2018 OPERABLE UNIT 2 GROUNDWATER INVESTIGATION DATA SUMMARY REPORT VPB173

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
SITE 1 OPERABLE UNIT 2
BETHPAGE, NY

Prepared for:

Department of the Navy
Naval Facilities Engineering Command, Atlantic
9324 Virginia Avenue
Building Z-140
Norfolk, Virginia 23511

May 2020

2018 OPERABLE UNIT 2
GROUNDWATER INVESTIGATION
DATA SUMMARY REPORT

VPB173

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
SITE 1 OPERABLE UNIT2
BETHPAGE, NY

Prepared for:

Department of the Navy
Naval Facilities Engineering Command, Atlantic
9324 Virginia Avenue
Building Z-140
Norfolk, Virginia 23511

Prepared by:

Resolution Consultants
A Joint Venture of AECOM & EnSafe
1500 Wells Fargo Building
440 Monticello Avenue
Norfolk, Virginia 23510

Contract Number: N62470-11-D-8013
CONTRACT TASK ORDER WE15

May 2020

Brian Caldwell

Brian Caldwell
Contract Task Order Manager

Table of Contents

LIST OF ACRONYMS AND ABBREVIATIONS.....

1.0 PROJECT BACKGROUND 1

1.1 SCOPE AND OBJECTIVES 1

1.2 SITE HISTORY 1

1.3 GEOLOGY AND HYDROGEOLOGY 2

1.3.1 Depositional environment.....2
1.3.2 Stratigraphy 2
1.3.3 Hydrogeology.....3

2.0 FIELD PROGRAM.....4

2.1 VERTICAL PROFILE BORINGS 4

2.1.1 Drilling.....4
2.1.2 Sampling 4
2.1.3 Geophysics.....5

2.2 DECONTAMINATION AND INVESTIGATION DERIVED WASTE (IDW) 5

2.3 SURVEYING 7

3.0 REFERENCES 8

Tables

Table 1 Vertical Profile Boring Summary

Figures

Figure 1 General Location Map

Figure 2 VPB173 Location Map

Appendices

Appendix A VPB173

- Section 1 VPB173 Boring and Gamma Logs
- Section 2 VPB173 Gamma and PCE/TCE Plot
- Section 3 VPB173 Groundwater Sample Log Sheets
- Section 4 VPB173 Analytical Data Validation
- Section 5 VPB173 Analytical Data Table
- Section 6 VPB173 Survey

List of Acronyms and Abbreviations

AOC	Area of Concern
bgs	below ground surface
COR	Continuously Operating Reference
CSM	Conceptual Site Model
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
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 VPB173 location) in 2018 for the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Operable Unit (OU) 2 Site 1 off property 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 VPB173. The purpose of the VPB173 investigation was to ascertain subsurface conditions and contaminant levels in the off prpoerty plume south of Hempstead Turnpike and west of Hicksville Road. VPB locations within the general vicinity of VPB173 are shown in Figure 2. VPB173 was completed to 980 feet (ft) below ground surface (bgs).

Field tasks were conducted in 2018 in accordance with the *United Federal Programs Sampling and Analysis Plan (UFP SAP) Site 1 OU2 Offsite TCE Groundwater Plume Investigation*, NWIRP, Bethpage, New York (Resolution Consultants, 2013a) and the *UFP SAP Addendum Installation of Vertical Profile Borings and Monitoring Wells* (Resolution Consultants, 2013c). 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

1.3.1 Depositional Environment

Previous sequence stratigraphic studies of the New Jersey and New York Coastal Plains have shown that facies successions in the region can largely be explained by global sea level oscillations and sediment supply. The Turonian age sea level changes resulted in several phases of seaward progradation and landward retrogradation that affected the deposition and preservation of lithologic sequences in the Magothy. Periods of elevated or low sea level have a distinct effect on shoreline position and the types of deltaic facies that are deposited on the coastal plain. During high sea level, marine to distal deltaic facies tend to form. In contrast, during periods of low relative sea level, marginal to nonmarine deltaic facies are deposited.

Changes in sediment supply resulting from the tectonic uplift and weathering of the ancestral Appalachians during the Albian stage (approximately 100 million years ago) also influenced depositional environments in the region. The large influx of coarse sediments is reflected in the rapid seaward progradation of the shoreline and extensive delta plain deposits (Magothy Formation) on the New Jersey Coastal Plain.

1.3.2 Stratigraphy

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 in descending order: 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 consists of till and outwash deposits of medium to coarse sand and gravel with lenses of fine sand, silt and clay (Smolensky and Feldman, 1988); these deposits form the Upper

Glacial Aquifer. The continental deposits are considerably thicker than previously thought, ranging from 50 – 300 feet. 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 VPB173, the bottom of the Magothy (top of the Raritan Clay) is encountered at approximately 940 feet 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 groundwater 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.

1.3.3 Hydrogeology

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. Because of the presence of intermittent clay layers and the depths, the Magothy Aquifer is commonly regarded to function overall as an unconfined aquifer at shallow depths and a confined aquifer at greater 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.

Groundwater is encountered at an average 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 15 to 60 ft bgs. Depth to water in the vicinity of VPB173 is approximately

28 feet bgs based on the BPOW3-1 and BPOW3-2 well cluster. The groundwater flow in the area is to the south-southeast.

Considerable heterogeneity exists in the subsurface due to alternating depositional environments that resulted from changes in sea level and sediment supply. Laterally continuous fluvial sands and distributary mouth bars are inferred to represent high permeability units and conduits for groundwater flow/contaminant transport, however the continuity of those units is variable. Fine grained muds deposited during maximum flooding appear to correlate to contamination data peaks, potentially acting as storage units by adsorption of contamination within the matrix of fine-grained muds.

2.0 FIELD PROGRAM

Field investigation activities at VPB173 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 (VPB173) was completed during this field effort between October 2, 2018 and December 17, 2018. The total depth of VPB173 was 980 ft. The location is shown in Figure 2 and details are summarized in Table 1.

2.1.1 Drilling

In order to prevent sloughing of the borehole through unconsolidated lithologies, VPB173 was installed by setting a 10-inch diameter surface casing to 49.5 ft bgs and then setting an 8-inch diameter casing to a depth of 126 ft bgs using mud rotary drilling techniques. Drilling mud consisted of potable water and polymer-free sodium bentonite. 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 twelve (12) 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 940 ft bgs and five (5) 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 VPB173 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.

One soil sample was collected from a depth of 543-545 feet bgs 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 Luminox 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 the 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, 2013a. *United Federal Programs Sampling and Analysis Plan*, *Site 1 OU2 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., 1988. *Geohydrology of the Bethpage-Hicksville-Levittown Area, Long Island, New York, U.S*. Geological Survey Water-Resourced Investigations Report 88-4135, 25 pp.

NEW YORK PROFESSIONAL GEOLOGIST SEAL

As a New York-licensed Professional Geologist, I have reviewed and approve this Vertical Profile Boring Data Summary Report for Vertical Profile Boring 173 - Groundwater Investigation at Naval Industrial Reserve Plant Bethpage Operable Unit 2, Site 1, and seal it in accordance with Article 145 Section 7209 of the New York State Education Laws. In sealing this document, I certify it was prepared under my direction, the geological information contained in it is true to the best of my knowledge and the geological methods and procedures included herein are consistent with currently accepted geological practices.

It is a violation of this law for any person to alter the contained drawings or the report in any way, unless he or she is acting under the direction of a NY-licensed Professional Geologist.

Name:	Brian E. Caldwell
NY PG License Number:	000511
State:	New York

Brian Caldwell

Signature:

May 21 2020

Date:

Tables

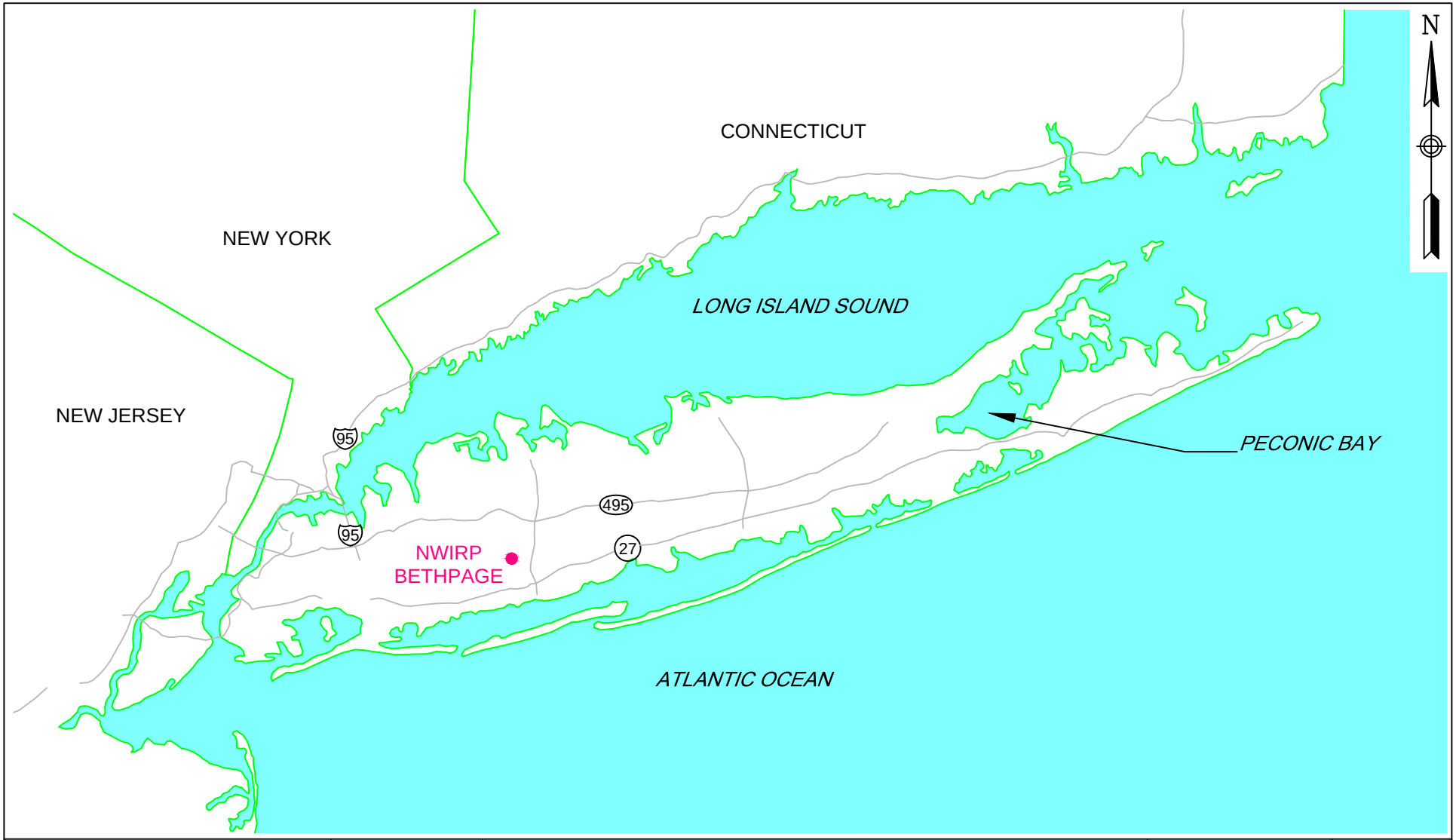
TABLE 1
VERTICAL PROFILE BORING SUMMARY
2018 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

BORING	BORING START DATE	BORING COMPLETION DATE	GROUND ELEVATION (MSL)	TOTAL DEPTH (ft bgs)	SURFACE CASING SET AT (ft bgs)*	NO. OF SPOON SAMPLES	GEOPHYSICAL LOG DEPTH (ft bgs)	NO. GW SAMPLES COLLECTED/ DUPLICATES/ ATTEMPTED	TOC SAMPLE DEPTH (ft bgs)	DATE OF AIR SAMPLE	WELLS INSTALLED AT LOCATION
VPB173	10/2/2018	12/17/2018	61.19	980	49.5	12	978	38/2/12	543-545	11/27/2018	BPOW3-5

MSL - mean sea level
ft bgs - feet below ground surface
GW - Groundwater
TOC - Total Organic Carbon
*8-inch casing installed to 126 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

C:\Users\huntcl\Desktop\tmp1\BP\Location MapsIF2 VPB173 2019 03 25 R1.mxd

Former Naval Weapons Industrial Reserve Plant

Former Northrop Grumman Site

Bethpage

Plainedge

South Farmingdale

Levittown

North Wantagh

North Massapequa

Inset: VPB173 Location

VPB126
VPB173
BPOW3-1
BPOW3-2
BPOW3-5
RE139D1
VPB173
ANY-8480
ANY-9338
RE118D1
BPOW5-5
BPOW5-6
VPB152
VPB124
0 375 750 Feet

0 750 1,500 3,000 Feet

N

PWD-7438

Legend

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

NAVFAC

VPB173 LOCATION MAP
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK

CONTRACT NUMBER	CTO NUMBER
N62470-11-D8013	WE15
APPROVED BY: PS	DATE: 5/18/2020
APPROVED BY: —	DATE: —
FIGURE NO.: 2	REV: 0

Appendices

Appendix A

VPB173

Section 1

VPB173 Boring and Geophysical Logs

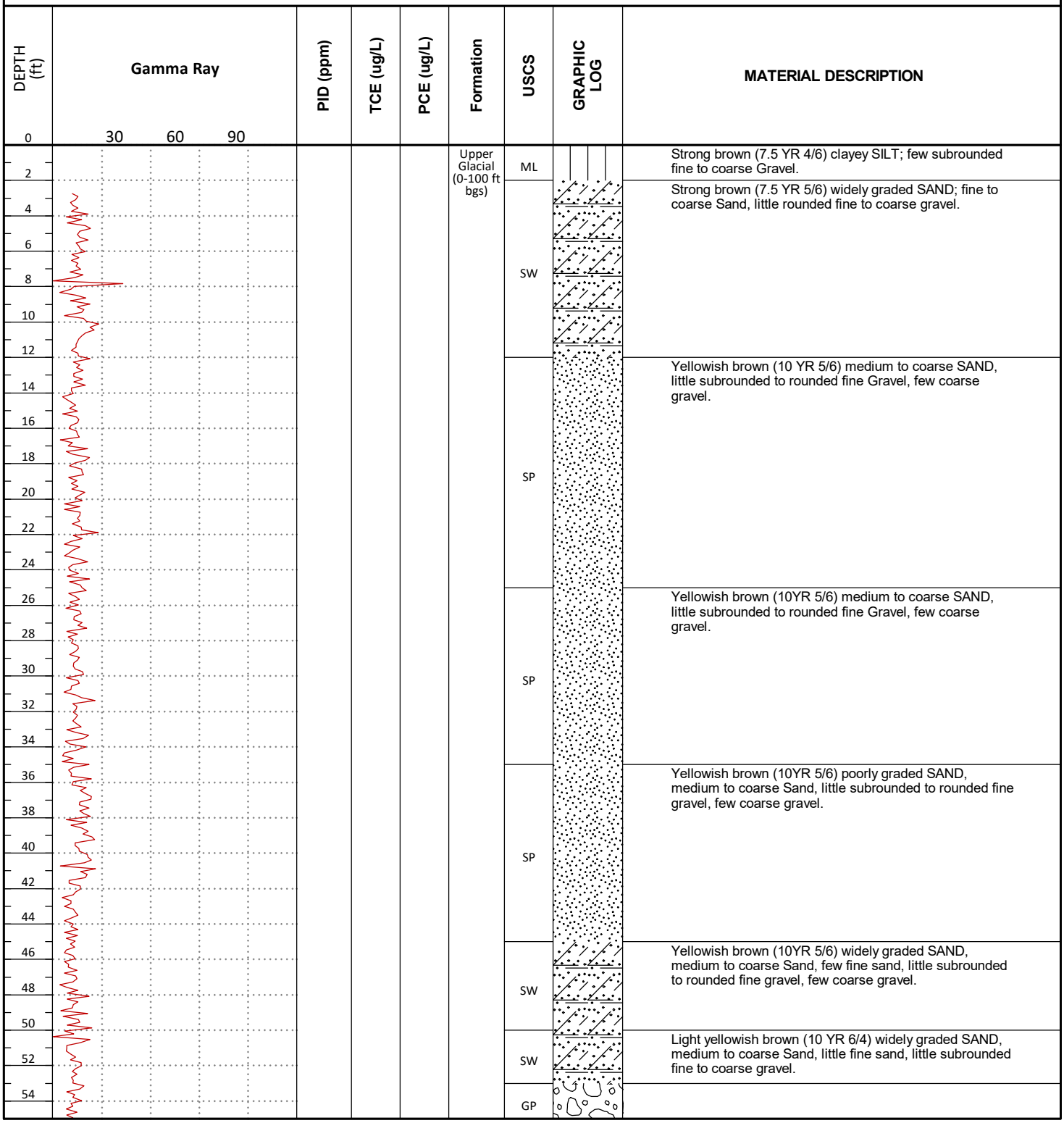
Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 1 of 16

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic		**Logged By:** V. Thayer
Location: Red Maple Drive, Town of Levittown, NY	**Northing:** 198577.38 **Easting:** 1124872.35	**Drilling Company:** Delta Well & Pump
Project #: 60266526	**Ground Elevation (ft amsl):** 61.19	**Well Screen Interval (ft):** NA
Start Date: 10/2/2018	**Drilling Method:** Auger (0-50' bgs) Mud Rotary (>50' bgs)	**Water Level (ft):** NA
Finish Date: 12/17/2018		**Total Depth (ft):** 980.0

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.

