLP) Metals
- Polychlorinated Biphenyls (PCBs)
- Total petroleum hydrocarbons
- Corrosivity
- Ignitability
- Reactive Cyanide
- Reactive Sulfide
- Paint Filter

IDW water was containerized in frac tanks and stored at NWIRP Bethpage for characterization and ultimate disposal to the Publicly Owned Treatment Works (POTW), in accordance with the facilities existing discharge permit. A representative water sample was collected from each frac tank and submitted to Katahdin for analysis of VOCs via Method SW 624, pH via Method SW 9040B, PCBs via Method 8082 and Total Metals via Method SW 846. To the extent feasible, soil and water were not mixed. All analytical criteria were met for disposal of soil and water.

2.3 Surveying

A survey of the boring location was conducted at the end of fieldwork by C. T. Male, Inc., of Latham, NY, under the direct supervision of Resolution Consultants. The location was tied into the existing base map developed for this investigation. The survey elevation is referenced to the North American Vertical Datum (NAVD) 1988 and has a vertical accuracy of 0.01 foot. Vertical control is based on observations of the Continuously Operating Reference (COR) Stations Queens and Central Islip. The horizontal location is referenced to the North American Datum (NAD) 1983 (2011) N.Y. Long Island Zone 3104 and has an accuracy of 0.1 foot. Local horizontal and vertical control is based on Global Positioning System (GPS) observations using the NYS Net Real Time Network.

A table of survey data (ground, latitude/longitude and northing/easting) and a survey map is included in Appendix A.

3.0 REFERENCES

Geraghty and Miller, Inc., 1994. *Remedial Investigation Report, Grumman Aerospace Corporation, Bethpage, New York*. Revised September 1994.

Naval Facilities Engineering Command (NAVFAC), 2003. *Record of Decision Naval Weapons Industrial Reserve Plant Bethpage, New York, Operable Unit 2 – Groundwater*, NYS Registry: 1-30-003B. April.

Resolution Consultants, 2016. *2016 OU2 Groundwater Investigation RE129D1, RE129D2 (VPB163) Installation Report* . NWIRP, Bethpage, New York. September.

Resolution Consultants, 2013a. *United Federal Programs Sampling and Analysis Plan*, *Site OU-2 Offsite TCE Groundwater Plume Investigation,* NWIRP, Bethpage, New York. April.

Resolution Consultants, 2013b. *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells.* NWIRP, Bethpage, New York. December.

Smolensky, D., and Feldman, S., 1990. *Geohydrology of the Bethpage-Hicksville-Levittown Area, Long Island, New York, U.S*. Geological Survey Water-Resourced Investigations Report 88-4135, 25 pp.

Tables

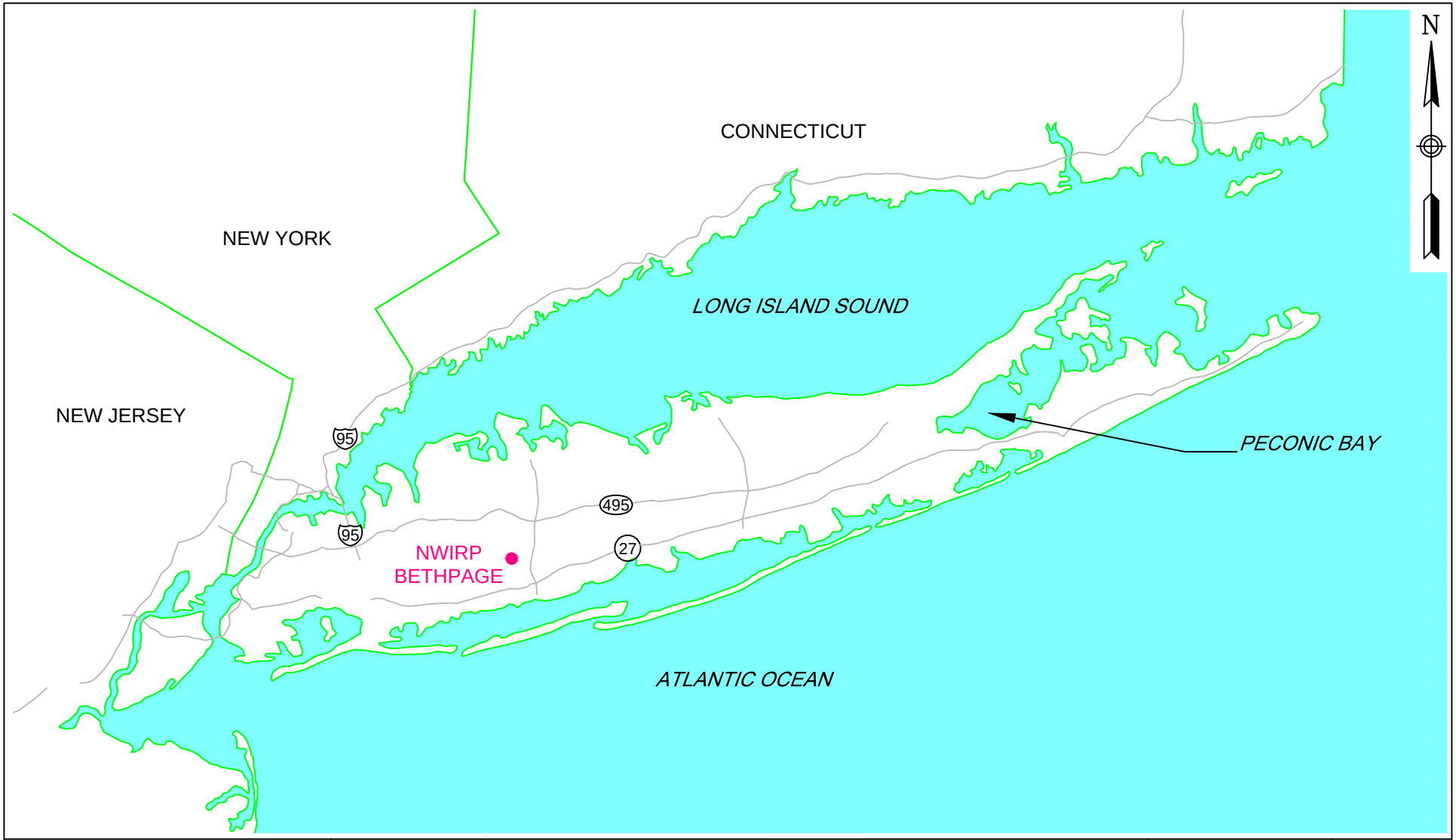
TABLE 1
VERTICAL PROFILE BORING SUMMARY
2015-2016 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

BORING	BORING START DATE	BORING COMPLETION DATE	GROUND ELEVATION (MSL)	TOTAL DEPTH (ft bgs)	*SURFACE CASING SET AT (ft bgs)	NO. OF SPOON SAMPLES	GAMMA LOG (ft bgs)	**NO. GW SAMPLES COLLECTED/ DUPLICATES/ ATTEMPTED	TOC SAMPLE DEPTH (ft bgs)	DATE OF AIR SAMPLE	MONITORING WELLS INSTALLED AT LOCATION
VPB163	12/4/2015	2/5/2016	53.94	990	53.5	7	988	38/2/7	223-225	1/7/2016	RE129D1, RE129D2

MSL - mean sea level
ft bgs - feet below ground surface
GW - Groundwater
TOC - Total Organic Carbon
*8-inch casing installed to 118 feet inside 10-inch casing

Figures

112G00622\0510\112G00622CM01.DWG 08/02/10 MKB



0 15 30

SCALE IN MILES

NAVFAC

GENERAL LOCATION MAP
NWIRP BETHPAGE
BETHPAGE, NEW YORK

CONTRACT NUMBER	CTO NUMBER
N62470-11-D-8013	WE15
APPROVED BY --	DATE --
APPROVED BY --	DATE --
FIGURE NO. 1	REV 0

F:\Projects\Navy\Bethpage WXE0817.0 Deliverables\7.2 CADD\GIS_files\Bethpage\MAP DOCS\MXD\MISC\Location MapsIF2 VPB163 2016 05 03 R1.mxd

Former Naval Weapons Industrial Reserve Plant

Former Northrop Grumman Site

Old Bethpage

Bethpage

South Farmingdale

Plainedge

North Wantagh

Levittown

State Hwy 135

Broadway

Cherry Ave

Plainview Rd

Stewart Ave

Powell Ave

Central Ave

Hempstead Tpke

Southern State Pkwy

Hicksville Rd

Wantagh Ave

Seamans Neck Rd

Access Rd

Quaker Meeting House Rd

Bethpage State Pkwy

Motor Ave

Merritts Rd

Fulton St

Conklin St

Jean Pl

Harriad Dr S

Dunhill Rd

Alken Ave

Tally Ln

Twin Ln N

Twin Ln E

Tangle Ln

Sarah Dr

Bernard Dr

Helene St

Whitebirch Ln

Ferndale Dr

Colridge Rd

Hunt Rd

Ruby Ln

Round Ln

Reverse Ln

Carlisle Rd

N Jerusalem Rd

Miller Pl

S Broadway

Hicksville Rd

N Wantagh Ave

Inset: VPB163 Location

VPB163

RE129D1
RE129D2

VPB151

BPOW5-4
RE117D1
RE117D2

0 375 750 Feet

0 750 1,500 3,000 Feet

Legend

- Monitoring Well
- Vertical Profile Boring
- Vertical Profile Boring - Proposed
- Water Supply Well
- Extraction Well

NAVFAC

VPB163 LOCATION MAP
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK

CONTRACT NUMBER	CTO NUMBER
N62470-11-D8013	WE15
APPROVED BY: PS	DATE: 5/3/2016
APPROVED BY: —	DATE: —
FIGURE NO.: 2	REV: 0

Appendix A

VPB163

Section 1

VPB163 Boring and Gamma Logs

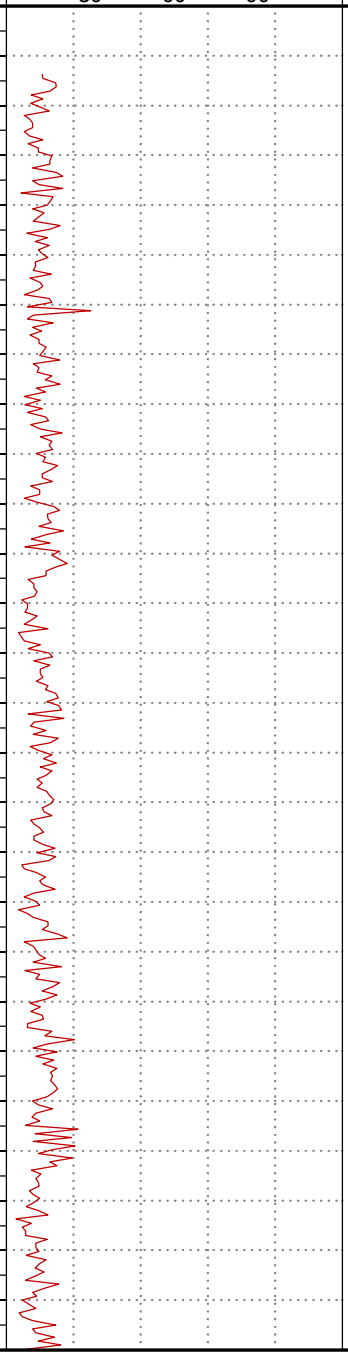
Resolution Consultants

Boring Log

BORING #: **VPB163**
Sheet 1 of 17

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic		**Logged By:** G. Hicks
Location: White Birch Ln & Sarah Dr, Town of Hempstead, NY	**Northing:** 196103.89 **Easting:** 1124117.34	**Drilling Company:** Delta Well & Pump
Project #: 60266526	**Ground Elevation (ft amsl):** 54.94	**Well Screen Interval (ft):** NA
Start Date: 12/4/2015	**Drilling Method:** Auger (0-50' bgs) Mud Rotary (>50' bgs)	**Water Level (ft):** NA
Finish Date: 2/5/2016		**Total Depth (ft):** 990.0

Mud Rotary Drilling Note: Unless denoted by a splitspoon sample (indicated by the presence of a PID reading), boundaries between strata are approximate and may be transitional because they are based on screened wash samples collected during mud rotary drilling at 5 ft. intervals.

DEPTH (ft)	Gamma Ray (0 / 30 / 60 / 90)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
0–2					Upper Glacial	SW		Yellowish brown (10YR 5/4) well graded fine to coarse subrounded SAND, few fine to coarse subrounded Gravel
2–6						SW		Dark yellowish brown (10YR 4/6) well graded fine to coarse subrounded SAND, few fine to coarse subrounded Gravel
6–12						SW		Strong brown (7.5YR 4/6) well graded fine to coarse subangular SAND, few fine to coarse subrounded Gravel, trace silt
12–16						SW		Strong brown (7.5YR 4/6) well graded fine to coarse subangular SAND, few fine to coarse subrounded Gravel, trace silt
16–22						SW		Strong brown (7.5YR 4/6) well graded fine to coarse subangular SAND,few fine to coarse subrounded Gravel, trace silt
22–26						SW		Yellowish brown (10YR 5/4) well graded fine to coarse subrounded SAND, few fine to coarse subrounded Gravel
26–32						SW		Yellowish brown (10YR 5/4) well graded fine to coarse subrounded SAND, little fine to coarse subrounded Gravel, trace silt
32–36						SW		Olive yellow (2.5Y 6/6) well graded fine to coarse subangular SAND, little fine to coarse subrounded Gravel, trace silt
36–42						SW		Olive yellow (2.5Y 6/6) well graded fine to coarse subangular SAND, little fine to coarse subrounded Gravel, trace silt
42–48						SW		Yellowish brown (10YR 5/6) well graded fine to coarse subangular SAND, few fine to coarse subrounded Gravel, trace silt
48–52						SW		Yellowish brown (10YR 5/6) well graded fine to coarse subangular SAND, few fine to coarse subrounded Gravel, trace silt
52–54						SW-SM		

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB163
Sheet 2 of 17

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
54	30 60 90				Upper Glacial	SW-SM		Brownish yellow (10YR 6/8) well graded fine to coarse subangular SAND with Silt *(continued)*
58			<0.50	0.64		SW		Brownish yellow (10YR 6/8) well graded fine to coarse subangular SAND, few subrounded Gravel, trace silt
62						GP		Brownish yellow (10YR 6/8) poorly graded fine subrounded GRAVEL, few fine Sand, trace silt
66						SM		Yellowish brown (10YR 5/4) Silty well graded fine to coarse subangular SAND, trace fine subrounded gravel
70						SM		Yellowish brown (10YR 5/4) Silty well graded fine to coarse subangular SAND, trace fine subrounded gravel
74						GM		Brownish yellow (10YR 6/6) Silty fine subrounded Gravel, trace iron nodules
78						SW		Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, little Lignite, few subrounded fine gravel
82						SW-SC		Brownish yellow (10YR 6/6) well graded fine to medium subangular SAND with medium stiff fat Clay, trace silt, trace fine subangular gravel, trace iron nodules
86						SW-SC		Brownish yellow (10YR 6/6) well graded fine to medium subangular SAND with medium stiff fat Clay, few lignite, trace silt, trace fine subangular gravel
90						CH		Very dark gray (5Y 3/1) Silty soft fat CLAY, trace fine subrounded gravel, trace iron nodules, trace pyrite
94					Magothy	CH		Very dark gray (5Y 3/1) Silty soft fat CLAY, trace fine subrounded gravel, trace iron nodules, trace muscovite
98						CH		Very dark gray (5Y 3/1) Silty soft fat CLAY, few lignite, trace fine subrounded gravel, trace iron nodules
102						SW-SC		Brownish yellow (10YR 6/6) well graded fine to medium subangular SAND with medium stiff fat Clay, few lignite, trace silt, trace fine subangular gravel
106								
110								
114								

(Continued Next Page)

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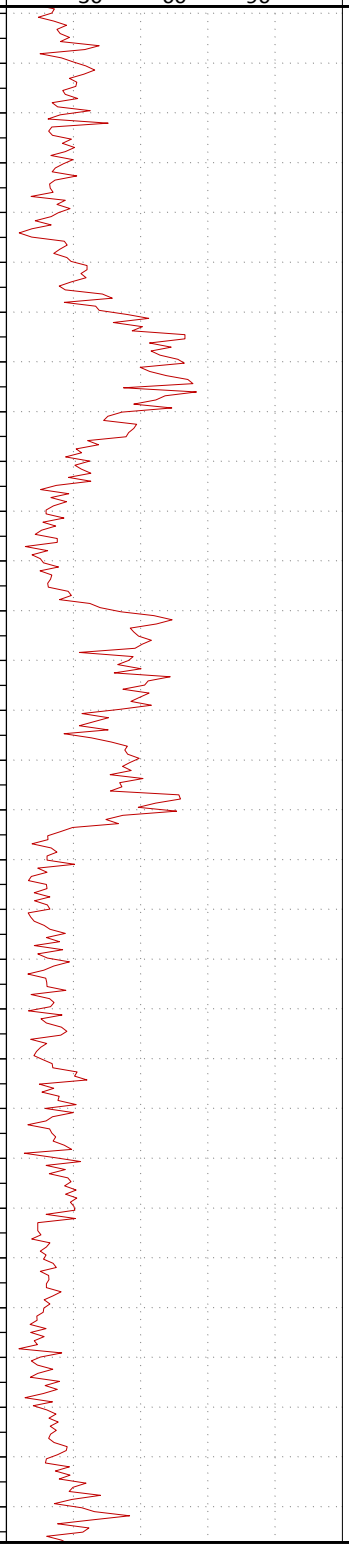
Boring Log

BORING #: VPB163
Sheet 3 of 17



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
116				Magothy	SW-SC		
118							
120		<0.50	1.7		SP		Yellowish brown (10YR 5/4) poorly graded fine SAND, trace medium stiff fat Clay
122							
124					SP		Yellowish brown (10YR 5/4) poorly graded fine SAND, trace medium stiff fat Clay
126							
128							
130					SW-SC		Light yellowish brown (10YR 6/4) well graded fine to coarse subangular SAND with medium stiff fat Clay, trace silt
132							
134					SW-SC		Light yellowish brown (10YR 6/4) well graded fine to coarse subangular SAND with medium stiff fat Clay, trace silt
136							
138							
140					CH		Dark gray (10YR 4/1) fine Sandy fat medium stiff CLAY, trace silt
142							
144					CH		Dark gray (10YR 4/1) fine Sandy fat medium stiff CLAY, trace silt
146							
148							
150					SC		Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt
152							
154					SC		Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel
156							
158							
160		4.3	46		SC		Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel
162							
164					SC		Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel, trace lignite
166							
168							
170					SC		Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel, trace lignite
172							
174					SC		Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine subrounded gravel
176							

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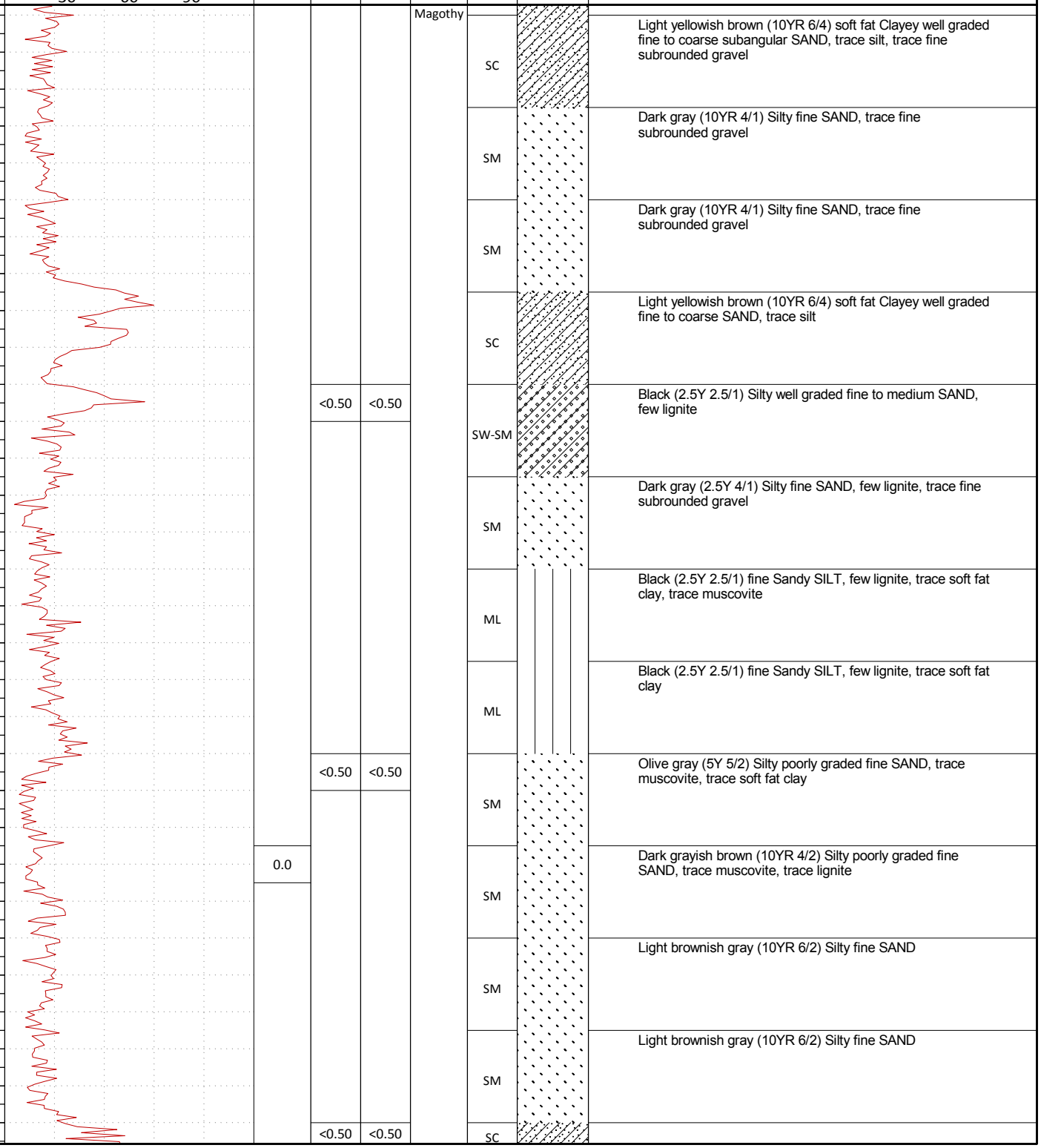
Resolution Consultants

