2015-2016 OU2 GROUNDWATER INVESTIGATION DATA SUMMARY REPORT VPB165

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

Prepared for:

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

June 2016

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Department of the Navy
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Contract Number: N62470-11-D-8013
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List of Acronyms and Abbreviations

AOC	Area of Concern
bgs	below ground surface
COR	Continuously Operating Reference
DoD	Department of Defense
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency, United States
ft	feet
GOCO	Government-Owned Contractor-Operated
GPS	Global Positioning System
IDW	Investigation Derived Waste
IR	Installation Restoration
Katahdin	Katahdin Analytical Services
NAD	North American Datum
NAVD	North American Vertical Datum
NAVFAC	Naval Facilities Engineering Command
NG	Northrop Grumman
NWIRP	Naval Weapons Industrial Reserve Plant
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 VPB165 location) in 2015 and 2016 for the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Operable Unit (OU) 2 Site 1 offsite plume. NWIRP Bethpage is located in east-central Nassau County, Long Island, New York, approximately 30 miles east of New York City (Figure 1).

1.1 Scope and Objectives

This data summary report provides information on the installation of VPB165. The purpose of the VPB165 investigation was to ascertain contaminant levels and depths, and the western extent of the offsite plume south of Hempstead Turnpike and west of Wantaugh Avenue. VPB locations within the general vicinity of VPB165 are shown in Figure 2. VPB165 was completed to 905 feet (ft) below ground surface (bgs).

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

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

1.2 Site History

NWIRP Bethpage is in the Hamlet of Bethpage, Town of Oyster Bay, New York. Since its inception in 1941, the plant's primary mission was the research, prototyping, testing, design, engineering, fabrication, and primary assembly of military aircraft. The facilities at NWIRP included four plants used for assembly and prototype testing, a group of quality control laboratories, two warehouse complexes (north and south), a salvage storage area, water recharge basins, the Industrial Wastewater Treatment Plant, and several smaller support buildings.

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

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

1.3 Geology and Hydrogeology

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

The upper Pleistocene ranges in thickness from approximately 50 to 100 ft and consists of till and outwash deposits of medium to coarse sand and gravel with lenses of fine sand, silt and clay (Smolensky and Feldman, 1990); these deposits form the Upper Glacial Aquifer. Directly underlying this unit is the Magothy Formation with a thickness of 650 to 900 ft and lower extent 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 VPB165, the bottom of the Magothy (top of the Raritan Clay) is encountered at approximately 893 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 producing zones of the Magothy Aquifer

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

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

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

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

2.0 FIELD PROGRAM

Field investigation activities at VPB165 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 (VPB165) was completed during this field effort between December 1, 2015 and January 13, 2016. The total depth of VPB165 was 905 ft. The location is shown in Figure 2 and details are summarized in Table 1.

2.1.1 Drilling

VPB165 was installed by setting a 10-inch diameter surface casing to 53 feet bgs and then setting an 8-inch diameter casing inside the 10-inch casing to 121 feet bgs. Finally an 8-inch diameter hole was drilled using mud rotary drilling techniques. Drilling mud consisted of potable water and polymer-free sodium bentonite or similar material. Drilling mud was contained and re-circulated in baffled, high capacity mud tubs. A sand separator was used intermittently to remove fines from circulation.

2.1.2 Sampling

A total of seven split spoon samples were collected from ground surface to the bottom of the boring. A change in geology was observed by the field geologist at 893 ft bgs and three split spoon samples were subsequently collected to confirm the presence of the Raritan Clay. Samples were logged by the field geologist and screened for Volatile Organic Compounds (VOCs) utilizing a photoionization detector (PID). A detailed boring log for VPB165 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 for laboratory analysis for total organic carbon (TOC) by EPA series SW-846 method 9060A. During drilling, air sampling was conducted under a Community Air Monitoring Plan. One air sample was collected using a Summa canister and submitted for laboratory analysis by EPA Method TO-15. All analyses were performed or sub-contracted by Katahdin. Data validation of both TOC and air data was performed by Resolution Consultants. Data validation packages and analytical data tables are included in Appendix A.

2.1.3 Geophysics

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

2.2 Decontamination and Investigation Derived Waste (IDW)

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

As part of the IDW management practices and in accordance with the SAP, the investigation waste (consisting of soil cuttings, drilling muds, IDW fluids, and personal protective equipment [PPE]) generated during the boring installation was containerized and staged at NWIRP Bethpage. IDW solids were characterized and disposed of properly. Representative samples from each roll off were submitted to Katahdin for analysis of:

- Target Compound List (TCL) VOCs

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

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

2.3 Surveying

A survey of the boring location was conducted at the end of fieldwork by C. T. Male, Inc., of Latham, NY, under the direct supervision of Resolution Consultants. The location was tied into the existing base map developed for this investigation. The survey elevation is referenced to the North American Vertical Datum (NAVD) 1988 and has a vertical accuracy of 0.01 foot. Vertical control is based on observations of the Continuously Operating Reference (COR) Stations Queens and Central Islip. The horizontal location is referenced to the North American Datum (NAD) 1983 (2011) N.Y. Long Island Zone 3104 and has an accuracy of 0.1 foot. Local horizontal and vertical control is based on Global Positioning System (GPS) observations using the NYSNet 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 OU-2 Offsite TCE Groundwater Plume Investigation,* NWIRP, Bethpage, New York. April.

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

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

Tables

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

BORING	BORING START DATE	BORING COMPLETION DATE	GROUND ELEVATION (MSL)	TOTAL DEPTH (ft bgs)	*SURFACE CASING SET AT (ft bgs)	NO. OF SPOON SAMPLES	GAMMA LOG (ft bgs)	NO. GW SAMPLES COLLECTED / DUPLICATES / ATTEMPTED	TOC SAMPLE DEPTH (ft bgs)	DATE OF AIR SAMPLE	MONITORING WELLS INSTALLED AT LOCATION
VPB165	12/1/2015	1/13/2016	86.26	905	53	7	900	38/2/1	178-180	12/30/2015	RE131D1, RE131D2, RE131D3

MSL - mean sea level
ft bgs - feet below ground surface
GW - Groundwater
TOC - Total Organic Carbon
*8-inch casing installed to 120 feet inside 10-inch casing

Figures

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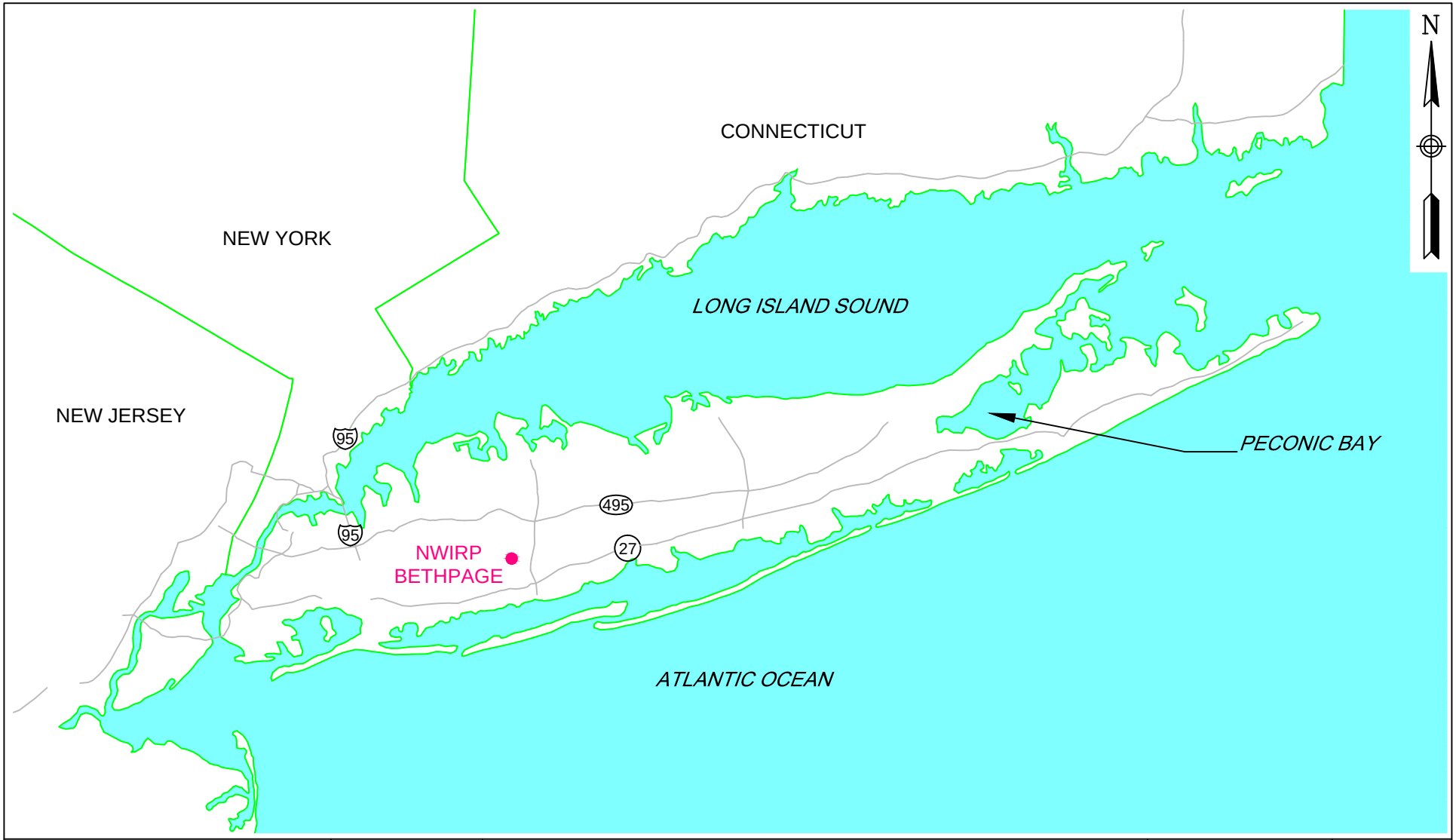

0 15 30

SCALE IN MILES

NAVFAC

GENERAL LOCATION MAP
NWIRP BETHPAGE
BETHPAGE, NEW YORK

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

F:\Projects\Navy\Bethpage WXE0817.0 Deliverables\7.2 CADD\GIS_files\Bethpage\MAP DOCS\MXD\MISC\Location Maps\F2 VPB165 2016 05 11 R1.mxd

Former Naval Weapons Industrial Reserve Plant

Former Northrop Grumman Site

VPB165

Inset: VPB165 Location

Legend

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

0 750 1,500 3,000 Feet

0 375 750 Feet

CONTRACT NUMBER N62470-11-D8013	CTO NUMBER WE15
APPROVED BY PS	DATE 5/12/2016
APPROVED BY —	DATE —
FIGURE NO. 2	REV 0

VPB165 LOCATION MAP
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK

Appendix A

VPB165

Section 1

VPB165 Boring and Gamma Logs

Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 1 of 15

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic		**Logged By:** V. Varricchio
Location: Oriole & Cardinal Rd, Levittown, NY	**Northing:** 204352.95 **Easting:** 1123086.29	**Drilling Company:** Delta Well & Pump
Project #: 60266526	**Ground Elevation (ft amsl):** 86.26	**Well Screen Interval (ft):** NA
Start Date: 12/1/2015	**Drilling Method:** Auger (0-50' bgs) Mud Rotary (>50' bgs)	**Water Level (ft):** NA
Finish Date: 1/13/2016		**Total Depth (ft):** 905.0

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

DEPTH (ft)	Gamma Ray (30 60 90)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
0								
2					Upper Glacial	ASPAHLT		Asphalt
4						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse sub rounded SAND, fine to coarse subrounded Gravel
6								
8						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse sub rounded SAND, fine to coarse subrounded Gravel
10								
12						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse sub rounded SAND, fine to coarse subrounded Gravel
14								
16						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse sub rounded SAND, fine to coarse subrounded Gravel
18								
20						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse sub rounded SAND, fine to coarse subrounded Gravel
22								
24						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse sub rounded SAND, fine to coarse subrounded Gravel
26								
28						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse sub rounded SAND, fine to coarse subrounded Gravel
30								
32						SP		Yellowish Brown (10 YR 5/6) poorly graded medium SAND, trace subrounded fine Gravel
34								
36						SP		Yellowish Brown (10 YR 5/6) poorly graded medium SAND, trace subrounded fine Gravel
38								
40						SP		Yellowish Brown (10 YR 5/6) poorly graded medium SAND, trace subrounded fine Gravel
42								
44						SP		Yellowish Brown (10 YR 5/6) poorly graded medium SAND, trace subrounded fine Gravel
46								
48						SP		Yellowish Brown (10 YR 5/6) poorly graded medium SAND, trace subrounded fine Gravel
50								
52						SP		Yellowish Brown (10 YR 5/6) poorly graded medium SAND, trace subrounded fine Gravel
54								

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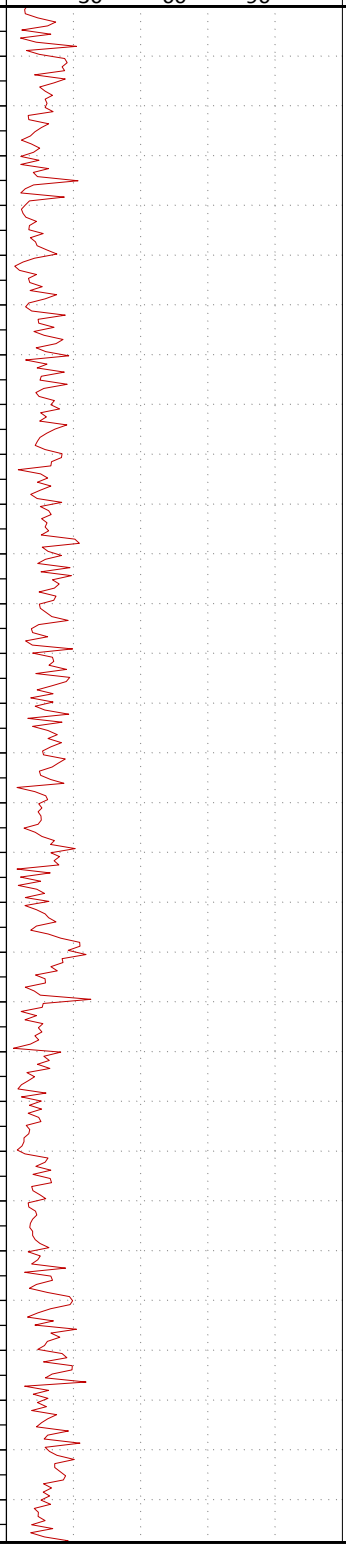
Boring Log

BORING #: VPB165
Sheet 2 of 15



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
54				Upper Glacial	SP		Yellowish Brown (10 YR 5/6) poorly graded medium SAND, trace subrounded fine Gravel *(continued)*
56							
58							
60		< 0.50	< 0.50		GW		Reddish Yellow (7.5 YR 6/8) well graded fine to coarse subrounded GRAVEL, trace coarse subangular Sand
62							
64					GW		Reddish Yellow (7.5 YR 6/8) well graded fine to coarse subangular GRAVEL, trace coarse subangular Sand and iron nodules
66							
68							
70					SW		Strong Brown (7.5 YR 5/8) well graded fine to coarse subangular SAND, few fine subangular Gravel and iron nodules
72							
74					GW		Reddish Yellow (7.5 YR 6/6) well graded fine to coarse subangular GRAVEL, few well graded fine to coarse subangular Sand and iron nodules
76							
78							
80					GW		Reddish Yellow (7.5 YR 6/6) well graded fine to coarse angular GRAVEL, few well graded fine to coarse subangular Sand and iron nodules
82							
84					GW		Reddish Yellow (7.5 YR 6/6) well graded fine to coarse subangular GRAVEL, few well graded fine to coarse subangular Sand and iron nodules
86							
88							
90					SP		Reddish Yellow (7.5 YR 6/6) poorly grade medium SAND, trace poorly graded fine subangular Gravel and iron nodules
92							
94					ML		Reddish Yellow (7.5 YR 6/6) poorly grade fine Sandy SILT, trace poorly graded fine subangular Gravel and iron nodules
96							
98							
100		< 0.50	< 0.50		GW		Light Yellowish Brown (10 YR 6/4) well graded fine to coarse angular GRAVEL, trace well graded fine to medium subangular Sand and iron nodules
102				Magothy			
104					SM		Light Yellowish Brown (10 YR 6/4) Silty well graded fine to coarse subangular SAND, some well graded fine to coarse angular gravel and iron nodules
106							
108							
110					ML		Reddish Yellow (7.5 YR 6/6) poorly grade fine Sandy SILT, trace poorly graded fine subangular Gravel and iron nodules
112							
114					ML		Very Pale Brown (10 YR 7/3) poorly graded fine Sandy SILT, trace iron nodules

(Continued Next Page)

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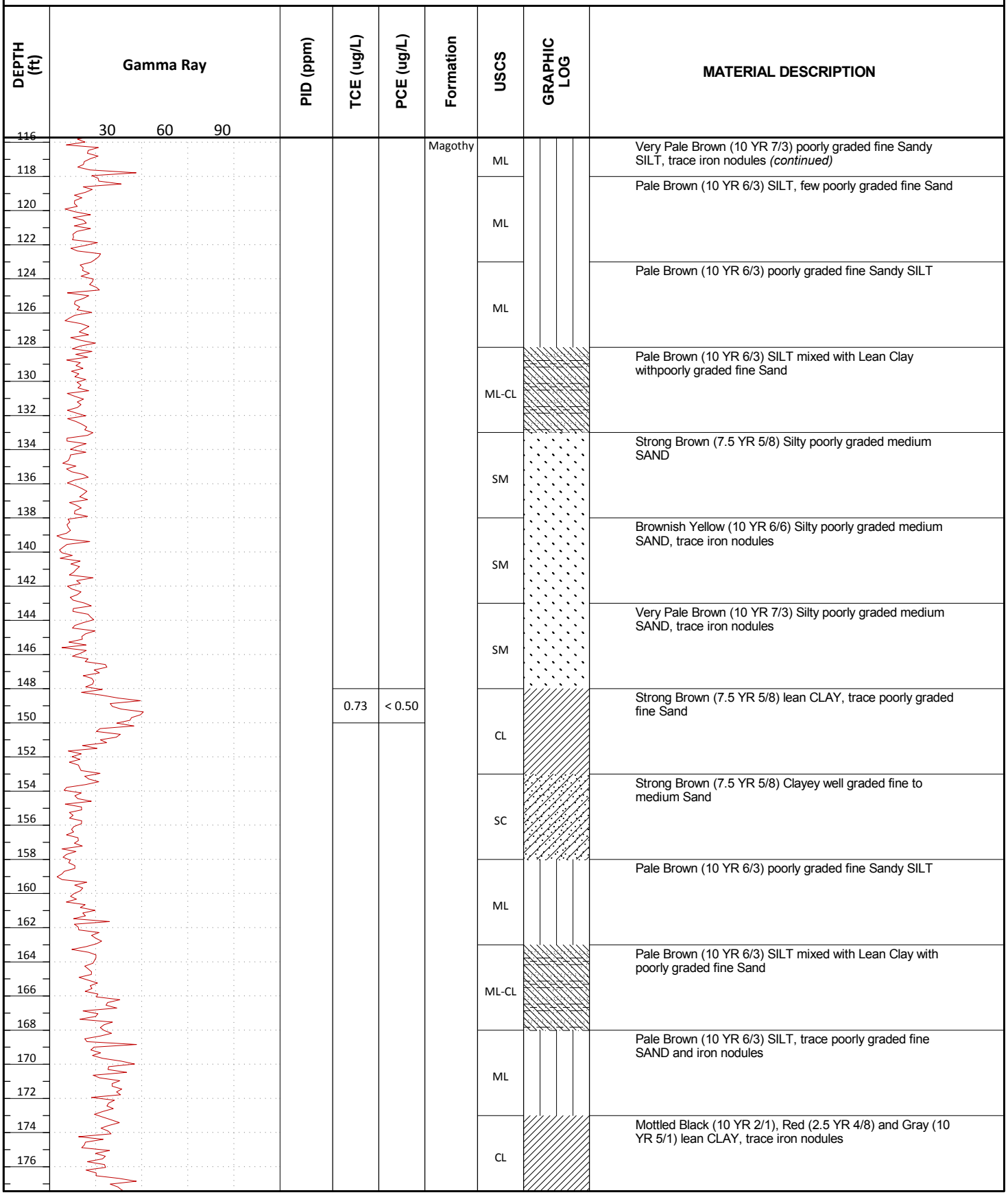
Boring Log