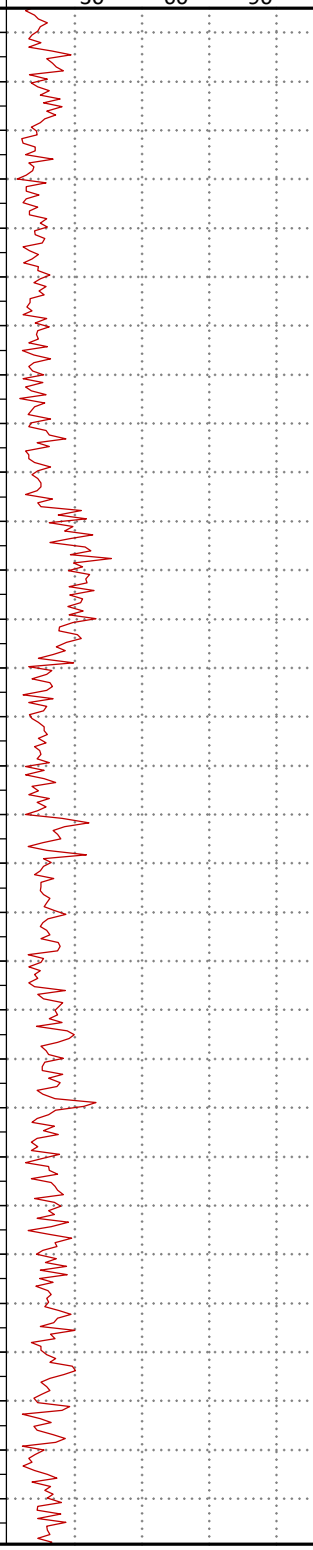


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 2 of 16



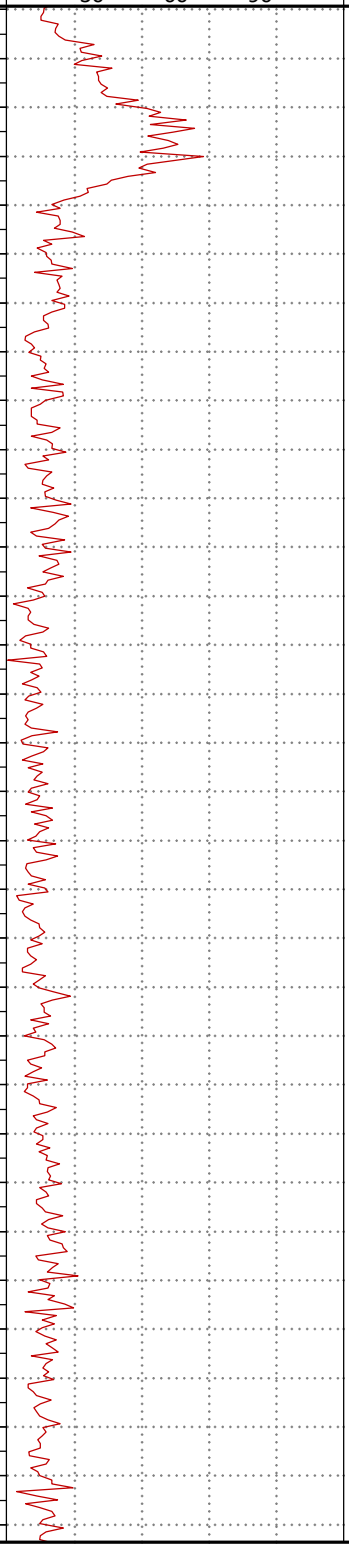
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
56–58				Upper Glacial (0-100 ft bgs)	GP		White (10 YR 8/1) and yellow (10 YR 7/6) poorly graded GRAVEL, rounded to subrounded fine Gravel, little coarse sand, few fine to medium Sand, trace coarse gravel. *(continued)*
58–60		<1 U	<1 U				
60–64					GP		Very pale brown (10 YR 8/2) to white (10 YR 8/1) poorly graded GRAVEL, Quartz, subrounded to rounded "pea size" fine gravel, little coarse sand, few fine to medium sand.
64–70					SP		Very pale brown (10 YR 8/4) to white (10 YR 8/1) poorly graded SAND, Quartz, coarse sand, little medium sand, few fine gravel.
70–76					SP		Light yellowish brown (10 YR 6/4) SAND, poorly graded Sand, medium sand, some subrounded to rounded coarse sand, few fine gravel.
76–82					GP		White (10YR 8/1) and yellow (10 YR 7/6) poorly graded GRAVEL, rounded to subrounded fine Gravel (pea size), some medium to coarse sand.
82–88					GP		White (10YR 8/1) and yellow (10 YR 7/6) poorly graded GRAVEL, rounded to subrounded fine Gravel, one iron concretion, little medium to coarse sand.
88–92					SP		Brownish yellow (10 YR 6/6) poorly graded SAND, subangular medium Sand, few subrounded coarse sand, trace fine gravel, trace silt.
92–98					SP-SC		Brownish yellow (10 YR 6/6) poorly graded SAND with Clay, medium Sand, few subrounded coarse sand, few clay, several iron concretions, interbedded clay stringers.
98–100		<0.5 U	<0.5 U				
100–102				Magothy (100-940 ft bgs)	SP-SC		Yellow (10 YR 7/6) poorly graded SAND with Clay, medium Sand, some coarse sand, few fine sand, few clay, interbedded clay stringers.
102–106					SP-SC		Light yellowish brown (10 YR 6/4) poorly graded sand with clay, medium sand, subrounded coarse sand, few clay, few lignite stringers.
106–112					SP-SC		Light yellowish brown (10 YR 6/4) poorly graded SAND, subrounded to subangular medium Sand, few coarse sand, few subrounded to subangular fine gravel, iron concretions, few interbedded clay and lignite stringers.
112–116					SP-SC		Light yellowish brown (10 YR 6/4) poorly graded SAND with Clay, subangular to subrounded medium Sand, little coarse sand, few subrounded fine gravel, quartz, few fine sand and clay, interbedded very pale brown clay and lignite stringers, iron concretions.

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 3 of 16



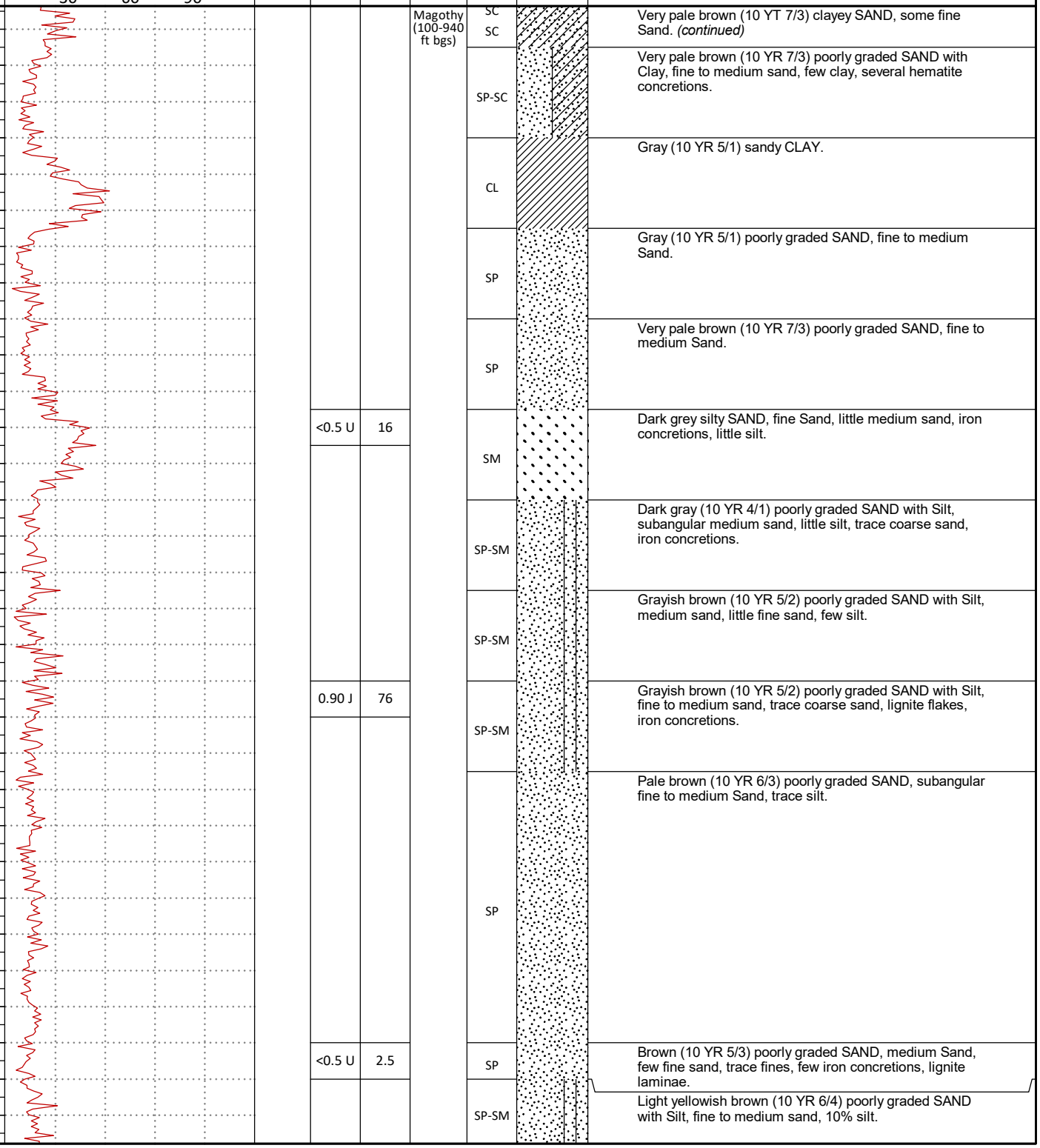
PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
			Magothy (100-940 ft bgs)	SP-SC		Very pale brown (10 YR 7/4) poorly graded SAND, medium to coarse Sand, few rounded fine quartz gravel, iron concretions, few interbedded lignite, clay stringers.
				SC		Very pale brown (10 YR 7/4) clayey SAND, subangular medium Sand, little fine sand, little subrounded coarse sand, 30% clay, several iron concretions.
				CL		Pinkish white (5 YR 8/2) and gray (5 YR 6/1) CLAY, little Sand.
				SP-SC		Very pale brown (10 YR 7/3) poorly graded SAND with Clay, subangular medium sand, few coarse sand, few fine sand, few clay, possible interbedded clay stringer.
				SP		Very pale brown (10 YR 7/3) poorly graded SAND, subangular medium Sand, few subrounded coarse sand, few subrounded fine gravel, trace coarse gravel, several iron concretions, one possible interbedded pinkish gray (7.5 YR 7/2) clay stringer.
				SP		Pale brown (10 YR 6/3) poorly graded SAND, subangular medium Sand.
	<0.5 U	<0.5 U		SP		Very pale brown (10 YR 7/3) poorly graded SAND, medium Sand.
				SP		Very pale brown (10 YR 7/4) poorly graded SAND, subangular to subrounded medium Sand, few fine sand.
				SP/CL		Very pale brown (10 YR 7/4) poorly graded SAND, subangular to subrounded medium Sand, few fine sand, interbedded clay stringer.
				SP/CL		Pale brown (10 YR 6/3) poorly graded SAND, subangular to subrounded medium Sand, few fine sand, one interbedded clay stringer.
				SP/CL		Pale brown (10 YR 6/3) poorly graded SAND, subangular to subrounded medium Sand, few fine sand, one interbedded pink clay stringer.
				SP/CL		Pale brown (10 YR 6/3) poorly graded SAND, medium Sand, few fine sand, hematite nodules, interbedded grey clay stringers.