Boring Log

BORING #: VPB163
Sheet 4 of 17



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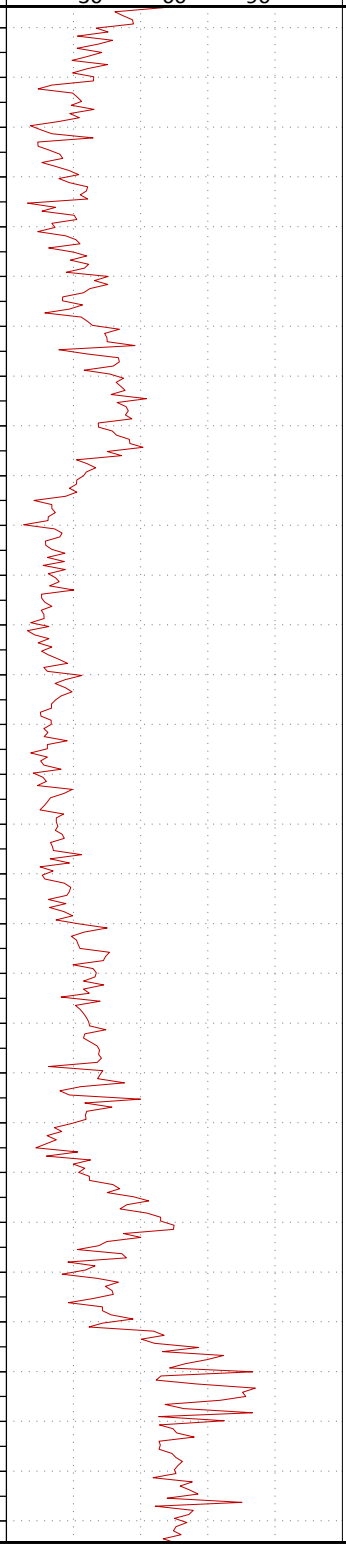
Boring Log

BORING #: VPB163
Sheet 5 of 17



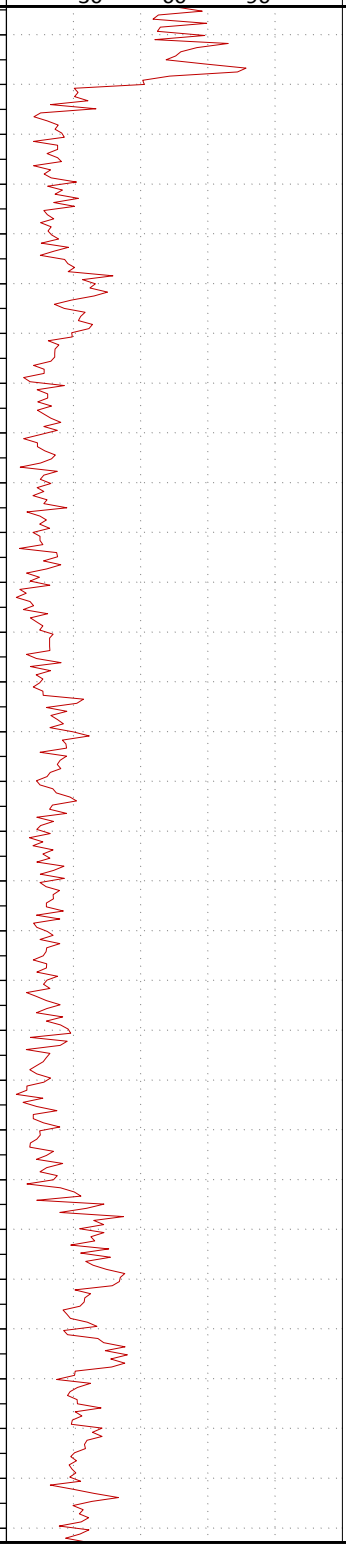
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
240		<0.50	<0.50	Magothy	SC		Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt *(continued)*
242							
244					SC		Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt
246							
248							
250					SC		Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt
252							
254					SC		Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt
256							
258							
260		<0.50	<0.50		CH		Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite
262							
264					SP-SM		Gray (7.5YR 5/1) Silty fine SAND, trace soft fat clay
266							
268							
270					SP-SM		Gray (7.5YR 5/1) Silty fine SAND
272							
274					SC		Gray (2.5Y 5/1) medium stiff fat Clayey fine to medium subangular SAND, few lignite, trace iron nodules
276							
278							
280					SM		Grayish brown (10YR 4/2) Silty fine SAND, trace lignite
282							
284					SM		Grayish brown (10YR 4/2) Silty fine SAND, trace lignite
286							
288							
290					SM		Grayish brown (10YR 4/2) Silty fine SAND, trace lignite
292							
294					CH		Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite
296							
298							
300					CH		Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB163
Sheet 6 of 17



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
302				Magothy	CH		Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite *(continued)*
304					CH		Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite
306							
308							
310					SM		Grayish brown (10YR 4/2) Silty fine SAND, trace lignite
312							
314					SM		Grayish brown (10YR 4/2) Silty fine SAND, trace lignite
316							
318							
320					SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
322							
324					SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
326							
328							
330					SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
332							
334					SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
336							
338							
340					SM		Grayish brown (2.5Y 5/2) Silty fine SAND, trace soft fat clay
342							
344					SP		Grayish brown (2.5Y 5/2) poorly graded fine subangular SAND, trace soft fat clay, trace muscovite
346							
348							
350					SP		Grayish brown (2.5Y 5/2) poorly graded fine subangular SAND, trace soft fat clay, trace muscovite
352							
354					SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
356							
358							
360					SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
362							

(Continued Next Page)

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Boring Log

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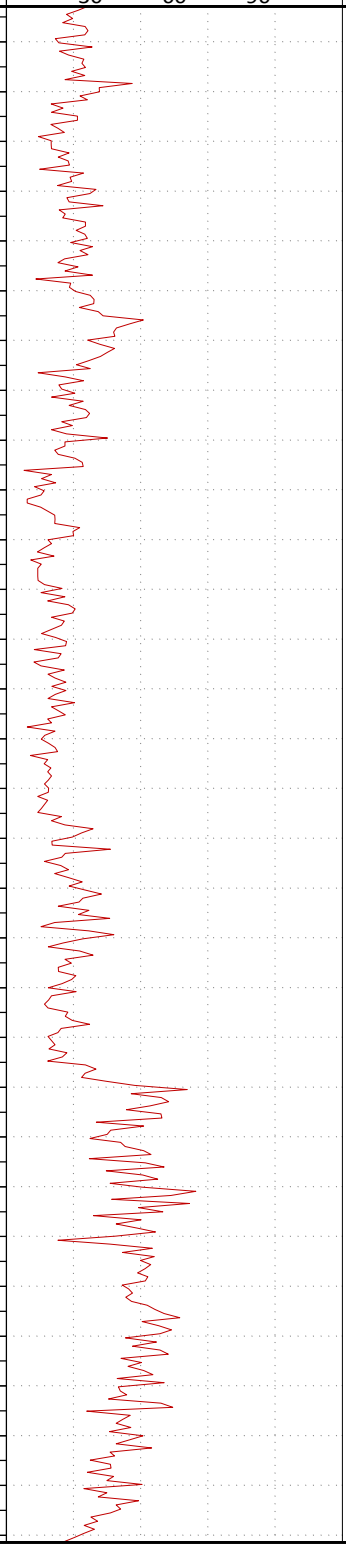

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
364				Magothy	SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
366							
368							
370					SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
372							
374					SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
376							
378					SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
380							
382					CH		Light gray (5Y 7/1) fine Sandy stiff fat CLAY, trace lignite
384							
386					CH		Light gray (5Y 7/1) fine Sandy stiff fat CLAY, trace lignite
388							
390					CH		Light gray (5Y 7/1) fine Sandy stiff fat CLAY, trace lignite
392							
394					SC		Gray (2.5Y 5/1) soft fat Clayey fine subangular SAND, trace lignite
396							
398					ML		Gray (2.5Y 5/1) fine Sandy SILT
400							
402					CH		Dark gray (5Y 4/1) fine Sandy stiff fat CLAY, few muscovite, trace lignite
404							
406					CH		Dark gray (5Y 4/1) fine Sandy stiff fat CLAY, few muscovite, trace lignite
408							
410					SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
412							
414					SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
416							
418							
420							
422							
424							

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Boring Log

BORING #: VPB163
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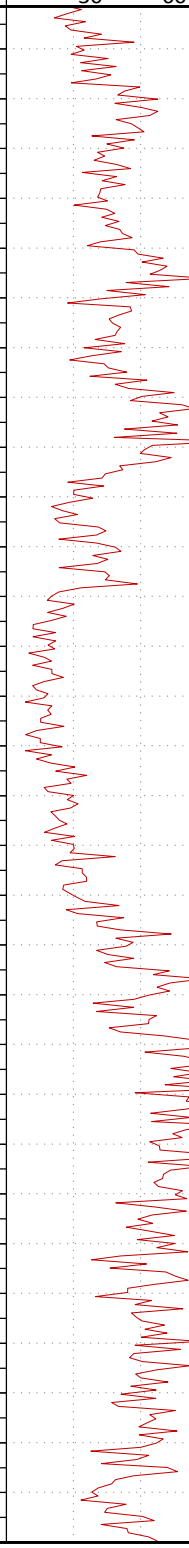

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
426				Magothy	SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND *(continued)*
428							
430					CH		Gray (5Y 5/1) fine subangular Sandy soft fat CLAY, trace lignite
432							
434					CH		Gray (5Y 5/1) fine subangular Sandy soft fat CLAY, trace lignite
436							
438					SP-SC		Grayish brown (2.5Y 5/2) fine subangular SAND with soft fat Clay, trace lignite
440							
442					SP-SC		Grayish brown (2.5Y 5/2) fine subangular SAND with soft fat Clay, trace lignite
444							
446					SP-SC		Grayish brown (2.5Y 5/2) fine subangular SAND with soft fat Clay, trace lignite
448							
450					SP		Grayish brown (2.5Y 5/2) fine subangular SAND, trace soft fat clay
452							
454					SP		Grayish brown (2.5Y 5/2) fine subangular SAND, trace soft fat clay
456							
458					CH		Grayish brown (2.5Y 5/2) fine Sandy soft fat CLAY, trace lignite
460							
462					CH		Grayish brown (2.5Y 5/2) fine Sandy soft fat CLAY, trace lignite
464							
466					CH		Grayish brown (2.5Y 5/2) fine Sandy soft fat CLAY, trace lignite
468							
470					SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
472							
474					CH		Gray (2.5Y 5/1) stiff fat CLAY, few fine subangular Sand, trace silt
476							
478							
480							
482							
484							
486							

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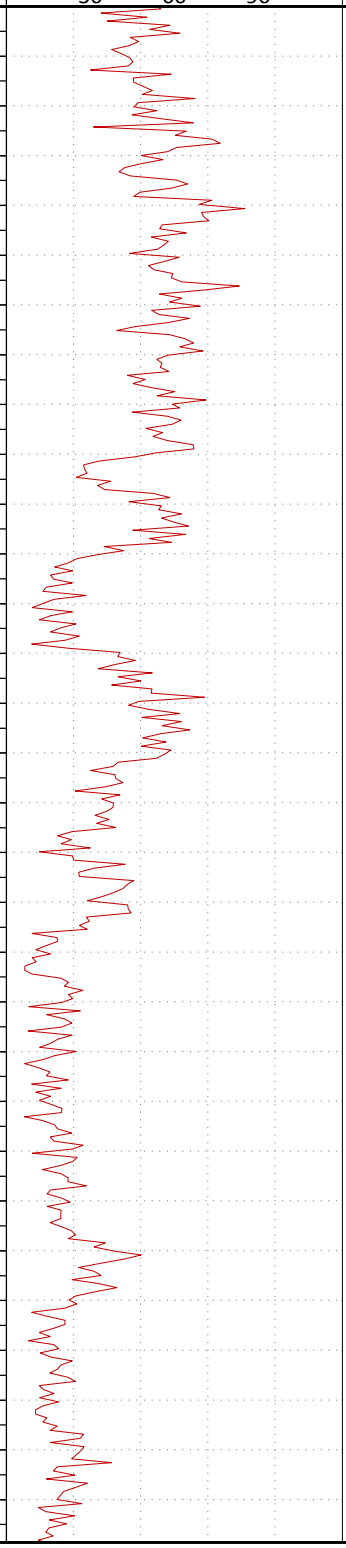

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
486				Magothy	CH		Gray (2.5Y 5/1) stiff fat CLAY, few fine subangular Sand, trace silt *(continued)*
488–490					SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
492–494					SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
496–498					SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
500–502					SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
504–506					CH		Gray (Gley1 6/N) fine Sandy stiff fat CLAY, trace silt
508–510					CH		Gray (Gley1 6/N) fine Sandy stiff fat CLAY, trace silt
512–514					ML		Dark gray (5Y 4/1) fine Sandy SILT, trace soft fat clay
516–518					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
520–522					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
524–526					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
528–530					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
532–534					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
536–538					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
540–542					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
544–546					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt

(Continued Next Page)

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Boring Log

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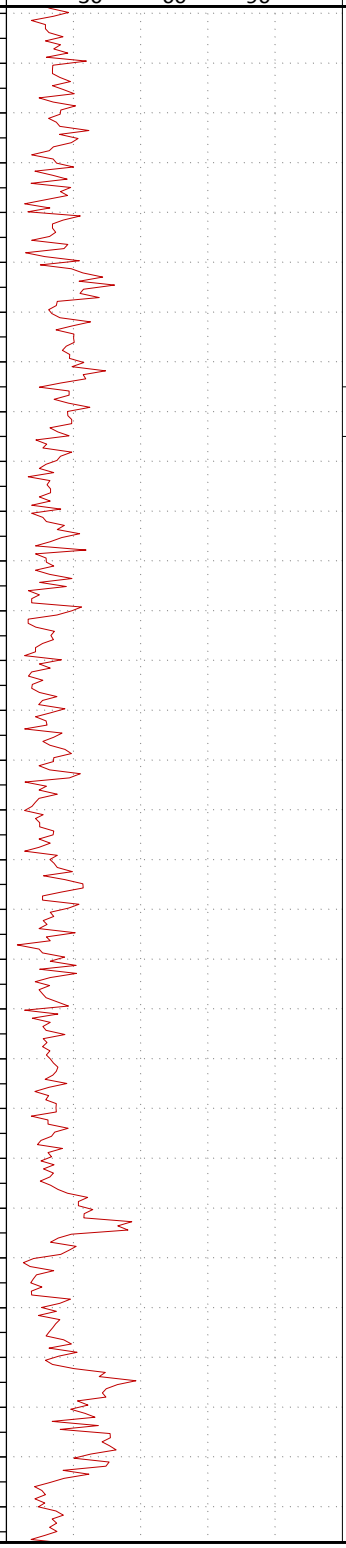

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
548				Magothy			
550					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
552							
554					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
556							
558					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
560							
562							
564	0.0				SP		Grayish brown (10YR 5/2) poorly graded fine SAND, trace Silt
566							
568					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
570							
572					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
574							
576					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
578							
580					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
582							
584					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
586							
588					SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
590							
592							
594					SW-SC		Gray (10YR 5/1) well graded fine to coarse subangular SAND with soft fat Clay, trace silt, trace pyrite
596							
598							
600					SW-SC		Gray (10YR 5/1) well graded fine to coarse subangular SAND with soft fat Clay, trace silt, trace pyrite
602							
604					CH		Dark gray (7.5YR 4/1) fine Sandy soft fat Clay
606							
608					SC		

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Boring Log

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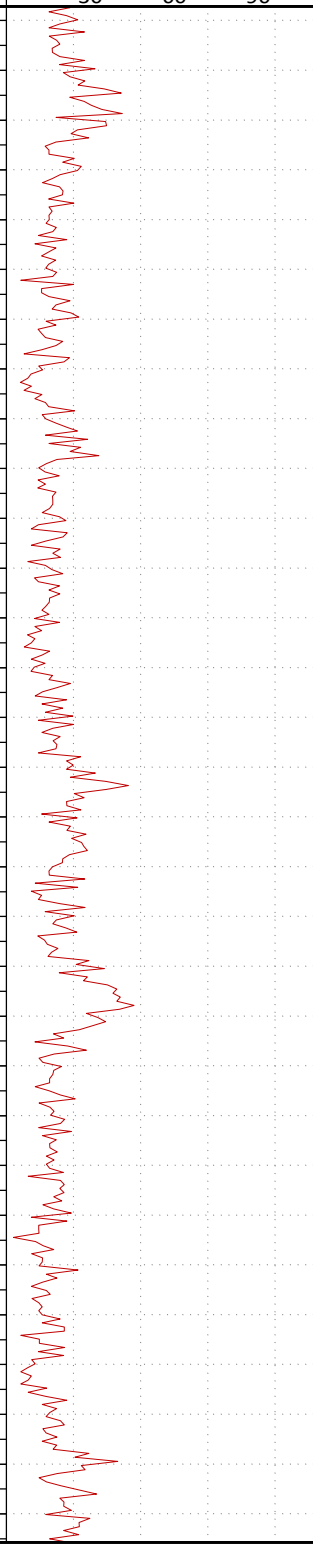

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
610				Magothy	SC		Gray (7.5YR 5/1) soft fat Clayey poorly graded fine SAND, trace muscovite *(continued)*
612							
614					SM		Gray (7.5YR 5/1) Silty well graded fine to medium SAND
616							
618					SM		Light gray (7.5YR 7/1) Silty well graded fine to coarse SAND, trace lignite
620							
622					SP-SM		Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
624							
626					SP-SM		Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
628							
630					SP-SM		Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
632							
634					SP-SC		Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
636							
638					SP-SC		Light gray (7.5YR 7/1) poorly graded fine SAND with soft fat Clay, trace lignite, trace muscovite
640							
642					SP-SC		Light gray (7.5YR 7/1) poorly graded fine SAND with soft fat Clay, trace lignite, trace muscovite
644							
646					SP-SC		Light gray (7.5YR 7/1) poorly graded fine SAND with soft fat Clay, trace muscovite
648							
650					SP-SM		Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
652							
654					SP-SM		Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
656							
658					SP-SM		Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite, trace fine subrounded gravel
660							
662							
664							
666							
668							
670							

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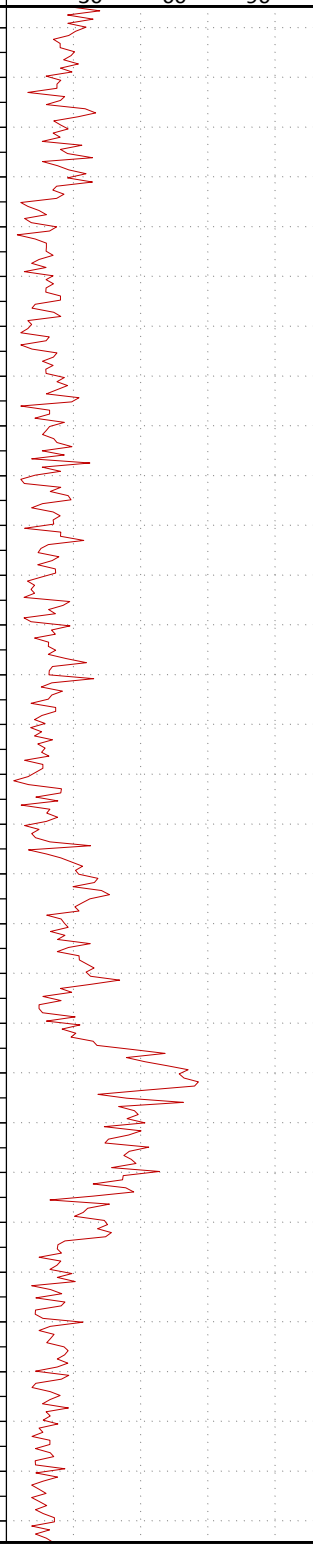