BORING #: VPB165
Sheet 3 of 15



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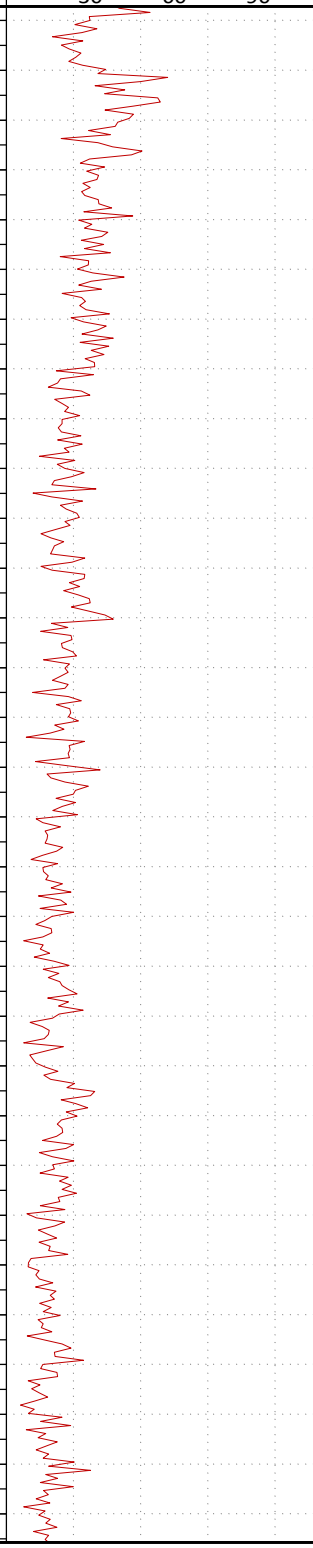
Boring Log

BORING #: VPB165
Sheet 4 of 15



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
178				Magothy			
180	0				OL-OH		Black (10 YR 2/1) ORGANIC SOIL, trace poorly gradaed fine Sand
182							
184					OL-OH		Black (10 YR 2/1) ORGANIC SOIL, trace poorly gradaed fine Sand
186							
188					OL-OH		Black (10 YR 2/1) ORGANIC SOIL, trace poorly gradaed fine Sand
190							
192					OL-OH		Black (10 YR 2/1) ORGANIC SOIL, trace poorly gradaed fine Sand
194							
196					OL-OH		Black (10 YR 2/1) ORGANIC SOIL, trace poorly gradaed fine Sand
198							
200		6.9	1.1		ML		Pale Brown (10 YR 6/3) Lean Clayey SILT
202							
204					CL		Pale Brown (10 YR 6/3) Silty lean CLAY
206							
208					CL		Pale Brown (10 YR 6/3) Silty lean CLAY
210							
212					CL		Pale Brown (10 YR 6/3) Silty lean CLAY
214							
216					ML		Pale Brown (10 YR 6/3) SILT with some well graded fine to medium Sand, few lean clay and trace iron nodules
218							
220		12	1.7		ML		Pale Brown (10 YR 6/3) SILT with some well graded fine to medium Sand, few lean clay and trace iron nodules
222							
224					SM		Light Brown (7.5 YR 6/4) Well graded fine to medium Sandy CLAY, few iron nodules
226							
228					SM		Light Brown (7.5 YR 6/4) Well graded fine to medium Sandy CLAY, few iron nodules
230							
232							
234							
236							
238		18	2.5		CH		

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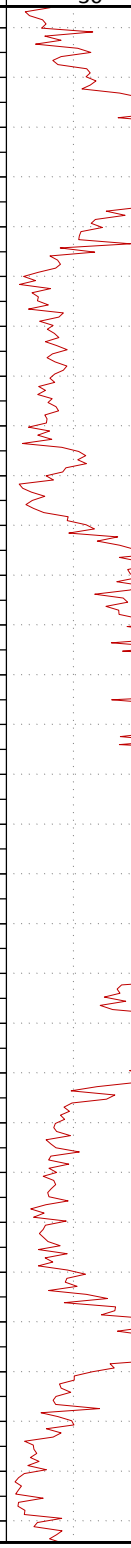
Boring Log

BORING #: VPB165
Sheet 5 of 15



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
240		18	2.5	Magothy	CH		Dark Brown (10 YR 4/1) Fat CLAY, trace poorly graded fine Sand and iron nodules *(continued)*
242							
244					CH		Dark Brown (10 YR 4/1) Fat CLAY, trace poorly graded fine Sand
246							
248							
250					CH		Dark Brown (10 YR 4/1) Fat CLAY, trace poorly graded fine Sand and iron nodules
252							
254					SC		Dark Brown (10 YR 4/1) Clayey poorly graded fine Sand, trace iron nodules
256							
258							
260		< 0.50	< 0.50		SM		Black (10 YR 2/1) Silty poorly graded fine SAND, trace poorly gradaed fine subangular gravel and iron nodules
262							
264					SP-SM		Black (10 YR 2/1) poorly graded fine SAND with few Silt, trace iron nodules
266							
268							
270					CL		Brown (10 YR 4/3) Lean CLAY with few poorly graded fine Sand
272							
274					ML		Black (10 YR 2/1) SILT with few poorly graded fine Sand, trace iron nodules
276							
278							
280		< 1.1	< 1.1		OL-OH		Dark Gray (7.5 YR 3/1) ORGANIC SOIL, little Silt and trace iron nodules
282							
284					SP-SM		Pink (7.5 YR 7/4) poorly graded fine SAND, few Silt, trace iron nodules
286							
288							
290		24	0.95		SW-SM		Reddish Yellow (7.5 YR 6/6) well graded fine to medium SAND, few Silt, trace lignite and iron nodules
292							
294					SP-SM		Reddish Yellow (7.5 YR 6/6) poorly graded fine SAND, few Silt, trace fine poorly graded fine gravel, iron nodules and lignite
296							
298							
300		73	11		SP-SM		Dark Gray (7.5 YR 4/1) poorly graded fine to medium SAND, few Silt, little clay, trace lignite

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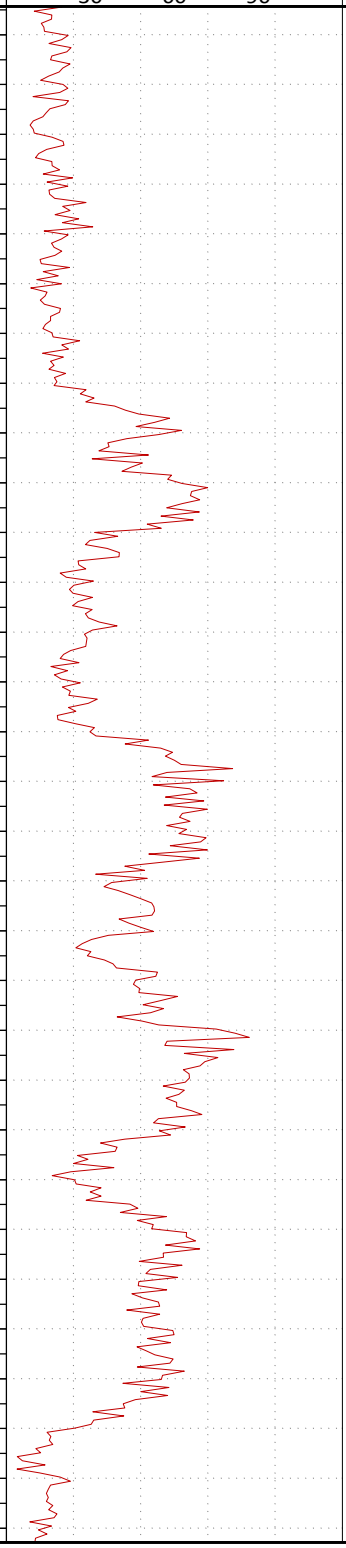
Boring Log

BORING #: VPB165
Sheet 6 of 15



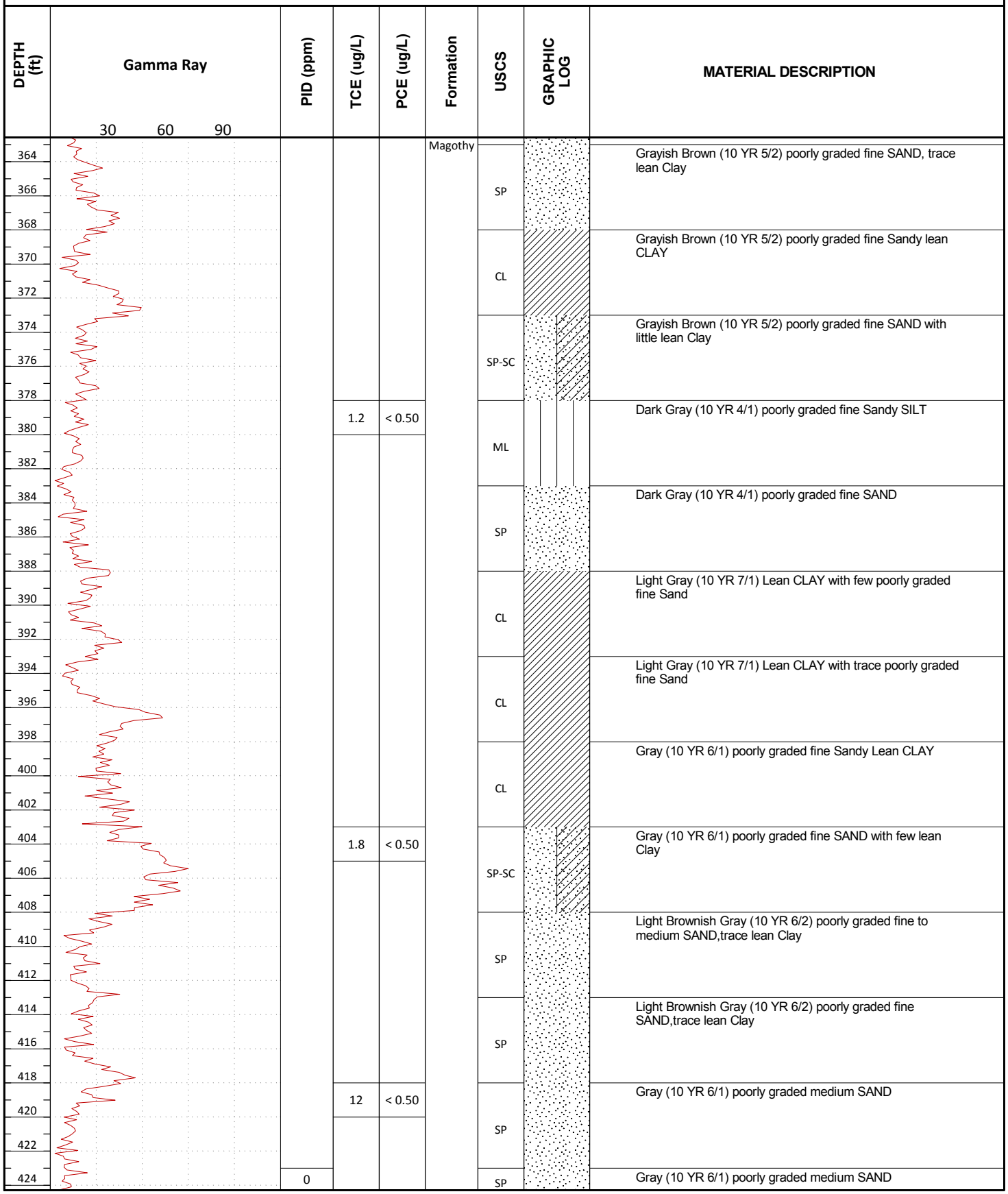
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
302				Magothy	SP-SM		Dark Gray (7.5 YR 4/1) poorly graded fine to medium SAND, few Silt, little clay, trace lignite *(continued)*
304					SP-SM		Brown (10 YR 4/2) poorly graded fine to medium SAND, few Silt and clay, trace iron nodules
306							
308							
310					SP-SM		Brown (10 YR 4/2) poorly graded fine to medium SAND, few Silt and clay, trace iron nodules
312							
314					SP-SM		Brown (10 YR 4/2) poorly graded fine to medium SAND, few Silt and clay, trace iron nodules
316							
318							
320		< 0.91	< 0.91		CH		Grayish Brown (10 YR 5/2) Fat CLAY
322							
324					CH		Light Gray (10 YR 7/2) Fat CLAY, trace poorly graded fine Sand
326							
328							
330					SC		Light Gray (10 YR 7/2) Clayey poorly graded fine SAND
332							
334					CH		Light Gray (10 YR 7/2) poorly graded fine Sandy Fat CLAY
336							
338							
340		< 1.1	< 1.1		CL		Dark Gray (10 YR 4/1) lean CLAY with few poorly graded fine Sand and silt
342							
344					CL		Dark Gray (10 YR 4/1) lean CLAY with trace poorly graded fine Sand
346							
348							
350					CL		Dark Gray (10 YR 4/1) lean CLAY with few poorly graded fine Sand and silt
352							
354							
356					CL		Dark Gray (10 YR 4/1) lean CLAY with trace poorly graded fine Sand
358							
360		< 0.50	< 0.50		SP		Grayish Brown (10 YR 5/2) poorly graded fine SAND, trace lean Clay
362							

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 7 of 15



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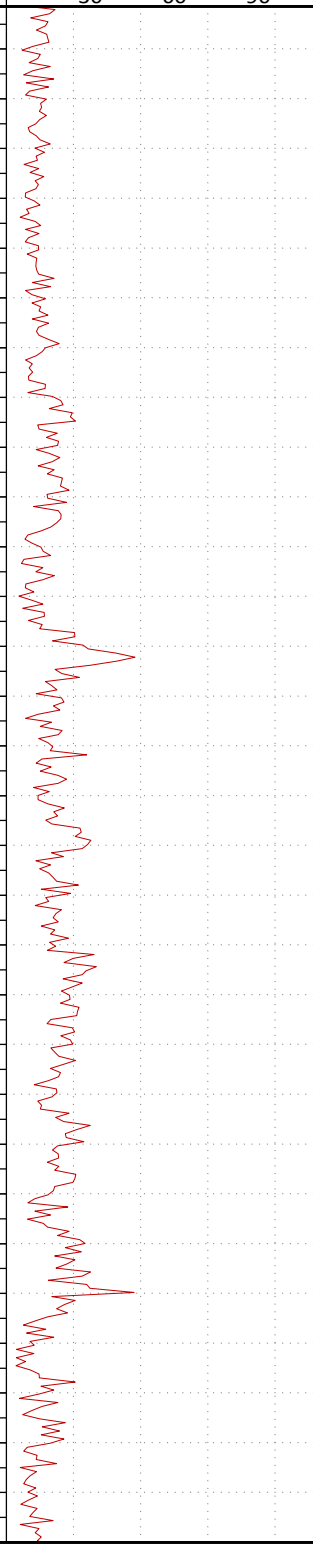
Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 8 of 15



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	MATERIAL DESCRIPTION
426				Magothy	SP	Gray (10 YR 6/1) poorly graded medium SAND *(continued)*
428						
430					SP	Light Brownish Gray (10 YR 6/2) poorly graded fine SAND
432						
434					SP-SM	Light Brownish Gray (10 YR 6/2) poorly graded fine SAND with few Silt
436						
438						
440		140	16		SP	Light Gray (10 YR 7/1) poorly graded medium SAND
442						
444					SP	Light Gray (10 YR 7/2) poorly graded fine SAND
446						
448						
450					SP	Light Gray (10 YR 7/2) poorly graded fine SAND
452						
454					SP	Light Gray (10 YR 7/1) poorly graded medium SAND
456						
458						
460		62	9.0		SP	Light Gray (10 YR 7/1) poorly graded fine SAND
462						
464					SP	Light Gray (10 YR 7/1) poorly graded medium SAND
466						
468						
470					SP	Light Gray (10 YR 7/2) poorly graded fine SAND
472						
474					SP	Light Gray (10 YR 7/2) poorly graded medium SAND, trace lean Clay
476						
478						
480		45	11		SW	Gray (10 YR 6/1) well graded fine to coarse subangular SAND, trace lean Clay
482						
484					SW	Gray (10 YR 6/1) well graded fine to coarse subangular SAND, few lean Clay
486						