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 4 of 16

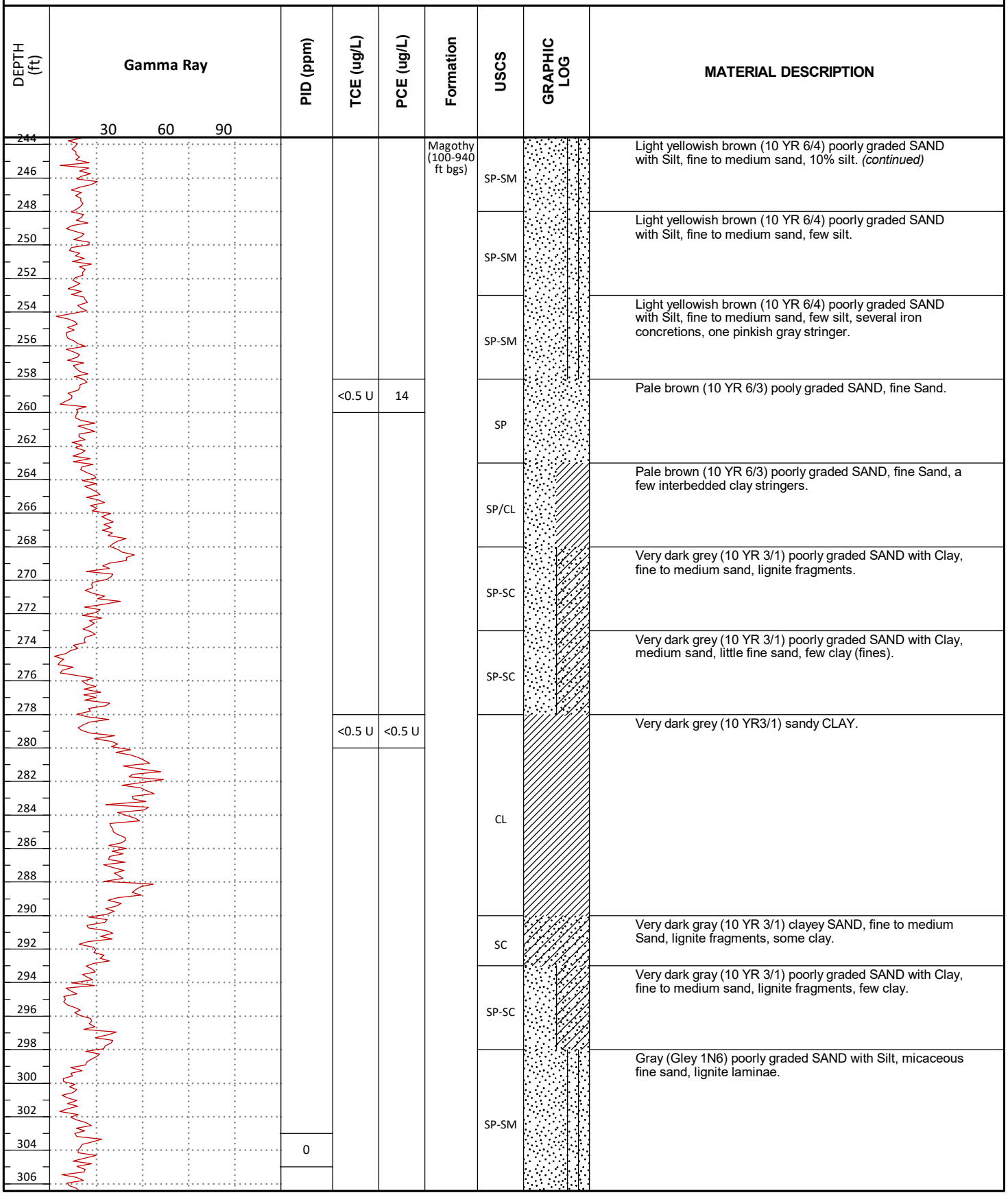


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 5 of 16

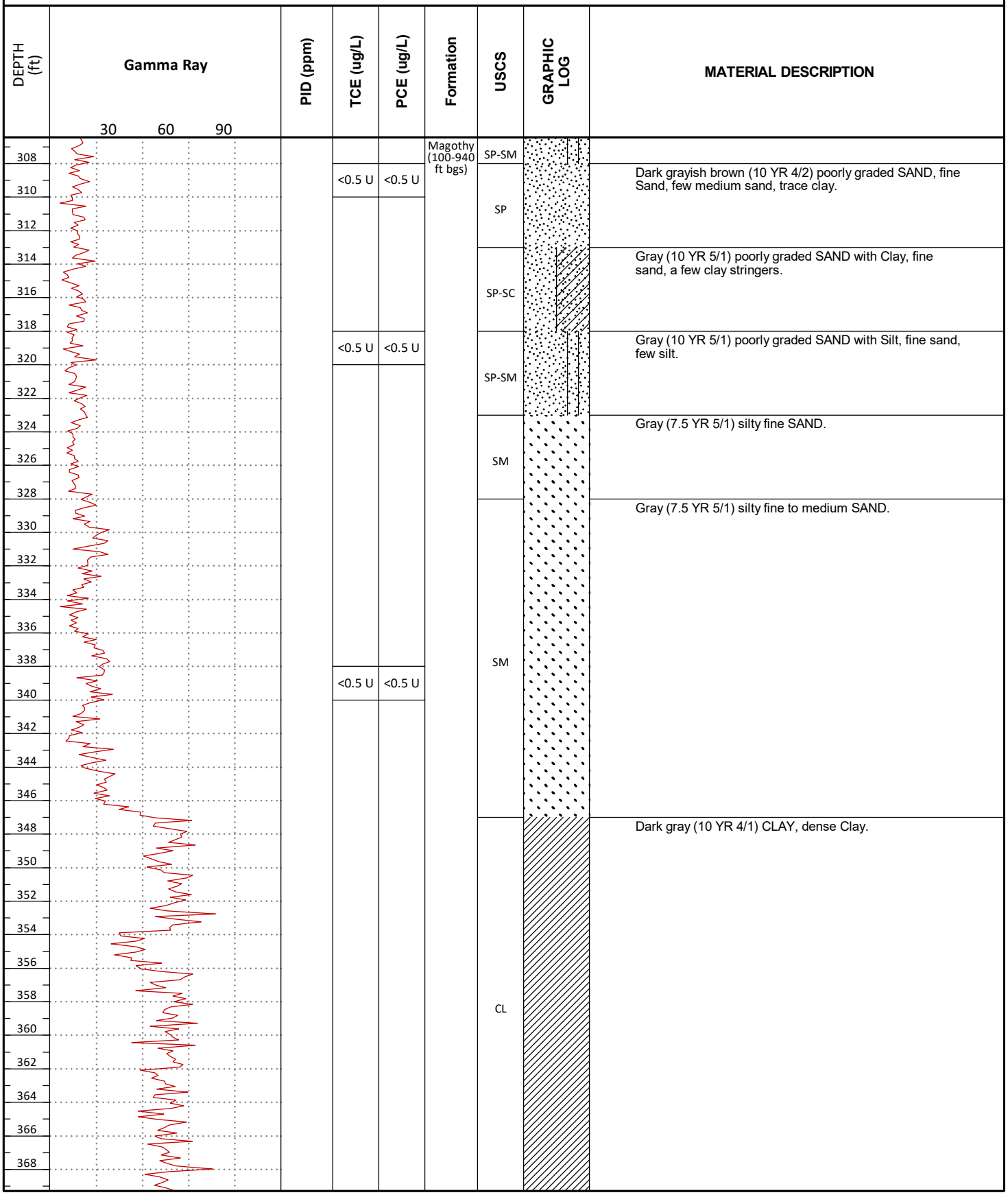


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 6 of 16

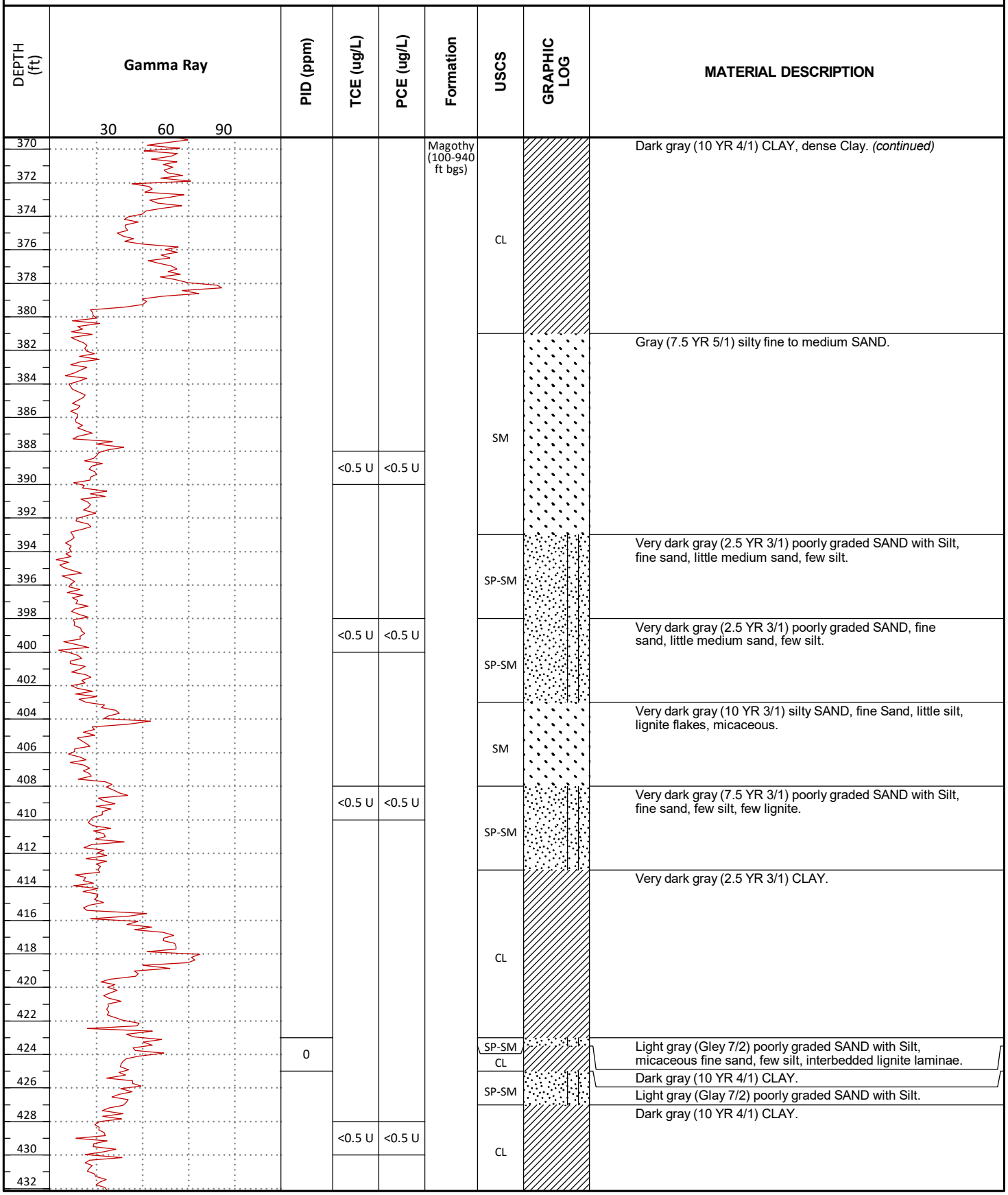


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 7 of 16

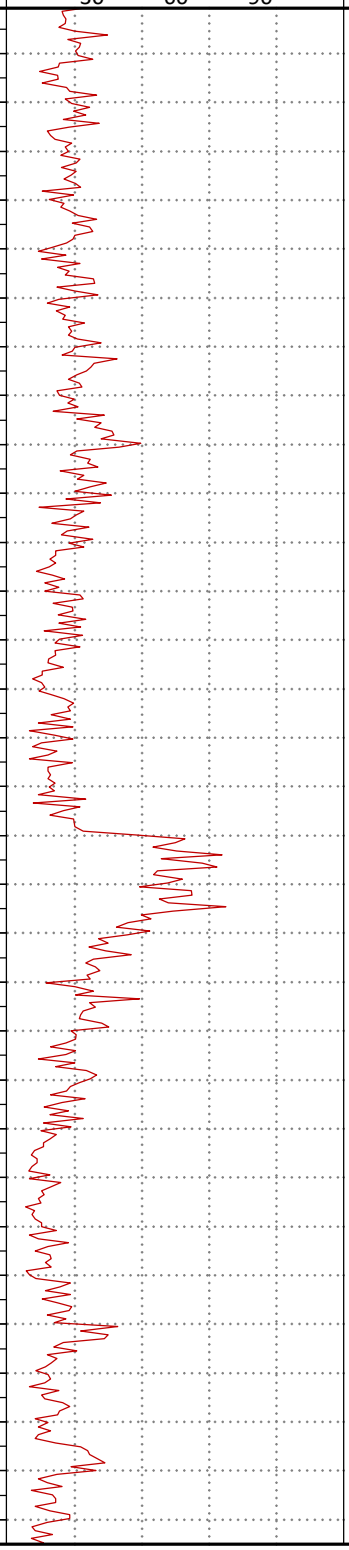


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 8 of 16



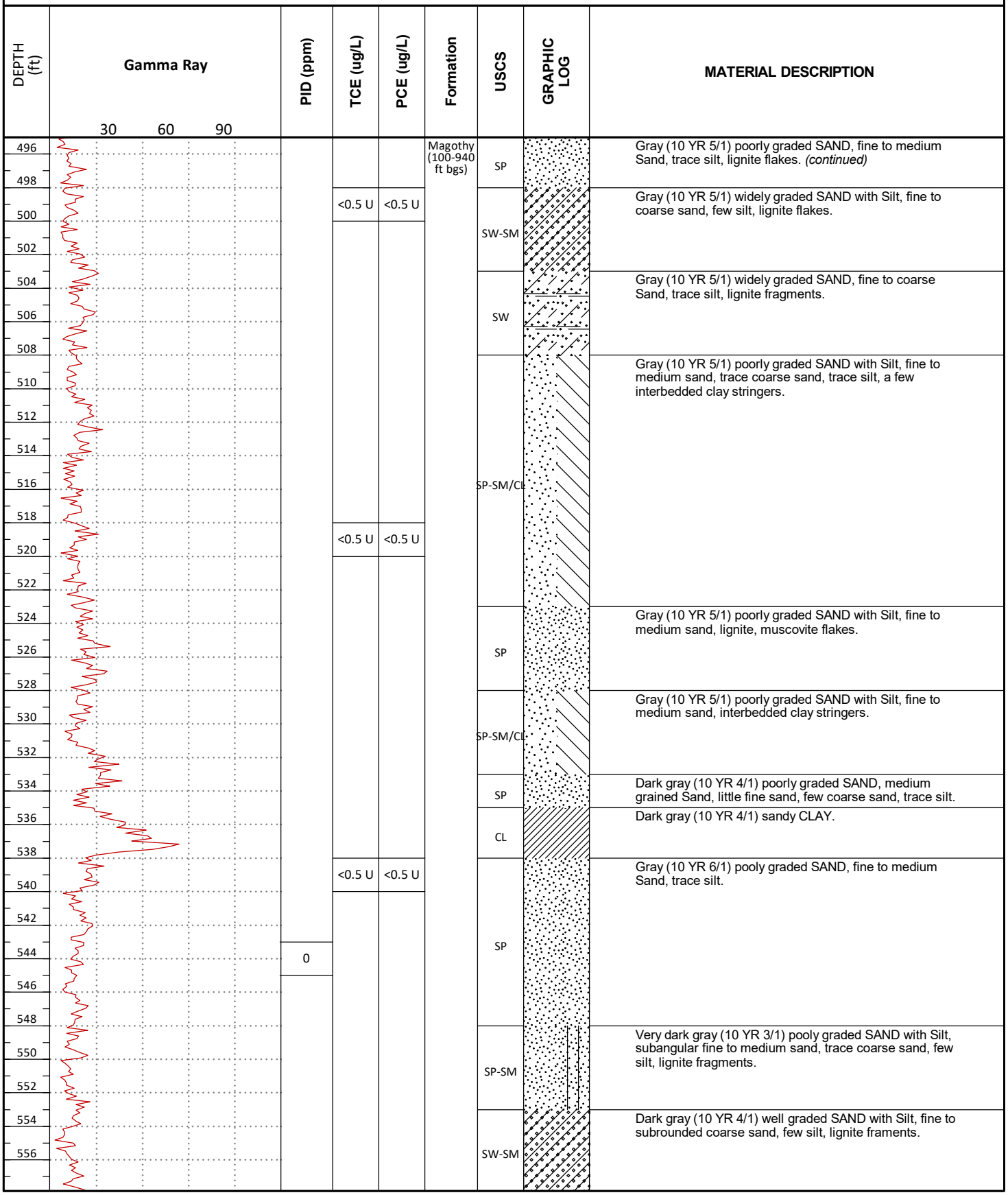
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	MATERIAL DESCRIPTION
434				Magothy (100-940 ft bgs)		
436					ML	Very dark gray (2.5 YR 3/1) sandy SILT, fine Sand, little medium sand, lignite flakes.
438						
440					SP-SM	Dark gray (10 YR 4/1) poorly graded SAND with Silt, fine to medium sand, lignite flakes, few silt.
442						
444					SM	Dark gray (10 YR 4/1) silty SAND, micaceous fine Sand, fines 30%.
446						
448						
450		<0.5 U	<0.5 U		SM	Gray (Gley 5/N) silty SAND, micaceous fine Sand, lignite flakes, some silt.
452						
454					SM/CL	Gray (7.5 YR 5/1) silty SAND, fine Sand, lignite fragments, silt (25%), interbedded clay.
456						
458						
460		<0.5 U	<0.5 U		SM	Gray (7.5 YR 5/1) silty SAND, fine to medium Sand, muscovite flakes, lignite fragments.
462						
464						
466					CL	Gray (10 YR 5/1) CLAY.
468						
470					CL	Gray (10 YR 5/1) sandy CLAY, fine Sand, few medium sand, lignite fragments, sand (20%).
472						
474						
476						
478						
480		<0.5 U	<0.5 U		SM/CL	Dark gray (7.5 YR 4/1) silty SAND, fine Sand, few medium sand, interbedded clay.
482						
484					SM/CL	Very dark gray (10 YR 3/1) silty SAND, fine to medium Sand, 20% silt, lignite fragments, interbedded clay stringer.
486						
488						
490					SP-SM	Dark gray (10 YR 4/1) poorly graded SAND with Silt, subangular to angular medium sand, little fine sand, lignite fragments, muscovite flakes, few silt.
492					SM/CL	Gray (10 YR 5/1) silty SAND, subangular medium Sand, little fine sand, trace coarse sand, lignite flakes, silt (15-20%), pink and gray clay stringers.
494					SP	

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 9 of 16

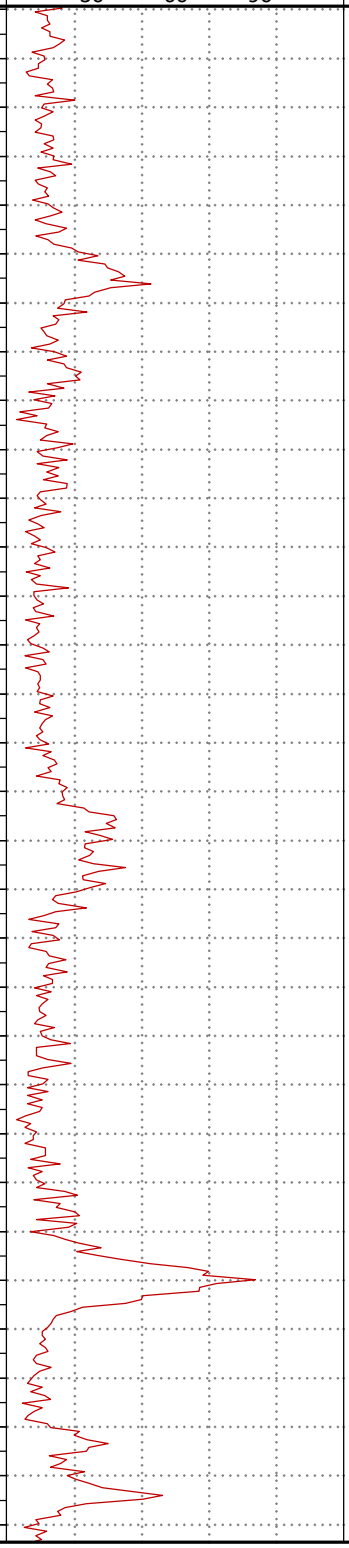


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 10 of 16



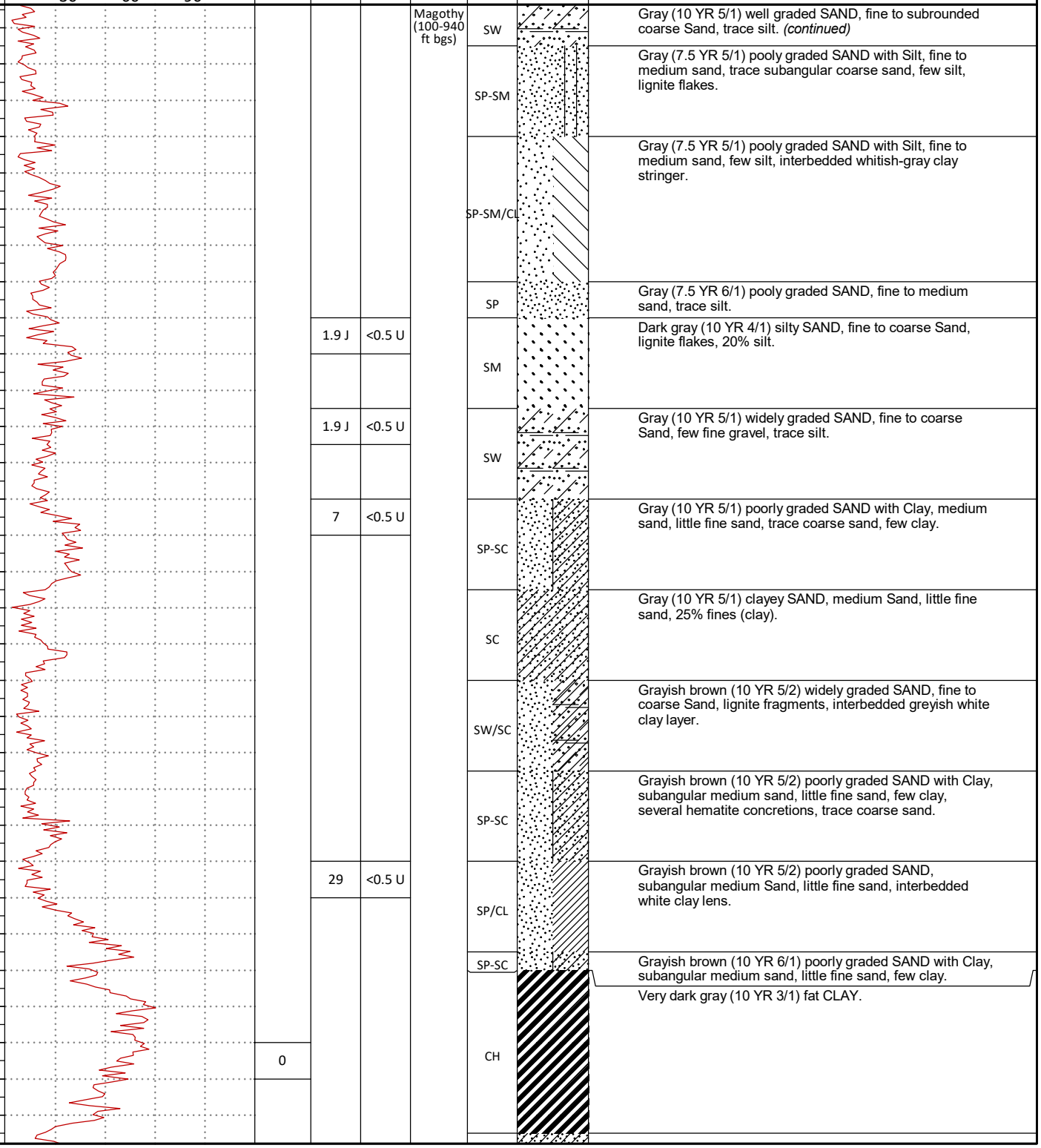
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
558							
560				Magothy (100-940 ft bgs)	SW-SM		Dark gray (10 YR 4/1) well graded SAND with Silt, fine to subrounded coarse sand, few silt.
564					SW		Gray (10 YR 5/1) well graded SAND, fine to coarse Sand, lignite fragments.
570		<0.5 U	<0.5 U		SP-SM		Gray (10 YR 5/1) pooly graded SAND with Silt, medium sand, few fine sand, trace coarse sand, few silt, lignite fragments.
574					SW		Gray (10 YR 5/1) well graded SAND, fine to subrounded coarse Sand, trace silt, lignite fragments.
580					SP		Gray (10 YR 5/1) pooly graded SAND, fine to medium Sand, trace coarse sand.
584		<0.5 U	<0.5 U		SP		Gray (10 YR 5/1) pooly graded SAND, medium Sand, little fine sand, trace coarse sand, lignite fragments.
590					SW		Dark gray (10 YR 4/1) fine to medium angular SAND, tract lignite.
596					SW		Gray (10 YR 5/1) fine to medium angular SAND, tract lignite.
600		<0.5 U	<0.5 U		SP-SM		Dark gray (10 YR 3/1) pooly graded SAND with Silt, fine to medium sand, lignite flakes.
604					SP-SM		Gray (10 YR 5/1) poorly graded SAND, medium Sand, little fine sand, few silt.
610					SP-SM		Gray (10 YR 5/1) pooly graded SAND with Silt, fine to medium sand, few silt.
614					SP		Gray (7.5 YR 5/1) pooly graded SAND with Silt, fine to medium sand, trace subangular coarse sand, few silt, lignite flakes.
620		<0.5 U	<0.5 U		SW		Gray (10 YR 5/1) well graded SAND, fine to subrounded coarse Sand, trace silt.