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
672				Magothy	SP-SM		
674					SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
676							
678							
680					SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
682							
684					SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
686							
688					SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
690							
692					SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
694							
696					SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
698							
700					SP		Grayish brown (2.5Y 5/2) poorly graded fine subangular medium SAND, trace fine subangular Gravel, trace pyrite
702							
704					SP-SC		Grayish brown (2.5Y 5/2) poorly graded coarse subangular SAND with soft fat Clay, trace fine subangular gravel
706							
708					SP-SC		Grayish brown (2.5Y 5/2) poorly graded coarse subangular SAND with soft fat Clay, trace fine subangular gravel
710							
712					CH		Light gray (Gley1 7/N) fine Sandy medium stiff fat CLAY, trace muscovite
714							
716					CH		Light gray (Gley1 7/N) fine Sandy medium stiff fat CLAY, trace muscovite
718							
720					SP		White (5Y 8/1) poorly graded fine SAND, trace soft fat Clay
722							
724	0.0						
726					SW-SC		Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND with soft fat Clay, trace muscovite, trace fine subrounded gravel
728							
730							
732							

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Boring Log

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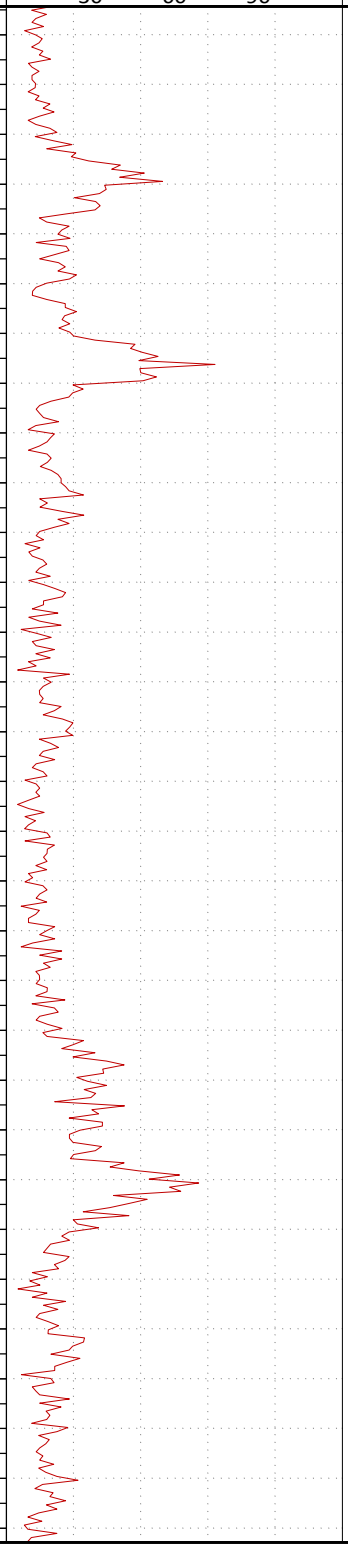

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
734–738				Magothy	SW-SC		Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND with soft fat Clay, trace muscovite, trace fine subrounded gravel
738–744					SP		Brownish yellow (10YR 6/6) poorly graded coarse subangular SAND, few fine subrounded Gravel, trace soft fat clay
744–748					CH		White (5Y 8/1) fine Sandy soft fat CLAY, trace iron
748–752					SW		Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace soft fat Clay
752–758					SW		Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace soft fat Clay
758–762					SP-SC		Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND with soft fat Clay, trace silt
762–766					SP		Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND, trace fine subrounded Gravel, trace silt
766–772					SP		Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND, trace fine subrounded Gravel, trace lignite
772–778					CH		Light gray (Gley1 5/1) soft fat Clayey medium to coarse subangular SAND, trace fine subangular lignite
778–784					CH		Light gray (Gley1 5/1) soft fat Clayey medium to coarse subangular SAND, trace fine subangular lignite
784–788					SP		Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace fine subrounded gravel, trace pyrite
788–792					SP		Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace pyrite
792–794					SP		

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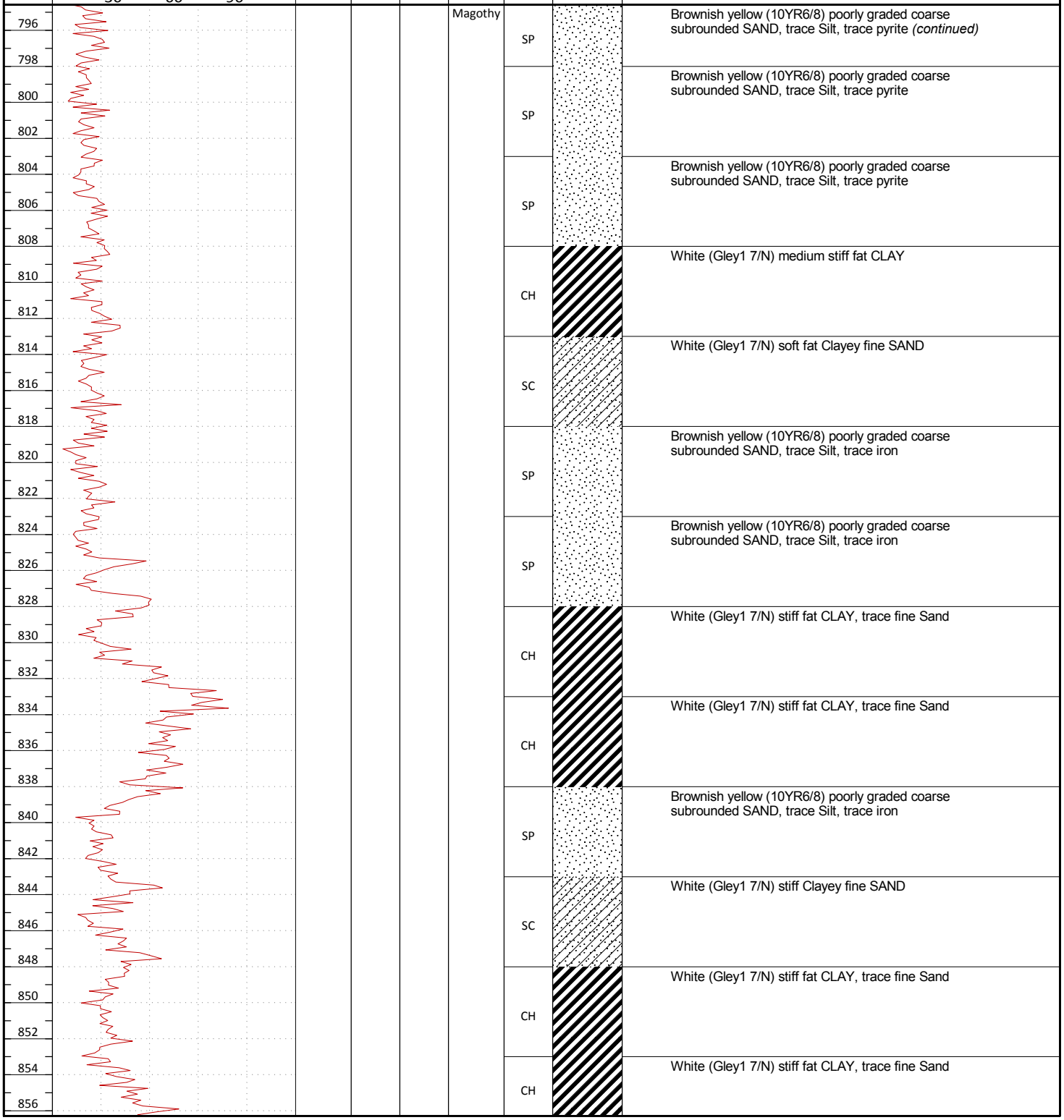

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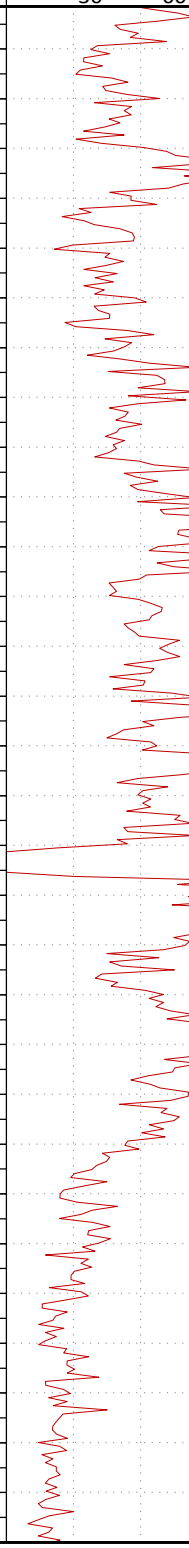

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
858				Magothy	CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand *(continued)*
860					CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
862							
864					SC		White (Gley1 7/N) stiff Clayey fine SAND
866							
868					CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
870							
872					SC		White (Gley1 7/N) stiff Clayey fine SAND, trace silt
874							
876					CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
878							
880					CL		Dark gray (10YR 4/1) fine Sandy medium stiff lean CLAY, trace lignite
882							
884					CL		Dark gray (10YR 4/1) fine Sandy medium stiff lean CLAY, trace lignite
886							
888					CL		Dark gray (10YR 4/1) fine Sandy medium stiff lean CLAY, trace lignite
890							
892					CL		White (7.5YR 8/N) fine Sandy hard lean CLAY trace muscovite
894							
896					SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
898	0.0						
900					SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
902							
904					SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
906							
908							
910							
912							
914							
916							
918							

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BORING #: VPB163
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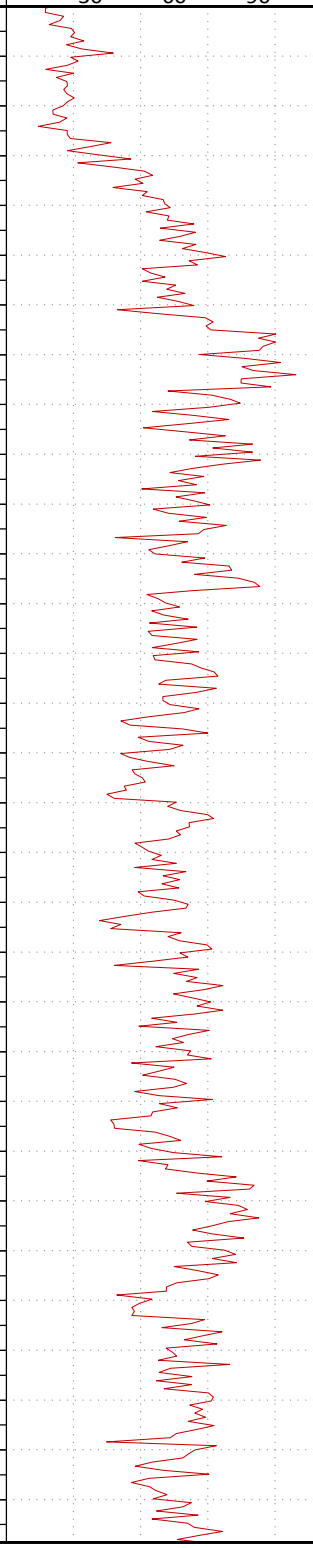

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
918							
920				Magothy	SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
922							
924					SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
926							
928							
930					SP-SM		Pale olive (5Y 6/3) poorly graded fine subangular SAND with Silt, trace soft fat clay
932							
934					SP-SM		Pale olive (5Y 6/3) poorly graded fine subangular SAND with Silt, trace soft fat clay
936							
938							
940					SP-SM		Gray (Gley1 6/N) poorly graded fine SAND with Silt, trace soft fat clay
942							
944					SP-SM		Gray (Gley1 6/N) poorly graded fine SAND with Silt, trace soft fat clay
946							
948							
950					SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
952							
954					SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
956							
958							
960					SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
962							
964					SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
966							
968							
970					CH		Gray (Gley1 6/N) hard fat CLAY, trace Silt
972							
974				Raritan	CH		Light reddish brown (2.5YR 7/4) stiff fat CLAY, trace Silt
976							
978							
	0.0				CH		Light gray (Gley1 7/N) and light reddish brown (2.5YR 7/4) mottled stiff fat CLAY

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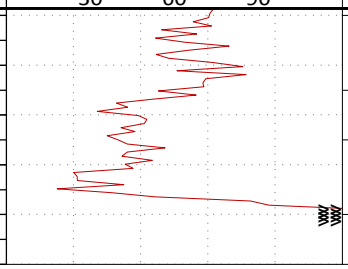
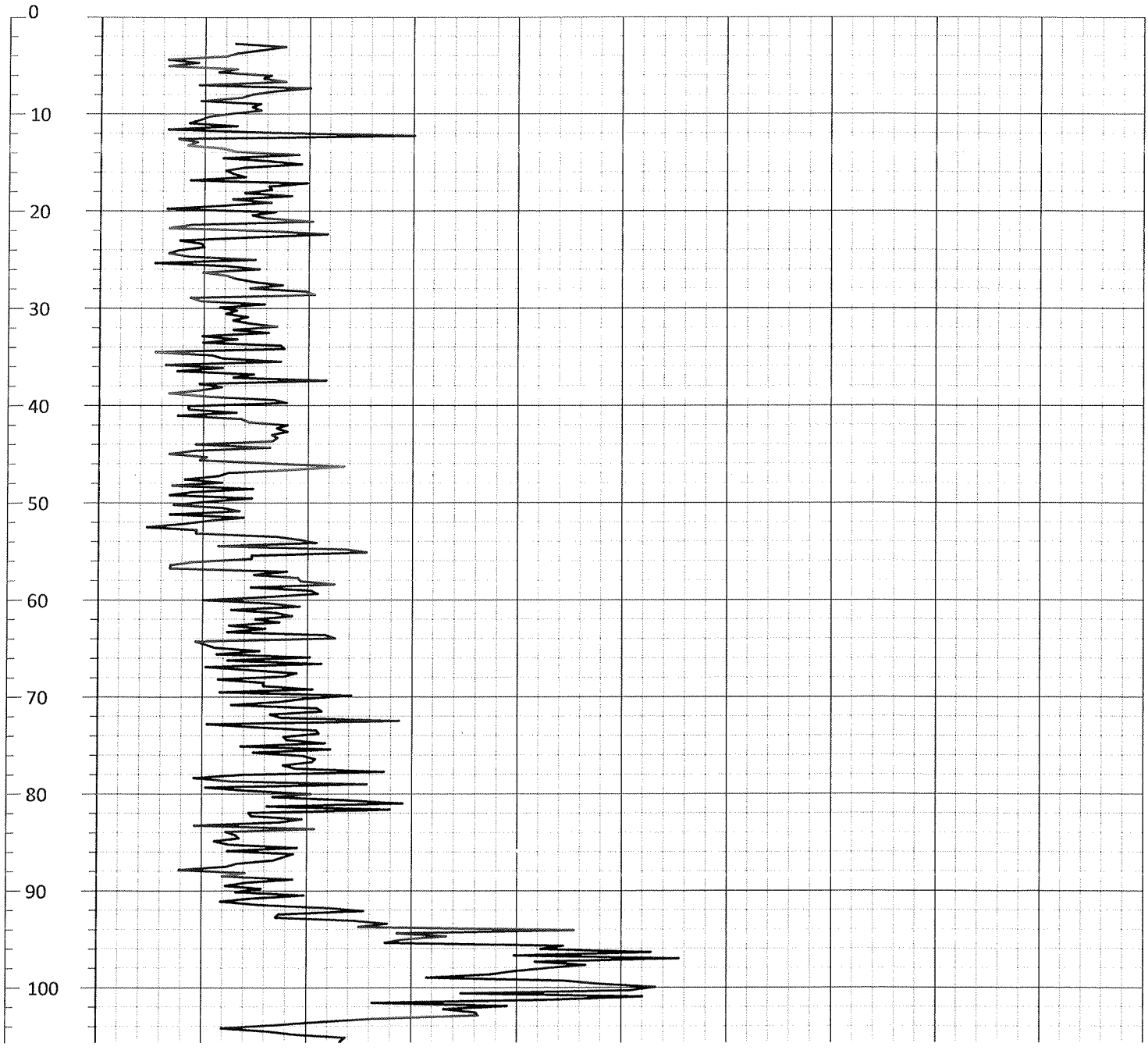
DEPTH (ft)	Gamma Ray (30 60 90)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
980					Raritan			
982						CH		Light reddish brown (2.5YR 7/4) stiff fat CLAY, trace Silt
984		0.0				CH		Light gray (Gley1 7/N) and light reddish brown (2.5YR 7/4) mottled very stiff fat CLAY
986						CH		Gray (Gley1 6/N) stiff fat CLAY, trace Silt
988								
990		0.0				CH		Gray (Gley1 6/N) and red (2.5YR 5/6) mottled hard fat CLAY

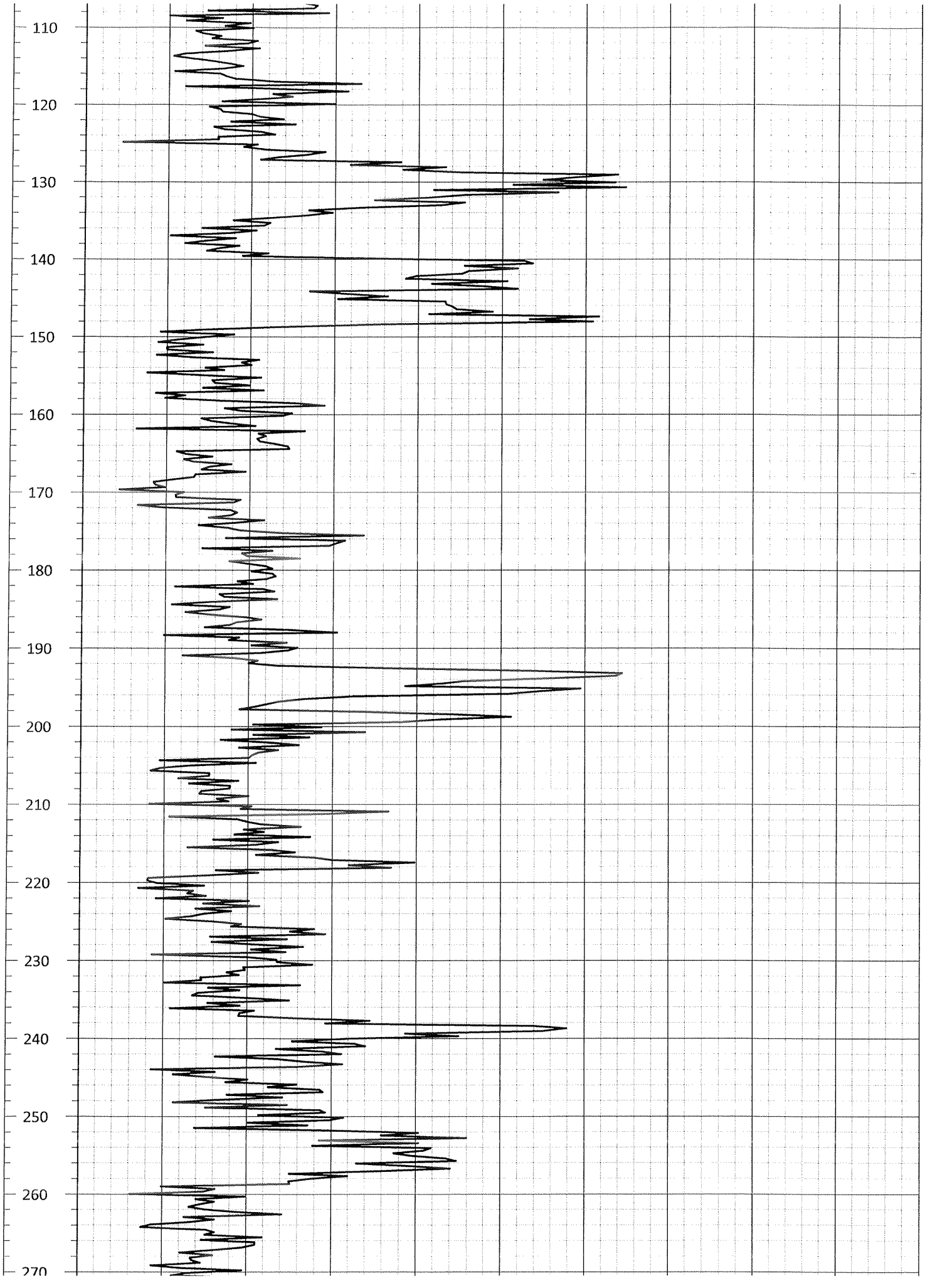
End of boring at 990.0 ft. bgs.