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 9 of 15

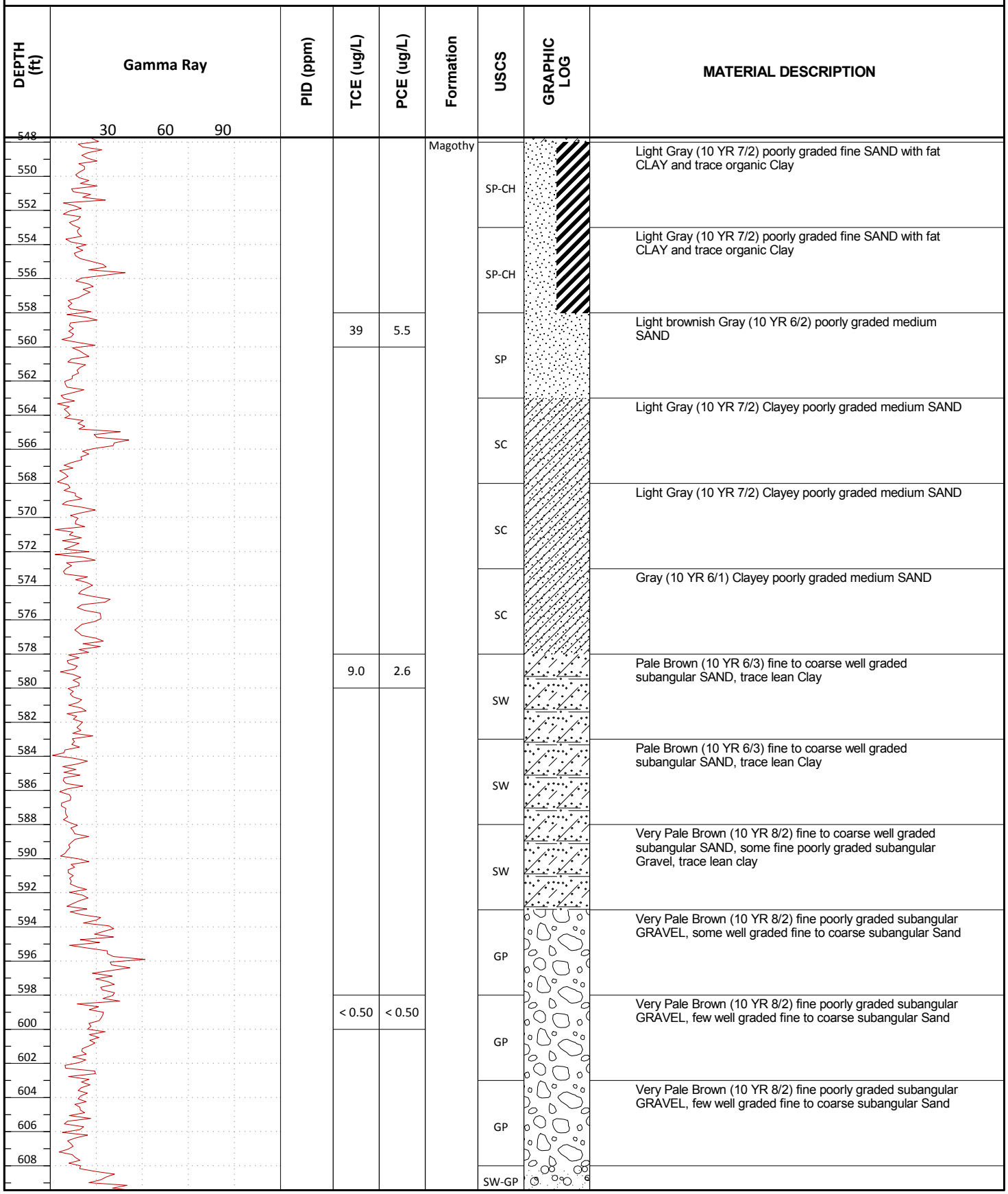
DEPTH (ft)	Gamma Ray (30 60 90)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
486					Magothy	SW		Gray (10 YR 6/1) well graded fine to coarse subangular SAND, few lean Clay *(continued)*
488								
490						SW		Gray (10 YR 6/1) well graded fine to coarse subangular SAND, trace lean Clay
492								
494						SW		Gray (10 YR 6/1) well graded fine to coarse subangular SAND, trace lean Clay
496								
498						SP		Light Gray (10 YR 7/2) poorly graded fine SAND
500			95	14				
502								
504						SW		Light Gray (10 YR 7/2) well graded fine to medium subangular SAND
506								
508						SW		Light Gray (10 YR 7/2) well graded fine to medium subangular SAND, trace lean Clay
510								
512						SW-SC		Light Gray (10 YR 7/2) poorly graded fine to medium subangluar SAND, little lean Clay
514								
516						SC		Light brownish Gray (10 YR 6/2) clayey well graded medium to coarse subangular SAND with trace subangular fine Gravel
518			35	7.6				
520						SW-SC		Light brownish Gray (10 YR 6/2) well graded medium to coarse subangular SAND with few Clay and trace subangular fine Gravel
522								
524						SC		Light brownish Gray (10 YR 6/2) Clayey poorly graded medium SAND
526								
528						SC		Light brownish Gray (10 YR 6/2) clayey well graded medium to coarse subangular SAND with trace subangular fine Gravel
530								
532						SC		Light brownish Gray (10 YR 6/2) clayey well graded medium to coarse SAND
534			16	2.0				
536						SW		Light brownish Gray (10 YR 6/2) well graded medium to coarse SAND with trace lean Clay and fine subangular Gravel
538								
540								
542								
544								
546								

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 10 of 15



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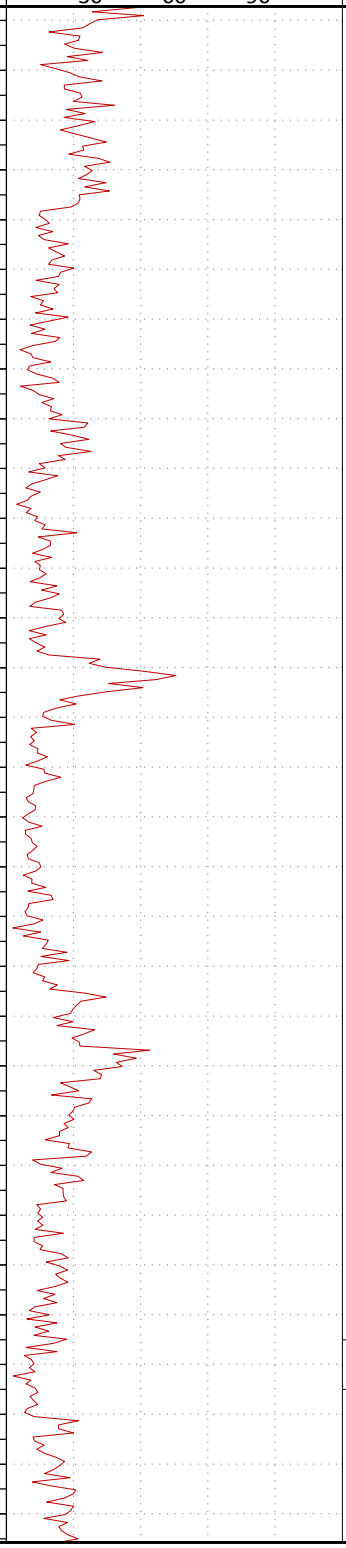
Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 11 of 15



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
610				Magothy	SW-GP		Very Pale Brown (10 YR 8/2) well graded fine to coarse angular SAND with poorly graded fine angular Gravel *(continued)*
612							
614					SM		Gray (10 YR 5/1) Silty well graded fine to coarse angular SAND
616							
618							
620		0.52	< 0.50		SW		Light Gray (10 YR 7/2) well graded fine to coarse angular SAND, few Sily, trace fine subangular gravel
622							
624					SW		Light Gray (10 YR 7/2) well graded fine to coarse angular SAND, few Sily, trace fine subangular gravel
626							
628					GP		Very Pale Brown (10 YR 8/2) poorly graded fine subangular GRAVEL, some well graded fine to coarse angular Sand
630							
632					GP		Very Pale Brown (10 YR 8/2) poorly graded fine subangular GRAVEL, some well graded fine to coarse angular Sand
634							
636					SW		Very Pale Brown (10 YR 7/3) well graded fine to coarse angular SAND, some poorly graded fine subrounded Gravel
638							
640		< 1.3	< 1.3		SW		Very Pale Brown (10 YR 7/3) well graded fine to coarse angular SAND, little poorly graded fine subrounded Gravel
642							
644					GW		Very Pale Brown (10 YR 7/3) well graded fine to coarse angular GRAVEL, some well graded fine to coarse subangular Sand
646							
648					CL		Gray (10 YR 6/1) well graded fine to coarse angular Gravely lean CLAY, few well graded fine to coarse angular sand
650							
652					GW		Very Pale Brown (10 YR 7/3) well graded fine to coarse angular GRAVEL, some well graded fine to coarse subangular Sand, trace lean clay
654							
656					SP		Gray (10 YR 6/1) poorly grade fine SAND, some fine to coarse subangular Gravel
658							
660		4.4	2.5		GW		Very Pale Brown (10 YR 7/3) well graded fine to coarse angular GRAVEL
662							
664	0						
666							
668							
670							

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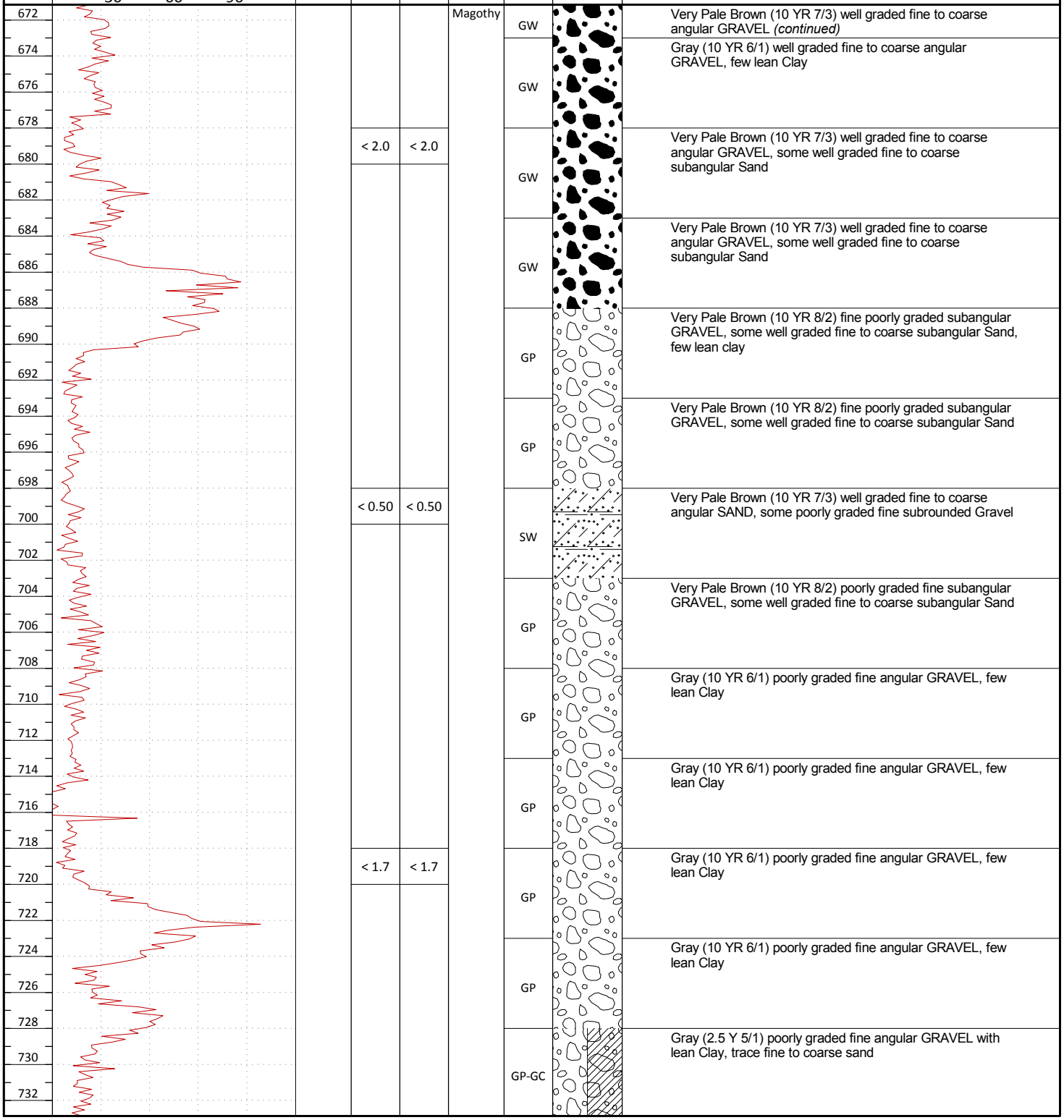
Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 12 of 15



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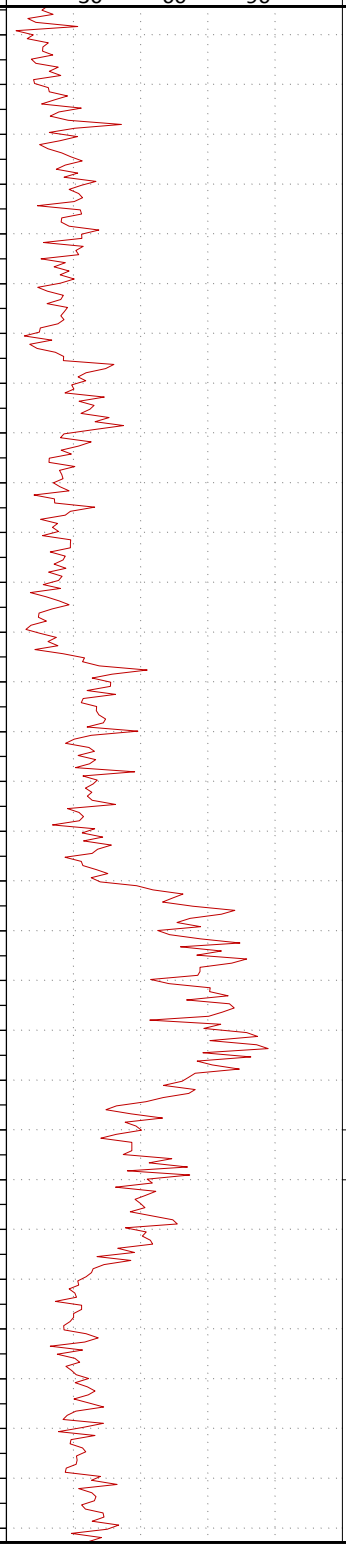
Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 13 of 15



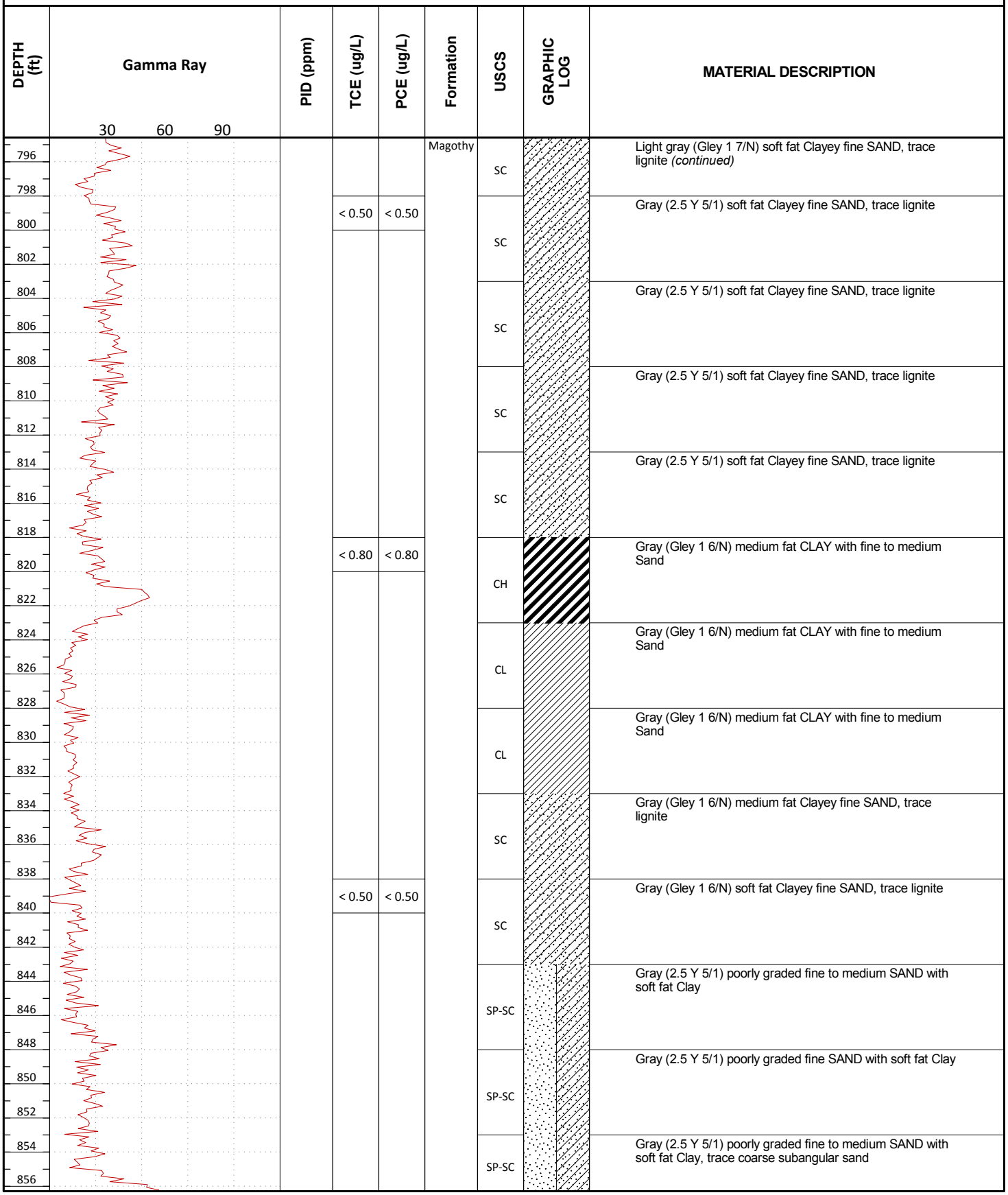
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
734				Magothy	GP-GC		Gray (2.5 Y 5/1) poorly graded fine angular GRAVEL with lean Clay and fine to coarse sand
736							
738							
740		< 0.50	< 0.50		CH		Gray (2.5 Y 5/1) fine to medium Sandy fat CLAY with fine subangular gravel
742							
744					CH		Gray (2.5 Y 5/1) fine to medium Sandy fat CLAY with fine subangular gravel
746							
748							
750					CH		Gray (2.5 Y 5/1) fine to medium Sandy fat CLAY with fine subangular gravel
752							
754					SP-SC		Light Gray (Gley 1 7/N) fine SAND with soft fat Clay
756							
758							
760		< 0.50	< 0.50		SP-SC		Light Gray (Gley 1 7/N) fine SAND with soft fat Clay
762							
764					SP-SC		Light Gray (Gley 1 7/N) fine SAND with soft fat Clay
766							
768							
770					CH		Gray (Gley 1 6/N) fine Sandy soft fat CLAY
772							
774					CH		Gray (Gley 1 6/N) stiff fat CLAY with fine Sand
776							
778							
780	0				CL		Gray (Gley 1 6/N) stiff lean CLAY with fine Sand, trace lignite
782					CL		Gray (Gley 1 6/N) stiff lean CLAY with fine Sand, trace lignite
784							
786					CL		Gray (Gley 1 6/N) stiff lean CLAY with fine Sand, trace lignite
788							
790		< 0.50	< 0.50		SC		Gray (Gley 1 6/N) soft fat Clayey fine SAND, trace lignite
792							
794					SC		