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 11 of 16

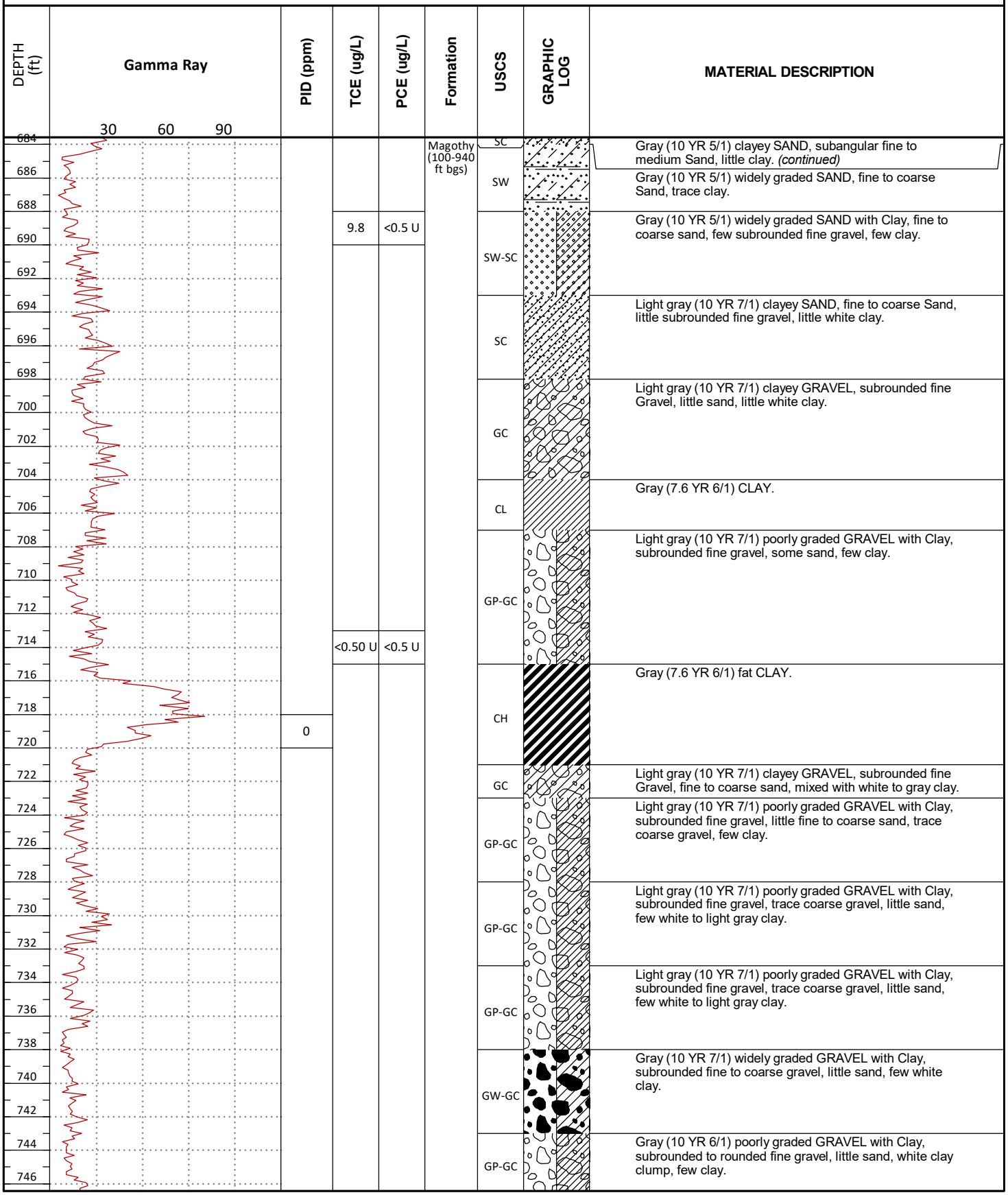


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 12 of 16

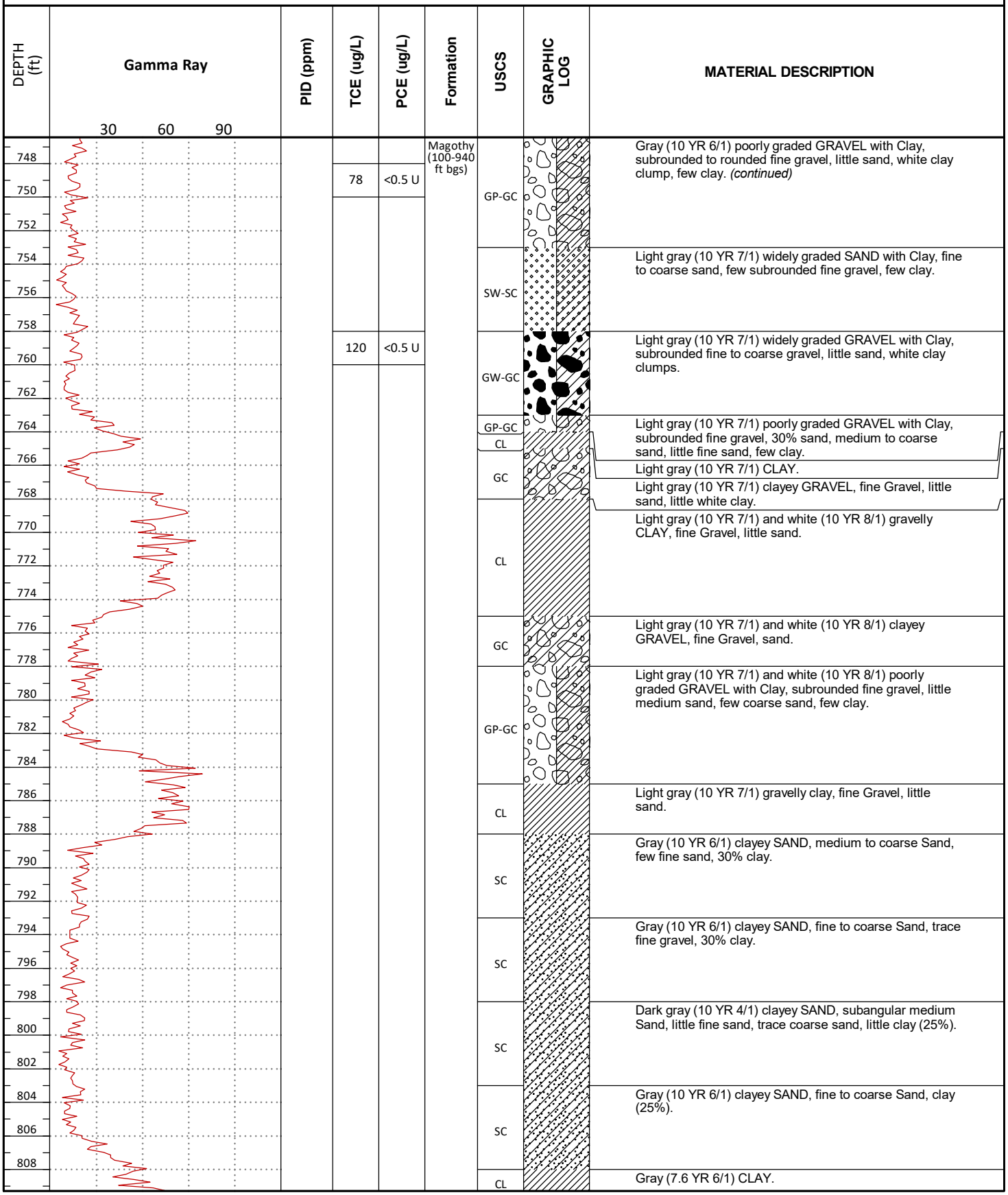


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 13 of 16

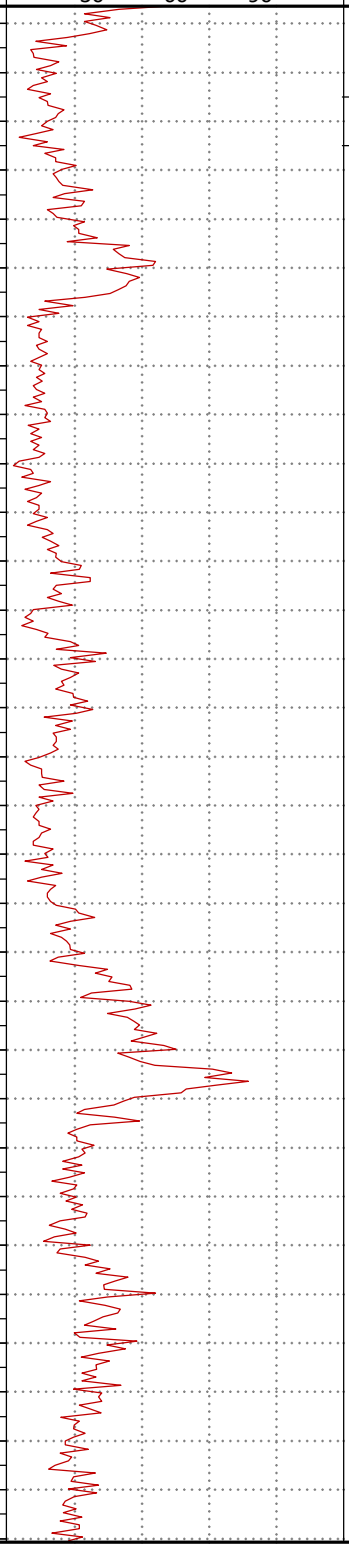


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 14 of 16



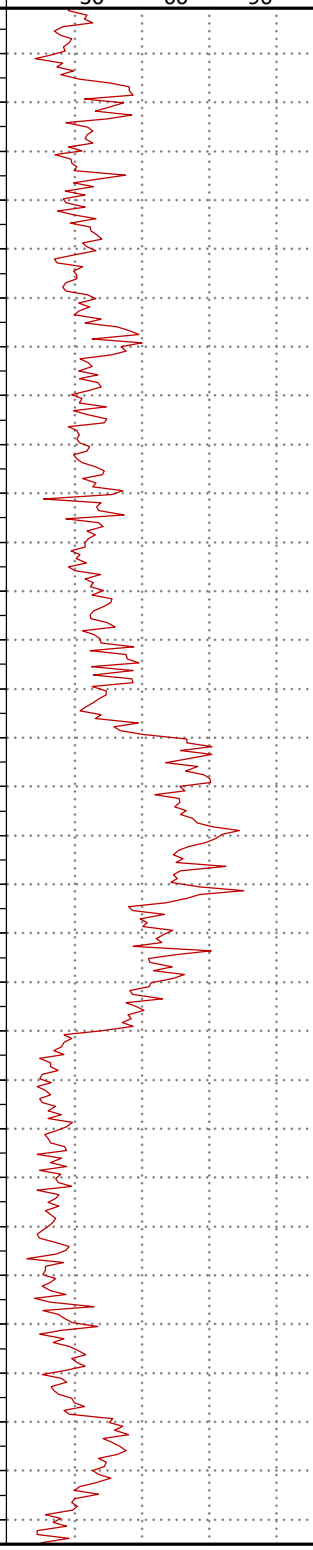
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	MATERIAL DESCRIPTION
810				Magothy (100-940 ft bgs)		
812					SP-SC	Light gray (Gley 17/) poorly graded SAND with clay, medium sand, interbedded with clayey sand (3 inches), fine sand, little clay (25%).
814	0					
816					SP-SC	Gray (10 YR 6/1) poorly graded SAND with Clay, subangular to subrounded medium sand, few coarse sand, few clay.
818						
820		<0.5 U	<0.5 U		SC	Gray (10 YR 6/1) sandy CLAY, fine Sand, little medium sand, few coarse sand, 75% clay.
822						
824					SC	Gray (10 YR 6/1) clayey SAND, subangular medium Sand, little fine sand, 25% clay (fine).
826						
828						
830					SP-SC	Gray (10 YR 6/1) poorly graded SAND with Clay, fine to medium sand, trace fine gravel, 15-20% clay.
832						
834					SC	Dark gray (10 YR 4/1) clayey SAND, subangular medium Sand, little fine sand, trace coarse sand, lignite fragment, 20% clay.
836						
838						
840		<0.5 U	<0.5 U		SP-SC	Dark gray (10 YR 4/1) poorly graded SAND with Clay.
842						
844					SP-SC	Dark gray (10 YR 4/1) poorly graded SAND with Clay, subangular medium sand, little fine sand, trace coarse sand, few clay.
846						
848						
850					SC	Gray (10 YR 5/1) clayey SAND.
852						
854					SC	Gray (10 YR 5/1) clayey SAND, some Clay, fine to medium sand, trace coarse sand.
856						
858						
860		<0.5 U	<0.5 U		SP-SC	Gray (10 YR 6/1) poorly graded SAND with Clay, fine sand, little medium sand, trace coarse sand, few clay (fines).
862						
864					SC	Gray (10 YR 6/1) clayey SAND, fine Sand, few medium sand, trace coarse sand, lignite fragments.
866						
868						
870					SC	Gray (10 YR 5/1) clayey SAND, fine Sand, few medium sand, few coarse sand, little clay (fines).
872						

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 15 of 16



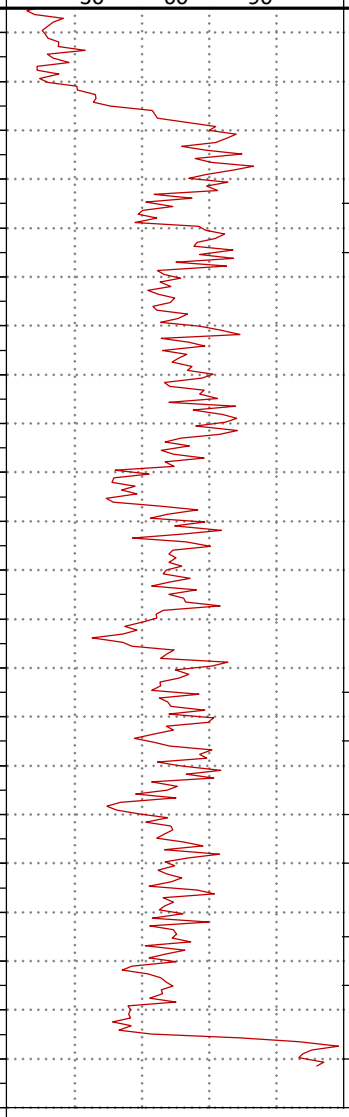
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
874–878				Magothy (100-940 ft bgs)	SC		Gray (10 YR 6/1) clayey SAND, fine Sand, little medium sand, trace coarse sand, little clay (fines).
878–882		<0.5 U	<0.5 U		SC		Dark gray (10 YR 4/1) sandy CLAY.
882–904					CL		Dark gray (10 YR 4/1) lean CLAY.
904–908					CL		Light gray (Gley 71) lean CLAY, few fine Sand, trace angular coarse sand.
908–912					CL		Light gray (Gley 71) lean CLAY, few fine Sand.
912–916					CL		Light gray (Gley 71) lean CLAY, little fine Sand, few medium sand, trace coarse sand.
916–922					SP-CL		Light gray (Gley 17/) pooly graded SAND with Clay, subangular fine to medium sand, few coarse sand, few clay (15% fines).
922–926	0				SW-SC		LIght gray (7.5 YR 7/1) widely graded SAND with Clay, fine to coarse sand, lignite fragments.
926–934					SC		Gray (Gley 16/) clayey SAND, subangular medium sand, little fine sand, trace coarse sand, little clay.

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB173
Sheet 16 of 16



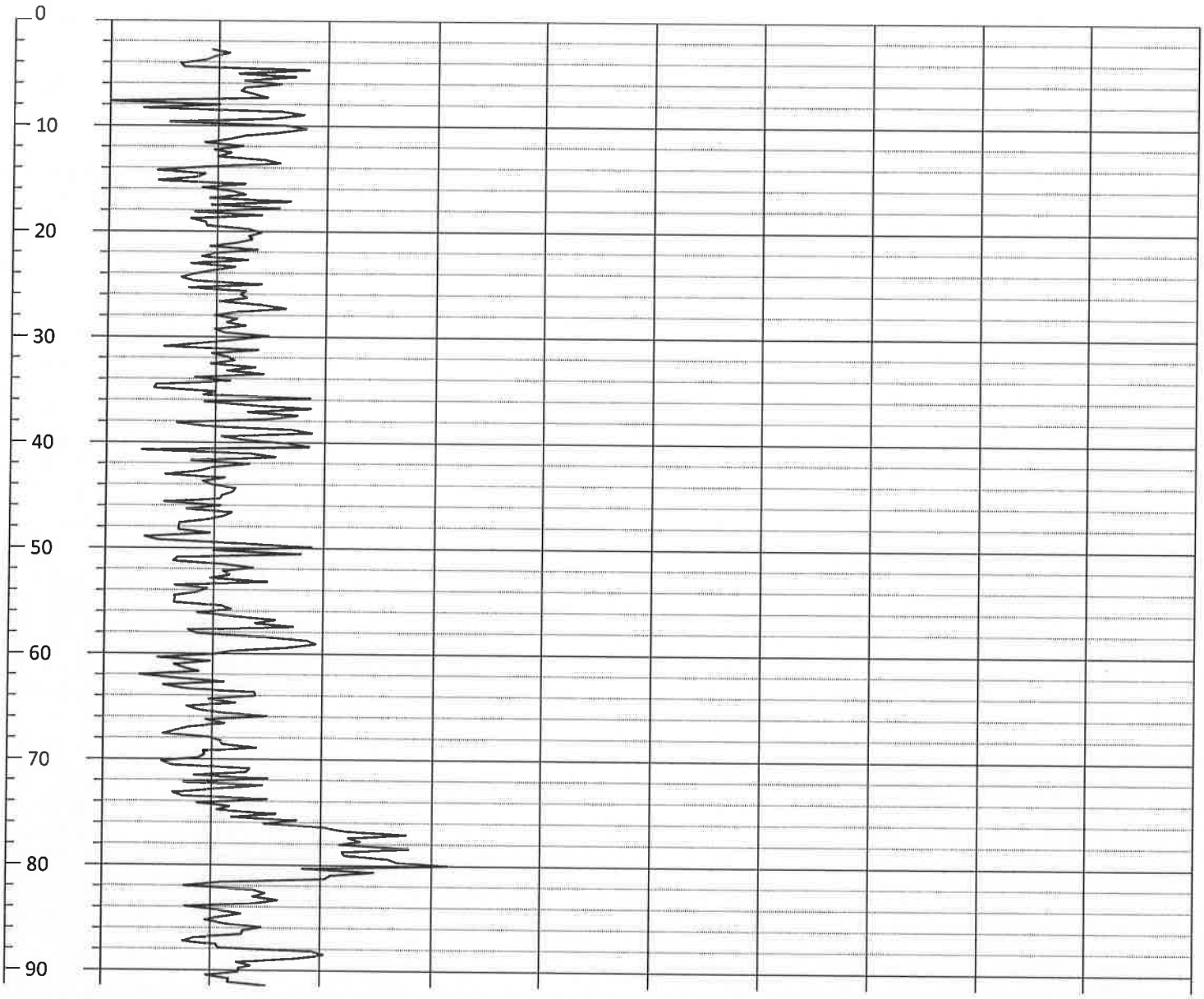
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
936				Magothy (100-940 ft bgs)	SC		Gray (Gley 16/) clayey SAND, subangular medium sand, little fine sand, trace coarse sand, little clay. *(continued)*
938							
940		<1 U	<1 U		CL		Dark gray (10 YR 4/1) sandy CLAY, some fine to medium Sand, trace coarse sand, clay (60% fines).
942				Raritan (940 ft bgs)			
944	0				CH		Light gray (10 YR 7/2) fat CLAY.
946							
948							
950					CH		Gray (10 YR 5/1) fat CLAY.
952							
954							
956							
958							
960							
962							
964	0				CH		Very dark gray (10 YR 3/1) fat CLAY.
966							
968							
970	0				CH		Dark gray (7.5 YR 4/1) fat CLAY with light yellowish brown (10 YR 6/4) mottling.
972							
974	0				CH		Dark gray (7.5 YR 4/1) fat CLAY.
976							
978							
980	0				CH		Gray (5 YR 5/1) fat CLAY with yellowish red (5 YR 4/6) to reddish brown (5 YR 4/4) mottling.

End of boring at 980.0 ft. bgs.