DOWN

COMPANY: DELTA WELL & PUMP CO., INC.	
LOCATION: NWIRP WHITE BIRCH LA.	
Well: VPB163	Depth Driller:
	Depth Logger:
Date: 02/01/2016 Time:	Logged by: CMO
File Name: 739	Witness: GORDON

Depth (ft.)	GAMMA (cps)	
	0.0	100.0

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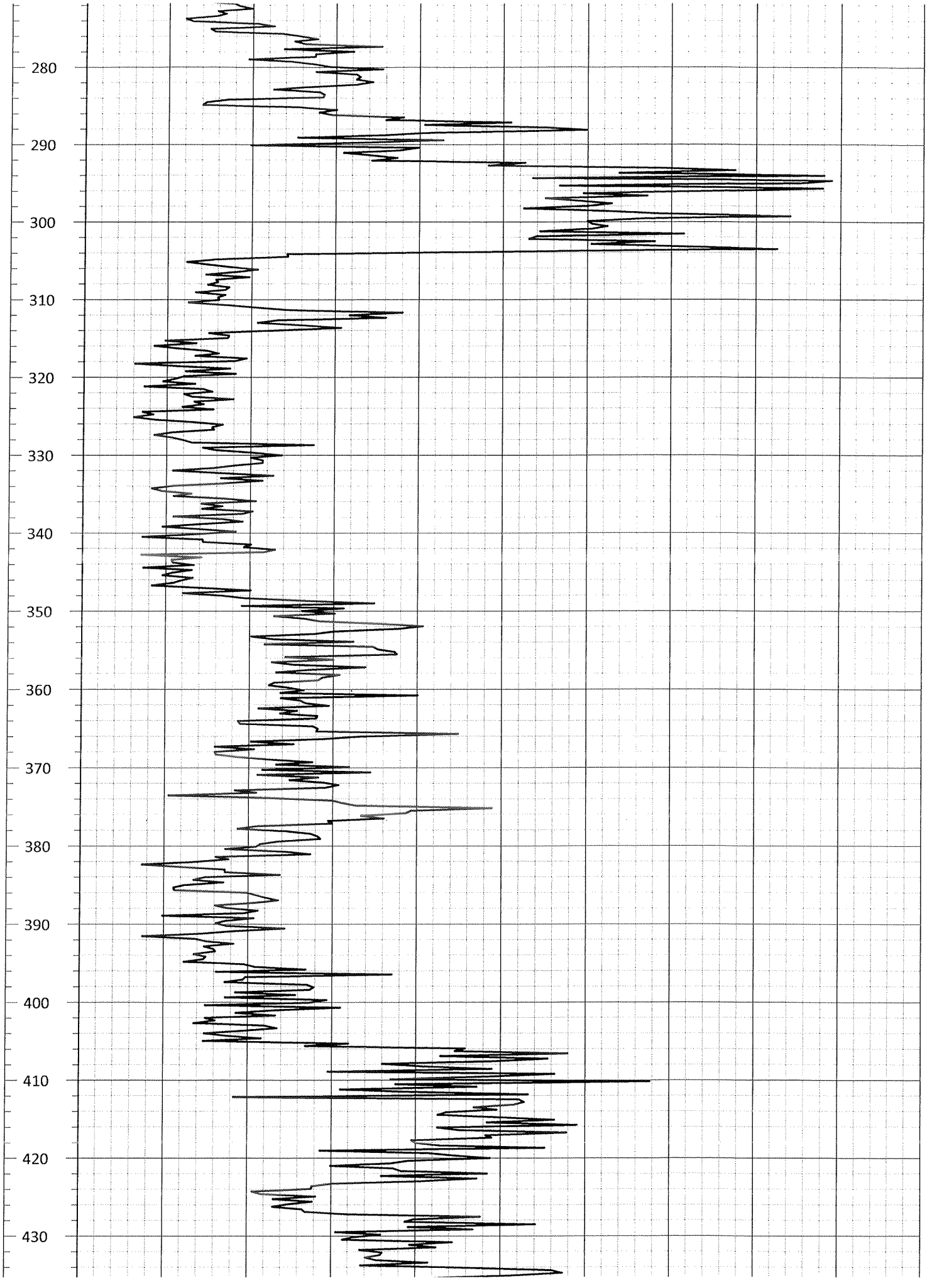
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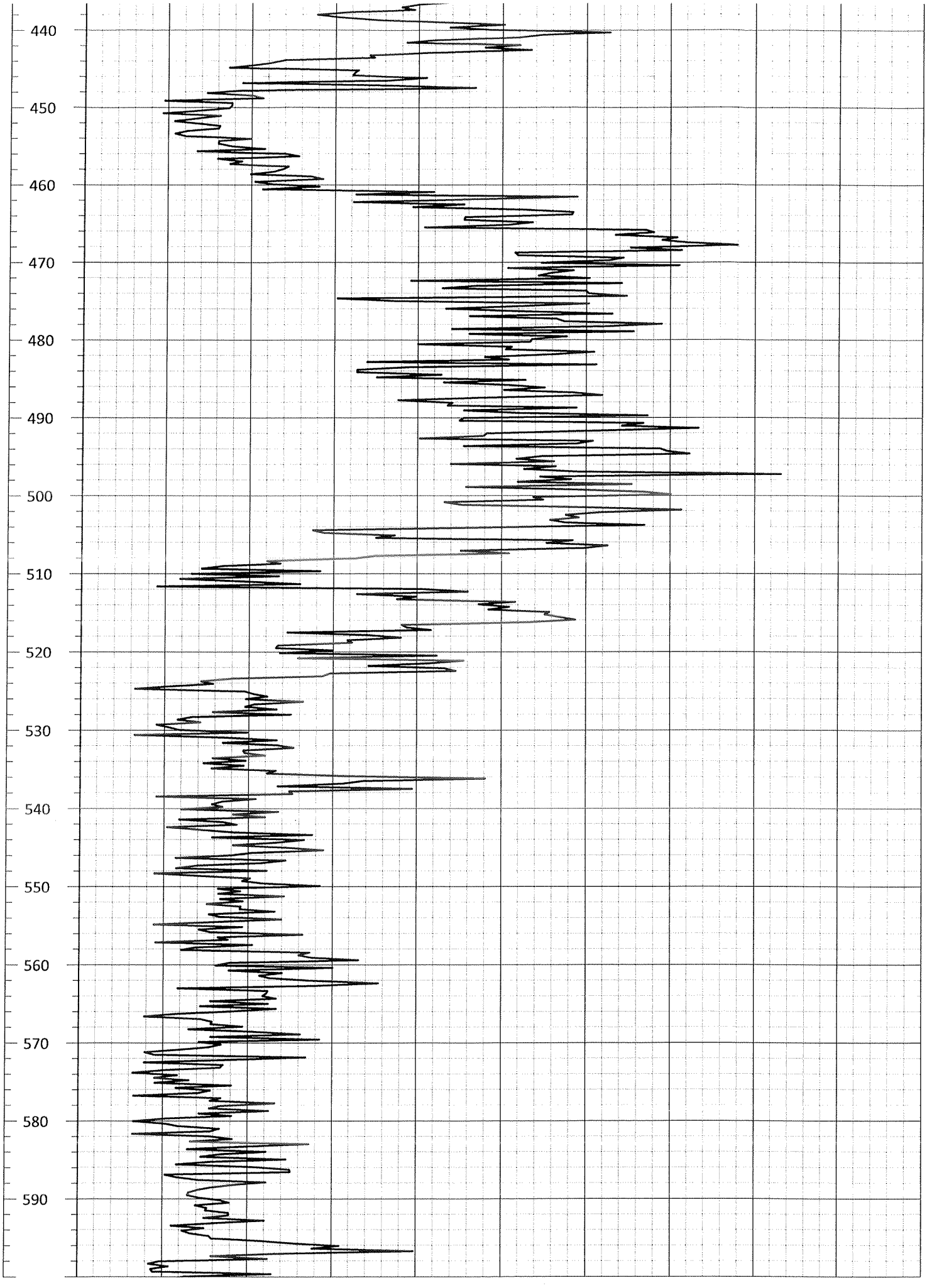
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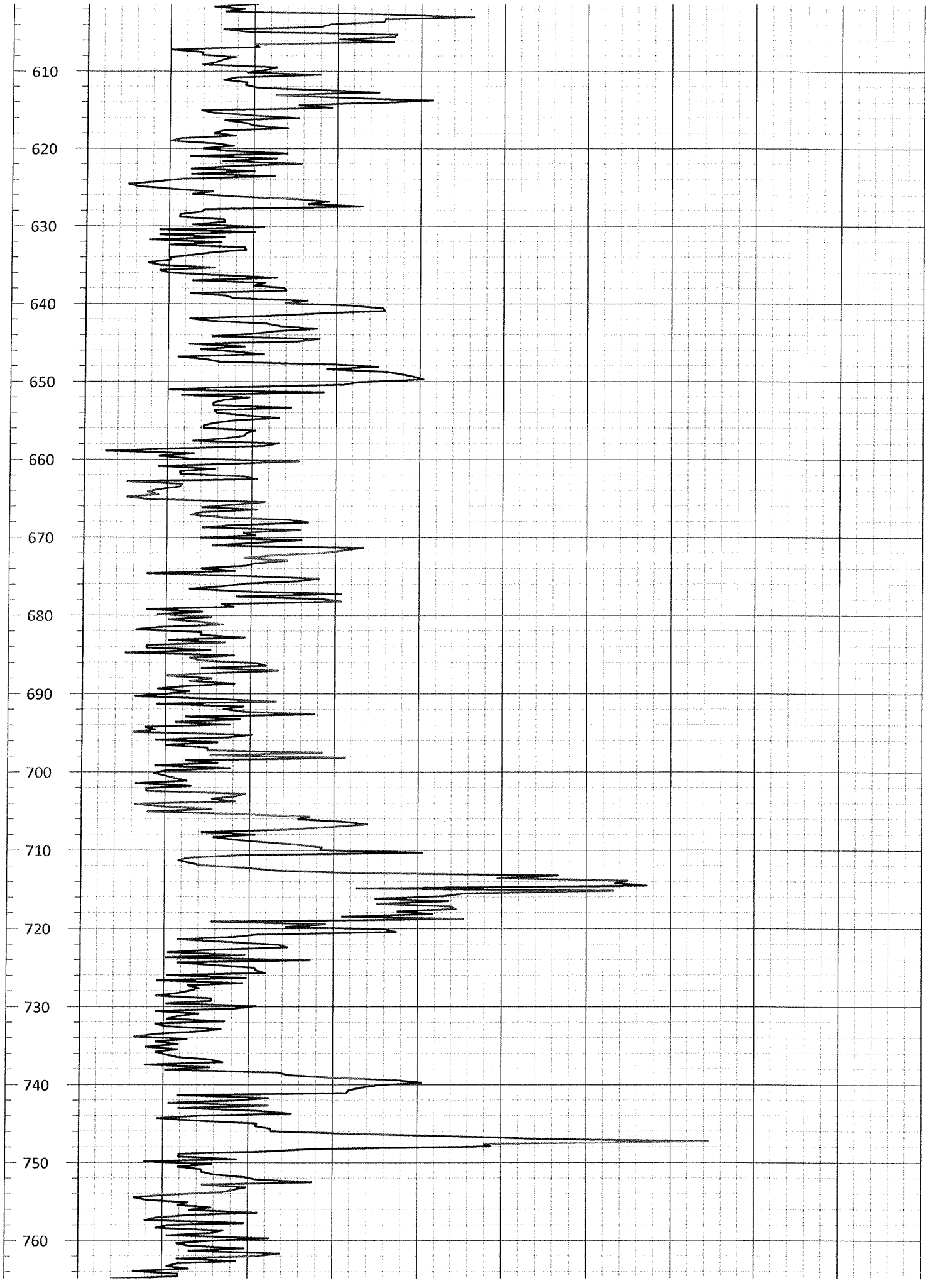
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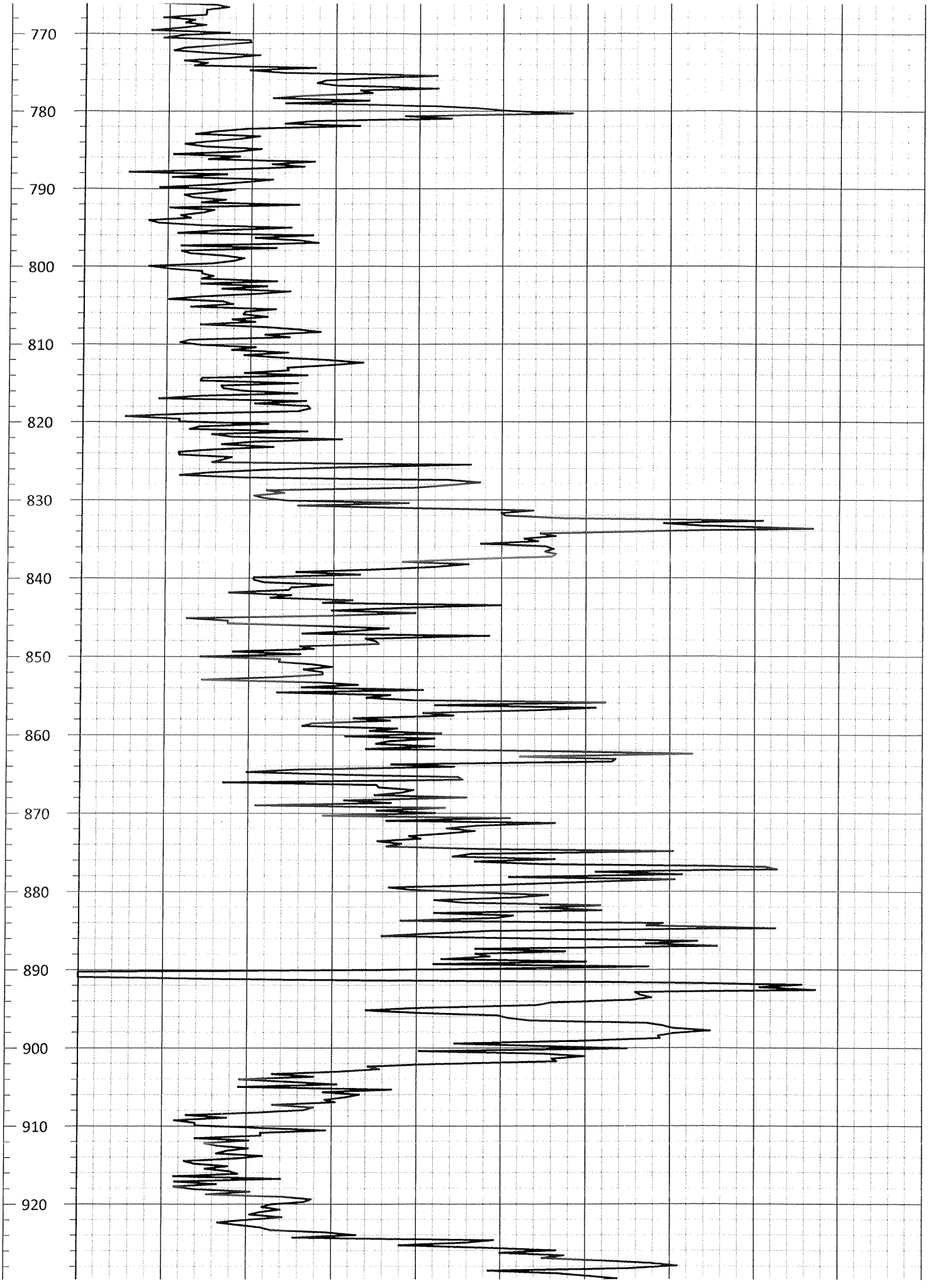
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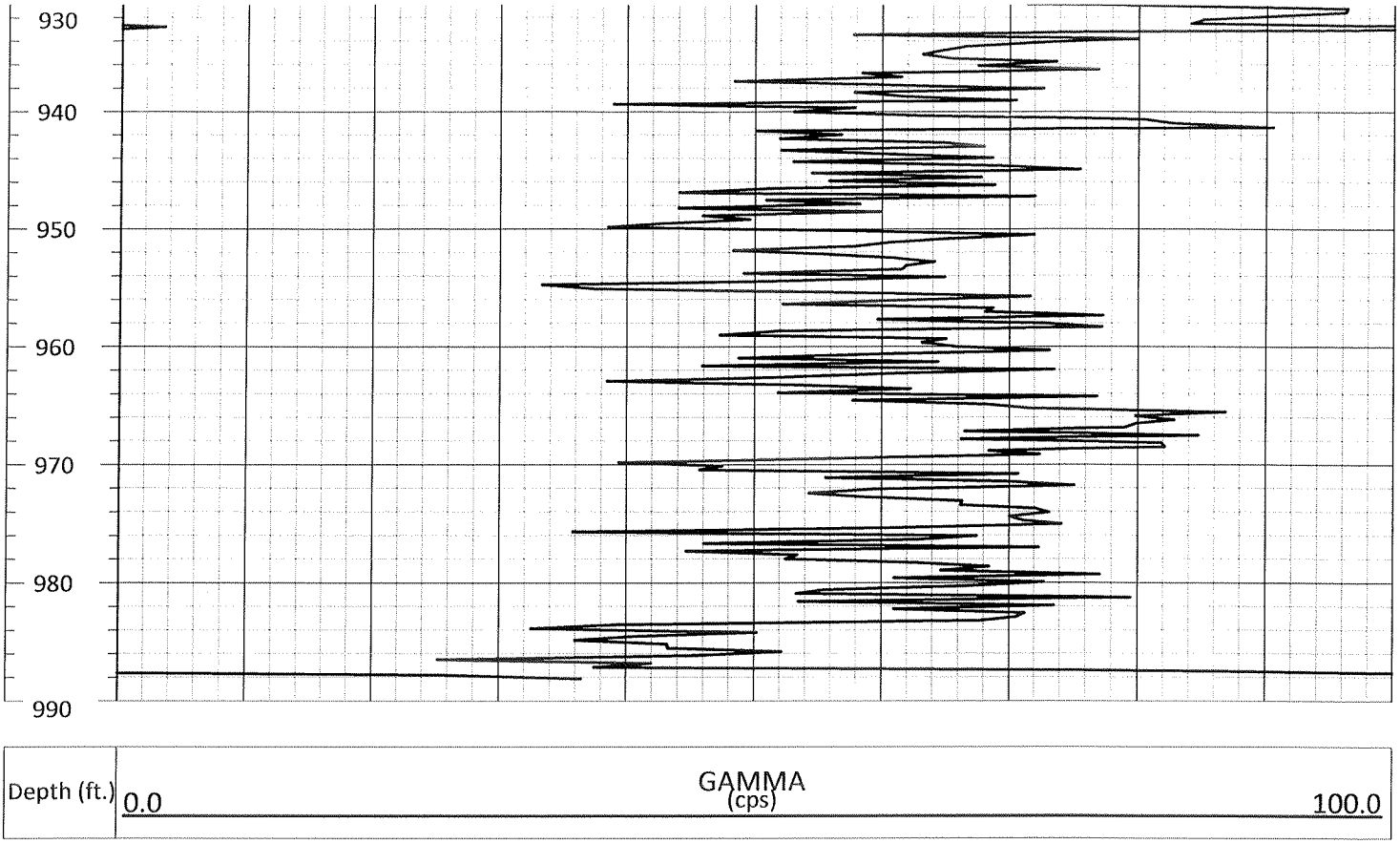
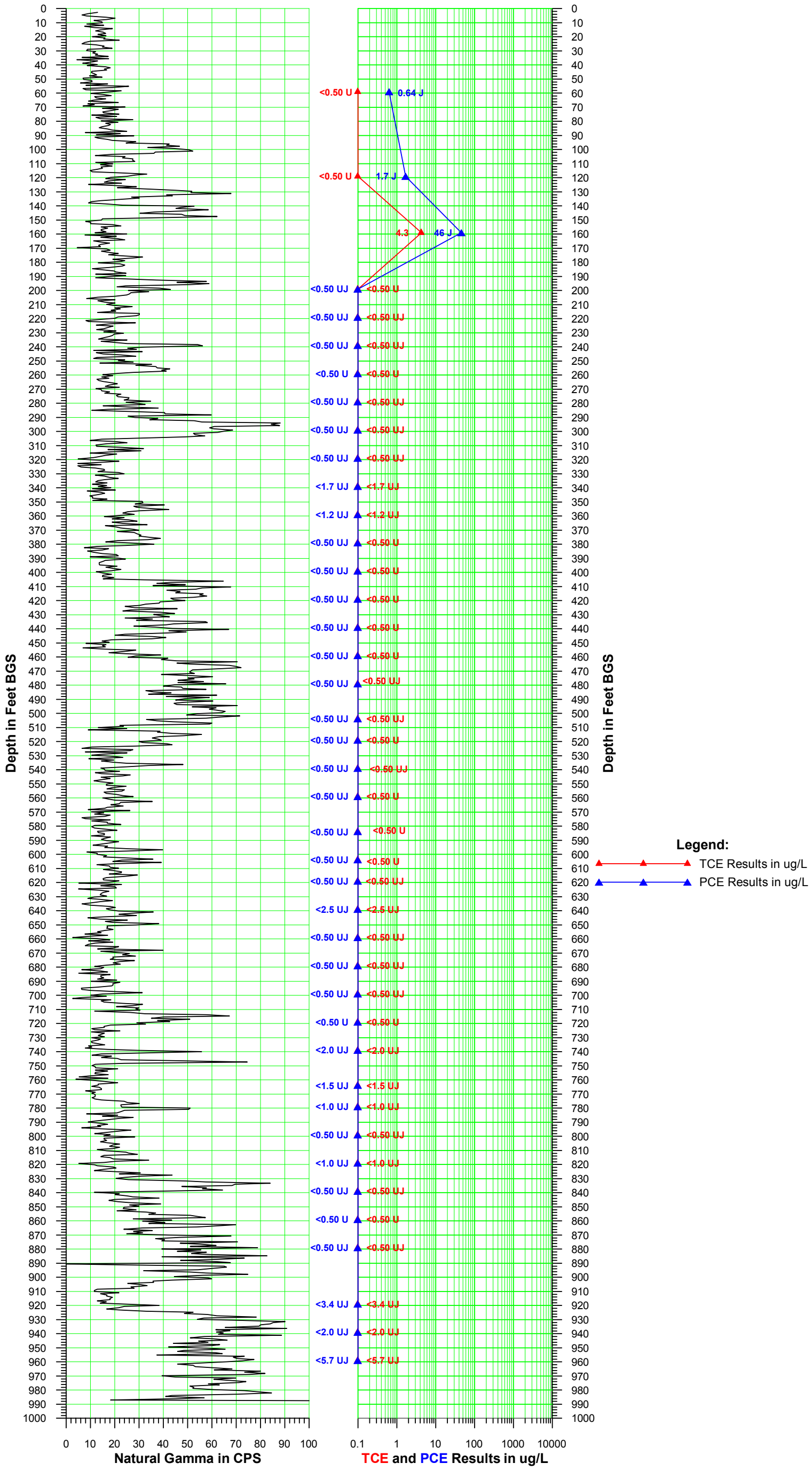