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 14 of 15

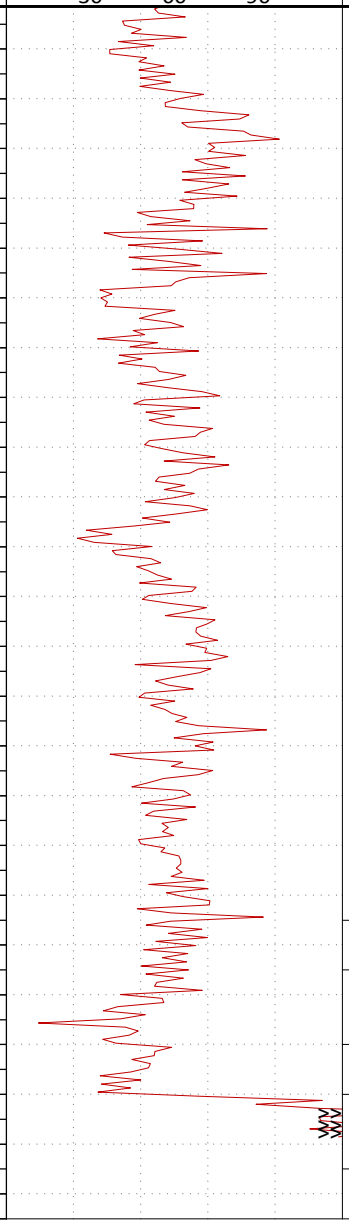


(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB165
Sheet 15 of 15



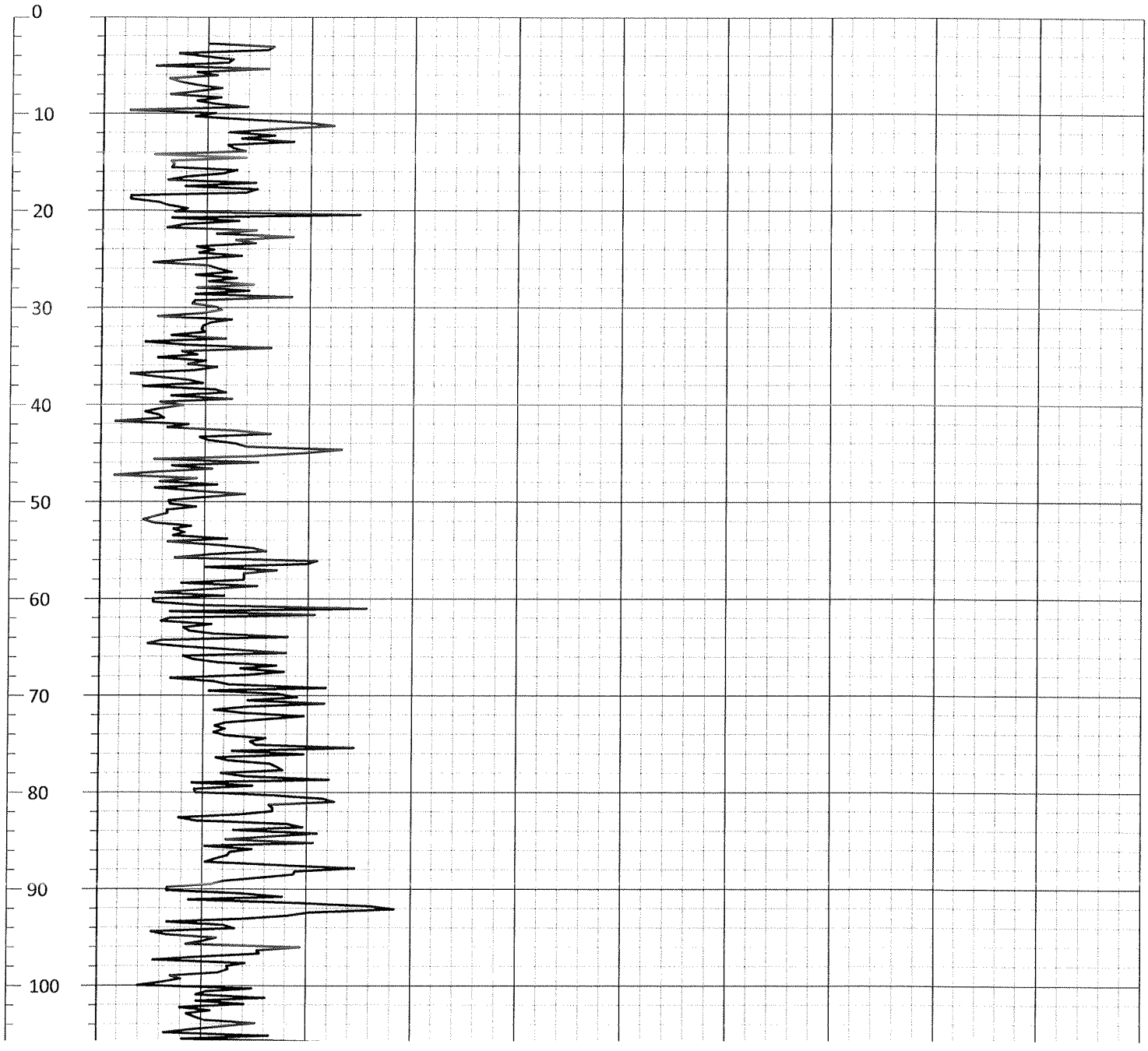
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
858				Magothy	SP-SC		
860		< 2.0	< 2.0		CH		Gray (Gley 1 6/N) fine to medium Sandy stiff fat CLAY
862							
864					CH		Gray (Gley 1 6/N) fine to medium Sandy stiff fat CLAY, trace lignite
866							
868							
870					CH		Gray (Gley 1 6/N) stiff fat CLAY with fine Sand, trace lignite
872							
874					CH		Gray (Gley 1 6/N) stiff fat CLAY with fine Sand, trace lignite
876							
878							
880					CH		Gray (Gley 1 6/N) stiff fat CLAY with fine Sand, trace lignite
882							
884					CH		Gray (Gley 1 6/N) stiff fat CLAY with fine Sand, trace lignite
886							
888							
890					CH		Gray (Gley 1 6/N) stiff fat CLAY with fine Sand, trace lignite
892							
894	0			Raritan	CH		Mottled red (2.5 YR 4/8) and Gray (10 YR 5/1) fat CLAY with lamination
896							
898							
900	0				CH		Mottled red (2.5 YR 4/8) and Gray (10 YR 5/1) fat CLAY with lamination
902							
904	0				CH		Gray (10 YR 5/1) fat CLAY with lamination

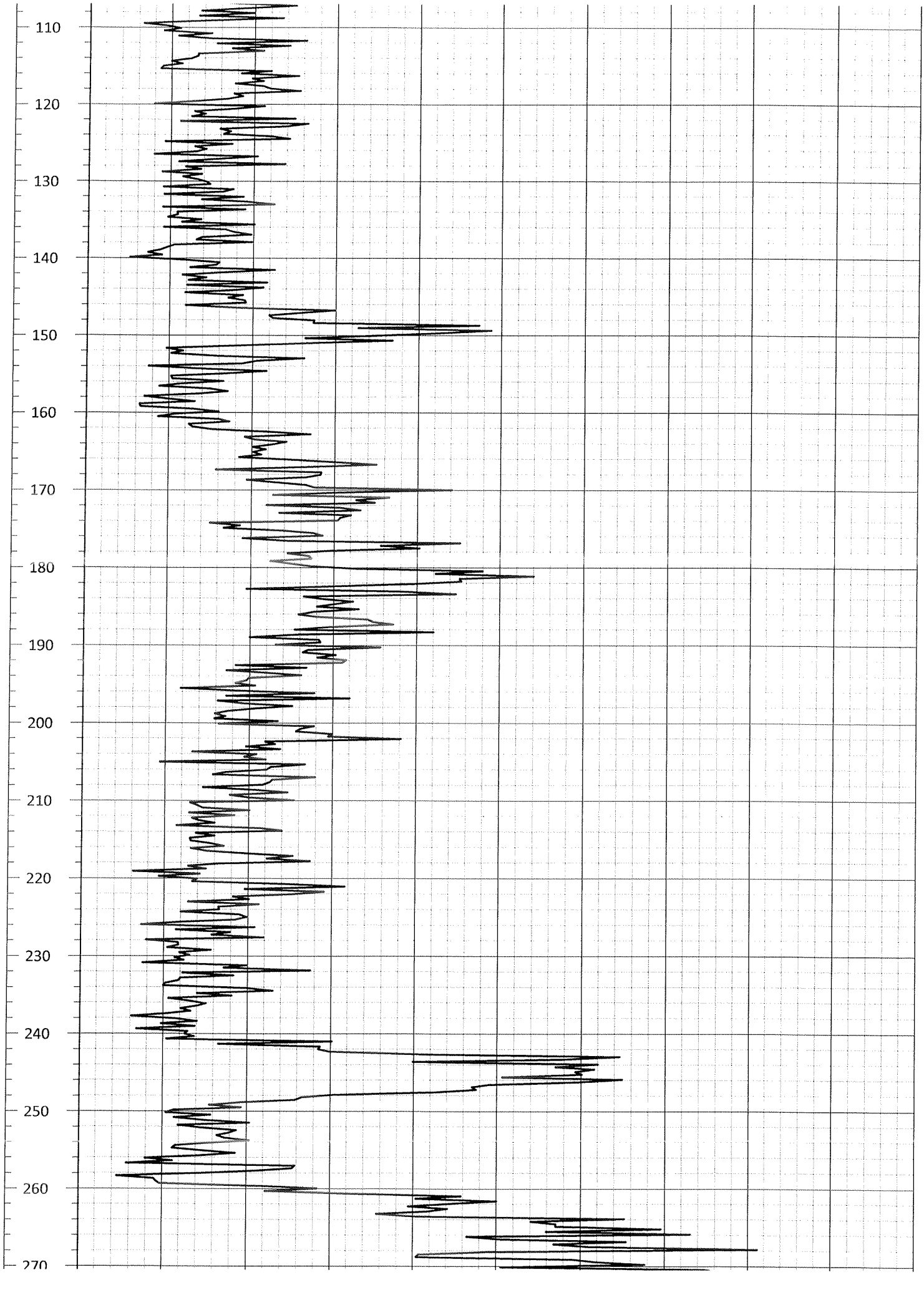
End of boring at 905.0 ft. bgs.

DOWN

COMPANY:	DELTA WELL & PUMP CO., INC.
LOCATION:	NWIRP ORIOLE RD
Well: VPB-165	Depth Driller:
	Depth Logger:
Date: 01/06/2016 Time:	Logged by: CMO
File Name: 739	Witness: VINCE

Depth (ft.) 0.0 GAMMA (cps) 100.0

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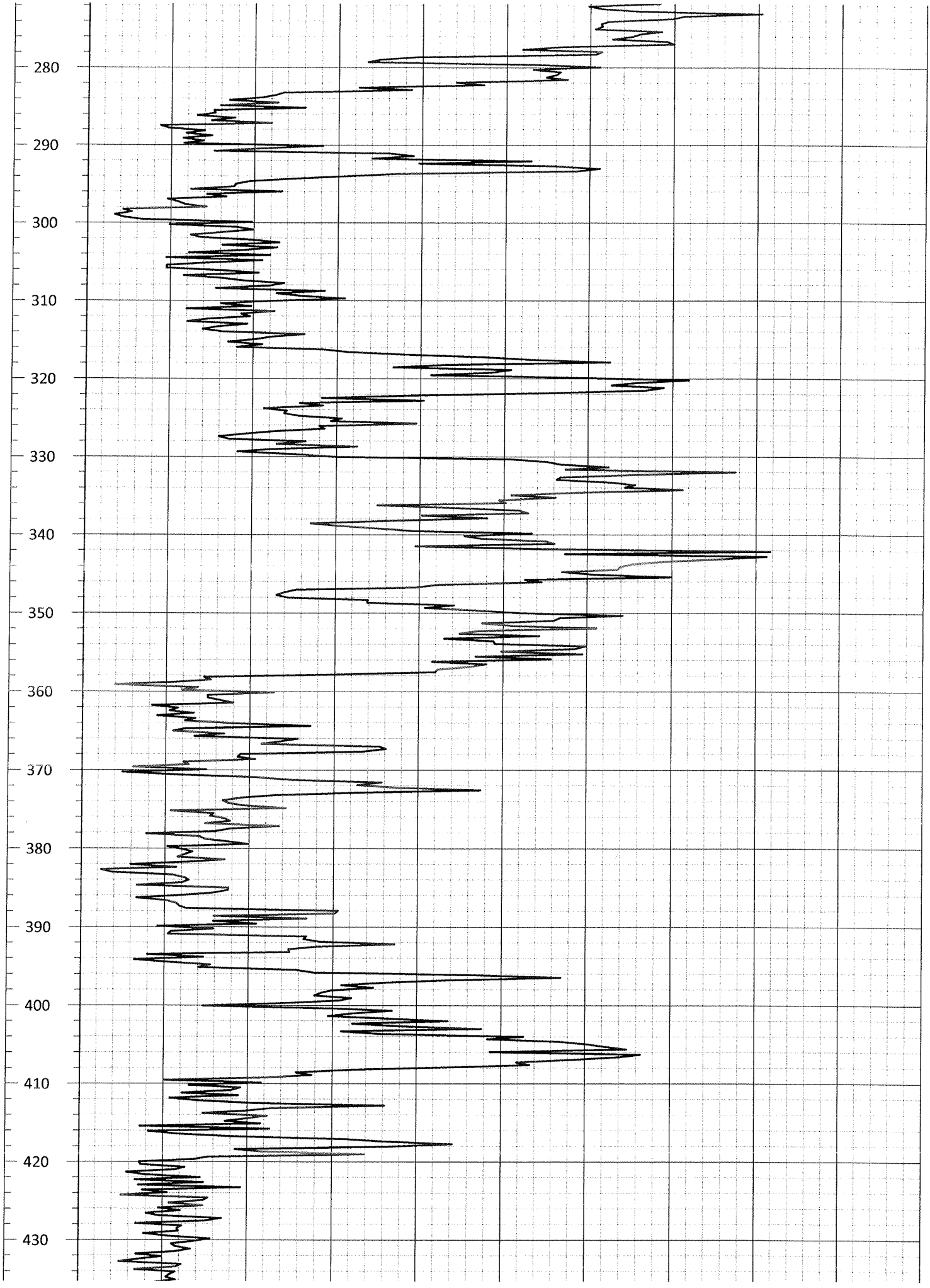
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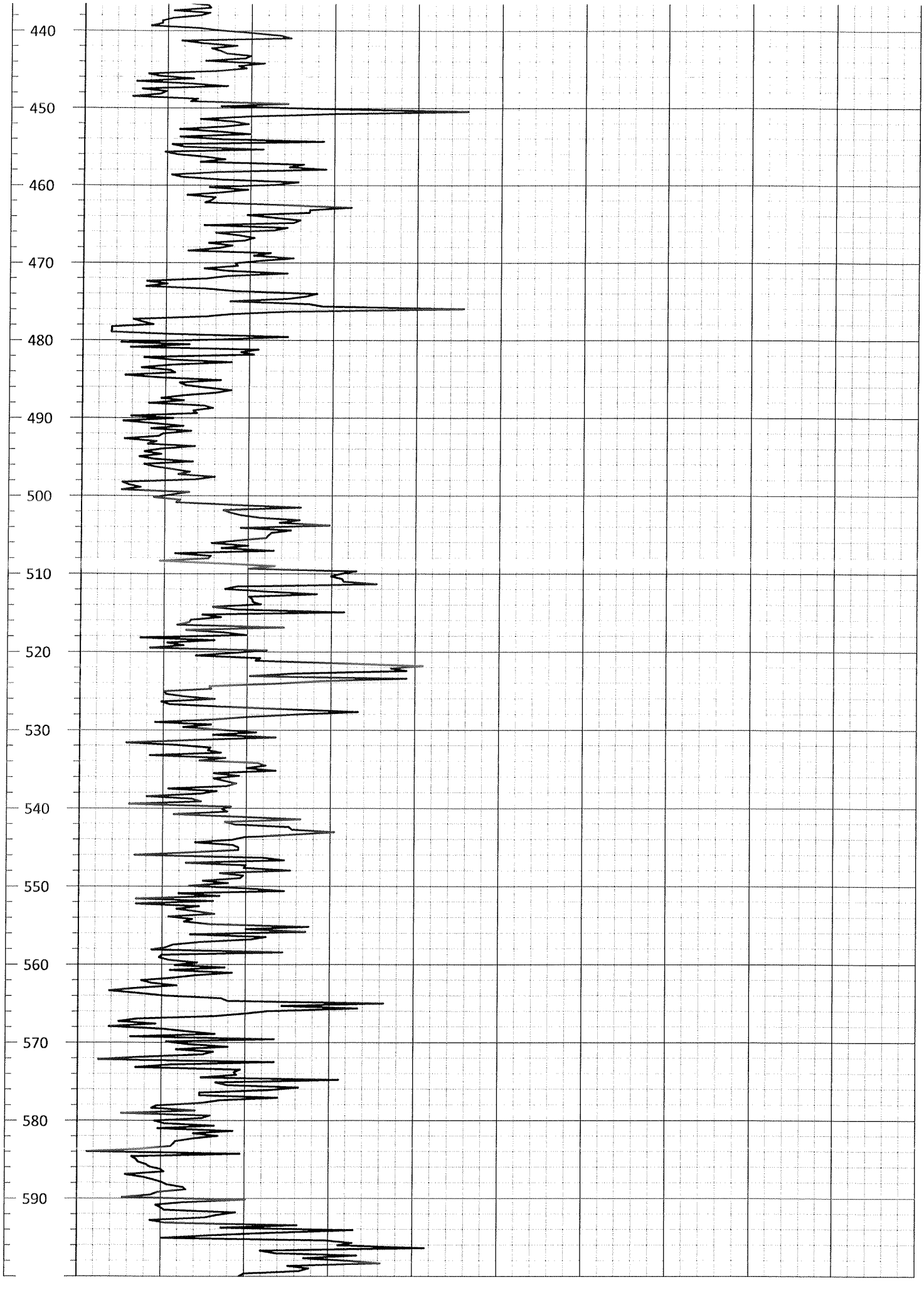
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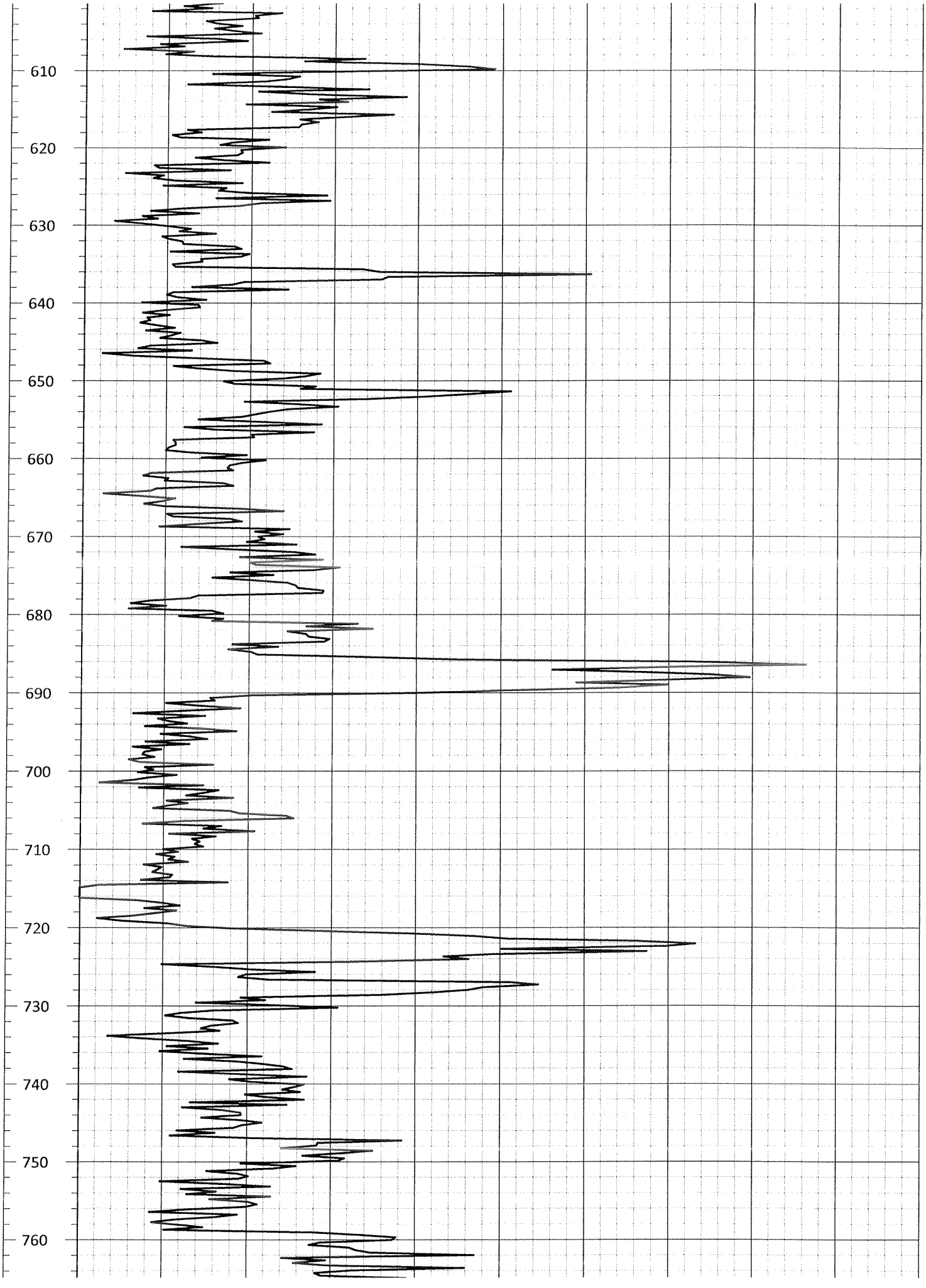
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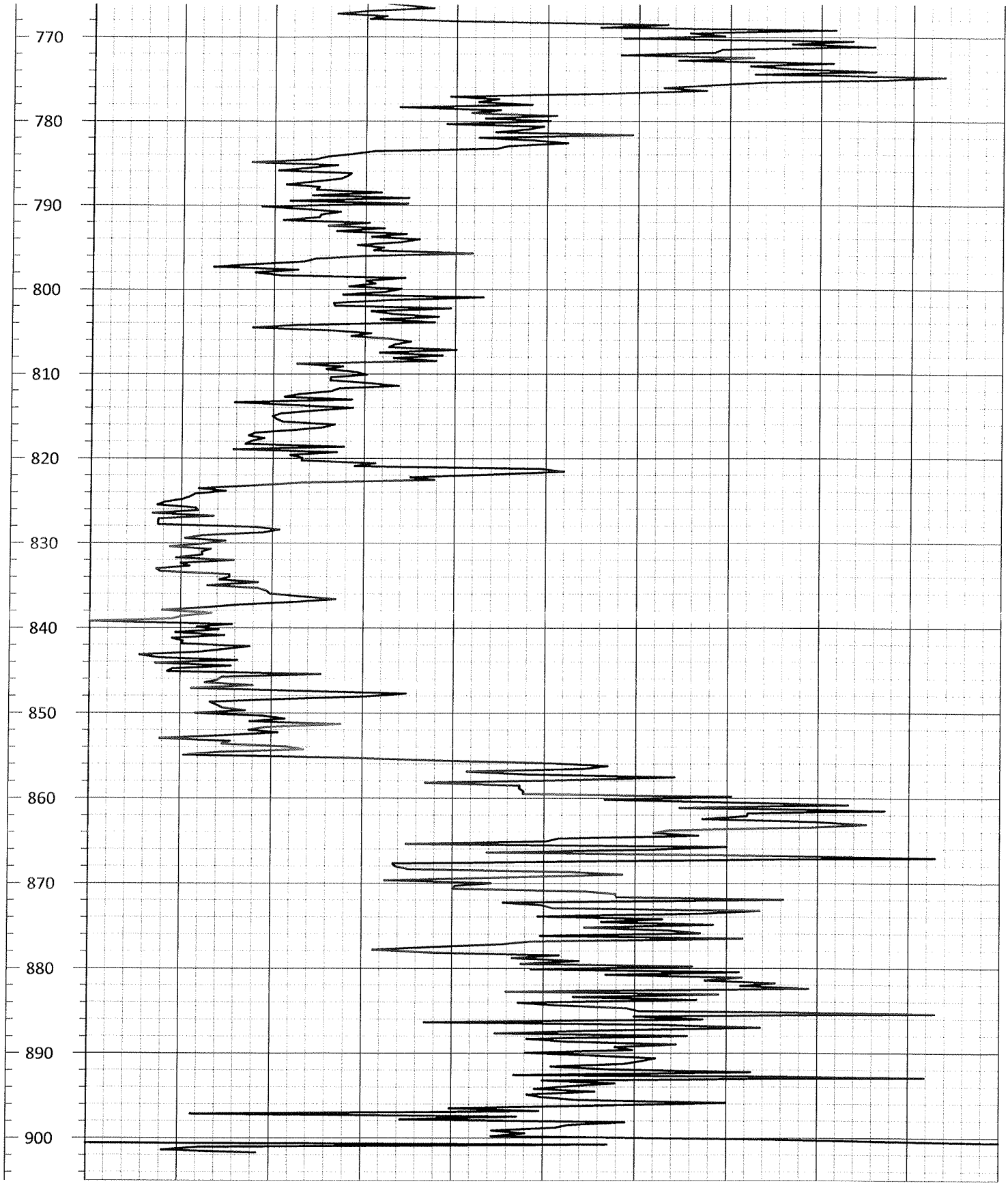
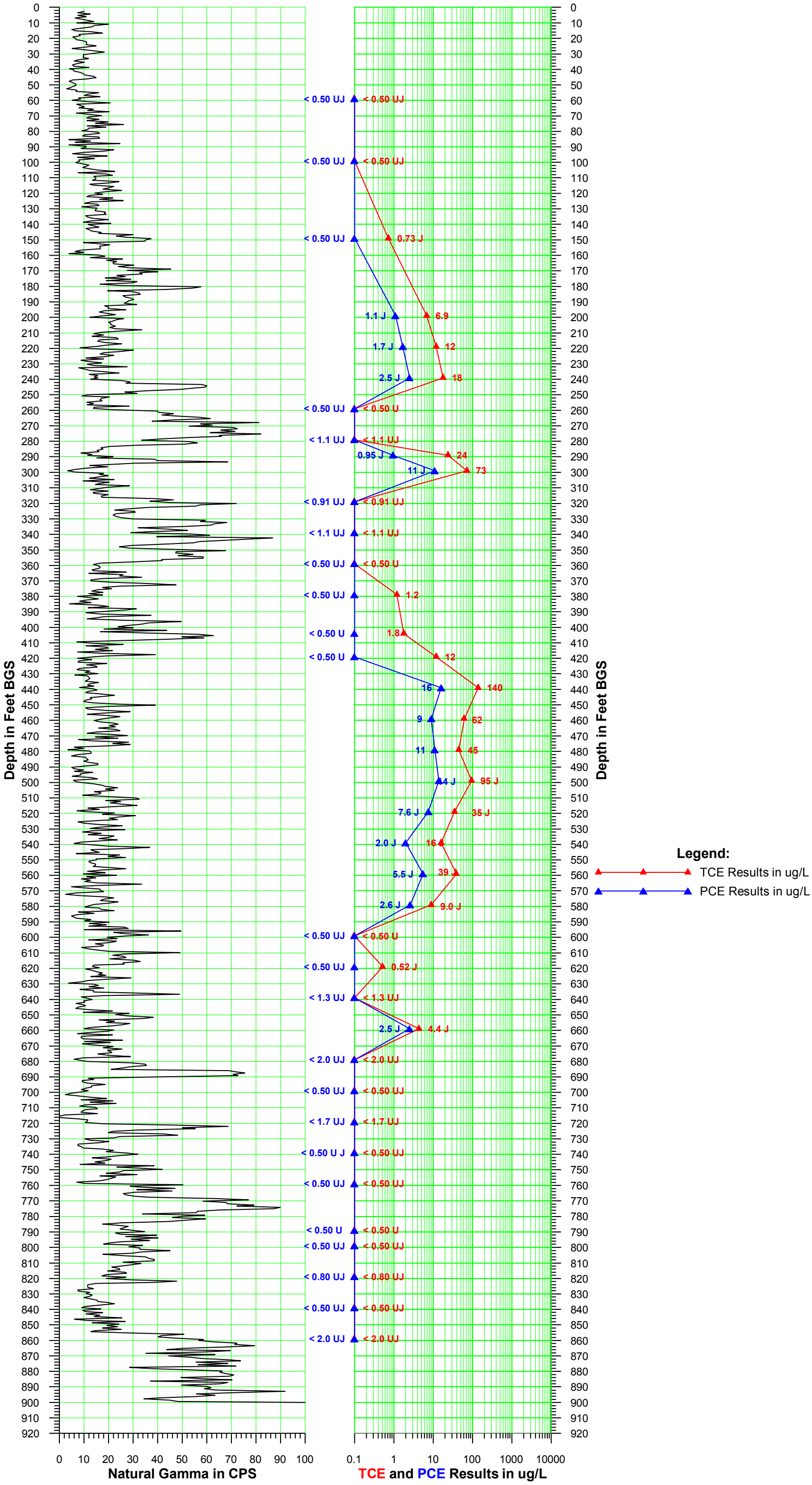