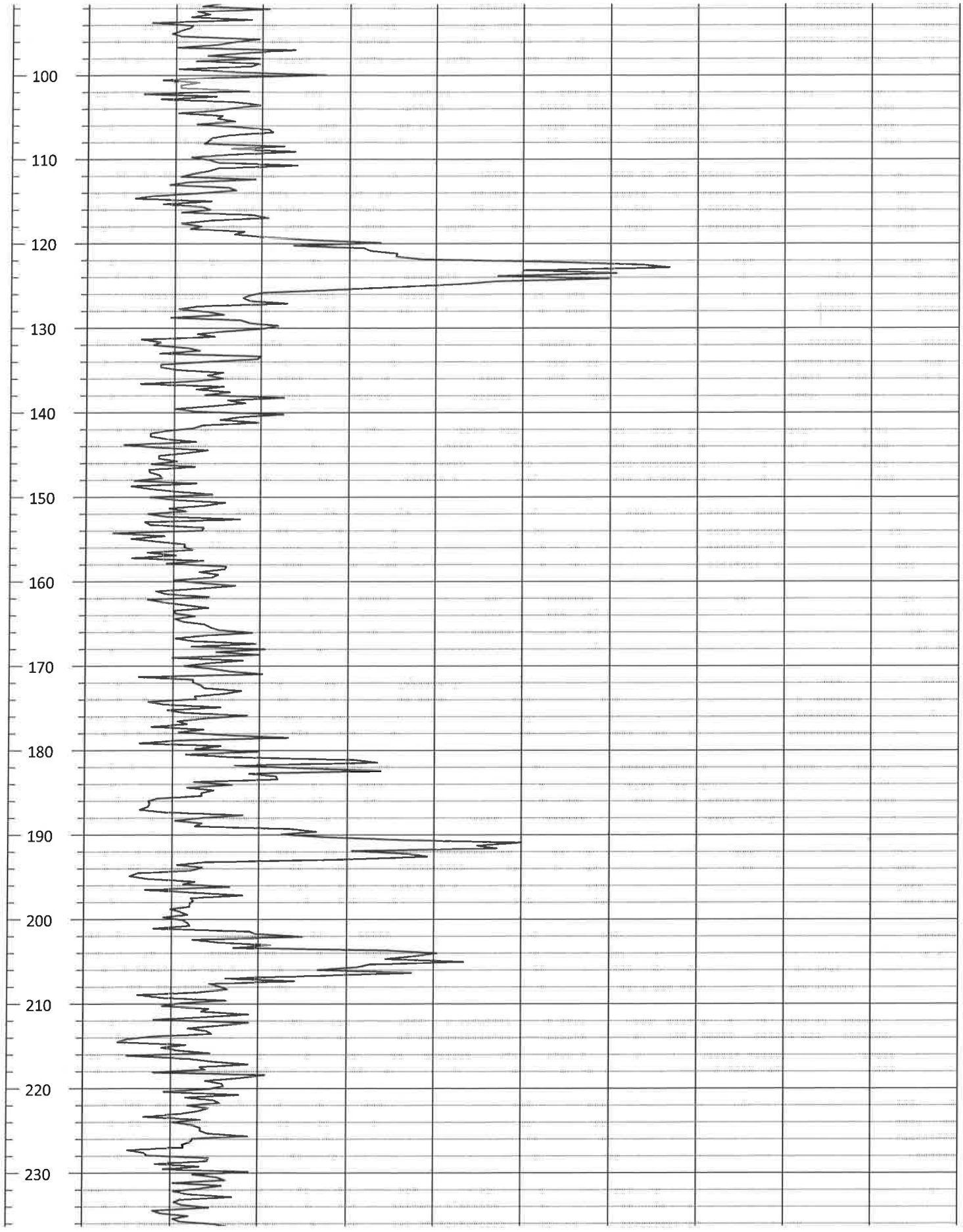
DOWN

COMPANY:	DELTA WELL & PUMP CO INC
LOCATION:	RED MAPLE DR
Well: VPB-173	Depth Driller:
	Depth Logger:
Date: 12-10-2018 Time:	Logged by: CMO
File Name: 739	Witness: VAL