Depth (ft.)	GAMMA (cps)	
	0.0	100.0

Section 2

VPB163 Gamma and PCE/TCE Plot

Vertical Profile Boring VPB-163
Downward Run - February 1, 2016
Validated Analytical Data



Section 3

VPB163 Groundwater Sample Log Sheets

Hydropunch Log

VPB163 60266526 FI.WI3 ctor: G. Hicks NWIRP Bethpage

Sample date	Time	Temp (°C)	pH	Spec. Cond. (us/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth (ft)	Ending depth (ft)	Color	MS-MSD	DUP	Notes
12/16/2015	10:30:00	11.2	6.66	612	3.73	77.9	229.6	58	60	Slightly cloudy			
12/18/2015	09:55:00	9.9	7.64	394.4	2.74	15.6	489.1	118	120	Cloudy			
12/18/2015	12:08:00	10	6.95	292.3	2.80	30.0	774.2	158	160	Cloudy			
12/21/2015	10:15:00	9.8	6.92	311.1	2.24	115.7	794.4	198	200	Cloudy		X	
12/21/2015	12:30:00	9.9	6.41	632.6	1.61	68.9	>1,100	218	220	Cloudy	X		
12/22/2015	09:45:00	9.2	6.37	104.8	2.69	134.2	>1,100	238	240	Very cloudy			
12/22/2015	11:30:00	8.9	5.94	174.1	0.78	163.1	614.8	258	260	Cloudy			
12/28/2015	09:50:00	7.3	6.05	269.8	2.69	81.9	513.9	278	280	Cloudy			1
12/28/2015	12:00:00	9.2	6.77	553.3	2.65	62.5	>1,100	298	300	Very cloudy			2
12/28/2015	14:10:00	8.6	6.12	215.1	3.54	92.6	388.7	318	320	Cloudy			2
12/29/2015	09:30:00	8.6	6.33	626.6	0.41	73.0	<1,100	338	340	Very cloudy			
12/29/2015	11:45:00	8.7	6.94	202.3	0.42	41.3	<1,100	358	360	Very cloudy			
12/29/2015	13:30:00	8.4	6.28	244.9	2.44	147.7	241.6	378	380	Slightly cloudy			
12/30/2015	10:00:00	9.2	6.31	259.9	3.37	63.7	319.2	398	400	Slightly cloudy			
12/30/2015	12:00:00	9.9	5.42	116.3	2.41	111.1	102.9	418	420	Slightly cloudy			
12/30/2015	13:15:00	10.4	6.32	71.6	4.18	68.9	659.2	438	440	Slightly cloudy			
12/31/2015	10:15:00	10.6	6.65	201.2	3.96	39.6	462.9	458	560	Slightly cloudy			
12/31/2015	13:10:00	9.8	6.96	249.8	1.22	17.1	>1,100	478	580	Very cloudy			
1/4/2016	13:00:00	*ample to collect YSI data*					>1,100	503	505	Very cloudy			
1/5/2016	10:30:00	10.8	6.25	197.1	3.94	83.4	366.1	518	520	Slightly cloudy			
1/5/2016	13:00:00	9.1	6.31	199.6	0.06	3.4	198.5	538	540	Slightly cloudy	X	X	
1/6/2016	11:15:00	7.3	5.79	83.3	3.76	104.3	291.9	558	560	Slightly cloudy			
1/7/2016	10:45:00	8.8	6.63	140.8	6.82	84.3	>1,100	583	585	Very cloudy			
1/8/2016	09:45:00	7.6	7.26	69.2	6.08	87.8	667.2	603	605	Slightly cloudy			
1/11/2016	11:15:00	6.8	5.88	210.9	2.52	-20.6	>1,100	618	620	Very cloudy			
1/11/2016	13:45:00	7.0	5.37	95.6	0.32	34.5	>1,100	638	640	Very cloudy			
1/12/2016	10:30:00	7.9	6.61	343.9	0.34	-129.4	>1,100	658	660	Very cloudy			
1/12/2016	13:00:00	*ample to collect YSI data*					>1,100	678	680	Very cloudy			
1/13/2016	10:30:00	5.4	6.11	588.5	3.79	24.4	>1,100	698	700	Very cloudy			
1/13/2016	12:45:00	5.4	6.44	388.5	3.79	24.4	653.1	718	720	Slightly cloudy			
1/14/2016	11:00:00	5.1	6.16	88.9	1.68	46.9	>1,100	738	740	Very cloudy/yellowish			
1/15/2016	10:15:00	*ample to collect YSI data*					>1,100	763	765	Very cloudy			
1/15/2016	12:30:00	10.7	7.01	748.1	1.33	-87.5	>1,100	778	780	Very cloudy			
1/15/2016	14:45:00	11.2	6.91	520.3	0.30	-30.8	>1,100	798	800	Very cloudy			
1/18/2016	14:30:00	9.1	7.14	623.9	4.81	-10.5	>1,100	818	820	Very cloudy			
1/19/2016	13:15:00	12.9	7.21	608.5	0.34	-12.7	>1,100	838	840	Very cloudy			
1/20/2016	12:15:00	9.6	6.64	137.4	5.97	-13.1	211.1	858	860	Slightly cloudy			
1/21/2016	10:15:00	9.8	6.62	101.7	2.72	-60.1	>1,100	878	880	Very cloudy			
1/26/2016	14:15:00	*ample to collect YSI data*					>1,100	918	920	Very cloudy			
1/27/2016	11:30:00	10.8	7.14	605.6	4.22	-99.4	>1,100	938	940	Very cloudy			
1/27/2016	15:15:00	10.2	7.39	505.1	3.89	-101.2	>1,100	958	960	Very cloudy			

1. Not submitted for analysis due to incorrect container; sample taken at same depth at RE129D2 on 2/26/16
2. Not submitted for analysis due to incorrect container; sample taken at same depth at RE129D2 on 2/29/16

Section 4

VPB163 Analytical Data Validation

- Analytical Data Sheets
- Chain of Custody Records
- Validation Letter and Table

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	BETHPAGE VPB163	
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA SW-846 Method 8260C, Total Organic Carbon (TOC) by U.S. EPA SW-846 Method 9060A, and Standard Method 5310B for Total Organic Carbon by High-Temperature Combustion	
Validation Level:	3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 02/26/2016
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: BETHPAGE VPB163_8260C_9060A_5310B

SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — NWIRP Bethpage Site on 15 December to 27 January 2016 in accordance with the following Sampling and Analysis Plans:

- *Sampling and Analysis Plan, Bethpage, New York.* (Resolution Consultants, April 2013).
- *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells, Operable Unit 2, NWIRP Bethpage, New York.* (Resolution Consultants, November 2013).
- *UFP SAP Addendum, Inclusion of Additional Target Analytes for Volatile Organics Analyses, NWIRP Bethpage OU2, Bethpage, New York*. (Resolution Consultants, August 2014).

Sample ID	Lab ID	Matrix/Sample Type	Analysis
VPB163-TB-123115	SJ0035-1	Trip Blank	8260C
VPB163-GW-123115-458-460	SJ0035-2	Groundwater	8260C
VPB163-GW-123115-478-480	SJ0035-3	Groundwater	8260C
VPB163-GW-010416-503-505	SJ0035-4	Groundwater	8260C
VPB163-TB-010516	SJ0150-1	Trip Blank	8260C
VPB163-GW-010516-518-520	SJ0150-2	Groundwater	8260C
VPB163-GW-010516-538-540	SJ0150-3	Groundwater	8260C
VPB163-GWD-010516	SJ0150-4	Field Duplicate	8260C
VPB163-GW-010616-558-560	SJ0150-5	Groundwater	8260C
VPB163-EB-010616	SJ0150-6	Equipment Blank	8260C, 5310B

Sample ID	Lab ID	Matrix/Sample Type	Analysis
VPB163-GW-010716-583-585	SJ0150-7	Groundwater	8260C
VPB163-TB-010816	SJ0227-1	Trip Blank	8260C
VPB163-GW-010816-603-605	SJ0227-2	Groundwater	8260C
VPB163-GW-011116-618-620	SJ0227-3	Groundwater	8260C
VPB163-GW-011116-638-640	SJ0227-4DL	Groundwater	8260C
VPB163-TB-011216	SJ0344-1	Trip Blank	8260C
VPB163-GW-011216-658-660	SJ0344-2	Groundwater	8260C
VPB163-GW-011216-678-680	SJ0344-3	Groundwater	8260C
VPB163-GW-011316-698-700	SJ0344-4	Groundwater	8260C
VPB163-GW-011316-718-720	SJ0344-5	Groundwater	8260C
VPB163-GW-011416-738-740	SJ0344-6DL	Groundwater	8260C
VPB163-TB-011516	SJ0411-1	Trip Blank	8260C
VPB163-GW-011516-763-765	SJ0411-2DL	Groundwater	8260C
VPB163-GW-011516-778-780	SJ0411-3DL	Groundwater	8260C
VPB163-GW-011516-798-800	SJ0411-4	Groundwater	8260C
VPB163-GW-011816-818-820	SJ0411-5DL	Groundwater	8260C
VPB163-TB-011916	SJ0528-1	Trip Blank	8260C
VPB163-GW-011916-838-840	SJ0528-2	Groundwater	8260C
VPB163-GW-012016-858-860	SJ0528-3	Groundwater	8260C
VPB163-GW-012116-878-880	SJ0528-4	Groundwater	8260C
VPB163-TB-012616	SJ0690-1	Trip Blank	8260C
VPB163-GW-012616-918-920	SJ0690-2DL	Groundwater	8260C
VPB163-GW-012716-938-940	SJ0690-3DL	Groundwater	8260C
VPB163-GW-012716-958-960	SJ0690-4DL	Groundwater	8260C
VPB163-TB-121515	TI0216-1	Trip Blank	8260C
VPB163-FB-121515	TI0216-2	Field Blank	8260C, 5310B
VPB163-GW-121615-58-60	TI0216-3	Groundwater	8260C
VPB163-TB-121815	TI0291-1	Trip Blank	8260C
VPB163-GW-121815-118-120	TI0291-2	Groundwater	8260C
VPB163-GW-121815-158-160	TI0291-3	Groundwater	8260C
VPB163-GW-122115-198-200	TI0291-4	Groundwater	8260C
VPB163-GWD-122115	TI0291-5	Field Duplicate	8260C
VPB163-122115-218-220	TI0291-6	Groundwater	8260C
VPB163-SOIL-122115-223-225	TI0291-7	Soil	9060A, 2540G
VPB163-SOIL-DUP-122115	TI0291-8	Field Duplicate	9060A, 2540G
VPB163-EB-122115	TI0291-9	Equipment Blank	8260C, 5310B
VPB163-TB-122215	TI0383-1	Trip Blank	8260C
VPB163-GW-122215-238-240	TI0383-2	Groundwater	8260C

Sample ID	Lab ID	Matrix/Sample Type	Analysis
VPB163-GW-122215-258-260	TI0383-3	Groundwater	8260C
VPB163-GW-122915-338-340	TI0459-1DL	Groundwater	8260C
VPB163-GW-122915-358-360	TI0459-2DL	Groundwater	8260C
VPB163-GW-122915-378-380	TI0459-3	Groundwater	8260C
VPB163-TB-122915	TI0459-4	Trip Blank	8260C
VPB163-GW-123015-398-400	TI0459-5	Groundwater	8260C
VPB163-GW-123015-418-420	TI0459-6	Groundwater	8260C
VPB163-GW-123015-438-440	TI0459-7	Groundwater	8260C

Data validation activities were conducted using the following guidance documents: *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 8260C, Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry* (U.S. EPA, 2006), *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 9060A, Total Organic Carbon* (U.S. EPA, 1996), *Method SM5310B, Total Organic Carbon by High-Temperature Combustion, U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (NFG, June 2008), *U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review* (NFG, January 2010), and Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 4.2 (October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements and/or professional judgment were used as appropriate.

REVIEW ELEMENTS

The data were evaluated based on the following parameters (where applicable to the method):

- ✗ Data completeness (chain-of-custody)/sample integrity
- ✓ Holding times and sample preservation
- ✓ Gas chromatography/Mass spectrometer performance checks
- ✗ Initial calibration (ICAL) /initial calibration verification (ICV)/continuing calibration verification (CCV)
- ✗ Laboratory blanks/field blanks/equipment blanks/trip blanks
- ✓ Surrogate spike recoveries
- ✗ Matrix spike and/or matrix spike duplicate results
- ✗ Laboratory control sample/laboratory control sample duplicate results
- ✗ Field duplicates

✓ Internal standards

✓ Sample results/reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. Acceptable data parameters for which all criteria were met and no qualification was performed and non-conformance or other issues that were noted during validation, but did not result in qualification of data are not discussed further. The symbol (✗) indicates that a QC non-conformance resulted in the qualification of data. Any QC non-conformance that resulted in the qualification of data is discussed below.

RESULTS

Data Completeness/Sample Integrity

The data package was reviewed and found to meet acceptance criteria for completeness:

- the COCs were reviewed for completeness of information relevant to the samples and requested analyses, and for signatures indicating transfer of sample custody;
- the laboratory sample login sheet(s) were reviewed for issues potentially affecting sample integrity, including the condition of sample containers upon receipt at the laboratory;
- completeness of analyses was verified by comparing the reported results to the COC request.

Below shows a list of samples that were mostly comprised of soil in all vials and not very much liquid:

- Sample SJ0035-3 and-4 vials contained mostly soil and not much liquid. Two vials (vials A and B) for SJ0035-3 and three vials (Vials A, B, and C) for SJ10035-4 was decanted, compounded into one vial for each sample and analyzed. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample SJ0227-4 vials contained mostly soil and not much liquid. All vials for SJ0227-4 was decanted, compounded into one vial and analyzed at a dilution of 1:5. Sample SJ0227-3 vials contained mostly soil and not much liquid. One vial (vial A) was decanted and analyzed. All detects for samples SJ0227-3 and -4 were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample SJ0344-2, 3-, -4 and -6 vials contained mostly soil and not much liquid. One vial (vial A) for SJ0344-2, 3-, and -4 was decanted and analyzed. All vials for sample SJ0344-6 was decanted, compounded into one vial and analyzed at a dilution of 1:4. All detects for samples SJ0344-2, 3-, -4 and -6 were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

- Sample SJ0411-2 to 5 vials contained mostly soil and not much liquid. All vials for each sample SJ0411-2 to 5 was decanted, compounded into one vial for each sample and analyzed. Samples SJ0411-2, -3, and -5 were analyzed at a dilution of 1:3, 1:2, and 1:2. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

- Sample SJ0528-2 and 4 vials contained mostly soil and not much liquid. Two vials for sample SJ0528-2 was decanted, compounded into one vial and analyzed. All vials for sample SJ0528-4 was decanted, compounded into one vial and analyzed at a dilution of 1:20. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

- Samples SJ0690-2,-3, and -4 vials contained mostly soil and not much liquid. All vials for samples SJ0690-2,-3, and -4 was decanted, compounded into one vial for each sample and analyzed at a dilution of 1:6.7, 1:4, and 1:11.4. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

- Sample TI0459-1 and-2 vials contained mostly soil and not much liquid. All vials (vials A, B, and C) for TI0459-1 and -2 was decanted, compounded into one vial for each sample and analyzed at a dilution of 1:3.3 and 1:2.5. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

- Sample TI0291-6 vials contained mostly soil and not much liquid. Two vials (vials A and B) for TI0291-6 was decanted and analyzed. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

- Sample TI0383-2 vials contained mostly soil and not much liquid. Two vials for TI0383-2 (vials A and B) was decanted, compounded into one vial for each sample and analyzed. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

Initial Calibration/Continuing Calibration Verification

Calibration data were reviewed for conformance with the QC acceptance criteria to ensure that:

- The ICAL percent relative standard deviation, correlation coefficient/coefficient of determination, and/or response factor method acceptance criteria were met

- The ICV standard percent recovery acceptance criteria were met

- The CCV method percent difference or percent drift and response factor acceptance criteria were met

- The retention time method acceptance criteria were met

Data qualification to the analytes associated with the specific ICAL was as follows:

ICAL Linearity Non-conformance:

Criteria	Actions	
	Detected Results	Non-detected Results
%RSD >15% and quantitation based on mean response factor	J	UJ

Notes:
%RSD = Relative standard deviation
J = Estimated
UJ = Undetected and estimated

Data qualification to the analytes associated with the specific ICV was as follows:

ICV Recovery Non-conformance:

Criteria	Actions	
	Detected Results	Non-detected Results
Recovery >120%	J	UJ
Recovery < 80%	J	UJ

Notes:
J = Estimated
UJ = Undetected and estimated

Data qualification to the analytes associated with the specific CCV was as follows:

CCV Linearity Non-conformance:

Criteria	Actions	
	Detected Results	Non-detected Results
%Difference or %Drift > 20%	J	UJ

Notes:
J = Estimated
UJ = Undetected and estimated

ICAL, ICV and CCV non-conformances are summarized in Attachment A in Tables A-1, A-2, and A-3.

Laboratory Blanks/Equipment Blanks/ Field Blanks/Trip Blanks

Laboratory blanks, equipment blanks, field blanks, and trip blanks were analyzed with samples to assess contamination imparted by sample preparation and/or analysis. All results associated with a particular blank were evaluated to determine whether there was an inherent variability in the data, or if a problem was an isolated occurrence that did not affect the data. Samples were flagged in accordance with *Functional Guidelines* (shown below) where detections were not believed to be site-related.