Depth (ft.)	0.0	GAMMA (cps)	100.0

Section 2

VPB165 Gamma and PCE/TCE Plot

Vertical Profile Boring VPB-165
Downward Run - January 6, 2016
Validated Analytical Data



Section 3

VPB165 Groundwater Sample Log Sheets

RESOLUTION CONSULTANTS

Hydropunch Sample

Client: NWIRP - Bethpage
Project No: 60266526
Site Location: VPB 165 - Oriole Rd
Weather Conds:

Date: 12/7/15 - 12/17/15
VPB: 165
Collector(s): VV

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
12/7/15	1050	14.2	7.25	469.5	1.18	-91.8	861.8	58	60	Brown
12/7/15	1310	16.9	7.19	346	4.52	34.2	867.3	98	100	Lt Brown
12/9/15	1015	12.6	7.65	331.4	8.49	107.5	380.3	148	150	Slightly Cloudy
12/9/15	1315	14.1	7.51	380.1	2.97	46.8	570.1	198	200	Brown
12/10/15	920	14.4	7.78	317.3	5.43	48.3	557.9	218	220	Lt. brown
12/10/15	1130	16.0	7.21	263.4	2.53	51.5	927.2	238	240	Lt brown
12/10/15	1415	16.3	7.12	222.7	2.26	121.6	288.1	258	260	Slightly Cloudy
12/11/15	928	13.9	7.05	606.0	2.45	77.8	>1100	278	280	Dark brown
12/11/15	1124	14.1	6.77	338.7	2.95	62.6	>1100	288	290	Brown
12/11/15	1307	16.5	6.31	243.6	4.19	44.3	>1100	298	300	Brown
12/11/15	1430	17.2	6.66	376.2	2.36	90.1	>1100	318	320	Dark brown
12/14/15	1030	15.2	7.37	529.7	5.13	22.3	>1100	338	340	Dark Brown
12/14/15	1255	15.7	7.36	198.2	3.93	28.9	1074	358	360	Light brown
12/14/15	1445	16.0	6.75	201.1	3.68	58.8	704	378	380	brown
12/15/15	1125	15.9	2.68	1140	4.22	383.5	687	403	405	Lt. brown
12/15/15	1320	NOT	ENOUGH	RECOVERY	FOR	Groundwater		418	420	Cloudy/white
12/16/15	1240	15.0	4.14	390.6	5.44	302.1	807.4	438	440	Brown
12/16/15	1430	14.8	3.62	198.1	3.38	102.8	852	458	460	White
12/17/15	950	14.1	6.05	216.8	2.89	212.4	1027	478	480	Lt brown
12/17/15	1130	14.7	3.32	618.7	3.24	338.5	>1100	498	500	Brown

RESOLUTION CONSULTANTS

Hydropunch Sample

Client: NWIRP - Bethpage
Project No: 60266526
Site Location: VPB 165
Weather Conds:

Date : 12/17 - 12/23/15
VPB: 165
Collector(s): MC 12-18-15

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
12-17-15	13:15	14.1	3.42	434.6	2.27	352	71100	518	520	Brown
12-18-15	10:00	13.1	5.85	201.1	2.62	56.8	84.3	538	540	Grey
"	11:45	11.8	6.67	140.2	2.56	256	13.5	558	560	Tan
"	13:45	11.9	5.82	450.7	0.87	-0.2	No Reading	578	580	Grey
12/21/15	10 15	12.0	4.88	459.0	3.79	306.0	>1,100	598	600	Lt. brown
12/21/15	12 15	12.7	6.21	332.5	2.36	218.6	>1,100	618	620	Grey/brown
12/21/15	14 10	13.3	5.30	632.8	3.38	296.1	>1,100	638	640	DK. brown
12/22/15	1010	14.0	5.45	184.7	2.84	180.2	>1,100	658	660	white/brown
12/22/15	1305	14.5	6.79	650	1.36	118.6	>1,100	678	680	DK. brown
12/23/15	945	13.9	6.45	284.2	1.30	125.6	>1,100	698	700	lt. brown
12/23/15	1155	14.3	6.74	608.6	1.25	63.4	>1,100	718	720	lt. brown

RESOLUTION CONSULTANTS

Hydropunch Sample

Client: NWIRP - Bethpage
Project No: 60266526
Site Location: UST 165
Weather Conds:

Date: 12/28 - 12/30/15
VPB: 165
Collector(s): MZ

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
* DUP 12-24-15	1100	12.3	6.04	304.9	0.31	37.4	>1,100	738	740	gray brown
#MS/MSD 12-24-15	1300	12.1	6.22	230.5	1.59	-42.6	>1,100	758	760	~~cloudy~~ light gray
12-29-15	1010	12.9	6.11	316.5	0.47	26.1	652.8	788	790	Cloudy
12-29-15	1215	12.5	6.18	284.1	0.78	-23.2	>1,100	798	800	gray brown
12-29-15	1430	12.1	6.67	247.4	1.28	-28.5	735.4	818	820	gray
12-30-15	1045	11.7	6.19	206.4	3.57	+12	274.6	838	840	cloudy
12-30-15	1245	———	Not	enough sample for	readings		———	858	860	gray

Section 4

VPB165 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:	SI9841, TI0215, TI0292, and TI0410	
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA SW-846 Method 8260C	
Validation Level:	3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 01/28/2016
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: SI8520_9841_0215_0292_0410_8260C

SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — NWIRP Bethpage Site on 17 to 23 December 2016 in accordance with the following Sampling and Analysis Plans:

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

Sample ID	Matrix/Sample Type	Analysis
VPB165-GW-120715-58-60	Groundwater	8260C
VPB165-GW-120715-98-100	Groundwater	8260C
VPB165-TB-120715	Trip Blank	8260C
VPB165-FB-121515	Field Blank	8260C
VPB165-GW-121515-403-405	Groundwater	8260C
VPB165-GW-121515-418-420	Groundwater	8260C
VPB165-GW-121615-438-440	Groundwater	8260C
VPB165-GW-121615-458-460	Groundwater	8260C
VPB165-GW-121715-478-480	Groundwater	8260C
VPB165-GW-121715-498-500	Groundwater	8260C
VPB165-GW-121715-518-520	Groundwater	8260C
VPB165-TB-121515	Trip Blank	8260C

Sample ID	Matrix/Sample Type	Analysis
VPB165-GW-121815-538-540	Groundwater	8260C
VPB165-GW-121815-558-560	Groundwater	8260C
VPB165-GW-121815-578-580	Groundwater	8260C
VPB165-GW-122115-598-600	Groundwater	8260C
VPB165-GW-122115-618-620	Groundwater	8260C
VPB165-GW-122115-638-640	Groundwater	8260C
VPB165-TB-121815	Trip Blank	8260C
VPB165-GW-122315-698-700	Groundwater	8260C
VPB165-GW-122315-718-720	Groundwater	8260C
VPB165-TB-122315	Trip Blank	8260C

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

REVIEW ELEMENTS

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

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

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

RESULTS

Data Completeness/Sample Integrity

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

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

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

- Samples SI9841-2, SI9841-3, TI0215-8, TI0215-9, TI0292-2, TI0292-3, TI0292-4, TI0292-6, and TI0410-2 contained mostly soil in all three vials. Each vial was decanted, compounded into one vial for each sample and analyzed.
- Samples TI0292-7 and TI0410-3 contained mostly soil in all three vials. Each sample vial was decanted, compounded into one vial for each sample and analyzed at a dilution of 1:2.67 and 1:3.3.

Positive and non-detected results for all decanted samples were qualified as estimated (J and UJ) respectively due to possible loss of sample integrity during the decanting process.