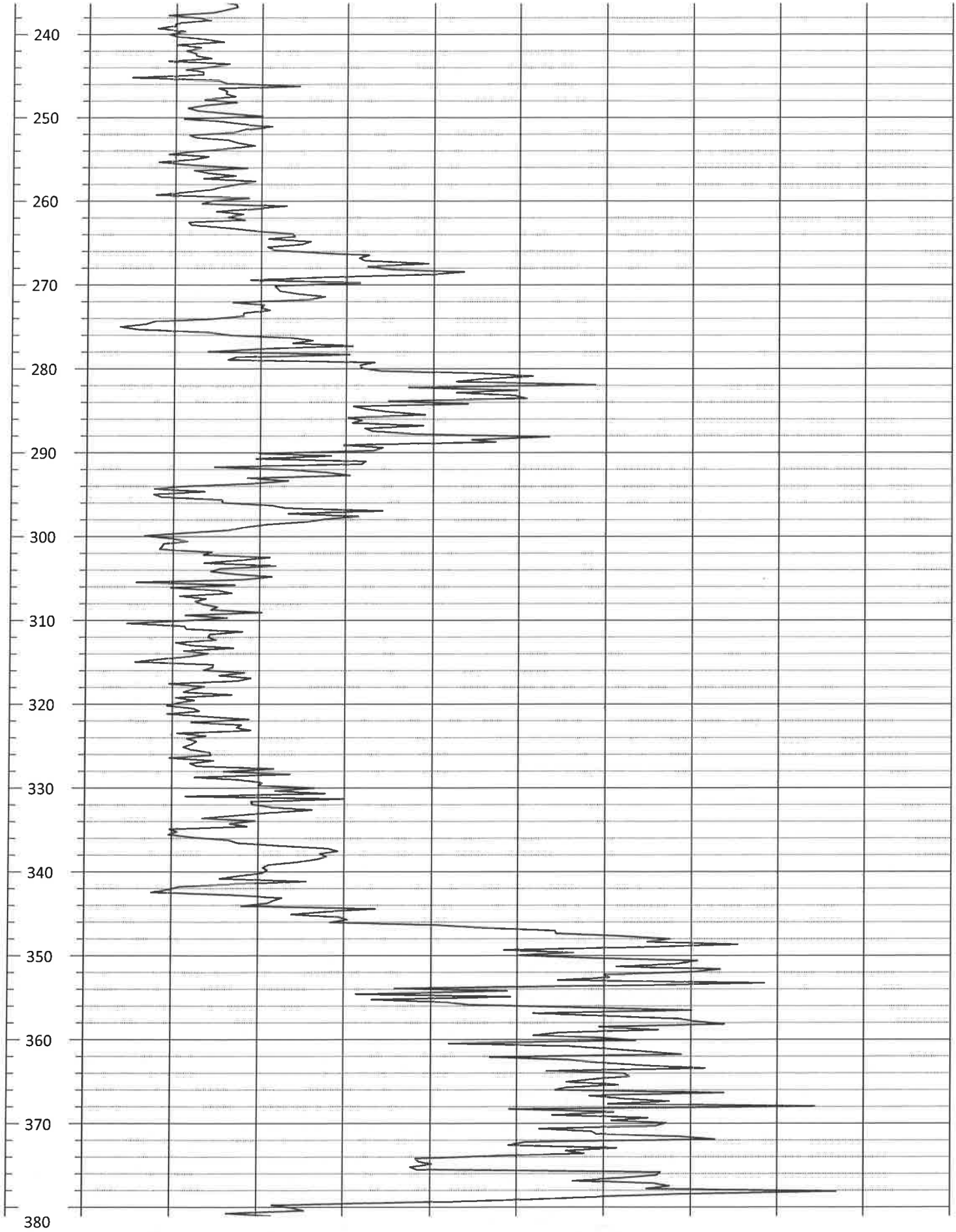
Depth (ft.)	GAMMA (cps)	
0.0		100.0



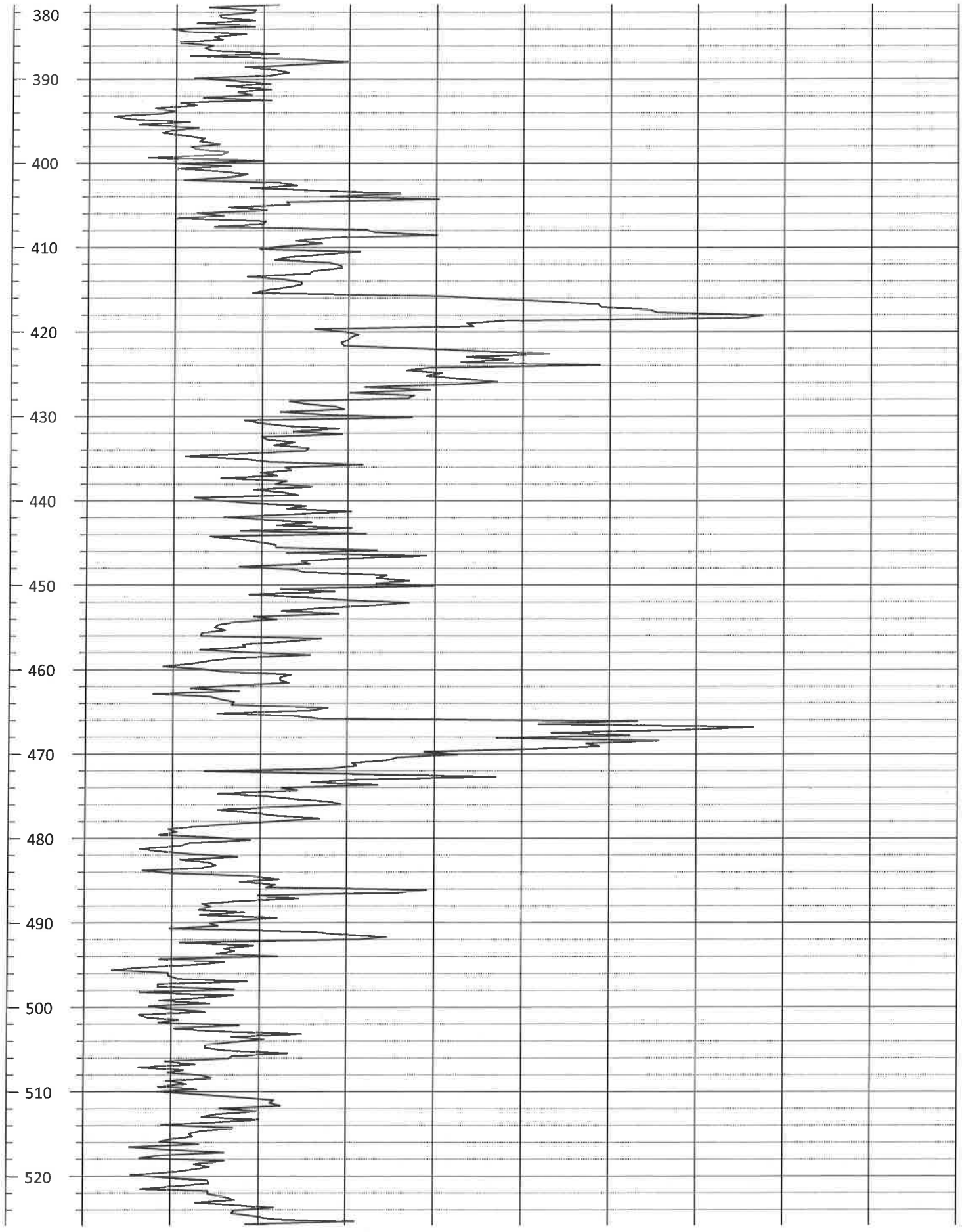
Depth (ft.)	GAMMA (cps)	
0.0		100.0



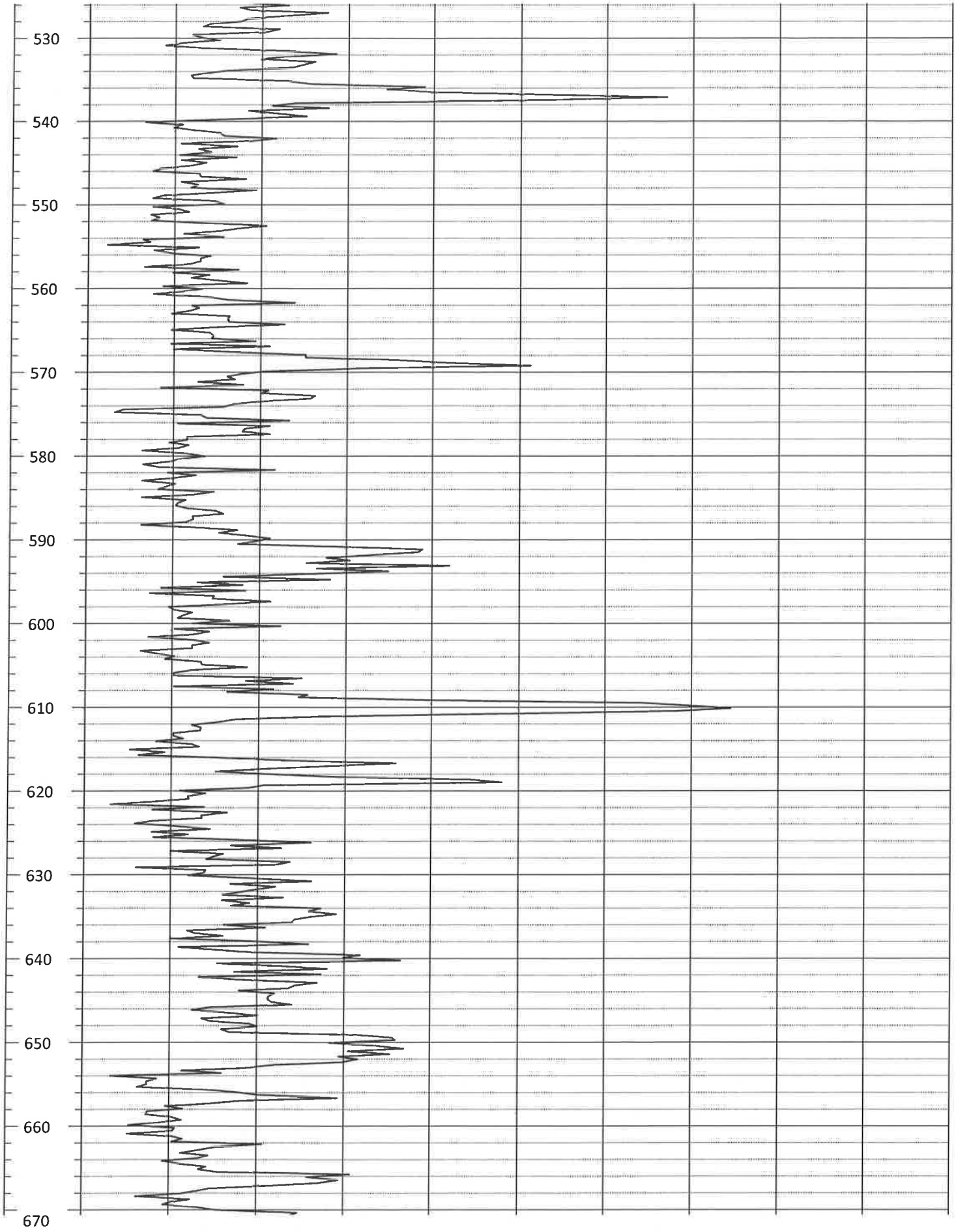
Depth (ft.)	0.0	GAMMA (cps)	100.0



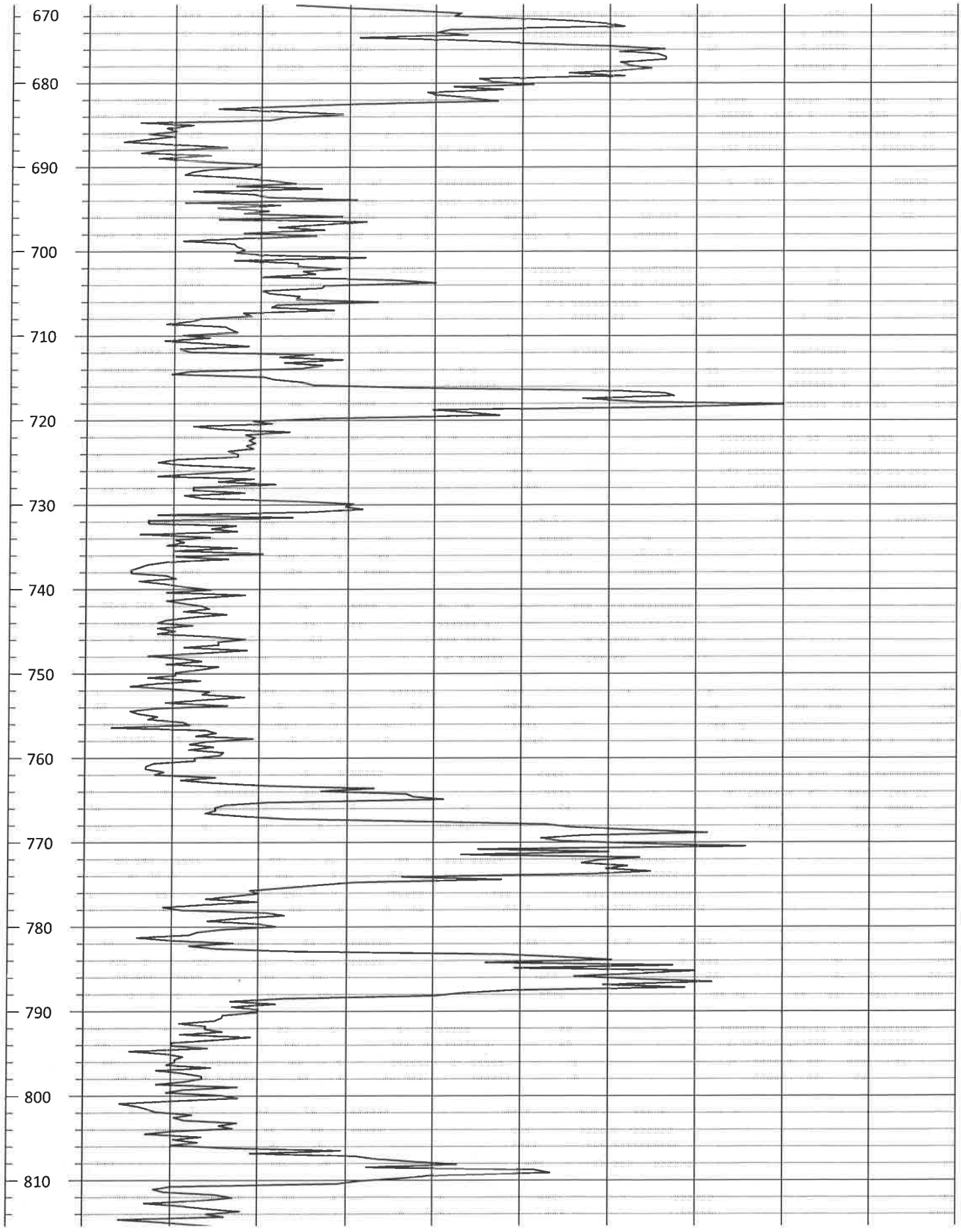
Depth (ft.)	0.0	GAMMA (cps)	100.0



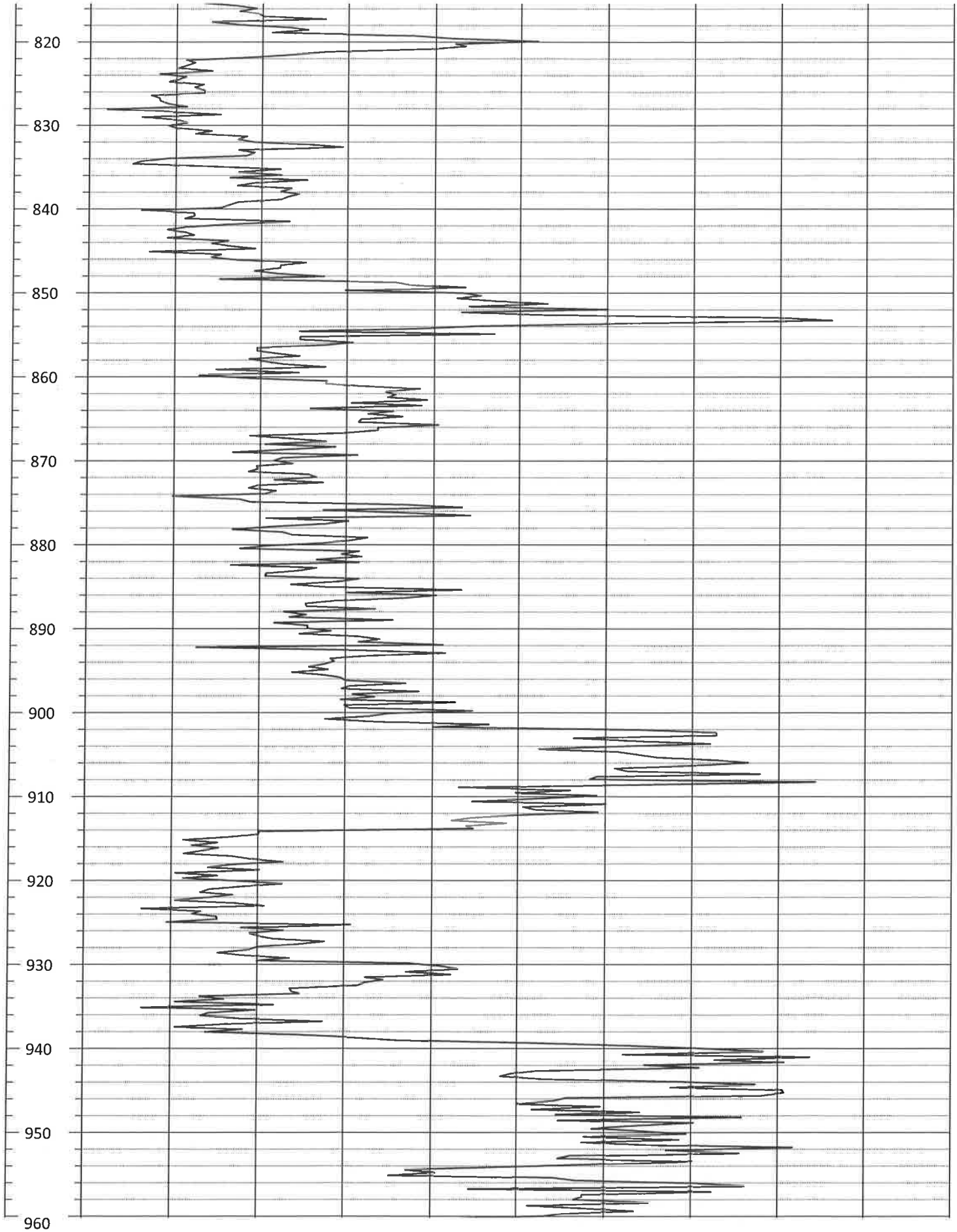
Depth (ft.)	0.0	GAMMA (cps)	100.0



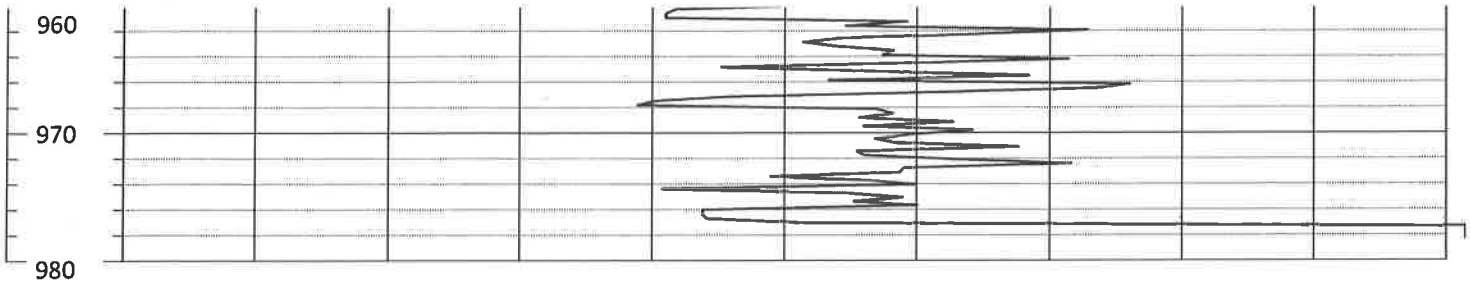
Depth (ft.)	0.0	GAMMA (cps)	100.0



Depth (ft.)	0.0	GAMMA (cps)	100.0



Depth (ft.)	0.0	GAMMA (cps)	100.0

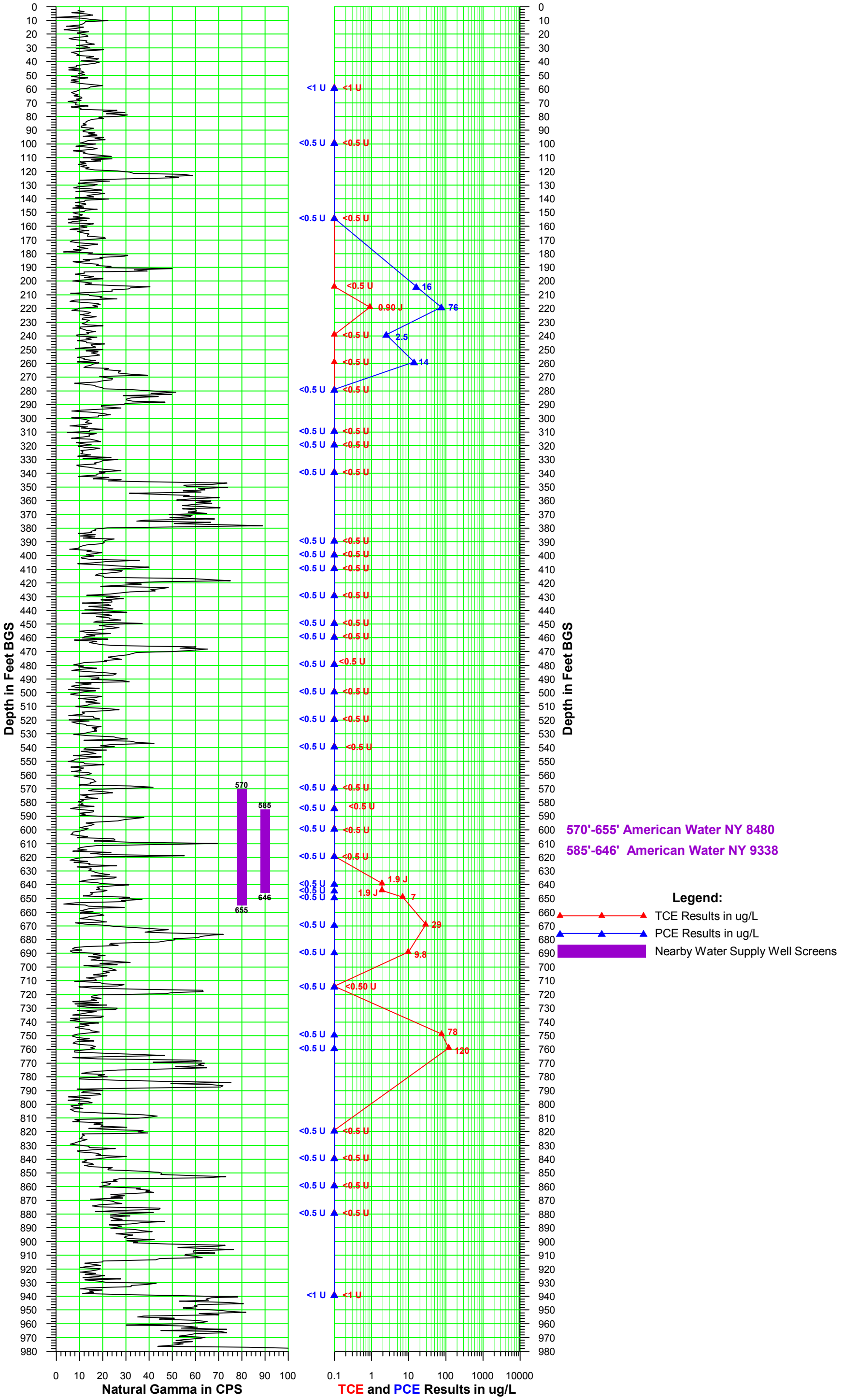


Depth (ft.)	0.0	GAMMA (cps)	100.0

Section 2

VPB173 Gamma and PCE/TCE Plot

Vertical Profile Boring VPB173
Downward Run - December 10, 2018
Validated Analytical Data



Section 3

VPB173 Groundwater Sample Log Sheets

RESOLUTION CONSULTANTS

Hydropunch Sample

Client: NWIRP - Bethpage
Project No: 60266526
Site Location: RED MAPLE DRIVE LEVITTOWN NY
Weather Conds: variable

Date: Oct 15 - Nov 2, 2018
VPB: VPB 173
Collector(s): VThayer

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
Oct 15, 2018	12:30	11.2	7.72	613.4	4.90	-28	OUTSIDE RANGE	58	60	Brown
Oct 16, 2018	10:30	8.9	6.66	486	5.08	4.0	877.2	98	100	Clear Light Brown
Oct 22, 2018	10:00		no groundwater recovered					148	150	—
Oct 22, 2018	15:30	← not enough sample for YSI →						153	155	clear
Oct 23, 2018	14:15	11.5	6.36	376.8	4.67	65.5	432.1	203	205	clear
Oct 24, 2018	11:00	7.2	6.93	373.3	3.67	-41.2	525.3	218	220	Brown
Oct 24, 2018	13:15	9.8	6.36	356.9	7.30	-6.2	192.7	238	240	clear
Oct 25, 2018	10:15	6.7	7.00	348.1	5.37	34.0	254.6	258	260	clear
Oct 25, 2018	13:00	6.7	6.16	352.9	3.31	15.6	190.3	278	280	clear
Oct 26, 2018	12:30	8.2	6.25	388	2.06	-34.1	191.9	308	310	clear
Oct 26, 2018	15:00	8.1	6.17	461.4	2.04	-11.1	263.6	318	320	clear gray
Oct 29, 2018	11:45	not enough sample for YSI					415	338	340	
Oct 30, 2018	12:45	no groundwater recovered						383	385	
Oct 30, 2018	14:45	not enough sample for YSI					31.13	388	390	
Oct 31, 2018	10:50	8.2	6.63	390.3	2.64	-54	766.3	398	400	clear pale brown
Oct 31 2018	13:15	10.8	6.00	239.3	5.08	8.3	200.8	408	410	very pale brown
Nov 1, 2018	11:30	10.9	6.92	126.3	3.57	-96.9	486.1	428	430	clear pale brown
Nov 1, 2018	14:30	12.5	5.97	89.5	5.37	16.0	off scale	448	450	milky grey color
Nov 2, 2018	10:45	11.9	6.43	126.4	4.68	-27.6	440.9	458	460	Gray
Nov 2, 2018	14:00	12.9	6.65	177.3	0.21	102.8	off scale	478	480	Gray

RESOLUTION CONSULTANTS

Hydropunch Sample

Client: NWIRP - Bethpage
Project No: 60266526
Site Location: Red Maple Dr, Levittown NY
Weather Conds: Favorable

Date: NOV 5 - NOV 20, 2018
VPB: 173
Collector(s): V Thayer

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
Nov 5, 2018	11:30	8.4	6.54	164.5	2.56	-37.8	offscale	498	500	cloudy grey
Nov 5, 2018	14:15	9.5	7.11	122.2	0.35	-148.5	offscale	518	520	cloudy grey
Nov 6, 2018	11:30	9.8	6.46	8.2	3.33	9.6	offscale	538	540	cloudy grey
Nov 6, 2018	14:30	not enough for YSI turbidity						558	560	dark grey
Nov 7, 2018	13:30	11.9	7.19	212.1	0.65	-119.8	offscale	568	570	cloudy grey
Nov 8, 2018	10:30	no groundwater recovered						578	580	mud
Nov 8, 2018	13:00	9.90	6.9	-187.4	0.89	-60.7	offscale	583	585	dark grey
Nov 9, 2018	11:00	7.8°	7.02	298.8	2.25	-100.2	offscale	598	600	dark grey
Nov 9, 2018	14:00	8.3	6.61	163	2.72	-93.2	offscale	618	620	milky grey
Nov 12, 2018	12:15	8.3	7.26	140.9	1.09	-74.0	offscale	638	640	milky grey
Nov 12, 2018	14:00	8.8	6.49	165.5	4.35	-22.4	344.3	643	645	light grey/ish brown
Nov 13, 2018	12:15	8.6	7.05	126.3	5.25	-7.4	604.6	648	650	cloudy light brown
Nov 13, 2018	14:30	←	Hydropunch Dry			—	→	658	660	
Nov 14, 2018	11:00	6.6	7.59	495.9	0.06	-162.2	offscale	668	670	brownish grey
Nov 14, 2018	15:15	5.8	6.80	113.4	8.86	-65.5	675.3	688	690	Light brown/ grey
Nov 15, 2018	13:30	5.5	6.67	144.7	4.80	-40.8	offscale	713	715	
Nov 16, 2018	14:30	←	Hydropunch dry			—	→	738	740	
Nov 19, 2018	11:30	10.1	6.93	299	2.62	-17.2	offscale	748	750	pale brown
Nov 19, 2018	14:15	9.1	6.46	109.8	8.49	*0.7	1095	758	760	light brown
Nov 20, 2018	13:15	—	no groundwater recovered			—	—	783	785	no gw

RESOLUTION CONSULTANTS

Hydropunch Sample

Client: NWIRP - Bethpage
Project No: 60266526
Site Location: Red Maple DR. Levittown NY
Weather Conds: variable

Date: Nov 21 - Dec 5, 2018
VPB: 173
Collector(s): V Thayer

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
Nov 21 2018	11:30		no groundwater recovered					793	795	
Nov 21 2018	14:15		no groundwater recovered					798	800	
Nov 27 2018	10:45	2.2	7.55	214.8	0.16	-115.8	off scale	818	820	pale brown to cloudy brown
Nov 29 2018	12:00	2.4	6.36	75.4	3.90	-9.1	off scale	838	840	gray
Nov 29 2018	15:00		not enough sample for YSI + turbidity meter					858	860	gray
Nov 30 2018	12:00	4.7	7.51	194.9	5.95	-53.5	717.8	878	880	light gray to gray
Dec 3 2018	14:15		no groundwater recovered					898	900	
Dec 4 2018	12:00		not enough sample for YSI					918	920	brown
Dec 5 2018	12:30	3.7	7.27	638.5	6.07	-167.2	off scale	938	940	black

Section 4

VPB173 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 VPB173
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA SW-846 Method 8260C and Total Organic Carbon (TOC) by U.S. EPA SW-846 Method 9060A
Validation Level:	Stage 3 Validation Electronic and Manual
Prepared by:	Dana Miller/Resolution Consultants Completed on: 07/20/2019

SUMMARY

This report summarizes data review findings for the vertical profile boring (VPB) 173 (samples listed below) collected by Resolution Consultants from the Regional Groundwater Investigation — Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Site on 15 October to 5 December 2018 in accordance with the following Uniform Federal Policy (UFP) 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 Identification	Matrix/Sample Type	Analysis
VPB173-GW-101518-58-60'	Groundwater	8260C
VPB173-TB1-101518	Trip blank	8260C
VPB173-GW-101618-98-100'	Groundwater	8260C
VPB173-TB02-102218	Trip blank	8260C
VPB173-GW-102218-153-155	Groundwater	8260C
VPB173-GW-102318-203-205	Groundwater	8260C
VPB173-TB03-102418	Trip blank	8260C
VPB173-GW-102418-218-220	Groundwater	8260C
VPB173-GW-102418-238-240	Groundwater	8260C
VPB173-GW-102518-258-260	Groundwater	8260C
VPB173-GW-102518-278-280	Groundwater	8260C

Sample Identification	Matrix/Sample Type	Analysis
VPB173-TB04-102618	Trip blank	8260C
VPB173-GW-102618-308-310	Groundwater	8260C
VPB173-FD-GW-102618	Field duplicate	8260C
VPB173-GW-102618-318-320	Groundwater	8260C
VPB173-GW-102918-338-340	Groundwater	8260C
VPB173-TB05-102918	Trip blank	8260C
VPB173-GW-103018-388-390	Groundwater	8260C
VPB173-GW-103118-408-410	Groundwater	8260C
VPB173-GW-103118-398-400	Groundwater	8260C
VPB173-TB06-110118	Trip blank	8260C
VPB173-GW-110118(428-430)	Groundwater	8260C
VPB173-EB-110118(428-430)	Equipment blank	8260C
VPB173-GW-110118(448-450)	Groundwater	8260C
VPB173-TB07-110218	Trip blank	8260C
VPB173-GW-110218-478-480	Groundwater	8260C
VPB173-GW-110218-458-460	Groundwater	8260C
VPB173-GW-110518-518-520	Groundwater	8260C
VPB173-GW-110518-498-500	Groundwater	8260C
VPB173-TB08-110618	Trip blank	8260C
VPB173-GW-110618-538-540	Groundwater	8260C
VPB173-GW-110718-568-570	Groundwater	8260C
VPB173-SOIL-110618-543-545	Soil	9060A
VPB173-SOIL-FD-110618	Field dupliate	9060A
VPB173-EB-110618-543-545	Equipment blank	9060A
VPB173-TB09-110818	Trip blank	8260C
VPB173-GW-110818-583-585	Groundwater	8260C
VPB173-TB10-110918	Trip blank	8260C
VPB173-GW-110918-598-600	Groundwater	8260C
VPB173-EB-110918-598-600	Equipment blank	8260C
VPB173-GW-110918-618-620	Groundwater	8260C
VPB173-GW-111218-638-640	Groundwater	8260C
VPB173-GW-111218-643-645	Groundwater	8260C
VPB173-TB11-111318	Trip blank	8260C
VPB173-FD-111318	Field duplicate	8260C
VPB173-GW-111318-648-650	Groundwater	8260C
VPB173-GW-111418-668-670	Groundwater	8260C
VPB173-GW-111418-688-690	Groundwater	8260C
VPB173-TB12-111518	Trip blank	8260C

Sample Identification	Matrix/Sample Type	Analysis
VPB173-GW-111518-713-715	Groundwater	8260C
VPB173-TB13-111918	Trip blank	8260C
VPB173-GW-111918-748-750	Groundwater	8260C
VPB173-GW-111918-758-760	Groundwater	8260C
VPB173-GW-FB-112018	Field blank	8260C
VPB173-TB14-112718	Trip blank	8260C
VPB173-GW-112718-818-820	Groundwater	8260C
VPB173-GW-112918-858-860	Groundwater	8260C
VPB173-GW-112918-838-840	Groundwater	8260C
VPB173-TB16-113018	Trip blank	8260C
VPB173-GW-113018-878-880	Groundwater	8260C
VPB173-TB-120518	Trip blank	8260C
VPB173-GW-120518-938-940	Groundwater	8260C

Note:
SIM = Selective Ion Monitoring

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*, *National Functional Guidelines for Superfund Organic Methods Data Review* (U.S. EPA January 2017), *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (U.S. EPA January 2009), *Department of Defense (DoD) General Data Validation Guidelines (DoD February 2018), and DoD Quality Systems Manual for Environmental Laboratories*, Version 4.2 (DoD 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 /initial calibration verification /continuing calibration verification
- ✗ Laboratory blanks/field blanks/trip blanks

✗ Surrogate spike recovery
✓ Matrix spike and/or matrix spike duplicate result
✗ Laboratory control sample /laboratory control sample duplicate result
✓ Field duplicate
✓ Internal standard
✓ 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, no qualification was performed, and/or 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

Surrogate Spike Recovery

Surrogates provide information needed to assess the accuracy of analyses. Known amounts of surrogate compounds, which are not likely to be found in the actual samples, are added to each organic sample to check for accuracy. If surrogate percent recoveries (%Rs) are close to the known concentrations, the reported target compound concentrations are assumed to be accurate. Data qualification on the basis of surrogate recovery was as follows:

Surrogate Spike Recovery Non-Conformance Chart:

Criteria	Action	
	Detected	Non-Detected
Lower Limit ≤ %R or RPD ≤ Upper Limit	No qualification	No qualification
% 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 value
UJ = Undetected and estimated

Laboratory Blanks/Field Blanks/Trip Blanks

Laboratory 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 Chart:

Blank type	Blank result	Sample result	Action
Method, Storage, Trip, Field, or Equipment	**Detects**	**Not Detected**	**No Qualification**
	≤ LOQ	< LOQ	Report sample at LOQ and qualify as non-detect (U)
		≥ LOQ or ≥ 2x Blank Result for Methylene chloride, Acetone, and 2-Butanone	Use professional judgement
	≥ LOQ	< LOQ	Report sample at LOQ and qualify as non-detect (U)
		≥ LOD but < Blank Result	Report at sample result and qualify as non-detect (U) or reject the sample result as unusable (R)
		≥ LOQ and ≥ Blank Result or 2x Blank Result for Methylene chloride, Acetone, and 2-Butanone	Use professional judgement
	Gross Contamination	Detect	Report at sample result and qualify as unusable (R)

Notes:
LOQ = Limit of quantitation
U = Undetected
R = Rejected

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

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 A and Attachment B. Attachment C provides results qualified during data review. Attachment D provides final results after data review.