Blank Non-conformance Charts:

For common lab contaminants (methylene chloride, acetone, 2-butanone):			
Blank type	**Blank result**	**Sample result**	**Action for samples**
Method, Storage, Trip, Field, or Equipment	Detects	Not detected	No qualification
	≤ 2x LOQ	< 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ and ≤ 4x the LOQ	Report the sample result with a U**
		≥ 4x the LOQ	No qualifications
	> 2x LOQ	< LOD	Report sample LOD value with a U**
		≥ LOD and < 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ and < blank contamination	Report the blank result with a U or reject the sample result as unusable R
		≥ 2x LOQ and ≥ blank contamination	If the result is ≤2x blank result, report the sample result U.** If the result is > 2x blank result, no qualification is required. **
****Based on Resolution Consultants professional judgment**			

For all other compounds:			
Blank type	**Blank result**	**Sample result**	**Action for samples**
Method, Storage, Trip, Field, or Equipment	Detects	Not detected	No qualification
	< 2x LOQ	< 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ	Use professional judgment
	> 2x LOQ	< 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ and < blank contamination	Report the blank result with a U or reject the sample result as unusable R
		≥ 2x LOQ and ≥ blank contamination	If the result is ≤2x blank result, report the sample result U. If the result is > 2x blank result, no qualification is required.
	= 2x LOQ	< 2x LOQ	Report sample LOQ value with a U
		≥ 2x LOQ	Use professional judgment
	Gross contamination	Detects	Qualify results as unusable R

Notes:

LOQ	=	Limit of quantitation
LOD	=	Limit of detection
U	=	Undetected
R	=	Rejected

Lab blank and trip blank non-conformances are summarized in Attachment A in Table's A-4 and A-5.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results

MS/MSDs are generated to provide information about the effect of each sample matrix on the sample preparation and the measurement methodology. MS/MSD percent recoveries (%Rs) assess the effect of the sample matrix on the accuracy of the analytical results and %Rs above the laboratory control

limit could indicate a potential high result bias while %Rs below QC limits could indicate a potential low result bias. The relative percent differences (RPDs) between the MS and MSD results are evaluated to assess sample precision. The MS/MSD %Rs and RPDs were reviewed for conformance with the QC acceptance criteria. Data qualification to the analytes associated with the specific MS/MSD non-conformances were as follows:

MS/MSD Non-conformances Chart:

Criteria	Action	
	Detected Compounds	Non-detected Compounds
%R>Upper Limit	J	No qualification
20% ≤ %R < Lower Limit	J	UJ
%R <20%	J	Rejected

Notes:
%R = Percent recovery
RPD = Relative percent difference
J = Estimated
UJ = Undetected and estimated

MS/MSD non-conformances are summarized in Attachment A in Table A-6.

Laboratory Control Samples / Laboratory Control Sample Duplicate

LCS %Rs is used to monitor the overall accuracy and performance of each step during analysis, including sample preparation. The laboratory analyzed LCSs in duplicate when matrix spike/matrix spike duplicates were not reported. In these instances, the laboratory determined precision between the duplicated values. Data qualification to the analytes associated with the specific LCS/LCS duplicate was as follows:

Laboratory Control Sample / Laboratory Control Sample Duplicate Non-conformance Chart:

Criteria	Action	
	Detected	Non-detected
% R or RPD > UL	J	No qualification
%R < LL	J	UJ
%R < 20%	J	Rejected

Notes:
%R = Percent recovery
RPD = Relative percent difference
UL = Upper limit
LL = Lower limit
J = Estimated
UJ = Undetected and estimated

Non-conformance is summarized in Attachment A in Table A-7.

Field Duplicate

Three field duplicate pairs were collected to assess precision: VPB163-SOIL-122115-223-225/VPB163-SOIL-DUP-122115, VPB163-GW-122115-198-200/VPB163-GWD-122115, and VPB163-GW-010516-538-540/VPB163-GWD-010516. Field duplicate RPDs were reviewed for conformance with the Resolution Consultants QC criteria of ≤30% for aqueous matrices and ≤50% for solid matrices. These criteria apply if both results were greater than two times the limit of quantitation (LOQ). Data qualification to the analytes associated with the specific field duplicate RPDs was as follows:

Field Duplicate Non-conformances Chart:

Criteria	RPD	Action	
		Detected	Non-
Sample and duplicate are non-detect	Not calculable (NC)	No qualification	No qualification
Sample and duplicate results ≥2x LOQ	>30 (aqueous)	J	Not Applicable
	>50 (solids)		
If sample or duplicate result is >2x LOQ and the other is not detected	NC	J	UJ
If sample or duplicate result is <2x LOQ and the other is not detected	NC	No qualification	No qualification

Notes:

LOQ	=	Limit of quantitation
J	=	Estimated
UJ	=	Undetected and estimated

Field duplicate non-conformances are summarized in Attachment A in Table A-8.

Qualifications Actions

The data were reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation but greater than the method detection limit were qualified by the laboratory as estimated (J). This "J" qualifier was retained during data validation. Any sample that was analyzed at a dilution because of high concentrations of target or non-target analytes was checked to confirm that the results and/or sample-specific limit of quantitation and limit of detections were adjusted accordingly by the laboratory.

No results were rejected; therefore, analytical completeness was calculated to be 100 percent. Data not qualified during data review are considered usable by the project. The remaining results qualified as estimated may be high or low, but the data are usable for their intended purpose, according to

U.S. EPA and Department of Defense guidelines. Final data review qualifiers used to describe results and how they should be interpreted by the end data user are provided in Attachment B and Attachment C. Attachment D provides final results after data review.

ATTACHMENTS

Attachment A: Non-Conformance Summary Tables
Attachment B: Qualifier Codes and Explanations
Attachment C: Reason Codes and Explanations
Attachment D: Final Results after Data Review

Attachment A
Non-Conformance Summary Tables

Table A-1
Initial Calibration Non-Conformance

SDG	Method	Analyte	Instrument ID/ Date	%RSD	Limit	Associated Samples	Qualifiers
SJ0035	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	**15.13611**	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0150	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	**15.13611**	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0227	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	**15.13611**	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	ACETONE	GCMS-C / 01/12/2016	**15.55622**	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0411	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	**15.13611**	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	ACETONE	GCMS-C / 01/12/2016	**15.55622**	<15%	All samples in SDG	Detects: J Non-detects: UJ
TI0459	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	**15.13611**	<15%	All samples in SDG	Detects: J Non-detects: UJ

Notes:
SDG = Sample delivery group
%RSD = Relative standard deviation
GCMS = Gas chromatography mass spectrometer
Bold = Outside control limits
J = Detected estimated value
UJ = Non-detect estimated value

Table A-2
Initial Calibration Verification Non-Conformance

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Qualifier
SJ0035	8260C	ACETONE	P4114A.D	**72.62**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0150	8260C	ACETONE	P4114A.D	**72.62**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0227	8260C	ACETONE	P4114A.D	**72.62**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	DICHLORODIFLUOROMETHANE	C6583.D	**73.3**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	ACETONE	C6583.D	**126.74**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	2-BUTANONE	C6583.D	**137.92**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	4--METHYL-2-PENTANONE	C6583.D	**141.53**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	2-HEXANONE	C6583.D	**147.13**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0411	8260C	ACETONE	P4114A.D	**72.62**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	DICHLORODIFLUOROMETHANE	C6583.D	**73.3**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	ACETONE	C6583.D	**126.74**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	2-BUTANONE	C6583.D	**137.92**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	4-METHYL-2-PENTANONE	C6583.D	**141.53**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	2-HEXANONE	C6583.D	**147.13**	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0690	8260C	CARBON DISULFIDE	C6779.D	**126.13**	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
SJ0690	8260C	ACETONE	C6779.D	**178.26**	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
SJ0690	8260C	1,2-DIBROMO-3-CHLOROPROPANE	C6779.D	**170.21**	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
SJ0690	8260C	2-BUTANONE	C6779.D	**170.21**	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ

Table A-2
Initial Calibration Verification Non-Conformance

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Qualifier
SJ0690	8260C	4-METHYL-2-PENTANONE	C6779.D	**152.91**	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
SJ0690	8260C	2-HEXANONE	C6779.D	**171.82**	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
TI0459	8260C	ACETONE	P4114A.D	**72.62**	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0216	8260C	DICHLORODIFLUOROMETHANE	T5935.D	**162.37**	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0216	8260C	CHLOROMETHANE	T5935.D	**121.19**	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0216	8260C	VINYL CHLORIDE	T5935.D	**133.85**	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0216	8260C	TRICHLOROFLUOROMETHANE	T5935.D	**135.28**	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0291	8260C	TETRACHLOROETHENE	P3840.D	**150.8**	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0383	8260C	ACETONE	P4114A.D	**72.62**	80-120	All samples in SDG	Detects: J Non-detects: UJ

Notes:
SDG = Sample delivery group
ICV = Initial calibration verification
%R = Percent recovery
Bold = Outside control limits
J = Detected estimated value
UJ = Non-detect estimated value

Table A-3 Continuing Calibration Verification Non-Conformance						
SDG	**Lab ID /Calibration ID**	**Analyte**	**%D**	**%D Limit**	**Associated Samples**	**Qualifier**
SJ0150	WG177155-4 / P4306.D	ACETONE	**-21.16617**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	WG177512-4 / C6614.D	1,2-DIBROMO-3-CHLOROPROPANE	**20.53075**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0411	WG177684-4 / P4430.D	DICHLORODIFLUOROMETHANE	**21.65656**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0411	WG177684-4 / P4430.D	BROMOMETHANE	**20.94324**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	WG177865-4 / GCMS-C	CHLOROMETHANE	**-20.69154**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	WG177865-4 / GCMS-C	CHLOROETHANE	**21.84821**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0690	WG178183-4 / GCMS-C	TETRACHLOROETHENE	**-24.13647**	+/- 20	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	DICHLORODIFLUOROMETHANE	**-29.24389**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	1,1-DICHLOROETHENE	**-20.28144**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	CHLOROMETHANE	**-26.55384**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	CHLOROETHANE	**-26.51066**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	CARBON DISULFIDE	**-22.97831**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	ACETONE	**-26.54696**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	VINYL CHLORIDE	**-22.30837**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0216	WG176463-4 / GCMS-T	DICHLORODIFLUOROMETHANE	**29.29626**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0216	WG176463-4 / GCMS-T	TRICHLOROFLUOROMETHANE	**20.32873**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0291	WG176617-4 / GCMS-P	CHLOROETHANE	**21.44437**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0291	WG176617-4 / GCMS-P	4-METHYL-2-PENTANONE	**21.73965**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0291	WG176617-4 / GCMS-P	TETRACHLOROETHENE	**-21.36358**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0383	WG176780-4 / GCMS-P	ACETONE	**-32.1413**	+/- 20	All samples in SDG	Detects: J Non-detects: UJ

Notes:

SDG = Sample delivery group
%D = Percent difference
Bold = Outside control limit
UJ = Non-detect estimated value
J = Detected estimated value

Table A-4 Lab Blank Non-Conformance						
Blank	**Batches**	**Analyte**	**Blank Result**	**Units**	**Detected Associated Samples**	**Qualifier**
WG177533-1-SJ0150	WG177533	TOTAL ORGANIC CARBON	0.18	MG_L	VPB163-EB-010616	U
WG177512-2-SJ0344	WG177512	CARBON DISULFIDE	0.48	UG_L	VPB163-GW-011216-658-660 VPB163-GW-011216-678-680 VPB163-GW-011316-698-700 VPB163-GW-011316-718-720 VPB163-GW-011416-738-740 VPB163-TB-011216	U
WG178183-2-SJ0690	WG178183	CARBON DISULFIDE	0.49	UG_L	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	U
WG176479-1-TI0216	WG176479	TOTAL ORGANIC CARBON	0.10	MG_L	VPB163-FB-121515	U

Notes:

MG_L = Milligram per liter
UG_L = Microgram per liter
U = Associated sample qualified non-detect "U".

Table A-5
Trip Blank Non-Conformance

SDG	Blank	Lab Sample ID	Method	Analyte	Blank Result	QL	Units	Detected Associated Samples	Qualifier
SJ0227	VPB163-TB-010816	SJ0227-1	8260C	ACETONE	2.4	5	UG_L	VPB163-GW-010816-603-605 VPB163-GW-011116-618-620	U
SJ0344	VPB163-TB-011216	SJ0344-1	8260C	ACETONE	3.3	5.0	UG_L	VPB163-GW-011216-658-660	None (a)
								VPB163-GW-011216-678-680	None (a)
								VPB163-GW-011316-698-700	None (a)
								VPB163-GW-011416-738-740	U
SJ0344	VPB163-TB-011216	SJ0344-1	8260C	CARBON DISULFIDE	0.38	1.0	UG_L	VPB163-GW-011216-658-660	U
								VPB163-GW-011216-678-680	U
								VPB163-GW-011316-698-700	U
								VPB163-GW-011316-718-720	U
								VPB163-GW-011416-738-740	U
SJ0690	VPB163-TB-012616	SJ0690-1	8260C	CARBON DISULFIDE	0.48	1.0	UG_L	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960	U

Notes:

SDG = Sample delivery group
QL = Quantitation limit
UG_L = Micrograms per liter
None (a) = No qualifier applied to associated sample. Professional judgement used: blank was < 2 times the LOQ and associated sample result was > 2 times the LOQ.
U = Sample qualified non-detected

Table A-6
Matrix Spike / Matrix Spike Duplicate Non-Conformance

SDG	Method	Spiked Sample	Analyte	Sample Result (µg/L)	Spike Added	MS %R	MSD %R	%R Limits	%R Limits	RPD	RPD Limit	Qualifiers
SJ0150	8260C	VPB163-GW-010516-538-540	2-HEXANONE	<2.5	50.0	**27.2**	66.4	55	130	**84**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	METHYLENE CHLORIDE	<2.5	50.0	**46.4**	75.2	55	140	**47**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CIS-1,2-DICHLOROETHENE	<0.50	50.0	**48.6**	81.4	70	125	**50**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	DICHLORODIFLUOROMETHANE	<1.0	50.0	52.4	87.2	30	155	**50**	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	1,2,4-TRICHLOROBENZENE	<0.50	50.0	**49.8**	91.6	65	135	**59**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CHLOROBENZENE	<0.50	50.0	**50.6**	86.4	80	120	**52**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CHLOROETHANE	<1.0	50.0	**51**	82.8	60	135	**48**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	BROMOMETHANE	<1.0	50.0	50.4	92.6	30	145	**59**	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	1,1-DICHLOROETHANE	<0.50	50.0	**52.4**	88.2	70	135	**51**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CIS-1,3-DICHLOROPROPENE	<0.50	50.0	**46.2**	85	70	130	**59**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DIBROMO-3-CHLOROPROPANE	<0.75	50.0	**45.2**	78.8	50	130	**54**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	METHYL ACETATE	<0.75	50.0	**33.4**	**43.4**	70	132	26	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	ISOPROPYLBENZENE	<0.50	50.0	**53.2**	95.6	75	125	**57**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TRANS-1,2-DICHLOROETHENE	<0.50	50.0	**51**	88.2	60	140	**53**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	BENZENE	<0.50	50.0	**52.4**	86.4	80	120	**49**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DICHLOROPROPANE	<0.50	50.0	**47.6**	83	75	125	**54**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	O-XYLENE	<0.50	50.0	**54**	95.8	80	120	**56**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	VINYL CHLORIDE	<1.0	50.0	54	89	50	145	**49**	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	ACETONE	**3.3**	50.0	**31.4**	58.6	40	140	**53**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,3-DICHLOROBENZENE	<0.50	50.0	**49.6**	85.4	75	125	**53**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1-DICHLOROETHENE	<0.50	50.0	**47.8**	79.6	70	130	**50**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1,2-TRICHLOROETHANE	<0.50	50.0	**51**	85.2	75	125	**50**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CYCLOHEXANE	<0.50	50.0	**57.4**	100	71	133	**54**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TOLUENE	<0.50	50.0	**51.2**	86.6	75	120	**51**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TRICHLOROFLUOROMETHANE	<1.0	50.0	**58**	97.4	60	145	**51**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CARBON TETRACHLORIDE	<0.50	50.0	**55.2**	97.8	65	140	**56**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DICHLOROETHANE	<0.50	50.0	**50.8**	85.8	70	130	**51**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DICHLOROETHENE, TOTAL	<1.0	100	**49.8**	84.8	84	121	**52**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TRANS-1,3-DICHLOROPROPENE	<0.50	50.0	**46.6**	82.8	55	140	**56**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	XYLENES, TOTAL	<1.5	150	**53.2**	94	89	116	**55**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	METHYL CYCLOHEXANE	<0.50	50.0	**47.6**	**54.6**	73	125	14	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	STYRENE	<0.50	50.0	**50.6**	88.2	65	135	**54**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CHLOROMETHANE	<1.0	50.0	50.4	82.6	40	125	**48**	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	METHYL TERT-BUTYL ETHER	<0.50	100	**40**	**63.1**	65	125	**45**	30	J

Table A-6
Matrix Spike / Matrix Spike Duplicate Non-Conformance

SDG	Method	Spiked Sample	Analyte	Sample Result (µg/L)	Spike Added	MS %R	MSD %R	%R Limits	%R Limits	RPD	RPD Limit	Qualifiers
SJ0150	8260C	VPB163-GW-010516-538-540	DIBROMOCHLOROMETHANE	<0.50	50.0	**52.6**	90.2	60	135	**53**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	4-METHYL-2-PENTANONE	<2.5	50.0	**46**	87.6	60	135	**62**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,4-DICHLOROBENZENE	<0.50	50.0	**48**	84.4	75	125	**55**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TETRACHLOROETHENE	<0.50	50.0	46.8	80.8	45	150	**53**	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	ETHYLBENZENE	<0.50	50.0	**52.4**	91	75	125	**54**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	M- AND P-XYLENE	<1.0	100	**52.8**	93.2	75	130	**55**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	BROMOFORM	<0.50	50.0	**51**	92.2	70	130	**58**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CARBON DISULFIDE	<0.50	50.0	52.4	90.2	35	160	**53**	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	BROMODICHLOROMETHANE	<0.50	50.0	**51.6**	86.6	75	120	**51**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CHLOROFORM	<0.50	50.0	**50.4**	83.6	65	135	**50**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1,1-TRICHLOROETHANE	<0.50	50.0	**49**	88	65	130	**57**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DIBROMOETHANE	<0.50	50.0	**51**	86.8	80	120	**52**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1,2,2-TETRACHLOROETHANE	<0.50	50.0	**48.2**	84.2	65	130	**54**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	<0.50	50.0	**41.2**	**46.4**	73	126	12	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DICHLOROBENZENE	<0.50	50.0	**49.6**	87.2	70	120	**55**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TRICHLOROETHENE	<0.50	50.0	**50.4**	83.8	70	125	**50**	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	2-BUTANONE	<2.5	50.0	44	76.6	30	150	**54**	30	None (a)

Notes:

MS	=	Matrix spike
MSD	=	Matrix spike duplicate
µg/L	=	Micrograms per liter
%R	=	Percent recovery
Bold	=	Outside control limits
J	=	Estimated
None (a)	=	No qualification applied, RPD is greater than the acceptance limit and the unspiked parent sample is non-detect.