Initial Calibration/Continuing Calibration Verification

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

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

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

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

ICV Recovery Non-conformance:

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

Notes:
J = Estimated
UJ = Undetected and estimated

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

CCV Linearity Non-conformance:

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

Notes:
J = Estimated
UJ = Undetected and estimated

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

Qualifications Actions

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

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

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

ATTACHMENTS

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

Attachment A
Non-Conformance Summary Tables

Table A-1
Initial Calibration Verification Non-Conformance

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Qualifier
SI9841	8260C	Dichlorodifluoromethane	P3684.D	128.85	80-120	All samples in SDG	Detects: J Non-detects: UJ
SI9841	8260C	Chloromethane	P3684.D	120.41	80-120	All samples in SDG	Detects: J Non-detects: UJ
SI9841	8260C	Chloroethane	P3684.D	123.63	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0215	8260C	Dichlorodifluoromethane	T5935.D	162.37	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0215	8260C	Chloromethane	T5935.D	121.19	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0215	8260C	Vinyl chloride	T5935.D	133.85	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0215	8260C	Trichlorofluoromethane	T5935.D	135.28	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0292	8260C	Tetrachloroethene	P3840.D	150.8	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0410	8260C	Acetone	P4114A.D	72.62	80-120	All samples in SDG	Detects: J Non-detects: UJ

Notes:

SDG = Sample delivery group
ICV = Initial calibration verification
%R = Percent recovery
J = Detected estimated value
UJ = Non-detect estimated value

Table A-2
Continuing Calibration Verification Non-Conformance

SDG	Lab ID / Calibration ID	Analyte	%D	%D Limit	Associated Samples	Qualifier
SI9841	WG175761-4 / GCMS-P	Tetrachloroethene	-23.92199	+/-20	All samples in SDG	Detects: J Non-detects: UJ
SI9841	WG175761-4 / GCMS-P	1,2-Dibromo-3-Chloropropane	-24.63967	+/-20	All samples in SDG	Detects: J Non-detects: UJ
TI0215	WG176463-4 / GCMS-T	Dichlorodifluoromethane	29.29626	+/-20	All samples in SDG	Detects: J Non-detects: UJ
TI0215	WG176463-4 / GCMS-T	Trichlorofluoromethane	20.32873	+/-20	All samples in SDG	Detects: J Non-detects: UJ
TI0292	WG176617-4 / GCMS-P	Chloroethane	21.44437	+/-20	All samples in SDG	Detects: J Non-detects: UJ
TI0292	WG176617-4 / GCMS-P	4-Methyl-2-pentanone	21.73965	+/-20	All samples in SDG	Detects: J Non-detects: UJ
TI0292	WG176617-4 / GCMS-P	Tetrachloroethene	-21.36358	+/-20	All samples in SDG	Detects: J Non-detects: UJ
TI0410	WG176832-4 / GCMS-P	Acetone	-34.27373	+/-20	All samples in SDG	Detects: J Non-detects: UJ

Notes:
SDG = Sample delivery group
%D = Percent difference
UJ = Non-detect estimated value
J = Detected estimated value

Attachment B
Qualifier Codes and Explanations

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

Attachment C
Reason Codes and Explanations

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

Attachment D
Final Results after Data Review

		Sample Delivery Group		SI9841		
		Lab ID		SI9841-1		
		Sample ID		VPB165-TB-120715		
		Sample Date		12/7/2015		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	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	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		SI9841		
		Lab ID		SI9841-2		
		Sample ID		VPB165-GW-120715-58-60		
		Sample Date		12/7/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	5.4	J	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.53	J	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1.4	J	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.8	J	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	2.1	J	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	2.2	J	mc

		Sample Delivery Group		SI9841		
		Lab ID		SI9841-3		
		Sample ID		VPB165-GW-120715-98-100		
		Sample Date		12/7/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.8	J	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	10	J	mc
8260C	BENZENE	71-43-2	UG_L	0.64	J	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.86	J	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2.7	J	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.4	J	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	4.4	J	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	4.1	J	mc

Notes:

UG_L = Micrograms per liter

Qual = Final qualifiers (See Attachment B)

RC = Reason codes (See Attachment C)

		Sample Delivery Group		TI0215		
		Lab ID		TI0215-1		
		Sample ID		VPB165-TB-121515		
		Sample Date		12/15/2015		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0215		
		Lab ID		TI0215-2		
		Sample ID		VPB165-FB-121515		
		Sample Date		12/15/2015		
		Sample Type		Field Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	0.17	J	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.9		
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0215		
		Lab ID		TI0215-3		
		Sample ID		VPB165-GW-121515-403-405		
		Sample Date		12/15/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.3		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.59	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	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	14		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.8		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0215		
		Lab ID		TI0215-4		
		Sample ID		VPB165-GW-121515-418-420		
		Sample Date		12/15/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.36	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	5.7		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.4		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.76	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.2	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	4.2	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	12		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.2		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.38	J	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.53	J	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	12		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0215		
		Lab ID		TI0215-5		
		Sample ID		VPB165-GW-121615-438-440		
		Sample Date		12/16/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L			
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	16		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.62	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.66	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.8		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	3.4	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	2.7		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.8		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	16		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	140		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0215		
		Lab ID		TI0215-6		
		Sample ID		VPB165-GW-121615-458-460		
		Sample Date		12/16/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L			
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	19		
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	0.98	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.2		
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	5.8		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.2		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.26	J	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	9		
8260C	TOLUENE	108-88-3	UG_L	0.38	J	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	62		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0215		
		Lab ID		TI0215-7		
		Sample ID		VPB165-GW-121715-478-480		
		Sample Date		12/17/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	13		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	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	2.8		
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	5		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.8		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	11		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	45		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0215		
		Lab ID		TI0215-8		
		Sample ID		VPB165-GW-121715-498-500		
		Sample Date		12/17/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	7.6	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.61	J	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.9	J	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	4.1	J	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1.1	J	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.9	J	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	14	J	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	95	J	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc,c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc,c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0215		
		Lab ID		TI0215-9		
		Sample ID		VPB165-GW-121715-518-520		
		Sample Date		12/17/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L			
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	14	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.42	J	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.8	J	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	3.4	J	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.64	J	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.8	J	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.39	J	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	7.6	J	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	35	J	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc,c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc,c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

Notes:

UG_L = Micrograms per liter

Qual = Final qualifiers (See Attachment B)

RC = Reason codes (See Attachment C)

		Sample Delivery Group		TI0292		
		Lab ID		TI0292-1		
		Sample ID		VPB165-TB-121815		
		Sample Date		12/18/2015		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	c
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0292		
		Lab ID		TI0292-2		
		Sample ID		VPB165-GW-121815-538-540		
		Sample Date		12/18/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	25	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.64	J	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.4	J	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	6	J	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.4	J	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2	J	mc,c
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	16	J	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0292		
		Lab ID		TI0292-3		
		Sample ID		VPB165-GW-121815-558-560		
		Sample Date		12/18/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	79	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.1	J	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.9	J	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	5.9	J	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	0.71	J	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.9	J	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	5.5	J	mc,c
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	39	J	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0292		
		Lab ID		TI0292-4		
		Sample ID		VPB165-GW-121815-578-580		
		Sample Date		12/18/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	170	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.52	J	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.87	J	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	4.9	J	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.87	J	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.6	J	mc,c
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	9	J	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0292		
		Lab ID		TI0292-5		
		Sample ID		VPB165-GW-122115-598-600		
		Sample Date		12/21/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	c
8260C	ACETONE	67-64-1	UG_L	4.8	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.34	J	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0292		
		Lab ID		TI0292-6		
		Sample ID		VPB165-GW-122115-618-620		
		Sample Date		12/21/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	17	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.4	J	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	5.7	J	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.52	J	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0292		
		Lab ID		TI0292-7DL		
		Sample ID		VPB165-GW-122115-638-640		
		Sample Date		12/21/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.3	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.3	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.3	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.3	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.3	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.3	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.3	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	2	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.3	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.3	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.3	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.7	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.3	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.3	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.3	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	6.7	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	6.7	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	6.7	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	6.7	UJ	mc
8260C	BENZENE	71-43-2	UG_L	1.3	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.3	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.3	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2.7	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.3	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.3	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.3	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2.7	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	1.3	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2.7	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.3	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.3	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.3	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.3	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2.7	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	1.3	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.3	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2.7	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	2	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.3	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.3	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	6.7	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.3	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.3	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.3	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1.3	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.3	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.3	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.3	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2.7	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2.7	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	4	UJ	mc

Notes:

UG_L = Micrograms per liter

Qual = Final qualifiers (See Attachment B)

RC = Reason codes (See Attachment C)

		Sample Delivery Group		TI0410		
		Lab ID		TI0410-1		
		Sample ID		VPB165-TB-122315		
		Sample Date		12/23/2015		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0410		
		Lab ID		TI0410-2		
		Sample ID		VPB165-GW-122315-698-700		
		Sample Date		12/23/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	3.2	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0410		
		Lab ID		TI0410-3DL		
		Sample ID		VPB165-GW-122315-718-720		
		Sample Date		12/23/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.7	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.7	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.7	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.7	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.7	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.7	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.7	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	2.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.7	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.7	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.7	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.3	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.7	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.7	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.7	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	8.3	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	8.3	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	8.3	UJ	mc
8260C	ACETONE	67-64-1	UG_L	8.3	UJ	mc,c
8260C	BENZENE	71-43-2	UG_L	1.7	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.7	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.7	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	3.3	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.7	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.7	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.7	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	3.3	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1.7	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	3.3	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.7	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.7	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.7	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.7	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	3.3	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	1.7	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.7	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	3.3	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	2.5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.7	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.7	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	8.3	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.7	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.7	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.7	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	1.7	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.7	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.7	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.7	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	3.3	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	3.3	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	5	UJ	mc

Notes:

UG_L = Micrograms per liter

Qual = Final qualifiers (See Attachment B)

RC = Reason codes (See Attachment C)

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	SI9982, TI0091, TI0384, and TI0460	
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA SW-846 Method 8260C Total Organic Carbon (TOC) by U.S. EPA SW-846 Method 9060A	
Validation Level:	3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 02/01/2016
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: SI9982_TI0091_TI0384_TI0460_8260C_9060A

SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — NWIRP Bethpage Site on 9 to 30 December 2015 in accordance with the following Sampling and Analysis Plans:

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

Sample ID	Matrix/Sample Type	Analysis
VPB165-GW-120915-148-150	Groundwater	8260C
VPB165-GW-120915-198-200	Groundwater	8260C
VPB165-GW-121015-218-220	Groundwater	8260C
VPB165-GW-121015-238-240	Groundwater	8260C
VPB165-GW-121015-258-260	Groundwater	8260C
VPB165-TB-120915	Trip Blank	8260C
VPB165-GW-121115-278-280	Groundwater	8260C
VPB165-GW-121115-288-290	Groundwater	8260C
VPB165-GW-121115-298-300	Groundwater	8260C
VPB165-GW-121115-318-320	Groundwater	8260C

Sample ID	Matrix/Sample Type	Analysis
VPB165-GW-121415-338-340	Groundwater	8260C
VPB165-GW-121415-358-360	Groundwater	8260C
VPB165-GW-121415-378-380	Groundwater	8260C
VPB165-GWD-121415	Field Duplicate	8260C
VPB165-TB-121115	Trip Blank	8260C
VPB165-EB-122215	Equipment Blank	8260C/5310B
VPB165-GW-122215-658-660	Groundwater	8260C
VPB165-GW-122215-678-680	Groundwater	8260C
VPB165-TB-122215	Trip Blank	8260C
VPB165-EB-122815	Equipment Blank	8260C/5310B
VPB165-GW-122815-738-740	Groundwater	8260C
VPB165-GW-122815-758-760	Groundwater	8260C
VPB165-GW-122915-788-790	Groundwater	8260C
VPB165-GW-122915-798-800	Groundwater	8260C
VPB165-GW-122915-818-820	Groundwater	8260C
VPB165-GW-123015-838-840	Groundwater	8260C
VPB165-GW-123015-858-860	Groundwater	8260C
VPB165-GWD-122815	Field Duplicate	8260C
VPB165-TB-123015	Trip Blank	8260C
VPB165-SOIL-120915-178-180	Soil	9060A
VPB165-SOIL-D-120915	Field Duplicate	9060A

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), *SW-846 Method 9060A, Total Organic Carbon* (U.S. EPA, 1996), *U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (NFG, June 2008), *U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review* (NFG, January 2010, and Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 4.2 (October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements and/or professional judgment were used as appropriate.

REVIEW ELEMENTS

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

✗ Data completeness (chain-of-custody)/sample integrity

✓	Holding times and sample preservation
✓	Gas chromatography/Mass spectrometer performance checks
✗	Initial calibration verification (ICV)/continuing calibration verification (CCV)
✗	Laboratory blanks/field blanks/equipment blanks/trip blanks
✓	Surrogate spike recoveries
✗	Matrix spike and/or matrix spike duplicate results
✓	Laboratory control sample/laboratory control sample duplicate results
✗	Field duplicates
✓	Internal standards
✓	Sample results/reporting issues

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

RESULTS

Data Completeness/Sample Integrity

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

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

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

- Samples TI0091-2, TI0091-5, TI0091-6, TI0384-2, TI0460-1, TI0460-2, TI0460-3, TI0460-7, and TI0460-8 contained mostly soil in all three vials. Each vial was decanted, compounded into one vial for each sample, and analyzed.

- Samples TI0384-3, TI0460-6, and TI0460-9 contained mostly soil in all three vials. Each sample vial was decanted, compounded into one vial for each sample and analyzed at a dilution of 1:4, 1:1.6, and 1:4.

Positive and non-detected results for all decanted samples were qualified as estimated (J and UJ) respectively due to possible loss of sample integrity during the decanting process.

Initial Calibration/Continuing Calibration Verification

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

- The initial calibration percent relative standard deviation, correlation coefficient/coefficient of determination, and/or response factor method acceptance criteria were met
- The ICV standard percent recovery acceptance criteria were met
- The CCV method percent difference or percent drift and response factor acceptance criteria were met
- The retention time method acceptance criteria were met

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

ICV Recovery Non-conformance:

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

Notes:
J = Estimated
UJ = Undetected and estimated

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

CCV Linearity Non-conformance:

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

Notes:

J	=	Estimated
UJ	=	Undetected and estimated

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

Laboratory Blanks/ Equipment Blanks/ Trip Blanks

Laboratory blanks, equipment 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. Laboratory blank non-conformances are summarized in Attachment A in Table A-3.

Blank Non-conformance Chart:

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

Notes:

LOQ	=	Limit of quantitation
U	=	Undetected
R	=	Rejected

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

MS/MSDs are generated to provide information about the effect of each sample matrix on the sample preparation and the measurement methodology. MS/MSD percent recoveries (%Rs) assess the effect of the sample matrix on the accuracy of the analytical results and %Rs above the laboratory control limit could indicate a potential high result bias while %Rs below QC limits could indicate a potential low result bias. The relative percent differences (RPDs) between the MS and MSD results are evaluated to

assess sample precision. The MS/MSD %Rs and RPDs were reviewed for conformance with the QC acceptance criteria. Data qualification to the analytes associated with the specific MS/MSD non-conformances were as follows:

MS/MSD Non-conformances Chart:

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

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

MS/MSD non-conformances are summarized in Attachment A in Table A-4.

Field Duplicate

Three field duplicate pairs were collected to assess precision: VPB165-SOIL-120915-178-180/VPB165-SOIL-D-120915, VPB165-GW-121415-378-380/VPB165-GWD-121415, and VPB165-GW-122815-738-740/VPB165-GWD-122815. Field duplicate RPDs were reviewed for conformance with the Resolution Consultants QC criteria of ≤30% for aqueous matrices and ≤50% for solid matrices. These criteria apply if both results were greater than two times the limit of quantitation (LOQ). Data qualification to the analytes associated with the specific field duplicate RPDs was as follows:

Field Duplicate Non-conformances Chart:

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

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

Field duplicate non-conformances for soil are summarized in Attachment A in Table A-5.

Qualifications Actions

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

No results were rejected; therefore, analytical completeness was calculated to be 100 percent. Data not qualified during data review are considered usable by the project. The remaining results qualified as estimated may be high or low, but the data are usable for their intended purpose, according to U.S. EPA and Department of Defense guidelines. Final data review qualifiers used to describe results and how they should be interpreted by the end data user are provided in Attachment B and Attachment C. Attachment D provides final results after data review.

ATTACHMENTS

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

Attachment A
Non-Conformance Summary Tables

Table A-1
Initial Calibration Verification Non-Conformance

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Qualifier
SI9982, TI0091	8260C	Tetrachloroethene	P3840.D	150.8	80-120	All samples in SDG	Detects: J Non-detects: UJ
TI0384 TI0460	8260C	Acetone	P4114A.D	72.62	80-120	All samples in SDG	Detects: J Non-detects: UJ

Notes:

SDG = Sample delivery group
ICV = Initial calibration verification
%R = Percent recovery
J = Detected estimated value
UJ = Non-detect estimated value

Table A-2
Continuing Calibration Verification Non-Conformance

SDG	Lab ID /Calibration ID	Analyte	%D	%D Limit	Associated Samples	Qualifier
TI0091	WG176285-4 / P3940.D	Bromomethane	23.79988	TI0091	All samples in SDG	Detects: J Non-detects: UJ
TI0384	WG176780-4 / P4123.D	Acetone	-32.1413	TI0384	All samples in SDG	Detects: J Non-detects: UJ
TI0460	WG176893-4 / P4187.D	Chloromethane	-21.66642	TI0460	All samples in SDG	Detects: J Non-detects: UJ
TI0460	WG176893-4 / P4187.D	Methylene Chloride	-20.4057	TI0460	All samples in SDG	Detects: J Non-detects: UJ

Notes:

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

Table A-3
Laboratory Blank Non-Conformance

SDG	Method	Blank	Analyte	Blank result (MG_L)	LOQ	Detected Associated Sample	Qualifier
TI0384	5310B	WG176952-1-TI0384	Total Organic Carbon	0.41	1.0	VPB165-EB-122215	U

Notes:

SDG = Sample delivery group
MG_L = Milligram per liter
LOQ = Limit of quantitation
U = Non-detect value

Table A-4
Matrix Spike / Matrix Spike Duplicate Non-Conformance

Spiked Sample	Analyte	Sample Result	Units	Spike Added	MS %R	MSD %R	%R Limits	Qualifier
VPB165-SOIL-120915-178-180	Total Organic Carbon	49000	UG_G	50.0	**139***	125	75-125	J
VPB165-GW-122815-758-760	1,2-Dichloroethene, total	<1.0	UG_L	50.0	**81.4***	87.5	84-121	J

Notes:

MS = Matrix spike
MSD = Matrix spike duplicate
%R = Percent recovery
UG_G = Micrograms per gram
UG_L = Micrograms per liter
Bold* = Percent recovery less than lower control limit
J = Detected analyte in associated sample qualified estimated "J".