ATTACHMENTS

Attachment A: Qualifier Codes and Explanations
Attachment B: Reason Codes and Explanations
Attachment C: Results Qualified during Data Review
Attachment D: Final Results after Data Review

Attachment A
Qualifier Codes and Explanations

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

Attachment B
Reason Codes and Explanations

Reason Code	Explanation
be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
bm	Missing blank information
bt	Trip blank contamination
c	Calibration issue
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
e	Ether interference
ej	Above calibration range; result estimated.
f	Presumed contamination from FB or ER.
fd	Field duplicate RPDs
h	Holding times
hs	Headspace greater than 6mm in all sample vials
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
it	Instrument tune
k	Estimated maximum possible concentrations (EMPC)
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs
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 C
Final Results qualified during Data Review

Attachment C
Results Qualified during Data Review

SDG	Sample Id	Lab ID	Sample Date	Dilution Factor	Analyte	Result	Units	Lab Qualifiers	Validator Qualifiers	Final Qualifiers	RC
TL0539	VPB173-GW-102418-238-240	TL0539-3	10/24/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	l
TL0539	VPB173-GW-102518-258-260	TL0539-4	10/25/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	l
TL0539	VPB173-GW-102518-258-260	TL0539-4	10/25/2018	1	ISOPROPYLBENZENE	0.5	UG_L	ULMM	J	UJ	l
TL0907	VPB173-GW-110218-458-460	TL0907-3	11/2/2018	1	ACETONE	2.5	UG_L		U	U	bt
TL0907	VPB173-GW-110218-478-480	TL0907-2	11/2/2018	1	ACETONE	2.5	UG_L		U	U	bt
TL1224	VPB173-GW-111218-643-645	TL1224-6	11/12/2018	1	TRICHLOROETHENE	1.9	UG_L		J	J	s
TL2150	VPB173-GW-120518-938-940	TL2150-2DL	12/5/2018	2	1,2-DICHLOROETHENE, TOTAL	2	UG_L	UL	J	UJ	l
TL2150	VPB173-TB-120518	TL2150-1	12/5/2018	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	UL	J	UJ	l
TL0539	VPB173-GW-102518-278-280	TL0539-5	10/25/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	l
TL0539	VPB173-GW-102518-278-280	TL0539-5	10/25/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	l
TL0907	VPB173-GW-110518-498-500	TL0907-5	11/5/2018	1	ACETONE	2.5	UG_L		U	U	bt
TL0907	VPB173-GW-110518-518-520	TL0907-4	11/5/2018	1	ACETONE	2.5	UG_L		U	U	bt
TL0907	VPB173-GW-110518-518-520	TL0907-4	11/5/2018	1	CHLOROMETHANE	1	UG_L	J	J	J	s
TL0417	VPB173-TB02-102218	TL0417-1	10/22/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	l
TL0417	VPB173-TB02-102218	TL0417-1	10/22/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	l
TL0539	VPB173-TB03-102418	TL0539-1	10/24/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	l
TL1055	VPB173-GW-110618-538-540	TL1055-2	11/6/2018	1	ACETONE	3.3	UG_L	J	J	J	s
TL0539	VPB173-TB03-102418	TL0539-1	10/24/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	l
TL1108	VPB173-GW-110818-583-585	TL1108-2	11/8/2018	1	ACETONE	4.4	UG_L	J	J	J	s
TL0417	VPB173-GW-102218-153-155	TL0417-2	10/22/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	l
TL0417	VPB173-GW-102218-153-155	TL0417-2	10/22/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	l
TL0417	VPB173-GW-102318-203-205	TL0417-3	10/23/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	l
TL1224	VPB173-GW-110918-598-600	TL1224-2	11/9/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL1224	VPB173-GW-110918-618-620	TL1224-4	11/9/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL0417	VPB173-GW-102318-203-205	TL0417-3	10/23/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	l
TL0539	VPB173-GW-102418-218-220	TL0539-2	10/24/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	l
TL0539	VPB173-GW-102418-218-220	TL0539-2	10/24/2018	1	ISOPROPYLBENZENE	0.5	UG_L	UL	J	UJ	l
TL0539	VPB173-GW-102418-238-240	TL0539-3	10/24/2018	1	CHLOROMETHANE	1	UG_L	UL	J	UJ	l
TL0811	VPB173-GW-110118(428-430)	TL0811-2	11/1/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL0811	VPB173-GW-110118(448-450)	TL0811-4	11/1/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL1224	VPB173-GW-111218-638-640	TL1224-5	11/12/2018	1	ACETONE	2.5	UG_L	J	U	U	be
TL1224	VPB173-GW-111218-638-640	TL1224-5	11/12/2018	1	TRICHLOROETHENE	1.9	UG_L		J	J	s
TL1224	VPB173-GW-111218-643-645	TL1224-6	11/12/2018	1	ACETONE	2.5	UG_L	J	U	U	be

Notes:

See Attachment A for qualifier definition.

See Attachment B for reason code definition.

RC = Reason code

Attachment D
Final Results after Data Review

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1055	TL1055	TL1055
			Lab ID	TL1055-4	TL1055-5	TL1055-6
			Sample ID	VPB173-SOIL-110618-543-545	VPB173-SOIL-FD-110618	VPB173-EB-110618-543-545
			Sample Date	11/6/2018	11/6/2018	11/6/2018
			Sample Type	Soil	Soil	Equipment blank
Method	**Analyte**	**CAS No**	**Units**			
2540G	TOTAL SOLIDS	-29	PCT	82	82	NA
9060A	TOTAL ORGANIC CARBON	-28	UG_G	2100	510 J	0.19 J

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0120	TL0120
			Lab ID	TL0120-1DL	TL0120-3
			Sample ID	VPB173-GW-101518-58-60'	VPB173-GW-101618-98-100'
			Sample Date	10/15/2018	10/15/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<1 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<1 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<1 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<1 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<1 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<1 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<1 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<1.5 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<1 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<1 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<1 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<2 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<1 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<1 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<1 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	7.7 J	2.5 J
8260C	BENZENE	71-43-2	UG_L	<1 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<1 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<1 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<2 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<1 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<1 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<1 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<2 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	0.65 J	0.53 J

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0120	TL0120
		Lab ID		TL0120-1DL	TL0120-3
		Sample ID		VPB173-GW-101518-58-60'	VPB173-GW-101618-98-100'
		Sample Date		10/15/2018	10/15/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<2 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<1 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<1 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<1 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.61 J	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<2 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<1 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<1 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<2 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<1.5 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<1 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<1 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<1 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<1 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<1 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<1 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<1 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<1 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<1 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<2 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<2 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<3 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0417	TL0417
			Lab ID	TL0417-2	TL0417-3
			Sample ID	VPB173-GW-102218-153-155	VPB173-GW-102318-203-205
			Sample Date	10/22/2018	10/23/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0417	TL0417
			Lab ID	TL0417-2	TL0417-3
			Sample ID	VPB173-GW-102218-153-155	VPB173-GW-102318-203-205
			Sample Date	10/22/2018	10/23/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 UJ	<1 UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 UJ	<0.5 UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	16
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0539	TL0539
		Lab ID		TL0539-2	TL0539-3
		Sample ID		VPB173-GW-102418-218-220	VPB173-GW-102418-238-240
		Sample Date		10/24/2018	10/24/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	0.42 J	<0.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0539	TL0539
		Lab ID		TL0539-2	TL0539-3
		Sample ID		VPB173-GW-102418-218-220	VPB173-GW-102418-238-240
		Sample Date		10/24/2018	10/24/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 UJ	<1 UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 UJ	<0.5 UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	76	2.5
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.9 J	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0539	TL0539
			Lab ID	TL0539-4	TL0539-5
			Sample ID	VPB173-GW-102518-258-260	VPB173-GW-102518-278-280
			Sample Date	10/25/2018	10/25/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0539	TL0539
		Lab ID		TL0539-4	TL0539-5
		Sample ID		VPB173-GW-102518-258-260	VPB173-GW-102518-278-280
		Sample Date		10/25/2018	10/25/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 UJ	<1 UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 UJ	<0.5 UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	14	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0639	TL0639
		Lab ID		TL0639-2	TL0639-3
		Sample ID		VPB173-GW-102618-308-310	VPB173-FD-GW-102618
		Sample Date		10/26/2018	10/26/2018
		Sample Type		Groundwater	Field duplicate
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	3 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0639	TL0639
			Lab ID	TL0639-2	TL0639-3
			Sample ID	VPB173-GW-102618-308-310	VPB173-FD-GW-102618
			Sample Date	10/26/2018	10/26/2018
			Sample Type	Groundwater	Field duplicate
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0639	TL0761
			Lab ID	TL0639-4	TL0761-1
			Sample ID	VPB173-GW-102618-318-320	VPB173-GW-102918-338-340
			Sample Date	10/26/2018	10/29/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	2.4 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0639	TL0761
			Lab ID	TL0639-4	TL0761-1
			Sample ID	VPB173-GW-102618-318-320	VPB173-GW-102918-338-340
			Sample Date	10/26/2018	10/29/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0761	TL0761
		Lab ID		TL0761-3	TL0761-4
		Sample ID		VPB173-GW-103018-388-390	VPB173-GW-103118-408-410
		Sample Date		10/30/2018	10/31/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	2.4 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0761	TL0761
			Lab ID	TL0761-3	TL0761-4
			Sample ID	VPB173-GW-103018-388-390	VPB173-GW-103118-408-410
			Sample Date	10/30/2018	10/31/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0761	TL0811
			Lab ID	TL0761-5	TL0811-2
			Sample ID	VPB173-GW-103118-398-400	VPB173-GW-110118(428-430)
			Sample Date	10/31/2018	11/1/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	3 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0761	TL0811
			Lab ID	TL0761-5	TL0811-2
			Sample ID	VPB173-GW-103118-398-400	VPB173-GW-110118(428-430)
			Sample Date	10/31/2018	11/1/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0811	TL0907
			Lab ID	TL0811-4	TL0907-2
			Sample ID	VPB173-GW-110118(448-450)	VPB173-GW-110218-478-480
			Sample Date	11/1/2018	11/2/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0811	TL0907
		Lab ID		TL0811-4	TL0907-2
		Sample ID		VPB173-GW-110118(448-450)	VPB173-GW-110218-478-480
		Sample Date		11/1/2018	11/2/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0907	TL0907
		Lab ID		TL0907-3	TL0907-4
		Sample ID		VPB173-GW-110218-458-460	VPB173-GW-110518-518-520
		Sample Date		11/2/2018	11/5/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0907	TL0907
		Lab ID		TL0907-3	TL0907-4
		Sample ID		VPB173-GW-110218-458-460	VPB173-GW-110518-518-520
		Sample Date		11/2/2018	11/5/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	1 J
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0907	TL1055
			Lab ID	TL0907-5	TL1055-2
			Sample ID	VPB173-GW-110518-498-500	VPB173-GW-110618-538-540
			Sample Date	11/5/2018	11/6/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	3.3 J
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0907	TL1055
			Lab ID	TL0907-5	TL1055-2
			Sample ID	VPB173-GW-110518-498-500	VPB173-GW-110618-538-540
			Sample Date	11/5/2018	11/6/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1055	TL1108
			Lab ID	TL1055-3RA	TL1108-2
			Sample ID	VPB173-GW-110718-568-570	VPB173-GW-110818-583-585
			Sample Date	11/6/2018	11/8/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	8.9	4.4 J
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.91 J	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1055	TL1108
			Lab ID	TL1055-3RA	TL1108-2
			Sample ID	VPB173-GW-110718-568-570	VPB173-GW-110818-583-585
			Sample Date	11/6/2018	11/8/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	0.69 J	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1224	TL1224
			Lab ID	TL1224-2	TL1224-4
			Sample ID	VPB173-GW-110918-598-600	VPB173-GW-110918-618-620
			Sample Date	11/9/2018	11/9/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.33 J	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1224	TL1224
			Lab ID	TL1224-2	TL1224-4
			Sample ID	VPB173-GW-110918-598-600	VPB173-GW-110918-618-620
			Sample Date	11/9/2018	11/9/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	0.62 J	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL1224	TL1224
		Lab ID		TL1224-5	TL1224-6
		Sample ID		VPB173-GW-111218-638-640	VPB173-GW-111218-643-645
		Sample Date		11/12/2018	11/12/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1224	TL1224
			Lab ID	TL1224-5	TL1224-6
			Sample ID	VPB173-GW-111218-638-640	VPB173-GW-111218-643-645
			Sample Date	11/12/2018	11/12/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.9 J	1.9 J
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1373	TL1373
			Lab ID	TL1373-2RA	TL1373-3RA
			Sample ID	VPB173-FD-111318	VPB173-GW-111318-648-650
			Sample Date	11/13/2018	11/13/2018
			Sample Type	Field duplicate	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.5	1.6
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1373	TL1373
			Lab ID	TL1373-2RA	TL1373-3RA
			Sample ID	VPB173-FD-111318	VPB173-GW-111318-648-650
			Sample Date	11/13/2018	11/13/2018
			Sample Type	Field duplicate	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	7.1	7
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL1373	TL1373
		Lab ID		TL1373-4RA	TL1373-5RA
		Sample ID		VPB173-GW-111418-668-670	VPB173-GW-111418-688-690
		Sample Date		11/14/2018	11/14/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.57 J	1.1
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.47 J	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	3.2 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.6	1.5
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	0.39 J	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1373	TL1373
			Lab ID	TL1373-4RA	TL1373-5RA
			Sample ID	VPB173-GW-111418-668-670	VPB173-GW-111418-688-690
			Sample Date	11/14/2018	11/14/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.47 J	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	29	9.8
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1418	TL1564
			Lab ID	TL1418-2	TL1564-2
			Sample ID	VPB173-GW-111518-713-715	VPB173-GW-111918-748-750
			Sample Date	11/15/2018	11/19/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	0.61 J
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	0.6 J
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	0.7 J
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	4.4 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.71 J	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	0.73 J
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1418	TL1564
			Lab ID	TL1418-2	TL1564-2
			Sample ID	VPB173-GW-111518-713-715	VPB173-GW-111918-748-750
			Sample Date	11/15/2018	11/19/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	0.7 J
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	78
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1564	TL1730
			Lab ID	TL1564-3	TL1730-2
			Sample ID	VPB173-GW-111918-758-760	VPB173-GW-112718-818-820
			Sample Date	11/19/2018	11/27/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.84 J	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.55 J	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.69 J	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.91 J	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.1	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1564	TL1730
			Lab ID	TL1564-3	TL1730-2
			Sample ID	VPB173-GW-111918-758-760	VPB173-GW-112718-818-820
			Sample Date	11/19/2018	11/27/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.91 J	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	120	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1846	TL1846
			Lab ID	TL1846-2	TL1846-3
			Sample ID	VPB173-GW-112918-858-860	VPB173-GW-112918-838-840
			Sample Date	11/29/2018	11/29/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	3.7 J	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.61 J	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1846	TL1846
			Lab ID	TL1846-2	TL1846-3
			Sample ID	VPB173-GW-112918-858-860	VPB173-GW-112918-838-840
			Sample Date	11/29/2018	11/29/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	0.4 J	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL2010	TL2150
			Lab ID	TL2010-2	TL2150-2DL
			Sample ID	VPB173-GW-113018-878-880	VPB173-GW-120518-938-940
			Sample Date	11/30/2018	12/5/2018
			Sample Type	Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<1 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<1 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<1 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<1 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<1 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<1 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<1 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<1.5 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<1 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<1 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<1 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<2 UJ
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<1 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<1 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<1 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	7.7 J
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<1 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<1 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<1 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<2 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	0.57 J
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<1 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<1 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<2 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<1 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL2010	TL2150
		Lab ID		TL2010-2	TL2150-2DL
		Sample ID		VPB173-GW-113018-878-880	VPB173-GW-120518-938-940
		Sample Date		11/30/2018	12/5/2018
		Sample Type		Groundwater	Groundwater
Method	**Analyte**	**CAS No**	**Units**		
8260C	CHLOROMETHANE	74-87-3	UG_L	<1 U	<2 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	<0.5 U	<1 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	<0.5 U	<1 U
8260C	CYCLOHEXANE	110-82-7	UG_L	<0.5 U	<1 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	<0.5 U	<1 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	<1 U	<2 U
8260C	ETHYLBENZENE	100-41-4	UG_L	<0.5 U	<1 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	<0.5 U	<1 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	<1 U	<2 U
8260C	METHYL ACETATE	79-20-9	UG_L	<0.75 U	<1.5 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	<0.5 U	<1 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	<0.5 U	<1 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	<2.5 U	<5 U
8260C	O-XYLENE	95-47-6	UG_L	<0.5 U	<1 U
8260C	STYRENE	100-42-5	UG_L	<0.5 U	<1 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	<0.5 U	<1 U
8260C	TOLUENE	108-88-3	UG_L	<0.5 U	<1 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	<0.5 U	<1 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	<0.5 U	<1 U
8260C	TRICHLOROETHENE	79-01-6	UG_L	<0.5 U	<1 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	<1 U	<2 U
8260C	VINYL CHLORIDE	75-01-4	UG_L	<1 U	<2 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	<1.5 U	<3 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0120	TL0417	TL0539
			Lab ID	TL0120-2	TL0417-1	TL0539-1
			Sample ID	VPB173-TB1-101518	VPB173-TB02-102218	VPB173-TB03-102418
			Sample Date	10/15/2018	10/22/2018	10/24/2018
			Sample Type	Trip blank	Trip blank	Trip blank
Method	**Analyte**	**CAS No**	**Units**			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

				Sample Delivery Group	TL0120	TL0417	TL0539
				Lab ID	TL0120-2	TL0417-1	TL0539-1
				Sample ID	VPB173-TB1-101518	VPB173-TB02-102218	VPB173-TB03-102418
				Sample Date	10/15/2018	10/22/2018	10/24/2018
				Sample Type	Trip blank	Trip blank	Trip blank
8260C	CHLOROMETHANE	74-87-3	UG_L		<1 U	<1 UJ	<1 UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L		<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L		<0.5 U	<0.5 UJ	<0.5 UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L		<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L		<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L		<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L		<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L		<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L		<1.5 U	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL0639	TL0761	TL0811
			Lab ID	TL0639-1	TL0761-2	TL0811-1
			Sample ID	VPB173-TB04-102618	VPB173-TP05-102918	VPB173-TB06-110118
			Sample Date	10/26/2018	10/29/2018	11/1/2018
			Sample Type	Trip blank	Trip blank	Trip blank
Method	**Analyte**	**CAS No**	**Units**			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