Table A-7
Laboratory Control Sample / Laboratory Control Sample Duplicate Non-Conformance

SDG	Method	LCS	Batch	Analyte	%R	Lower Limits	Upper Limits	Associated Samples	Qualifiers
SJ0528	8260C	WG177865-1-SJ0528	PREP: WG177865	4-METHYL-2-PENTANONE	**136**	60	135	All samples in SDG	None (a)
SJ0528	8260C	WG177865-1-SJ0528	PREP: WG177865	2-HEXANONE	**138**	55	130	All samples in SDG	None (a)
SJ0528	8260C	WG177865-1-SJ0528	PREP: WG177865	ACETONE	**147**	40	140	All samples in SDG	VPB163-GW-011916-838-840: J

Notes:

SDG	=	Sample delivery group
LCS	=	Laboratory control sample
%R	=	Percent recovery
Bold	=	Outside control limits
None (a)	=	No qualification applied. %R is greater than the upper control limit and the associated samples are non-detect for the analyte.
J	=	Estimated value

Table A-8
Field Duplicate Non-Conformance

SDG	Analyte	Sample ID	Dup ID	Sample Result	Dup Result	Units	RPD	RPD >50?	Qualifier
TI0291	TOTAL ORGANIC CARBON	VPB163-SOIL-122115-223-225	VPB163-SOIL-DUP-122115	710	1900	UG_G	91.2	Yes	J

Notes:

SDG	=	Sample delivery group
RPD	=	Relative percent difference
J	=	Estimated value

Attachment B
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 C
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
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Deviation from the method
md	MS/MSD RPDs
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

Attachment D
Final Results after Data Review

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

		Sample Delivery Group		SJ0035		
		Lab ID		SJ0035-1		
		Sample ID		VPB163-TB-123115		
		Sample Date		12/31/2015		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	UJ	c
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0150		
		Lab ID		SJ0150-1		
		Sample ID		VPB163-TB-010516		
		Sample Date		1/5/2016		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	UJ	c
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0150		
		Lab ID		SJ0150-6		
		Sample ID		VPB163-EB-010616		
		Sample Date		1/6/2016		
		Sample Type		Equipment Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	0.5	UJ	bl
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	UJ	c
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0227		
		Lab ID		SJ0227-1		
		Sample ID		VPB163-TB-010816		
		Sample Date		1/8/2016		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	2.4	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	UJ	c
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0344		
		Lab ID		SJ0344-1		
		Sample ID		VPB163-TB-011216		
		Sample Date		1/12/2016		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	UJ	c
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	UJ	c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	c
8260C	ACETONE	67-64-1	UG_L	3.3	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	UJ	bl
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
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RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0411		
		Lab ID		SJ0411-1		
		Sample ID		VPB163-TB-011516		
		Sample Date		1/15/2016		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	UJ	c
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
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RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0528		
		Lab ID		SJ0528-1		
		Sample ID		VPB163-TB-011916		
		Sample Date		1/19/2016		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	UJ	c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	c
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	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	UJ	c
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
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Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		SJ0690		
		Lab ID		SJ0690-1		
		Sample ID		VPB163-TB-012616		
		Sample Date		1/26/2016		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	UJ	c
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	UJ	c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	c
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	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	bl,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	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	UJ	c
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0216		
		Lab ID		TI0216-1		
		Sample ID		VPB163-TB-121515		
		Sample Date		12/15/2015		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
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Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TI0216		
		Lab ID		TI0216-2		
		Sample ID		VPB163-FB-121515		
		Sample Date		12/15/2015		
		Sample Type		Field Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	0.5	UJ	bl
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	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
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Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TI0291		
		Lab ID		TI0291-1		
		Sample ID		VPB163-TB-121815		
		Sample Date		12/18/2015		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	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	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	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	UJ	c
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
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Final Results after Data Review
NWIRP Bethpage OU 2 Regional Groundwater Investigation

		Sample Delivery Group		TI0291		
		Lab ID		TI0291-9		
		Sample ID		VPB163-EB-122115		
		Sample Date		12/21/2015		
		Sample Type		Equipment Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	0.1	J	
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	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	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	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	UJ	c
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0383		
		Lab ID		TI0383-1		
		Sample ID		VPB163-TB-122215		
		Sample Date		12/22/2015		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0459		
		Lab ID		TI0459-4		
		Sample ID		VPB163-TB-122915		
		Sample Date		12/29/2015		
		Sample Type		Trip Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
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	UJ	c
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	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	UJ	c
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	UJ	c
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	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

NA = Not Analyzed
MG_L = Milligrams per liter
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0035		
		Lab ID		SJ0035-2		
		Sample ID		VPB163-GW-123115-458-460		
		Sample Date		12/31/2015		
		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	2.4	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	UJ	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0035		
		Lab ID		SJ0035-3		
		Sample ID		VPB163-GW-123115-478-480		
		Sample Date		12/31/2015		
		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	2.4	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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0035		
		Lab ID		SJ0035-4		
		Sample ID		VPB163-GW-010416-503-505		
		Sample Date		1/4/2016		
		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	6.2	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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0150		
		Lab ID		SJ0150-2		
		Sample ID		VPB163-GW-010516-518-520		
		Sample Date		1/5/2016		
		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	0.5	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	UJ	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0150		
		Lab ID		SJ0150-3		
		Sample ID		VPB163-GW-010516-538-540		
		Sample Date		1/5/2016		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	m
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	m
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	m
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	m
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	m
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	m
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	m
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	m
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	m
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	m
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	m
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	m
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	m
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	m
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	m
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	m
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	m
8260C	ACETONE	67-64-1	UG_L	3.3	J	m,md,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	m
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	m
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	m
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	UJ	m
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	m
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	m
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	m
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	m
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	m
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	m
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	m
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	m
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	m
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	m
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	m
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	m
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	m
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	m
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	m
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	m
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	m
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	m
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	m
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	m
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	m
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	m

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0150		
		Lab ID		SJ0150-4		
		Sample ID		VPB163-GWD-010516		
		Sample Date		1/5/2016		
		Sample Type		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	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	2.6	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	UJ	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0150		
		Lab ID		SJ0150-5		
		Sample ID		VPB163-GW-010616-558-560		
		Sample Date		1/6/2016		
		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	0.5	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	UJ	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0150		
		Lab ID		SJ0150-7		
		Sample ID		VPB163-GW-010716-583-585		
		Sample Date		1/7/2016		
		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	2.3	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	UJ	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0227		
		Lab ID		SJ0227-2		
		Sample ID		VPB163-GW-010816-603-605		
		Sample Date		1/8/2016		
		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	bt,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	UJ	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0227		
		Lab ID		SJ0227-3		
		Sample ID		VPB163-GW-011116-618-620		
		Sample Date		1/11/2016		
		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	bt,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	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	c,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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0227		
		Lab ID		SJ0227-4DL		
		Sample ID		VPB163-GW-011116-638-640		
		Sample Date		1/11/2016		
		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	12	UJ	c,mc
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
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	c,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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0344		
		Lab ID		SJ0344-2		
		Sample ID		VPB163-GW-011216-658-660		
		Sample Date		1/12/2016		
		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,c
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,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	14	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	bt,bl,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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0344		
		Lab ID		SJ0344-3		
		Sample ID		VPB163-GW-011216-678-680		
		Sample Date		1/12/2016		
		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,c
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,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	18	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	bt,bl,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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0344		
		Lab ID		SJ0344-4		
		Sample ID		VPB163-GW-011316-698-700		
		Sample Date		1/13/2016		
		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,c
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,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	16	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	bt,bl,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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0344		
		Lab ID		SJ0344-5		
		Sample ID		VPB163-GW-011316-718-720		
		Sample Date		1/13/2016		
		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	UJ	c
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	UJ	c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	c
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	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	bt,bl
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0344		
		Lab ID		SJ0344-6DL		
		Sample ID		VPB163-GW-011416-738-740		
		Sample Date		1/14/2016		
		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,c
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,c
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	10	UJ	bt,mc,c
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	bt,bl,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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0411		
		Lab ID		SJ0411-2DL		
		Sample ID		VPB163-GW-011516-763-765		
		Sample Date		1/15/2016		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	2.2	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	7.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	7.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	7.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	15	J	mc,c
8260C	BENZENE	71-43-2	UG_L	1.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	3	UJ	mc,c
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	3	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	3	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	3	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	1.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	3	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	2.2	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	7.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.5	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	3	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	3	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	4.5	UJ	mc

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0411		
		Lab ID		SJ0411-3DL		
		Sample ID		VPB163-GW-011516-778-780		
		Sample Date		1/15/2016		
		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,c
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,c
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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0411		
		Lab ID		SJ0411-4		
		Sample ID		VPB163-GW-011516-798-800		
		Sample Date		1/15/2016		
		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	8.6	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,c
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,c
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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0411		
		Lab ID		SJ0411-5DL		
		Sample ID		VPB163-GW-011816-818-820		
		Sample Date		1/18/2016		
		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	9	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,c
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,c
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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0528		
		Lab ID		SJ0528-2		
		Sample ID		VPB163-GW-011916-838-840		
		Sample Date		1/19/2016		
		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,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	14	J	mc,l,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,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0528		
		Lab ID		SJ0528-3		
		Sample ID		VPB163-GW-012016-858-860		
		Sample Date		1/20/2016		
		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	UJ	c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	c
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	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	UJ	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0528		
		Lab ID		SJ0528-4		
		Sample ID		VPB163-GW-012116-878-880		
		Sample Date		1/21/2016		
		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,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	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,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0690		
		Lab ID		SJ0690-2DL		
		Sample ID		VPB163-GW-012616-918-920		
		Sample Date		1/26/2016		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	3.4	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	3.4	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.4	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	3.4	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	3.4	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	3.4	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	3.4	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	5	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	3.4	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	3.4	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	3.4	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	6.7	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	3.4	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	3.4	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	3.4	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	17	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	17	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	17	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	19	J	mc,c
8260C	BENZENE	71-43-2	UG_L	3.4	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	3.4	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	3.4	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	6.7	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	3.4	UJ	bt,bl,mc,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	3.4	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	3.4	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	6.7	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	3.4	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	6.7	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.4	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	3.4	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	3.4	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	3.4	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	6.7	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	3.4	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	3.4	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	6.7	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	3.4	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	3.4	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	17	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	3.4	UJ	mc
8260C	STYRENE	100-42-5	UG_L	3.4	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	3.4	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	3.4	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	3.4	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	3.4	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	3.4	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	6.7	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	6.7	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	10	UJ	mc

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0690		
		Lab ID		SJ0690-3DL		
		Sample ID		VPB163-GW-012716-938-940		
		Sample Date		1/27/2016		
		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,c
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,c
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	16	J	mc,c
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	bt,bl,mc,c
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	3.2	J	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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		SJ0690		
		Lab ID		SJ0690-4DL		
		Sample ID		VPB163-GW-012716-958-960		
		Sample Date		1/27/2016		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	5.7	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	5.7	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	5.7	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	5.7	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	5.7	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	5.7	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	5.7	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	8.6	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	5.7	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	5.7	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	5.7	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	11	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	5.7	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	5.7	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	5.7	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	28	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	28	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	28	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	28	UJ	mc,c
8260C	BENZENE	71-43-2	UG_L	5.7	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	5.7	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	5.7	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	11	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	5.7	UJ	bt,bl,mc,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	5.7	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	5.7	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	11	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	5.7	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	11	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	5.7	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	5.7	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	5.7	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	5.7	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	11	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	5.7	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	5.7	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	11	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	8.6	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	5.7	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	5.7	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	28	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	5.7	UJ	mc
8260C	STYRENE	100-42-5	UG_L	5.7	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	5.7	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	5.7	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	5.7	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	5.7	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	5.7	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	11	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	11	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	17	UJ	mc

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0216		
		Lab ID		TI0216-3		
		Sample ID		VPB163-GW-121615-58-60		
		Sample Date		12/16/2015		
		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	5.2		
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	0.89	J	
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	0.64	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	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0291		
		Lab ID		TI0291-2		
		Sample ID		VPB163-GW-121815-118-120		
		Sample Date		12/18/2015		
		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	2.2		
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	5.4		
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	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	1.4	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	1.7	J	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0291		
		Lab ID		TI0291-3		
		Sample ID		VPB163-GW-121815-158-160		
		Sample Date		12/18/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.95	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	0.5	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	0.44	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	UJ	c
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	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	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	46	J	c
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	

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0291		
		Lab ID		TI0291-4		
		Sample ID		VPB163-GW-122115-198-200		
		Sample Date		12/21/2015		
		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	UJ	c
8260C	ACETONE	67-64-1	UG_L	3.9	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	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	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	UJ	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0291		
		Lab ID		TI0291-5		
		Sample ID		VPB163-GWD-122115		
		Sample Date		12/21/2015		
		Sample Type		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	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	5		
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	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	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	UJ	c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0291		
		Lab ID		TI0291-6		
		Sample ID		VPB163-122115-218-220		
		Sample Date		12/21/2015		
		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,c
8260C	ACETONE	67-64-1	UG_L	5.1	J	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,c
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,c
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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0383		
		Lab ID		TI0383-2		
		Sample ID		VPB163-GW-122215-238-240		
		Sample Date		12/22/2015		
		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	5.6	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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0383		
		Lab ID		TI0383-3		
		Sample ID		VPB163-GW-122215-258-260		
		Sample Date		12/22/2015		
		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	0.5	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 B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0459		
		Lab ID		TI0459-1DL		
		Sample ID		VPB163-GW-122915-338-340		
		Sample Date		12/29/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.7	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.7	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.7	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.7	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.7	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.7	UJ	mc,c
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.7	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	2.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.7	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.7	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.7	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.3	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.7	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.7	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.7	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	8.3	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	8.3	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	8.3	UJ	mc
8260C	ACETONE	67-64-1	UG_L	8.1	J	mc,c
8260C	BENZENE	71-43-2	UG_L	1.7	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.7	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.7	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	3.3	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.7	UJ	mc,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.7	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.7	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	3.3	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	1.7	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	3.3	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.7	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.7	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.7	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.7	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	3.3	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	1.7	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.7	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	3.3	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	2.5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.7	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.7	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	8.3	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.7	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.7	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.7	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1.7	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.7	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.7	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.7	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	3.3	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	3.3	UJ	mc,c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	5	UJ	mc

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0459		
		Lab ID		TI0459-2DL		
		Sample ID		VPB163-GW-122915-358-360		
		Sample Date		12/29/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.2	UJ	mc,c
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.9	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.5	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	6.2	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	6.2	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	6.2	UJ	mc
8260C	ACETONE	67-64-1	UG_L	6	J	mc,c
8260C	BENZENE	71-43-2	UG_L	1.2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2.5	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.2	UJ	mc,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2.5	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	1.2	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2.5	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.2	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.2	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.2	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.2	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2.5	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	1.2	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.2	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2.5	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.9	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.2	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.2	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	6.2	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.2	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.2	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.2	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1.2	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.2	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.2	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.2	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2.5	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2.5	UJ	mc,c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3.8	UJ	mc

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0459		
		Lab ID		TI0459-3		
		Sample ID		VPB163-GW-122915-378-380		
		Sample Date		12/29/2015		
		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	UJ	c
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	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	UJ	c
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	UJ	c
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	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0459		
		Lab ID		TI0459-5		
		Sample ID		VPB163-GW-123015-398-400		
		Sample Date		12/30/2015		
		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	UJ	c
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	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	UJ	c
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	UJ	c
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	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0459		
		Lab ID		TI0459-6		
		Sample ID		VPB163-GW-123015-418-420		
		Sample Date		12/30/2015		
		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	UJ	c
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	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	UJ	c
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	UJ	c
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	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

		Sample Delivery Group		TI0459		
		Lab ID		TI0459-7		
		Sample ID		VPB163-GW-123015-438-440		
		Sample Date		12/30/2015		
		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	UJ	c
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	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	UJ	c
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	UJ	c
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	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:
UG_L = Micrograms per liter
Qual = Final qualifiers (See Attachment B)
RC = Reason codes (See Attachment C)

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

			Sample Delivery Group	TI0291			TI0291		
			Lab ID	TI0291-7			TI0291-8		
			Sample ID	VPB163-SOIL-122115-223-225			VPB163-SOIL-DUP-122115		
			Sample Date	12/21/2015			12/21/2015		
			Sample Type	Soil			Field Duplicate		
Method	Analyte	CAS No	Units	Result	Qual	RC	Result	Qual	RC
2540G	TOTAL SOLIDS	-29	PCT	81			80		
9060A	TOTAL ORGANIC CARBON	-28	UG_G	710	J	fd	1900	J	fd

Notes:

ID = Identification
Qual = Final interpreted qualifier
RC = Validator reason code (See definition below)
PCT = Percent
UG_G = Micrograms per gram
J = Estimated value; the reported value is greater than or equal to the laboratory method limit but less than the quantitation limit.

Reason Code

fd = Flagged estimated due to field duplicate relative percent difference.

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	200-31488	
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA Method TO-15	
Validation Level:	3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 02/03/2016
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: 200-31488_TO15

SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — NWIRP Bethpage site on 1 January 2016 in accordance with the following Sampling and Analysis Plans:

- *Sampling and Analysis Plan, Bethpage, New York.* (Resolution Consultants April 2013).
- *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells, Operable Unit 2, NWIRP Bethpage, New York.* (Resolution Consultants November 2013).
- *UFP SAP Addendum, Inclusion of Additional Target Analytes for Volatile Organics Analyses, NWIRP Bethpage OU2, Bethpage, New York*. (Resolution Consultants August 2014).

Sample ID	Matrix/Sample Type	Analysis
VPB163-AIR-010716	Air	TO-15

Data validation activities were conducted using the following guidance documents: *Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters and Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)* (*U.S. EPA*, Method TO-15), *U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (NFG, June 2008), and Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 4.2 (October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements and/or professional judgment were used as appropriate.

REVIEW ELEMENTS

The data were evaluated based on the following parameters (where applicable to the method):

✓	Data completeness (chain-of-custody (COC)/sample integrity
✓	Holding times and sample preservation
✓	GC/MS performance checks
✓	Initial calibration/continuing calibration verification
✓	Laboratory blanks
NA	Matrix duplicate (MD) results
✓	Laboratory control sample (LCS) results
NA	Field duplicates
✓	Internal standards
✓	Sample results/reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. Acceptable data parameters for which all criteria were met and no qualification was performed and non-conformance or other issues that were noted during validation, but did not result in qualification of data are not discussed further.

Qualifications Actions

The data was reviewed independently from the laboratory to assess data quality and no results were qualified during this data review. Analytical completeness was calculated to be 100% and the data are usable for their intended purpose, according to U.S. EPA guidelines and Department of Defense guidelines. Attachment A provides final results after data review.

ATTACHMENTS

Attachment A: Final Results after Data Review

Attachment A
Final Results after Data Review

		Sample Delivery Group		200-31488	
		Lab ID		200-31488-1	
		Sample ID		VPB163-AIR-010716	
		Sample Date		1/7/2016	
		Sample Type		Air	
Method	Analyte	CAS No	Units	Result	Qual
TO-15	1,1,1-TRICHLOROETHANE	71-55-6	PPBV	0.29	U
TO-15	1,1,2,2-TETRACHLOROETHANE	79-34-5	PPBV	0.29	U
TO-15	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	PPBV	0.29	U
TO-15	1,1,2-TRICHLOROETHANE	79-00-5	PPBV	0.29	U
TO-15	1,1-DICHLOROETHANE	75-34-3	PPBV	0.29	U
TO-15	1,1-DICHLOROETHENE	75-35-4	PPBV	0.29	U
TO-15	1,2,4-TRICHLOROBENZENE	120-82-1	PPBV	0.73	U
TO-15	1,2-DIBROMOETHANE	106-93-4	PPBV	0.29	U
TO-15	1,2-DICHLOROBENZENE	95-50-1	PPBV	0.29	U
TO-15	1,2-DICHLOROETHANE	107-06-2	PPBV	0.29	U
TO-15	1,2-DICHLOROPROPANE	78-87-5	PPBV	0.29	U
TO-15	1,3-DICHLOROBENZENE	541-73-1	PPBV	0.29	U
TO-15	1,4-DICHLOROBENZENE	106-46-7	PPBV	0.29	U
TO-15	2-BUTANONE	78-93-3	PPBV	0.73	U
TO-15	2-HEXANONE	591-78-6	PPBV	0.73	U
TO-15	4-METHYL-2-PENTANONE	108-10-1	PPBV	0.73	U
TO-15	ACETONE	67-64-1	PPBV	7.3	U
TO-15	BENZENE	71-43-2	PPBV	1	
TO-15	BROMODICHLOROMETHANE	75-27-4	PPBV	0.29	U
TO-15	BROMOFORM	75-25-2	PPBV	0.29	U
TO-15	BROMOMETHANE	74-83-9	PPBV	0.29	U
TO-15	CARBON DISULFIDE	75-15-0	PPBV	0.73	U
TO-15	CARBON TETRACHLORIDE	56-23-5	PPBV	0.29	U
TO-15	CHLOROBENZENE	108-90-7	PPBV	0.29	U
TO-15	CHLOROETHANE	75-00-3	PPBV	0.73	U
TO-15	CHLOROFORM	67-66-3	PPBV	0.29	U
TO-15	CHLOROMETHANE	74-87-3	PPBV	0.73	U
TO-15	CIS-1,2-DICHLOROETHENE	156-59-2	PPBV	0.29	U
TO-15	CIS-1,3-DICHLOROPROPENE	10061-01-5	PPBV	0.29	U
TO-15	CYCLOHEXANE	110-82-7	PPBV	0.9	
TO-15	DIBROMOCHLOROMETHANE	124-48-1	PPBV	0.29	U
TO-15	DICHLORODIFLUOROMETHANE	75-71-8	PPBV	0.73	U
TO-15	ETHYLBENZENE	100-41-4	PPBV	0.33	
TO-15	ISOPROPYLBENZENE	98-82-8	PPBV	0.29	U
TO-15	M- AND P-XYLENE	108-38-3/106-42	PPBV	1.1	
TO-15	METHYL TERT-BUTYL ETHER	1634-04-4	PPBV	0.29	U
TO-15	METHYLENE CHLORIDE	75-09-2	PPBV	0.73	U
TO-15	O-XYLENE	95-47-6	PPBV	0.39	
TO-15	STYRENE	100-42-5	PPBV	0.29	U
TO-15	TETRACHLOROETHENE	127-18-4	PPBV	0.29	U
TO-15	TOLUENE	108-88-3	PPBV	3.4	
TO-15	TRANS-1,2-DICHLOROETHENE	156-60-5	PPBV	0.29	U
TO-15	TRANS-1,3-DICHLOROPROPENE	10061-02-6	PPBV	0.29	U
TO-15	TRICHLOROETHENE	79-01-6	PPBV	0.29	U
TO-15	TRICHLOROFLUOROMETHANE	75-69-4	PPBV	0.29	U
TO-15	VINYL CHLORIDE	75-01-4	PPBV	0.29	U
TO-15	XYLENES, TOTAL	1330-20-7	PPBV	1.5	

Notes:
PPBV = Parts per billion by volume
Qual = Final qualifier
U = The analyte was analyzed for and not detected above the reported sample quantitation limit.