Table A-5
Field Duplicate

Sample ID	Duplicate ID	Analyte	Sample Result (UG_L)	Duplicate Result (UG_L)	RPD	Qualifiers
VPB165-GW-121415-378-380	VPB165-GWD-121415	1,2-Dichloroethene, total	0.6	0.31	63.7	J - both results
VPB165-GW-121415-378-380	VPB165-GWD-121415	cis-1,2-Dichloroethene	0.6	0.31	63.7	J - both results

Notes:

RPD = Relative percent difference
UG_L = Micrograms per liter
J = Estimated value

Attachment B
Qualifier Codes and Explanations

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

Attachment C
Reason Codes and Explanations

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

Attachment D
Final Results after Data Review

		Sample Delivery Group		SI9982		
		Lab ID		SI9982-1		
		Sample ID		VPB165-TB-120915		
		Sample Date		12/9/2015		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		SI9982		
		Lab ID		SI9982-2		
		Sample ID		VPB165-GW-120915-148-150		
		Sample Date		12/9/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	6.2		
8260C	BENZENE	71-43-2	UG_L	0.31	J	
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	0.62	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.56	J	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1.4	J	
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	0.6	J	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	2.6		
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	0.73	J	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	2	J	

		Sample Delivery Group		SI9982		
		Lab ID		SI9982-3		
		Sample ID		VPB165-SOIL-120915-178-180		
		Sample Date		12/9/2015		
		Sample Type		Soil		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
2540G	TOTAL SOLIDS	-29	PCT	71		
9060A	TOTAL ORGANIC CARBON	-28	UG_G	49000	J	m

		Sample Delivery Group		SI9982		
		Lab ID		SI9982-4		
		Sample ID		VPB165-SOIL-D-120915		
		Sample Date		12/9/2015		
		Sample Type		Field Duplicate		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
2540G	TOTAL SOLIDS	-29	PCT	72		
9060A	TOTAL ORGANIC CARBON	-28	UG_G	35000		

		Sample Delivery Group		SI9982		
		Lab ID		SI9982-5		
		Sample ID		VPB165-GW-120915-198-200		
		Sample Date		12/9/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.2		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.72	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	7.6		
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	0.98	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.25	J	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	0.78	J	
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	0.37	J	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.1	J	c
8260C	TOLUENE	108-88-3	UG_L	1.3		
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	6.9		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.2	J	

		Sample Delivery Group		SI9982		
		Lab ID		SI9982-6		
		Sample ID		VPB165-GW-121015-218-220		
		Sample Date		12/10/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.4		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.77	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.28	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	4.3	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	4.2		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.28	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.37	J	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	0.9	J	
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	0.34	J	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.7	J	c
8260C	TOLUENE	108-88-3	UG_L	1.8		
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	12		
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	1.2	J	

		Sample Delivery Group		SI9982		
		Lab ID		SI9982-7		
		Sample ID		VPB165-GW-121015-238-240		
		Sample Date		12/10/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.4		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.43	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.27	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	3.2	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	1.2		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.27	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.29	J	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	0.73	J	
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	0.44	J	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.5	J	c
8260C	TOLUENE	108-88-3	UG_L	1.3		
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	18		
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	1.2	J	

		Sample Delivery Group		SI9982		
		Lab ID		SI9982-8		
		Sample ID		VPB165-GW-121015-258-260		
		Sample Date		12/10/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	3.4		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	2.1		
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	0.34	J	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1.2	J	
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	0.46	J	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	1.8		
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	1.6	J	

Notes:

UG_L	=	Micrograms per liter
UG_G	=	Micrograms per gram
PCT	=	Percent
NA	=	Not analyzed
Qual	=	Final qualifiers (See Attachment B)
RC	=	Reason codes (See Attachment C)

		Sample Delivery Group		TI0091		
		Lab ID		TI0091-1		
		Sample ID		VPB165-TB-121115		
		Sample Date		12/11/2015		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0091		
		Lab ID		TI0091-2DL		
		Sample ID		VPB165-GW-121115-278-280		
		Sample Date		12/11/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.1	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.1	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.1	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.1	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.7	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.1	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.1	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.2	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.1	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.1	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.1	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	5.6	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	5.6	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5.6	UJ	mc
8260C	ACETONE	67-64-1	UG_L	15	J	mc
8260C	BENZENE	71-43-2	UG_L	1.1	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.1	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.1	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2.2	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.1	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.1	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.1	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2.2	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1.1	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2.2	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.1	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.1	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2.2	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	1.1	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.1	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2.2	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.7	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.1	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5.6	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.1	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.1	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.1	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1.1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.1	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.1	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2.2	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2.2	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3.3	UJ	mc

		Sample Delivery Group		TI0091		
		Lab ID		TI0091-3		
		Sample ID		VPB165-GW-121115-288-290		
		Sample Date		12/11/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.6	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.2	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	6.2		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.2		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.95	J	c
8260C	TOLUENE	108-88-3	UG_L	0.27	J	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	24		
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	

		Sample Delivery Group		TI0091		
		Lab ID		TI0091-4		
		Sample ID		VPB165-GW-121115-298-300		
		Sample Date		12/11/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.3		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.64	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	4.6	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	1.2		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.64	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	11	J	c
8260C	TOLUENE	108-88-3	UG_L	0.36	J	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	73		
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	

		Sample Delivery Group		TI0091		
		Lab ID		TI0091-5DL		
		Sample ID		VPB165-GW-121115-318-320		
		Sample Date		12/11/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.91	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.91	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.91	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.91	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.91	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.91	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.91	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.4	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.91	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.91	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.91	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.8	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.91	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.91	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.91	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	4.6	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	4.6	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	4.6	UJ	mc
8260C	ACETONE	67-64-1	UG_L	14	J	mc
8260C	BENZENE	71-43-2	UG_L	0.91	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.91	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.91	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1.8	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.91	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.91	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.91	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1.8	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.91	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1.8	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.91	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.91	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.91	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.91	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1.8	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.91	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.91	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1.8	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.4	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.91	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.91	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	4.6	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.91	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.91	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.91	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	0.91	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.91	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.91	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.91	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1.8	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1.8	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	2.7	UJ	mc

		Sample Delivery Group		TI0091		
		Lab ID		TI0091-6DL		
		Sample ID		VPB165-GW-121415-338-340		
		Sample Date		12/14/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.1	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.1	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.1	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.1	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.7	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.1	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.1	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.3	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.1	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.1	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.1	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	5.7	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	5.7	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5.7	UJ	mc
8260C	ACETONE	67-64-1	UG_L	16	J	mc
8260C	BENZENE	71-43-2	UG_L	1.1	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.1	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.1	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2.3	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.1	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.1	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.1	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2.3	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1.1	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2.3	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.1	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.1	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2.3	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	1.1	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.1	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2.3	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.7	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.1	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5.7	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.1	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.1	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.1	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1.1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.1	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.1	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2.3	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2.3	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3.4	UJ	mc

		Sample Delivery Group		TI0091		
		Lab ID		TI0091-7		
		Sample ID		VPB165-GW-121415-358-360		
		Sample Date		12/14/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	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	4.5		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0091		
		Lab ID		TI0091-8		
		Sample ID		VPB165-GW-121415-378-380		
		Sample Date		12/14/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	6		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.9	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.6	J	fd
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	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	21		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.6	J	fd
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.31	J	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.2		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0091		
		Lab ID		TI0091-9		
		Sample ID		VPB165-GWD-121415		
		Sample Date		12/14/2015		
		Sample Type		Field Duplicate		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	5.9		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.9	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.31	J	fd
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.4	J	
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	22		
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.31	J	fd
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.3		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

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

		Sample Delivery Group		TI0384		
		Lab ID		TI0384-1		
		Sample ID		VPB165-TB-122215		
		Sample Date		12/22/2015		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		TI0384		
		Lab ID		TI0384-2		
		Sample ID		VPB165-GW-122215-658-660		
		Sample Date		12/22/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	73	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	3.2	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.5	J	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	4.4	J	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0384		
		Lab ID		TI0384-3DL		
		Sample ID		VPB165-GW-122215-678-680		
		Sample Date		12/22/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	10	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc
8260C	ACETONE	67-64-1	UG_L	9.3	J	mc,c
8260C	BENZENE	71-43-2	UG_L	2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	4	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	4	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	2	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	4	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	2	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	2	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	3	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	2	UJ	mc
8260C	STYRENE	100-42-5	UG_L	2	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	2	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	2	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	4	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	UJ	mc

		Sample Delivery Group		TI0384		
		Lab ID		TI0384-4		
		Sample ID		VPB165-EB-122215		
		Sample Date		12/22/2015		
		Sample Type		Equipment Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	0.5	UJ	bl
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

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

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-1		
		Sample ID		VPB165-GW-122815-738-740		
		Sample Date		12/28/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	3.7	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc,c
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-2		
		Sample ID		VPB165-GW-122815-758-760		
		Sample Date		12/28/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	m,mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	2.5	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc,c
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-3		
		Sample ID		VPB165-GWD-122815		
		Sample Date		12/28/2015		
		Sample Type		Field Duplicate		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	4.1	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc,c
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-4		
		Sample ID		VPB165-GW-122915-788-790		
		Sample Date		12/29/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	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	UJ	c
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	

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-5		
		Sample ID		VPB165-EB-122815		
		Sample Date		12/28/2015		
		Sample Type		Equipment Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	0.14	J	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	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	UJ	c
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	

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-6DL		
		Sample ID		VPB165-GW-122915-818-820		
		Sample Date		12/29/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.8	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.8	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.8	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.8	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.8	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.8	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.8	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.2	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.8	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.8	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.8	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.6	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.8	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.8	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.8	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	4	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	4	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	4	UJ	mc
8260C	ACETONE	67-64-1	UG_L	4	UJ	mc,c
8260C	BENZENE	71-43-2	UG_L	0.8	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.8	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.8	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1.6	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.8	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.8	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.8	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1.6	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.8	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1.6	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.8	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.8	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.8	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.8	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1.6	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.8	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.8	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1.6	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.2	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.8	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.8	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	4	UJ	mc,c
8260C	O-XYLENE	95-47-6	UG_L	0.8	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.8	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.8	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.8	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.8	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.8	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.8	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1.6	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1.6	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	2.4	UJ	mc

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-7		
		Sample ID		VPB165-GW-122915-798-800		
		Sample Date		12/29/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc,c
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-8		
		Sample ID		VPB165-GW-123015-838-840		
		Sample Date		12/30/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc,c
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-9DL		
		Sample ID		VPB165-GW-123015-858-860		
		Sample Date		12/30/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	10	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc
8260C	ACETONE	67-64-1	UG_L	10	UJ	mc,c
8260C	BENZENE	71-43-2	UG_L	2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	4	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	4	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	2	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	4	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	2	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	2	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	3	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	UJ	mc,c
8260C	O-XYLENE	95-47-6	UG_L	2	UJ	mc
8260C	STYRENE	100-42-5	UG_L	2	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	2	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	2	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	4	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	UJ	mc

		Sample Delivery Group		TI0460		
		Lab ID		TI0460-10		
		Sample ID		VPB165-TB-123015		
		Sample Date		12/28/2015		
		Sample Type		Trip Blank		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG_L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	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	UJ	c
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

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

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	200-31426	
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA Method TO-15	
Validation Level:	3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 01/29/2016
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: 200-31426_TO15

SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — NWIRP Bethpage site on 30 December 2015 in accordance with the following Sampling and Analysis Plans:

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

Sample ID	Matrix/Sample Type	Analysis
VPB165-AIR-123015	Air	TO-15

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

REVIEW ELEMENTS

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

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

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

Qualifications Actions

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

ATTACHMENTS

Attachment A: Final Results after Data Review

Attachment A
Final Results after Data Review

		Sample Delivery Group		200-31426	
		Lab ID		200-31426-1	
		Sample ID		VPB165-AIR-123015	
		Sample Date		12/30/2015	
		Sample Type		Air	
Method	**Analyte**	**CAS No**	**Units**	Result	Qual
TO-15	1,1,1-TRICHLOROETHANE	71-55-6	PPBV	0.2	U
TO-15	1,1,2,2-TETRACHLOROETHANE	79-34-5	PPBV	0.2	U
TO-15	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	PPBV	0.2	U
TO-15	1,1,2-TRICHLOROETHANE	79-00-5	PPBV	0.2	U
TO-15	1,1-DICHLOROETHANE	75-34-3	PPBV	0.2	U
TO-15	1,1-DICHLOROETHENE	75-35-4	PPBV	0.2	U
TO-15	1,2,4-TRICHLOROBENZENE	120-82-1	PPBV	0.5	U
TO-15	1,2-DIBROMOETHANE	106-93-4	PPBV	0.2	U
TO-15	1,2-DICHLOROBENZENE	95-50-1	PPBV	0.2	U
TO-15	1,2-DICHLOROETHANE	107-06-2	PPBV	0.2	U
TO-15	1,2-DICHLOROPROPANE	78-87-5	PPBV	0.2	U
TO-15	1,3-DICHLOROBENZENE	541-73-1	PPBV	0.2	U
TO-15	1,4-DICHLOROBENZENE	106-46-7	PPBV	0.2	U
TO-15	2-BUTANONE	78-93-3	PPBV	0.75	
TO-15	2-HEXANONE	591-78-6	PPBV	0.5	U
TO-15	4-METHYL-2-PENTANONE	108-10-1	PPBV	0.5	U
TO-15	ACETONE	67-64-1	PPBV	5.7	
TO-15	BENZENE	71-43-2	PPBV	0.41	
TO-15	BROMODICHLOROMETHANE	75-27-4	PPBV	0.2	U
TO-15	BROMOFORM	75-25-2	PPBV	0.2	U
TO-15	BROMOMETHANE	74-83-9	PPBV	0.2	U
TO-15	CARBON DISULFIDE	75-15-0	PPBV	0.5	U
TO-15	CARBON TETRACHLORIDE	56-23-5	PPBV	0.2	U
TO-15	CHLOROBENZENE	108-90-7	PPBV	0.2	U
TO-15	CHLOROETHANE	75-00-3	PPBV	0.5	U
TO-15	CHLOROFORM	67-66-3	PPBV	0.2	U
TO-15	CHLOROMETHANE	74-87-3	PPBV	0.65	
TO-15	CIS-1,2-DICHLOROETHENE	156-59-2	PPBV	0.2	U
TO-15	CIS-1,3-DICHLOROPROPENE	10061-01-5	PPBV	0.2	U
TO-15	CYCLOHEXANE	110-82-7	PPBV	2	
TO-15	DIBROMOCHLOROMETHANE	124-48-1	PPBV	0.2	U
TO-15	DICHLORODIFLUOROMETHANE	75-71-8	PPBV	0.54	
TO-15	ETHYLBENZENE	100-41-4	PPBV	0.2	U
TO-15	ISOPROPYLBENZENE	98-82-8	PPBV	0.2	U
TO-15	M- AND P-XYLENE	108-38-3/106-42	PPBV	0.5	U
TO-15	METHYL TERT-BUTYL ETHER	1634-04-4	PPBV	0.2	U
TO-15	METHYLENE CHLORIDE	75-09-2	PPBV	0.83	
TO-15	O-XYLENE	95-47-6	PPBV	0.2	U
TO-15	STYRENE	100-42-5	PPBV	0.2	U
TO-15	TETRACHLOROETHENE	127-18-4	PPBV	0.2	
TO-15	TOLUENE	108-88-3	PPBV	5.9	
TO-15	TRANS-1,2-DICHLOROETHENE	156-60-5	PPBV	0.2	U
TO-15	TRANS-1,3-DICHLOROPROPENE	10061-02-6	PPBV	0.2	U
TO-15	TRICHLOROETHENE	79-01-6	PPBV	0.2	U
TO-15	TRICHLOROFLUOROMETHANE	75-69-4	PPBV	0.22	
TO-15	VINYL CHLORIDE	75-01-4	PPBV	0.2	U
TO-15	XYLENES, TOTAL	1330-20-7	PPBV	0.7	U

Notes:

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

Section 5

VPB165 Analytical Data Table

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/7/2015	12/7/2015	12/9/2015	12/9/2015
Sample ID		VPB165-GW-120715-58-60	VPB165-GW-120715-98-100	VPB165-GW-120915-148-150	VPB165-GW-120915-198-200
Sample Interval (ft bgs)		58-60	98-100	148-150	198-200
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,1,2-TRICHLOROETHANE	1	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,1-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	**1.2**
1,1-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	**0.72 J**
1,2,4-TRICHLOROBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 UJ***	***< 0.75 UJ***	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,2-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,2-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 UJ	< 1.0 UJ	< 1 U	< 1 U
1,2-DICHLOROPROPANE	1	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,3-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
1,4-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
2-BUTANONE	50	< 2.5 UJ	**2.8 J**	< 2.5 U	< 2.5 U
2-HEXANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 U	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 U	< 2.5 U
ACETONE	50	**5.4 J**	**10 J**	**6.2**	**7.6**
BENZENE	1	< 0.50 UJ	**0.64 J**	**0.31 J**	< 0.5 U
BROMODICHLOROMETHANE	50	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
BROMOFORM	50	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
BROMOMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1 U	< 1 U
CARBON DISULFIDE	60	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
CARBON TETRACHLORIDE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
CHLOROBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1 U	< 1 U
CHLOROFORM	7	< 0.50 UJ	< 0.50 UJ	**0.62 J**	**0.98 J**
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1 U	< 1 U
CIS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.5 U***	***< 0.5 U***
CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
DIBROMOCHLOROMETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1 U	< 1 U
ETHYLBENZENE	5	**0.53 J**	**0.86 J**	**0.56 J**	**0.25 J**
ISOPROPYLBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
M- AND P-XYLENE	NL	**1.4 J**	**2.7 J**	**1.4 J**	**0.78 J**
METHYL ACETATE	NL	< 0.75 UJ	< 0.75 UJ	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
METHYL TERT-BUTYL ETHER	10	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
METHYLENE CHLORIDE	5	< 2.5 UJ	< 2.5 UJ	< 2.5 U	< 2.5 U
O-XYLENE	NL	**0.80 J**	**1.4 J**	**0.6 J**	**0.37 J**
STYRENE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
TETRACHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 UJ	**1.1 J**
TOLUENE	5	**2.1 J**	**4.4 J**	**2.6**	**1.3**
TRANS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.5 U	< 0.5 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.5 U***	***< 0.5 U***
TRICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	**0.73 J**	**6.9**
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1 U	< 1 U
VINYL CHLORIDE	2	< 1.0 UJ	< 1.0 UJ	< 1 U	< 1 U
XYLENES, TOTAL	5	**2.2 J**	**4.1 J**	**2 J**	**1.2 J**