				Sample Delivery Group	TL0639	TL0761	TL0811
				Lab ID	TL0639-1	TL0761-2	TL0811-1
				Sample ID	VPB173-TB04-102618	VPB173-TP05-102918	VPB173-TB06-110118
				Sample Date	10/26/2018	10/29/2018	11/1/2018
				Sample Type	Trip blank	Trip blank	Trip blank
8260C	CHLOROMETHANE	74-87-3	UG_L		<1 U	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L		<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L		<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L		<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L		<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L		<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L		<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L		<1.5 U	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL0811	TL0907	TL1055
		Lab ID		TL0811-3	TL0907-1	TL1055-1
		Sample ID		VPB173-EB-110118(428-430)	VPB173-TB07-110218	VPB173-TB08-110618
		Sample Date		11/1/2018	11/2/2018	11/6/2018
		Sample Type		Equipment blank	Trip blank	Trip blank
Method	**Analyte**	**CAS No**	**Units**			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	2.6 J	5.7	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

				Sample Delivery Group	TL0811	TL0907	TL1055
				Lab ID	TL0811-3	TL0907-1	TL1055-1
				Sample ID	VPB173-EB-110118(428-430)	VPB173-TB07-110218	VPB173-TB08-110618
				Sample Date	11/1/2018	11/2/2018	11/6/2018
				Sample Type	Equipment blank	Trip blank	Trip blank
8260C	CHLOROMETHANE	74-87-3	UG_L		<1 U	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L		<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L		<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L		<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L		<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L		<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L		<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L		<1.5 U	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1108	TL1224	TL1224
			Lab ID	TL1108-1	TL1224-1	TL1224-3
			Sample ID	VPB173-TB09-110818	VPB173-TB10-110918	VPB173-EB-110918-598-600
			Sample Date	11/8/2018	11/9/2018	11/9/2018
			Sample Type	Trip blank	Trip blank	Equipment blank
Method	**Analyte**	**CAS No**	**Units**			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	1.5 J
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	5.9
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

				Sample Delivery Group	TL1108	TL1224	TL1224
				Lab ID	TL1108-1	TL1224-1	TL1224-3
				Sample ID	VPB173-TB09-110818	VPB173-TB10-110918	VPB173-EB-110918-598-600
				Sample Date	11/8/2018	11/9/2018	11/9/2018
				Sample Type	Trip blank	Trip blank	Equipment blank
8260C	CHLOROMETHANE	74-87-3	UG_L		<1 U	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L		<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L		<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L		<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L		<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L		<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L		<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L		<1.5 U	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

		Sample Delivery Group		TL1373	TL1418	TL1564
		Lab ID		TL1373-1RA	TL1418-1	TL1564-1
		Sample ID		VPB173-TB11-111318	VPB173-TB12-111518	VPB173-TB13-111918
		Sample Date		11/13/2018	11/15/2018	11/19/2018
		Sample Type		Trip blank	Trip blank	Trip blank
Method	**Analyte**	**CAS No**	**Units**			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

				Sample Delivery Group	TL1373	TL1418	TL1564
				Lab ID	TL1373-1RA	TL1418-1	TL1564-1
				Sample ID	VPB173-TB11-111318	VPB173-TB12-111518	VPB173-TB13-111918
				Sample Date	11/13/2018	11/15/2018	11/19/2018
				Sample Type	Trip blank	Trip blank	Trip blank
8260C	CHLOROMETHANE	74-87-3	UG_L		<1 U	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L		<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L		<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L		<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L		<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L		<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L		<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L		<1.5 U	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL1564	TL1730	TL2010
			Lab ID	TL1564-4	TL1730-1	TL2010-1
			Sample ID	VPB173-GW-FB-112018	VPB173-TB14-112718	VPB173-TB16-113018
			Sample Date	11/20/2018	11/27/2018	11/30/2018
			Sample Type	Field blank	Trip blank	Trip blank
Method	**Analyte**	**CAS No**	**Units**			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	<0.75 U	<0.75 U	<0.75 U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	<1 U	<1 U	<1 U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	2-BUTANONE	78-93-3	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	2-HEXANONE	591-78-6	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	ACETONE	67-64-1	UG_L	<2.5 U	<2.5 U	<2.5 U
8260C	BENZENE	71-43-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOFORM	75-25-2	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	BROMOMETHANE	74-83-9	UG_L	<1 U	<1 U	<1 U
8260C	CARBON DISULFIDE	75-15-0	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROBENZENE	108-90-7	UG_L	<0.5 U	<0.5 U	<0.5 U
8260C	CHLOROETHANE	75-00-3	UG_L	<1 U	<1 U	<1 U
8260C	CHLOROFORM	67-66-3	UG_L	<0.5 U	<0.5 U	<0.5 U

Attachment D
Final Results after Data Review

				Sample Delivery Group	TL1564	TL1730	TL2010
				Lab ID	TL1564-4	TL1730-1	TL2010-1
				Sample ID	VPB173-GW-FB-112018	VPB173-TB14-112718	VPB173-TB16-113018
				Sample Date	11/20/2018	11/27/2018	11/30/2018
				Sample Type	Field blank	Trip blank	Trip blank
8260C	CHLOROMETHANE	74-87-3	UG_L		<1 U	<1 U	<1 U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	CYCLOHEXANE	110-82-7	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L		0.48 J	<0.5 U	<0.5 U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L		<1 U	<1 U	<1 U
8260C	ETHYLBENZENE	100-41-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L		<1 U	<1 U	<1 U
8260C	METHYL ACETATE	79-20-9	UG_L		<0.75 U	<0.75 U	<0.75 U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L		<2.5 U	<2.5 U	<2.5 U
8260C	O-XYLENE	95-47-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	STYRENE	100-42-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TETRACHLOROETHENE	127-18-4	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TOLUENE	108-88-3	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROETHENE	79-01-6	UG_L		<0.5 U	<0.5 U	<0.5 U
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L		<1 U	<1 U	<1 U
8260C	VINYL CHLORIDE	75-01-4	UG_L		<1 U	<1 U	<1 U
8260C	XYLENES, TOTAL	1330-20-7	UG_L		<1.5 U	<1.5 U	<1.5 U

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL2150
			Lab ID	TL2150-1
			Sample ID	VPB173-TB-120518
			Sample Date	12/5/2018
			Sample Type	Trip blank
Method	**Analyte**	**CAS No**	**Units**	
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 UJ
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

Attachment D
Final Results after Data Review

			Sample Delivery Group	TL2150
			Lab ID	TL2150-1
			Sample ID	VPB173-TB-120518
			Sample Date	12/5/2018
			Sample Type	Trip blank
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

Section 5

VPB173 Analytical Data Table

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB173	VPB173	VPB173	VPB173
Sample Date		10/15/2018	10/15/2018	10/22/2018	10/23/2018
Sample ID		VPB173-GW-101518-58-60	VPB173-GW-101618-98-100	VPB173-GW-102218-153-155	VPB173-GW-102318-203-205
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<1.5 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<2 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<1 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<1 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<1 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**7.7 J**	**2.5 J**	<2.5 U	<2.5 U
BENZENE	1	<1 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<1 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<1 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<2 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<1 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<2 U	<1 U	<1 U	<1 U
CHLOROFORM	7	**0.65 J**	**0.53 J**	<0.5 U	<0.5 U
CHLOROMETHANE	5	<2 U	<1 U	<1 UJ	<1 UJ
CIS-1,2-DICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<1 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
CYCLOHEXANE	NL	<1 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	**0.61 J**	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<2 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<1 U	<0.5 U	<0.5 UJ	<0.5 UJ
M- AND P-XYLENE	NL	<2 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<1.5 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<1 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<1 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<1 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	**16**
TOLUENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<1 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
TRICHLOROETHENE	5	<1 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<2 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<2 U	<1 U	<1 U	<1 U
XYLENES, TOTAL	5	<3 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB173	VPB173	VPB173	VPB173
Sample Date		10/24/2018	10/24/2018	10/25/2018	10/25/2018
Sample ID		VPB173-GW-102418-218-220	VPB173-GW-102418-238-240	VPB173-GW-102518-258-260	VPB173-GW-102518-278-280
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	**0.42 J**	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 UJ	<1 UJ	<1 UJ	<1 UJ
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	**76**	**2.5**	**14**	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
TRICHLOROETHENE	5	**0.9 J**	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 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)	VPB173	VPB173	VPB173	VPB173
Sample Date		10/26/2018	10/26/2018	10/26/2018	10/29/2018
Sample ID		VPB173-FD-GW-102618	VPB173-GW-102618-308-310	VPB173-GW-102618-318-320	VPB173-GW-102918-338-340
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	**3 J**	**2.4 J**	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 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)	VPB173	VPB173	VPB173	VPB173
Sample Date		10/30/2018	10/31/2018	10/31/2018	11/1/2018
Sample ID		VPB173-GW-103018-388-390	VPB173-GW-103118-398-400	VPB173-GW-103118-408-410	VPB173-GW-110118-428-430
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**2.4 J**	**3 J**	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 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)	VPB173	VPB173	VPB173	VPB173
Sample Date		11/1/2018	11/2/2018	11/2/2018	11/5/2018
Sample ID		VPB173-GW-110118-448-450	VPB173-GW-110218-458-460	VPB173-GW-110218-478-480	VPB173-GW-110518-498-500
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 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)	VPB173	VPB173	VPB173	VPB173
Sample Date		11/5/2018	11/6/2018	11/6/2018	11/8/2018
Sample ID		VPB173-GW-110518-518-520	VPB173-GW-110618-538-540	VPB173-GW-110718-568-570	VPB173-GW-110818-583-585
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	**3.3 J**	**8.9**	**4.4 J**
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	<0.5 U	<0.5 U	**0.91 J**	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	**1 J**	<1 U	**0.69 J**	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 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)	VPB173	VPB173	VPB173	VPB173
Sample Date		11/9/2018	11/9/2018	11/12/2018	11/12/2018
Sample ID		VPB173-GW-110918-598-600	VPB173-GW-110918-618-620	VPB173-GW-111218-638-640	VPB173-GW-111218-643-645
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	**0.33 J**	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	**0.62 J**	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
TRICHLOROETHENE	5	<0.5 U	<0.5 U	**1.9 J**	**1.9 J**
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 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)	VPB173	VPB173	VPB173	VPB173
Sample Date		11/13/2018	11/13/2018	11/14/2018	11/14/2018
Sample ID		VPB173-FD-111318	VPB173-GW-111318-648-650	VPB173-GW-111418-668-670	VPB173-GW-111418-688-690
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	**0.57 J**	**1.1**
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	**0.47 J**	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 U	<2.5 U	**3.2 J**	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	**1.5**	**1.6**	**1.6**	**1.5**
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	**0.39 J**	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	**0.47 J**	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
TRICHLOROETHENE	5	**7.1**	**7**	**29**	**9.8**
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 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)	VPB173	VPB173	VPB173	VPB173
Sample Date		11/15/2018	11/19/2018	11/19/2018	11/27/2018
Sample ID		VPB173-GW-111518-713-715	VPB173-GW-111918-748-750	VPB173-GW-111918-758-760	VPB173-GW-112718-818-820
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	**0.61 J**	**0.84 J**	<0.5 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	**0.55 J**	<0.5 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-DICHLOROETHENE	5	<0.5 U	**0.6 J**	**0.69 J**	<0.5 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	**0.7 J**	**0.91 J**	<1 U
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<0.5 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**4.4 J**	<2.5 U	<2.5 U	<2.5 U
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<1 U
CARBON DISULFIDE	60	**0.71 J**	<0.5 U	<0.5 U	<0.5 U
CARBON TETRACHLORIDE	5	<0.5 U	**0.73 J**	**1.1**	<0.5 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<1 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<0.5 U
CHLOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	**0.7 J**	**0.91 J**	<0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<1 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<0.5 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<0.5 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<0.5 U***
TRICHLOROETHENE	5	<0.5 U	**78**	**120**	<0.5 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<1 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<1 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)	VPB173	VPB173	VPB173	VPB173
Sample Date		11/29/2018	11/29/2018	11/30/2018	12/5/2018
Sample ID		VPB173-GW-112918-838-840	VPB173-GW-112918-858-860	VPB173-GW-113018-878-880	VPB173-GW-120518-938-940
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1,2,2-TETRACHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1,2-TRICHLOROETHANE	1	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,1-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2,4-TRICHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<1.5 U***
1,2-DIBROMOETHANE	NL	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2-DICHLOROETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
1,2-DICHLOROETHENE, TOTAL	5	<1 U	<1 U	<1 U	<2 UJ
1,2-DICHLOROPROPANE	1	<0.5 U	<0.5 U	<0.5 U	<1 U
1,3-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<1 U
1,4-DICHLOROBENZENE	3	<0.5 U	<0.5 U	<0.5 U	<1 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<5 U
ACETONE	50	<2.5 U	**3.7 J**	<2.5 U	**7.7 J**
BENZENE	1	<0.5 U	<0.5 U	<0.5 U	<1 U
BROMODICHLOROMETHANE	50	<0.5 U	<0.5 U	<0.5 U	<1 U
BROMOFORM	50	<0.5 U	<0.5 U	<0.5 U	<1 U
BROMOMETHANE	5	<1 U	<1 U	<1 U	<2 U
CARBON DISULFIDE	60	<0.5 U	**0.61 J**	<0.5 U	**0.57 J**
CARBON TETRACHLORIDE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
CHLOROBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
CHLOROETHANE	5	<1 U	<1 U	<1 U	<2 U
CHLOROFORM	7	<0.5 U	<0.5 U	<0.5 U	<1 U
CHLOROMETHANE	5	<1 U	**0.4 J**	<1 U	<2 U
CIS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<1 U***
CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<1 U
DIBROMOCHLOROMETHANE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
DICHLORODIFLUOROMETHANE	5	<1 U	<1 U	<1 U	<2 U
ETHYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
ISOPROPYLBENZENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
M- AND P-XYLENE	NL	<1 U	<1 U	<1 U	<2 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<1.5 U
METHYL CYCLOHEXANE	NL	<0.5 U	<0.5 U	<0.5 U	<1 U
METHYL TERT-BUTYL ETHER	10	<0.5 U	<0.5 U	<0.5 U	<1 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<5 U
O-XYLENE	NL	<0.5 U	<0.5 U	<0.5 U	<1 U
STYRENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TETRACHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TOLUENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TRANS-1,2-DICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.5 U***	***<0.5 U***	***<0.5 U***	***<1 U***
TRICHLOROETHENE	5	<0.5 U	<0.5 U	<0.5 U	<1 U
TRICHLOROFLUOROMETHANE	5	<1 U	<1 U	<1 U	<2 U
VINYL CHLORIDE	2	<1 U	<1 U	<1 U	<2 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<3 U

Notes:

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

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

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

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

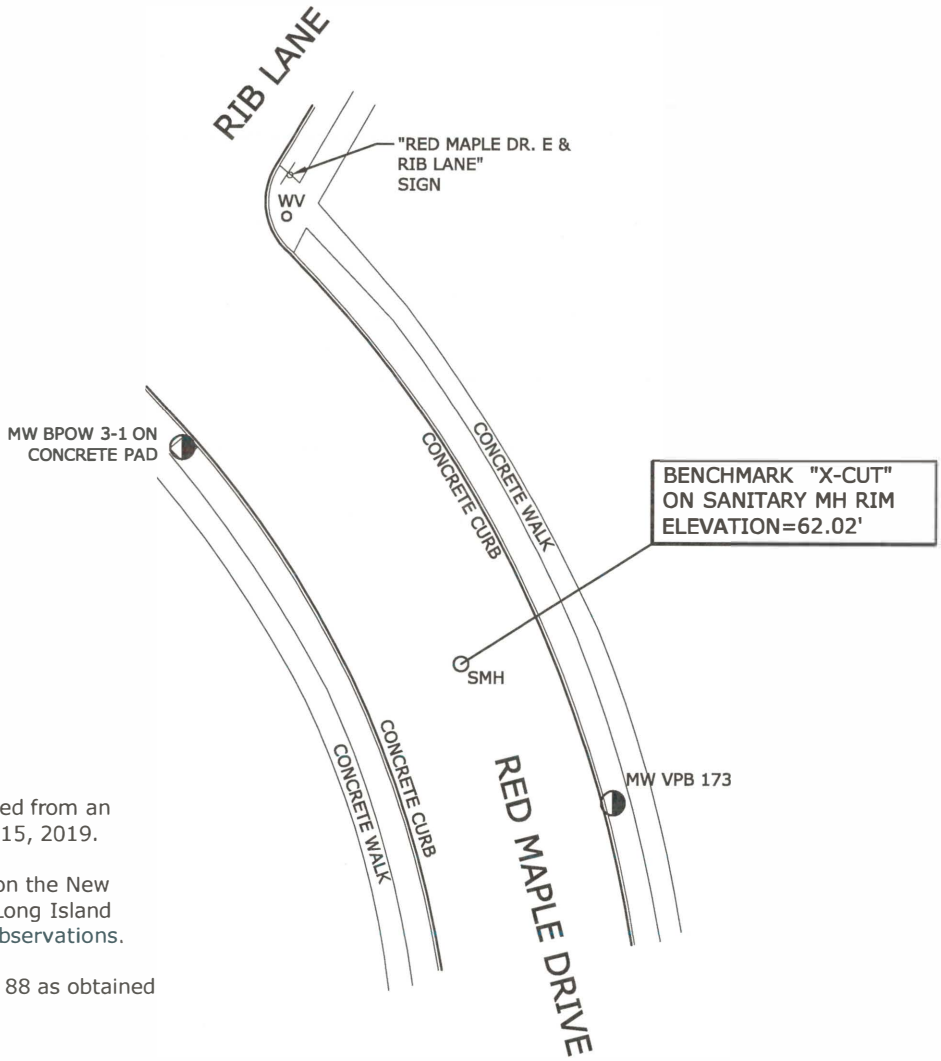
Section 6

VPB173 Survey

NONE :XREFS

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

Description	Northing	Easting	Latitude	Longitude	Ground	Top of Casing	Top of PVC
MW VPB173	198577.38	1124872.35	N40-42-38.19	W73-29-33.97	61.19'	61.19	N/A



Map Notes

1. Information shown hereon was compiled from an actual field survey conducted on April 15, 2019.
2. North orientation is Grid North based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 as obtained from GPS observations.
3. Vertical datum shown hereon is NAVD 88 as obtained from GPS observations.

Legend

MW VPB 173 ◑	MONITOR WELL/VERTICAL PROFILE BORING
○ SMH	SANITARY MANHOLE
o WV	WATER VALVE

BAR SCALE

30 0 15 30 60

1 inch = 30 ft.

DWG NO. 19-282

Date	RECORD OF WORK	Appr.

STATE OF NEW YORK WILLIAM J. NAZLETON 049513 LICENSED LAND SURVEYOR

Drafter: MDD	Checker: WJN
Appr. by: WJN	Proj. No. 14.4121

VERTICAL PROFILE BORING 173 SURVEY LOCATION
RED MAPLE DRIVE

TOWN OF LEVITTOWN | NASSAU COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299

SCALE: 1"=30' | DATE:APRIL 15, 2019

CAD DWG. FILE NAME: K:\Projects\144121\Survey\Drawings and Maps\2019 DRAWINGS\2019 VPB 173 RED MAPLE DR.dwg