Section 5

VPB163 Analytical Data Table

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		12/16/2015	12/18/2015	12/18/2015	12/21/2015
Sample ID		VPB163-GW-121615-58-60	VPB163-GW-121815-118-120	VPB163-GW-121815-158-160	VPB163-GW-122115-198-200
Sample Interval (ft bgs)		58-60	118-120	158-160	198-200
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	**0.95 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	<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	**2.2**	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	**0.44 J**	<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	**1.1 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 UJ	<2.5 UJ	<2.5 UJ
ACETONE	50	**5.2**	**5.4**	<2.5 U	**3.9 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 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	**0.89 J**	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	**1.1**	<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	**1.4 J**	<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	**0.64 J**	**1.7 J**	**46 J**	<0.50 UJ
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	**4.3**	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<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)	VPB163	VPB163	VPB163	VPB163
Sample Date		12/21/2015	12/21/2015	12/22/2015	12/22/2015
Sample ID		VPB163-GWD-122115	VPB163-122115-218-220	VPB163-GW-122215-238-240	VPB163-GW-122215-258-260
Sample Interval (ft bgs)		198-200	218-220	238-240	258-260
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 UJ***	***<0.75 UJ***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 UJ	<2.5 UJ	<2.5 U
2-HEXANONE	50	<2.5 U	<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	**5.0**	**5.1 J**	**5.6 J**	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 UJ***	***<0.50 UJ***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 UJ	<0.75 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 UJ	<2.5 UJ	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
STYRENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
TOLUENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 UJ***	***<0.50 UJ***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 UJ	<1.5 UJ	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		12/29/2015	12/29/2015	12/29/2015	12/30/2015
Sample ID		VPB163-GW-122915-338-340	VPB163-GW-122915-358-360	VPB163-GW-122915-378-380	VPB163-GW-123015-398-400
Sample Interval (ft bgs)		338-340	358-360	378-380	398-400
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	***<1.7 UJ***	***<1.2 UJ***	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 UJ	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<2.5 UJ***	***<1.9 UJ***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<3.3 UJ	<2.5 UJ	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	***<1.7 UJ***	***<1.2 UJ***	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
2-BUTANONE	50	<8.3 UJ	<6.2 UJ	<2.5 U	<2.5 U
2-HEXANONE	50	<8.3 UJ	<6.2 UJ	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<8.3 UJ	<6.2 UJ	<2.5 U	<2.5 U
ACETONE	50	**8.1 J**	**6.0 J**	<2.5 UJ	<2.5 UJ
BENZENE	1	***<1.7 UJ***	***<1.2 UJ***	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
BROMOFORM	50	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
BROMOMETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<1.7 UJ	<1.2 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
CHLOROBENZENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
CHLOROETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
CHLOROMETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<1.7 UJ***	***<1.2 UJ***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<3.3 UJ	<2.5 UJ	<1.0 U	<1.0 U
METHYL ACETATE	NL	<2.5 UJ	<1.9 UJ	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	***<8.3 UJ***	***<6.2 UJ***	<2.5 U	<2.5 U
O-XYLENE	NL	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
STYRENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<1.7 UJ***	***<1.2 UJ***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 U	<1.0 U
VINYL CHLORIDE	2	***<3.3 UJ***	***<2.5 UJ***	<1.0 UJ	<1.0 UJ
XYLENES, TOTAL	5	<5.0 UJ	<3.8 UJ	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		12/30/2015	12/30/2015	12/31/2015	12/31/2015
Sample ID		VPB163-GW-123015-418-420	VPB163-GW-123015-438-440	VPB163-GW-123115-458-460	VPB163-GW-123115-478-480
Sample Interval (ft bgs)		418-420	438-440	458-460	478-480
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	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
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	<0.50 U	<0.50 UJ
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<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	<1.0 U	<1.0 U	<1.0 U	<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 UJ	<2.5 UJ	**2.4 J**	**2.4 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 U	<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 UJ	<1.0 UJ	<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 U	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<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	<1.0 UJ	<1.0 UJ	<1.0 U	<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	<0.50 UJ	<0.50 UJ	<0.50 UJ	<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	<0.50 U	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 UJ***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
VINYL CHLORIDE	2	<1.0 UJ	<1.0 UJ	<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)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/4/2016	1/5/2016	1/5/2016	1/5/2016
Sample ID		VPB163-GW-010416-503-505	VPB163-GW-010516-518-520	VPB163-GW-010516-538-540	VPB163-GWD-010516
Sample Interval (ft bgs)		503-505	518-520	538-540	538-540
Sample type code		N	N	N	FD
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 U***	***<0.75 UJ***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<1.0 U	<1.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
2-BUTANONE	50	<2.5 UJ	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 UJ	<2.5 U	<2.5 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 U	<2.5 UJ	<2.5 U
ACETONE	50	**6.2 J**	<2.5 UJ	**3.3 J**	**2.6 J**
BENZENE	1	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
BROMOFORM	50	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 U	<1.0 UJ	<1.0 U
CHLOROFORM	7	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<0.50 UJ***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 U	<1.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<0.75 U	<0.75 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 U	<2.5 UJ	<2.5 U
O-XYLENE	NL	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
STYRENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<0.50 UJ***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 UJ	<1.5 U	<1.5 UJ	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/6/2016	1/7/2016	1/8/2016	1/11/2016
Sample ID		VPB163-GW-010616-558-560	VPB163-GW-010716-583-585	VPB163-GW-010816-603-605	VPB163-GW-011116-618-620
Sample Interval (ft bgs)		558-560	583-585	603-605	618-620
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 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	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
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	<0.50 U	<0.50 UJ
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<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	<1.0 U	<1.0 U	<1.0 U	<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 UJ	**2.3 J**	<2.5 UJ	<2.5 UJ
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 U	<0.50 U	<0.50 U	<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 U	<1.0 U	<1.0 U	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<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	<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 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	<0.50 UJ	<0.50 UJ	<0.50 UJ	<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	<0.50 U	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 UJ***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 U	<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)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/11/2016	1/12/2016	1/12/2016	1/13/2016
Sample ID		VPB163-GW-011116-638-640	VPB163-GW-011216-658-660	VPB163-GW-011216-678-680	VPB163-GW-011316-698-700
Sample Interval (ft bgs)		638-640	658-660	678-680	698-700
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2-TRICHLOROETHANE	1	***<2.5 UJ***	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1-DICHLOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1-DICHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<3.8 UJ***	***<0.75 UJ***	***<0.75 UJ***	***<0.75 UJ***
1,2-DIBROMOETHANE	NL	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROBENZENE	3	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
1,2-DICHLOROPROPANE	1	***<2.5 UJ***	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,3-DICHLOROBENZENE	3	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,4-DICHLOROBENZENE	3	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
2-BUTANONE	50	<12 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
2-HEXANONE	50	<12 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<12 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
ACETONE	50	<12 UJ	**14 J**	**18 J**	**16 J**
BENZENE	1	***<2.5 UJ***	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMODICHLOROMETHANE	50	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOFORM	50	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOMETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CARBON DISULFIDE	60	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROBENZENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROMETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***<2.5 UJ***	***<0.50 UJ***	***<0.50 UJ***	***<0.50 UJ***
CYCLOHEXANE	NL	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
ISOPROPYLBENZENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
M- AND P-XYLENE	NL	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
METHYL ACETATE	NL	<3.8 UJ	<0.75 UJ	<0.75 UJ	<0.75 UJ
METHYL CYCLOHEXANE	NL	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
METHYLENE CHLORIDE	5	***<12 UJ***	<2.5 UJ	<2.5 UJ	<2.5 UJ
O-XYLENE	NL	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
STYRENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TETRACHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<2.5 UJ***	***<0.50 UJ***	***<0.50 UJ***	***<0.50 UJ***
TRICHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRICHLOROFLUOROMETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
VINYL CHLORIDE	2	***<5.0 UJ***	<1.0 UJ	<1.0 UJ	<1.0 UJ
XYLENES, TOTAL	5	***<7.5 UJ***	<1.5 UJ	<1.5 UJ	<1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/13/2016	1/14/2016	1/15/2016	1/15/2016
Sample ID		VPB163-GW-011316-718-720	VPB163-GW-011416-738-740	VPB163-GW-011516-763-765	VPB163-GW-011516-778-780
Sample Interval (ft bgs)		718-720	738-740	763-765	778-780
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 U	***<2.0 UJ***	***<1.5 UJ***	<1.0 UJ
1,1-DICHLOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,1-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<3.0 UJ***	***<2.2 UJ***	***<1.5 UJ***
1,2-DIBROMOETHANE	NL	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2-DICHLOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 U	***<2.0 UJ***	***<1.5 UJ***	<1.0 UJ
1,3-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,4-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
2-BUTANONE	50	<2.5 UJ	<10 UJ	<7.5 UJ	<5.0 UJ
2-HEXANONE	50	<2.5 UJ	<10 UJ	<7.5 UJ	<5.0 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<10 UJ	<7.5 UJ	<5.0 UJ
ACETONE	50	<2.5 UJ	<10 UJ	**15 J**	**12 J**
BENZENE	1	<0.50 U	***<2.0 UJ***	***<1.5 UJ***	<1.0 UJ
BROMODICHLOROMETHANE	50	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
BROMOFORM	50	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
BROMOMETHANE	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
CARBON DISULFIDE	60	<0.50 UJ	<2.0 UJ	<1.5 UJ	<1.0 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
CHLOROBENZENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
CHLOROETHANE	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
CHLOROFORM	7	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
CHLOROMETHANE	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<2.0 UJ***	***<1.5 UJ***	***<1.0 UJ***
CYCLOHEXANE	NL	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
DIBROMOCHLOROMETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<4.0 UJ	<3.0 UJ	<2.0 UJ
ETHYLBENZENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
ISOPROPYLBENZENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
M- AND P-XYLENE	NL	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
METHYL ACETATE	NL	<0.75 U	<3.0 UJ	<2.2 UJ	<1.5 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
METHYLENE CHLORIDE	5	<2.5 U	***<10 UJ***	***<7.5 UJ***	<5.0 UJ
O-XYLENE	NL	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
STYRENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TETRACHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TOLUENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<2.0 UJ***	***<1.5 UJ***	***<1.0 UJ***
TRICHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
VINYL CHLORIDE	2	<1.0 U	***<4.0 UJ***	***<3.0 UJ***	<2.0 UJ
XYLENES, TOTAL	5	<1.5 U	***<6.0 UJ***	<4.5 UJ	<3.0 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/15/2016	1/18/2016	1/19/2016	1/20/2016
Sample ID		VPB163-GW-011516-798-800	VPB163-GW-011816-818-820	VPB163-GW-011916-838-840	VPB163-GW-012016-858-860
Sample Interval (ft bgs)		798-800	818-820	838-840	858-860
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<1.5 UJ***	***<0.75 UJ***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
2-BUTANONE	50	<2.5 UJ	<5.0 UJ	<2.5 UJ	<2.5 UJ
2-HEXANONE	50	<2.5 UJ	<5.0 UJ	<2.5 UJ	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<5.0 UJ	<2.5 UJ	<2.5 UJ
ACETONE	50	**8.6 J**	**9.0 J**	**14 J**	<2.5 UJ
BENZENE	1	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
BROMOFORM	50	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<1.0 UJ***	***<0.50 UJ***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<1.5 UJ	<0.75 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 UJ	<5.0 UJ	<2.5 UJ	<2.5 U
O-XYLENE	NL	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
STYRENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TOLUENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<1.0 UJ***	***<0.50 UJ***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
XYLENES, TOTAL	5	<1.5 UJ	<3.0 UJ	<1.5 UJ	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/21/2016	1/26/2016	1/27/2016	1/27/2016
Sample ID		VPB163-GW-012116-878-880	VPB163-GW-012616-918-920	VPB163-GW-012716-938-940	VPB163-GW-012716-958-960
Sample Interval (ft bgs)		878-880	918-920	938-940	958-960
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	***<3.4 UJ***	***<2.0 UJ***	***<5.7 UJ***
1,1-DICHLOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
1,1-DICHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<5.0 UJ***	***<3.0 UJ***	***<8.6 UJ***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
1,2-DICHLOROBENZENE	3	<0.50 UJ	***<3.4 UJ***	<2.0 UJ	***<5.7 UJ***
1,2-DICHLOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	***<6.7 UJ***	<4.0 UJ	***<11 UJ***
1,2-DICHLOROPROPANE	1	<0.50 UJ	***<3.4 UJ***	***<2.0 UJ***	***<5.7 UJ***
1,3-DICHLOROBENZENE	3	<0.50 UJ	***<3.4 UJ***	<2.0 UJ	***<5.7 UJ***
1,4-DICHLOROBENZENE	3	<0.50 UJ	***<3.4 UJ***	<2.0 UJ	***<5.7 UJ***
2-BUTANONE	50	<2.5 UJ	<17 UJ	<10 UJ	<28 UJ
2-HEXANONE	50	<2.5 UJ	<17 UJ	<10 UJ	<28 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<17 UJ	<10 UJ	<28 UJ
ACETONE	50	<2.5 UJ	**19 J**	**16 J**	<28 UJ
BENZENE	1	<0.50 UJ	***<3.4 UJ***	***<2.0 UJ***	***<5.7 UJ***
BROMODICHLOROMETHANE	50	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
BROMOFORM	50	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
BROMOMETHANE	5	<1.0 UJ	***<6.7 UJ***	<4.0 UJ	***<11 UJ***
CARBON DISULFIDE	60	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
CARBON TETRACHLORIDE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
CHLOROBENZENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
CHLOROETHANE	5	<1.0 UJ	***<6.7 UJ***	<4.0 UJ	***<11 UJ***
CHLOROFORM	7	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
CHLOROMETHANE	5	<1.0 UJ	***<6.7 UJ***	<4.0 UJ	***<11 UJ***
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<3.4 UJ***	***<2.0 UJ***	***<5.7 UJ***
CYCLOHEXANE	NL	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	***<6.7 UJ***	<4.0 UJ	***<11 UJ***
ETHYLBENZENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
ISOPROPYLBENZENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
M- AND P-XYLENE	NL	<1.0 UJ	<6.7 UJ	<4.0 UJ	<11 UJ
METHYL ACETATE	NL	<0.75 UJ	<5.0 UJ	**3.2 J**	<8.6 UJ
METHYL CYCLOHEXANE	NL	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
METHYLENE CHLORIDE	5	<2.5 UJ	***<17 UJ***	***<10 UJ***	***<28 UJ***
O-XYLENE	NL	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
STYRENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
TETRACHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
TOLUENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<3.4 UJ***	***<2.0 UJ***	***<5.7 UJ***
TRICHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	***<5.7 UJ***
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	***<6.7 UJ***	<4.0 UJ	***<11 UJ***
VINYL CHLORIDE	2	<1.0 UJ	***<6.7 UJ***	***<4.0 UJ***	***<11 UJ***
XYLENES, TOTAL	5	<1.5 UJ	***<10 UJ***	***<6.0 UJ***	***<17 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 interval (ft bgs): sample interval in feet below ground surface

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.

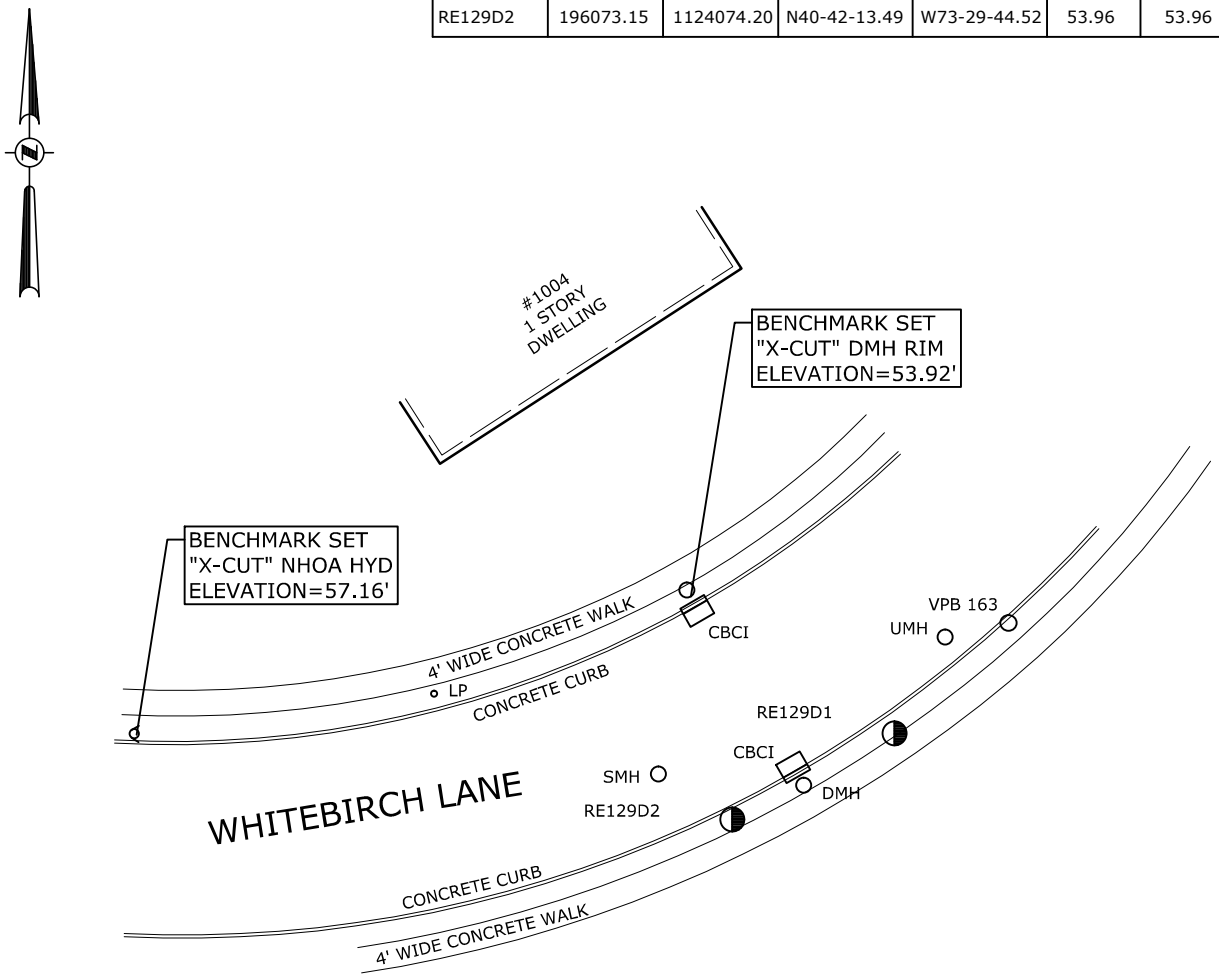
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

Section 6

VPB163 Survey

NONE :XREFS

Description	Northing	Easting	Latitude	Longitude	Ground	Rim	PVC
VPB 163	196103.89	1124117.34	N40-42-13.79	W73-29-43.96	53.94	NA	NA
RE129D1	196086.63	1124099.54	N40-42-13.62	W73-29-44.19	54.09	54.09	53.63
RE129D2	196073.15	1124074.20	N40-42-13.49	W73-29-44.52	53.96	53.96	53.52



Legend

▭	CBCI	Catch Basin Curb Inlet
○	DMH	Drainage Manhole
∘	LP	Light Pole
◑		Monitoring Well
○	SMH	Sanitary Manhole
○	UMH	Unknown Manhole
○	VPB 163	Vertical Profile Boring

Map Notes

1. Information shown hereon was compiled from an actual field survey conducted on April 27, 2016.
2. North orientation is Grid North based on the New York State Plane Coordinate System, Long Island Zone, NAD 83(2011) epoch 2010.00 as obtained from GPS observations.
3. Vertical datum shown hereon is NAVD 88(Geoid12A) as obtained from RTK GPS observations using the Queens CORS as a base station.

BAR SCALE

30 0 15 30 60

1 inch = 30 ft.

DWG NO.16-327

Date	RECORD OF WORK	Appr.

Drafter: LMK | Checker: JFC

Appr. by: JFC | Proj. No. 14.4121

VERTICAL PROFILE BORING 163 SURVEY LOCATION 1004 WHITEBIRCH LANE

TOWN OF HEMPSTEAD | NASSAU COUNTY, NEW YORK

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SCALE: 1"=30' | DATE: APRIL 27, 2016

CAD DWG. FILE NAME: K:\Projects\144121\Survey\Drawings and Maps\VPB 163.dwg