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/10/2015	12/10/2015	12/10/2015	12/11/2015
Sample ID		VPB165-GW-121015-218-220	VPB165-GW-121015-238-240	VPB165-GW-121015-258-260	VPB165-GW-121115-278-280
Sample Interval (ft bgs)		218-220	238-240	258-260	278-280
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
1,1,2-TRICHLOROETHANE	1	< 0.5 U	< 0.5 U	< 0.5 U	***< 1.1 UJ***
1,1-DICHLOROETHANE	5	**1.4**	**1.4**	**3.4**	< 1.1 UJ
1,1-DICHLOROETHENE	5	**0.77 J**	**0.43 J**	< 0.5 U	< 1.1 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 1.7 UJ***
1,2-DIBROMOETHANE	NL	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
1,2-DICHLOROBENZENE	3	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
1,2-DICHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
1,2-DICHLOROETHENE, TOTAL	5	**0.28 J**	**0.27 J**	< 1 U	< 2.2 UJ
1,2-DICHLOROPROPANE	1	< 0.5 U	< 0.5 U	< 0.5 U	***< 1.1 UJ***
1,3-DICHLOROBENZENE	3	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
1,4-DICHLOROBENZENE	3	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 5.6 UJ
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 5.6 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 5.6 UJ
ACETONE	50	**4.3 J**	**3.2 J**	< 2.5 U	**15 J**
BENZENE	1	< 0.5 U	< 0.5 U	< 0.5 U	***< 1.1 UJ***
BROMODICHLOROMETHANE	50	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
BROMOFORM	50	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
BROMOMETHANE	5	< 1 U	< 1 U	< 1 U	< 2.2 UJ
CARBON DISULFIDE	60	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
CARBON TETRACHLORIDE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
CHLOROBENZENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
CHLOROETHANE	5	< 1 U	< 1 U	< 1 U	< 2.2 UJ
CHLOROFORM	7	**4.2**	**1.2**	**2.1**	< 1.1 UJ
CHLOROMETHANE	5	< 1 U	< 1 U	< 1 U	< 2.2 UJ
CIS-1,2-DICHLOROETHENE	5	**0.28 J**	**0.27 J**	< 0.5 U	< 1.1 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.5 U***	***< 0.5 U***	***< 0.5 U***	***< 1.1 UJ***
CYCLOHEXANE	NL	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
DIBROMOCHLOROMETHANE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
DICHLORODIFLUOROMETHANE	5	< 1 U	< 1 U	< 1 U	< 2.2 UJ
ETHYLBENZENE	5	**0.37 J**	**0.29 J**	**0.34 J**	< 1.1 UJ
ISOPROPYLBENZENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
M- AND P-XYLENE	NL	**0.9 J**	**0.73 J**	**1.2 J**	< 2.2 UJ
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 1.7 UJ
METHYL CYCLOHEXANE	NL	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
METHYL TERT-BUTYL ETHER	10	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	***< 5.6 UJ***
O-XYLENE	NL	**0.34 J**	**0.44 J**	**0.46 J**	< 1.1 UJ
STYRENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
TETRACHLOROETHENE	5	**1.7 J**	**2.5 J**	< 0.5 UJ	< 1.1 UJ
TOLUENE	5	**1.8**	**1.3**	**1.8**	< 1.1 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 1.1 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.5 U***	***< 0.5 U***	***< 0.5 U***	***< 1.1 UJ***
TRICHLOROETHENE	5	**12**	**18**	< 0.5 U	< 1.1 UJ
TRICHLOROFLUOROMETHANE	5	< 1 U	< 1 U	< 1 U	< 2.2 UJ
VINYL CHLORIDE	2	< 1 U	< 1 U	< 1 U	***< 2.2 UJ***
XYLENES, TOTAL	5	**1.2 J**	**1.2 J**	**1.6 J**	< 3.3 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/11/2015	12/11/2015	12/11/2015	12/14/2015
Sample ID		VPB165-GW-121115-288-290	VPB165-GW-121115-298-300	VPB165-GW-121115-318-320	VPB165-GW-121415-338-340
Sample Interval (ft bgs)		288-290	298-300	318-320	338-340
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
1,1,2-TRICHLOROETHANE	1	< 0.5 U	< 0.5 U	< 0.91 UJ	***< 1.1 UJ***
1,1-DICHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
1,1-DICHLOROETHENE	5	**0.6 J**	**1.3**	< 0.91 UJ	< 1.1 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 1.4 UJ***	***< 1.7 UJ***
1,2-DIBROMOETHANE	NL	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
1,2-DICHLOROBENZENE	3	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
1,2-DICHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
1,2-DICHLOROETHENE, TOTAL	5	**1.2 J**	**0.64 J**	< 1.8 UJ	< 2.3 UJ
1,2-DICHLOROPROPANE	1	< 0.5 U	< 0.5 U	< 0.91 UJ	***< 1.1 UJ***
1,3-DICHLOROBENZENE	3	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
1,4-DICHLOROBENZENE	3	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 4.6 UJ	< 5.7 UJ
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 4.6 UJ	< 5.7 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 4.6 UJ	< 5.7 UJ
ACETONE	50	< 2.5 U	**4.6 J**	**14 J**	**16 J**
BENZENE	1	< 0.5 U	< 0.5 U	< 0.91 UJ	***< 1.1 UJ***
BROMODICHLOROMETHANE	50	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
BROMOFORM	50	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
BROMOMETHANE	5	< 1 U	< 1 U	< 1.8 UJ	< 2.3 UJ
CARBON DISULFIDE	60	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
CARBON TETRACHLORIDE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
CHLOROBENZENE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
CHLOROETHANE	5	< 1 U	< 1 U	< 1.8 UJ	< 2.3 UJ
CHLOROFORM	7	**6.2**	**1.2**	< 0.91 UJ	< 1.1 UJ
CHLOROMETHANE	5	< 1 U	< 1 U	< 1.8 UJ	< 2.3 UJ
CIS-1,2-DICHLOROETHENE	5	**1.2**	**0.64 J**	< 0.91 UJ	< 1.1 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.5 U***	***< 0.5 U***	***< 0.91 UJ***	***< 1.1 UJ***
CYCLOHEXANE	NL	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
DIBROMOCHLOROMETHANE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
DICHLORODIFLUOROMETHANE	5	< 1 U	< 1 U	< 1.8 UJ	< 2.3 UJ
ETHYLBENZENE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
ISOPROPYLBENZENE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
M- AND P-XYLENE	NL	< 1 U	< 1 U	< 1.8 UJ	< 2.3 UJ
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 1.4 UJ	< 1.7 UJ
METHYL CYCLOHEXANE	NL	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
METHYL TERT-BUTYL ETHER	10	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 4.6 UJ	***< 5.7 UJ***
O-XYLENE	NL	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
STYRENE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
TETRACHLOROETHENE	5	**0.95 J**	**11 J**	< 0.91 UJ	< 1.1 UJ
TOLUENE	5	**0.27 J**	**0.36 J**	< 0.91 UJ	< 1.1 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.5 U	< 0.5 U	< 0.91 UJ	< 1.1 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.5 U***	***< 0.5 U***	***< 0.91 UJ***	***< 1.1 UJ***
TRICHLOROETHENE	5	**24**	**73**	< 0.91 UJ	< 1.1 UJ
TRICHLOROFLUOROMETHANE	5	< 1 U	< 1 U	< 1.8 UJ	< 2.3 UJ
VINYL CHLORIDE	2	< 1 U	< 1 U	< 1.8 UJ	***< 2.3 UJ***
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 2.7 UJ	< 3.4 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/14/2015	12/14/2015	12/14/2015	12/15/2015
Sample ID		VPB165-GW-121415-358-360	VPB165-GW-121415-378-380	VPB165-GWD-121415	VPB165-GW-121515-403-405
Sample Interval (ft bgs)		358-360	378-380	378-380	403-405
Sample type code		N	N	FD	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.5 U	**6**	**5.9**	**3.3**
1,1,2-TRICHLOROETHANE	1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,1-DICHLOROETHANE	5	< 0.5 U	**0.9 J**	**0.9 J**	**0.59 J**
1,1-DICHLOROETHENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,2,4-TRICHLOROBENZENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	< 1 U	**0.6 J**	**0.31 J**	< 1.0 U
1,2-DICHLOROPROPANE	1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
ACETONE	50	< 2.5 U	**2.5 J**	**2.4 J**	< 2.5 U
BENZENE	1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
BROMOFORM	50	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
BROMOMETHANE	5	< 1 U	< 1 U	< 1 U	< 1.0 U
CARBON DISULFIDE	60	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
CHLOROBENZENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
CHLOROETHANE	5	< 1 U	< 1 U	< 1 U	< 1.0 U
CHLOROFORM	7	**4.5**	**21**	**22**	**14**
CHLOROMETHANE	5	< 1 U	< 1 U	< 1 U	< 1.0 UJ
CIS-1,2-DICHLOROETHENE	5	< 0.5 U	**0.6 J**	**0.31 J**	< 0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.5 U***	***< 0.5 U***	***< 0.5 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1 U	< 1 U	< 1 U	< 1.0 UJ
ETHYLBENZENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
M- AND P-XYLENE	NL	< 1 U	< 1 U	< 1 U	< 1.0 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	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 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	< 0.50 U
STYRENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.50 U
TOLUENE	5	< 0.5 U	**0.31 J**	< 0.5 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.5 U***	***< 0.5 U***	***< 0.5 U***	***< 0.50 U***
TRICHLOROETHENE	5	< 0.5 U	**1.2**	**1.3**	**1.8**
TRICHLOROFLUOROMETHANE	5	< 1 U	< 1 U	< 1 U	< 1.0 UJ
VINYL CHLORIDE	2	< 1 U	< 1 U	< 1 U	< 1.0 UJ
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/15/2015	12/16/2015	12/16/2015	12/17/2015
Sample ID		VPB165-GW-121515-418-420	VPB165-GW-121615-438-440	VPB165-GW-121615-458-460	VPB165-GW-121715-478-480
Sample Interval (ft bgs)		418-420	438-440	458-460	478-480
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.36 J**	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**5.7**	**16**	**19**	**13**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-DICHLOROETHANE	5	**1.4**	**0.62 J**	< 0.50 U	< 0.50 U
1,1-DICHLOROETHENE	5	**0.76 J**	**0.66 J**	**0.98 J**	< 0.50 U
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**1.2 J**	**3.8**	**3.2**	**2.8**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
ACETONE	50	**4.2 J**	**3.4 J**	< 2.5 U	< 2.5 U
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CHLOROFORM	7	**12**	**2.7**	**5.8**	**5.0**
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CIS-1,2-DICHLOROETHENE	5	**1.2**	**3.8**	**3.2**	**2.8**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	**0.38 J**	< 1.0 UJ	**0.26 J**	< 1.0 UJ
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 U	**16**	**9.0**	**11**
TOLUENE	5	**0.53 J**	< 0.50 U	**0.38 J**	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
TRICHLOROETHENE	5	**12**	**140**	**62**	**45**
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
VINYL CHLORIDE	2	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/17/2015	12/17/2015	12/18/2015	12/18/2015
Sample ID		VPB165-GW-121715-498-500	VPB165-GW-121715-518-520	VPB165-GW-121815-538-540	VPB165-GW-121815-558-560
Sample Interval (ft bgs)		498-500	518-520	538-540	558-560
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**7.6 J**	**14 J**	**25 J**	**79 J**
1,1,2-TRICHLOROETHANE	1	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1-DICHLOROETHENE	5	**0.61 J**	**0.42 J**	**0.64 J**	**1.1 J**
1,2,4-TRICHLOROBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 UJ***	***< 0.75 UJ***	***< 0.75 UJ***	***< 0.75 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	**2.9 J**	**2.8 J**	**2.4 J**	**3.9 J**
1,2-DICHLOROPROPANE	1	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,3-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,4-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
2-BUTANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
2-HEXANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
ACETONE	50	**4.1 J**	**3.4 J**	**6.0 J**	**5.9 J**
BENZENE	1	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
BROMODICHLOROMETHANE	50	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
BROMOFORM	50	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
BROMOMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CARBON DISULFIDE	60	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
CARBON TETRACHLORIDE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
CHLOROBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	**1.1 J**	**0.64 J**	< 0.50 UJ	< 0.50 UJ
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	**0.71 J**
CIS-1,2-DICHLOROETHENE	5	**2.9 J**	**2.8 J**	**2.4 J**	**3.9 J**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 UJ***
CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	**0.39 J**	< 1.0 UJ	< 1.0 UJ
ETHYLBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
ISOPROPYLBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
M- AND P-XYLENE	NL	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
METHYL ACETATE	NL	< 0.75 UJ	< 0.75 UJ	< 0.75 UJ	< 0.75 UJ
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
METHYLENE CHLORIDE	5	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
O-XYLENE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
STYRENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
TETRACHLOROETHENE	5	**14 J**	**7.6 J**	**2.0 J**	**5.5 J**
TOLUENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 UJ***
TRICHLOROETHENE	5	**95 J**	**35 J**	**16 J**	**39 J**
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
VINYL CHLORIDE	2	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
XYLENES, TOTAL	5	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/18/2015	12/21/2015	12/21/2015	12/21/2015
Sample ID		VPB165-GW-121815-578-580	VPB165-GW-122115-598-600	VPB165-GW-122115-618-620	VPB165-GW-122115-638-640
Sample Interval (ft bgs)		578-580	598-600	618-620	638-640
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**170 J**	< 0.50 U	**17 J**	< 1.3 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 UJ	< 0.50 U	< 0.50 UJ	***< 1.3 UJ***
1,1-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
1,1-DICHLOROETHENE	5	**0.52 J**	< 0.50 U	**0.40 J**	< 1.3 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 UJ***	***< 0.75 U***	***< 0.75 UJ***	***< 2.0 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
1,2-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
1,2-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
1,2-DICHLOROETHENE, TOTAL	5	**0.87 J**	< 1.0 U	< 1.0 UJ	< 2.7 UJ
1,2-DICHLOROPROPANE	1	< 0.50 UJ	< 0.50 U	< 0.50 UJ	***< 1.3 UJ***
1,3-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
1,4-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
2-BUTANONE	50	< 2.5 UJ	< 2.5 U	< 2.5 UJ	< 6.7 UJ
2-HEXANONE	50	< 2.5 UJ	< 2.5 U	< 2.5 UJ	< 6.7 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 6.7 UJ
ACETONE	50	**4.9 J**	**4.8 J**	**5.7 J**	< 6.7 UJ
BENZENE	1	< 0.50 UJ	< 0.50 U	< 0.50 UJ	***< 1.3 UJ***
BROMODICHLOROMETHANE	50	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
BROMOFORM	50	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
BROMOMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 2.7 UJ
CARBON DISULFIDE	60	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
CARBON TETRACHLORIDE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
CHLOROBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 2.7 UJ
CHLOROFORM	7	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 2.7 UJ
CIS-1,2-DICHLOROETHENE	5	**0.87 J**	< 0.50 U	< 0.50 UJ	< 1.3 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 U***	***< 0.50 UJ***	***< 1.3 UJ***
CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 2.7 UJ
ETHYLBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
ISOPROPYLBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
M- AND P-XYLENE	NL	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 2.7 UJ
METHYL ACETATE	NL	< 0.75 UJ	< 0.75 U	< 0.75 UJ	< 2.0 UJ
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
METHYLENE CHLORIDE	5	< 2.5 UJ	< 2.5 U	< 2.5 UJ	***< 6.7 UJ***
O-XYLENE	NL	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
STYRENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
TETRACHLOROETHENE	5	**2.6 J**	< 0.50 UJ	< 0.50 UJ	< 1.3 UJ
TOLUENE	5	< 0.50 UJ	**0.34 J**	< 0.50 UJ	< 1.3 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 1.3 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 U***	***< 0.50 UJ***	***< 1.3 UJ***
TRICHLOROETHENE	5	**9.0 J**	< 0.50 U	**0.52 J**	< 1.3 UJ
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 2.7 UJ
VINYL CHLORIDE	2	< 1.0 UJ	< 1.0 U	< 1.0 UJ	***< 2.7 UJ***
XYLENES, TOTAL	5	< 1.5 UJ	< 1.5 U	< 1.5 UJ	< 4.0 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/22/2015	12/22/2015	12/23/2015	12/23/2015
Sample ID		VPB165-GW-122215-658-660	VPB165-GW-122215-678-680	VPB165-GW-122315-698-700	VPB165-GW-122315-718-720
Sample Interval (ft bgs)		658-660	678-680	698-700	718-720
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**73 J**	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 UJ	***< 2.0 UJ***	< 0.50 UJ	***< 1.7 UJ***
1,1-DICHLOROETHANE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,1-DICHLOROETHENE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 UJ***	***< 3.0 UJ***	***< 0.75 UJ***	***< 2.5 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,2-DICHLOROBENZENE	3	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,2-DICHLOROETHANE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 UJ	< 4.0 UJ	< 1.0 UJ	< 3.3 UJ
1,2-DICHLOROPROPANE	1	< 0.50 UJ	***< 2.0 UJ***	< 0.50 UJ	***< 1.7 UJ***
1,3-DICHLOROBENZENE	3	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
1,4-DICHLOROBENZENE	3	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
2-BUTANONE	50	< 2.5 UJ	< 10 UJ	< 2.5 UJ	< 8.3 UJ
2-HEXANONE	50	< 2.5 UJ	< 10 UJ	< 2.5 UJ	< 8.3 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 10 UJ	< 2.5 UJ	< 8.3 UJ
ACETONE	50	**3.2 J**	**9.3 J**	**3.2 J**	< 8.3 UJ
BENZENE	1	< 0.50 UJ	***< 2.0 UJ***	< 0.50 UJ	***< 1.7 UJ***
BROMODICHLOROMETHANE	50	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
BROMOFORM	50	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
BROMOMETHANE	5	< 1.0 UJ	< 4.0 UJ	< 1.0 UJ	< 3.3 UJ
CARBON DISULFIDE	60	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
CARBON TETRACHLORIDE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
CHLOROBENZENE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
CHLOROETHANE	5	< 1.0 UJ	< 4.0 UJ	< 1.0 UJ	< 3.3 UJ
CHLOROFORM	7	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
CHLOROMETHANE	5	< 1.0 UJ	< 4.0 UJ	< 1.0 UJ	< 3.3 UJ
CIS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 2.0 UJ***	***< 0.50 UJ***	***< 1.7 UJ***
CYCLOHEXANE	NL	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	< 4.0 UJ	< 1.0 UJ	< 3.3 UJ
ETHYLBENZENE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
ISOPROPYLBENZENE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
M- AND P-XYLENE	NL	< 1.0 UJ	< 4.0 UJ	< 1.0 UJ	< 3.3 UJ
METHYL ACETATE	NL	< 0.75 UJ	< 3.0 UJ	< 0.75 UJ	< 2.5 UJ
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
METHYLENE CHLORIDE	5	< 2.5 UJ	***< 10 UJ***	< 2.5 UJ	***< 8.3 UJ***
O-XYLENE	NL	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
STYRENE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
TETRACHLOROETHENE	5	**2.5 J**	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
TOLUENE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 2.0 UJ***	***< 0.50 UJ***	***< 1.7 UJ***
TRICHLOROETHENE	5	**4.4 J**	< 2.0 UJ	< 0.50 UJ	< 1.7 UJ
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 4.0 UJ	< 1.0 UJ	< 3.3 UJ
VINYL CHLORIDE	2	< 1.0 UJ	***< 4.0 UJ***	< 1.0 UJ	***< 3.3 UJ***
XYLENES, TOTAL	5	< 1.5 UJ	***< 6.0 UJ***	< 1.5 UJ	< 5.0 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/28/2015	12/28/2015	12/28/2015	12/29/2015
Sample ID		VPB165-GW-122815-738-740	VPB165-GWD-122815	VPB165-GW-122815-758-760	VPB165-GW-122915-788-790
Sample Interval (ft bgs)		738-740	738-740	758-760	788-790
Sample type code		N	FD	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1,2-TRICHLOROETHANE	1	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2,4-TRICHLOROBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 UJ***	***< 0.75 UJ***	***< 0.75 UJ***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 U
1,2-DICHLOROPROPANE	1	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
2-BUTANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 U
2-HEXANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 U
ACETONE	50	**3.7 J**	**4.1 J**	**2.5 J**	< 2.5 UJ
BENZENE	1	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
BROMOFORM	50	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
BROMOMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 U
CARBON DISULFIDE	60	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
CHLOROBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 U
CHLOROFORM	7	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CIS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 U
ETHYLBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 U
METHYL ACETATE	NL	< 0.75 UJ	< 0.75 UJ	< 0.75 UJ	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
O-XYLENE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
STYRENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TOLUENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 U***
TRICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 U
VINYL CHLORIDE	2	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 U
XYLENES, TOTAL	5	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB165	VPB165	VPB165	VPB165
Sample Date		12/29/2015	12/29/2015	12/30/2015	12/30/2015
Sample ID		VPB165-GW-122915-798-800	VPB165-GW-122915-818-820	VPB165-GW-123015-838-840	VPB165-GW-123015-858-860
Sample Interval (ft bgs)		798-800	818-820	838-840	858-860
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	***< 2.0 UJ***
1,1-DICHLOROETHANE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,1-DICHLOROETHENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 UJ***	***< 1.2 UJ***	***< 0.75 UJ***	***< 3.0 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,2-DICHLOROBENZENE	3	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,2-DICHLOROETHANE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 UJ	< 1.6 UJ	< 1.0 UJ	< 4.0 UJ
1,2-DICHLOROPROPANE	1	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	***< 2.0 UJ***
1,3-DICHLOROBENZENE	3	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
1,4-DICHLOROBENZENE	3	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
2-BUTANONE	50	< 2.5 UJ	< 4.0 UJ	< 2.5 UJ	< 10 UJ
2-HEXANONE	50	< 2.5 UJ	< 4.0 UJ	< 2.5 UJ	< 10 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 4.0 UJ	< 2.5 UJ	< 10 UJ
ACETONE	50	< 2.5 UJ	< 4.0 UJ	< 2.5 UJ	< 10 UJ
BENZENE	1	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	***< 2.0 UJ***
BROMODICHLOROMETHANE	50	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
BROMOFORM	50	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
BROMOMETHANE	5	< 1.0 UJ	< 1.6 UJ	< 1.0 UJ	< 4.0 UJ
CARBON DISULFIDE	60	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
CARBON TETRACHLORIDE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
CHLOROBENZENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
CHLOROETHANE	5	< 1.0 UJ	< 1.6 UJ	< 1.0 UJ	< 4.0 UJ
CHLOROFORM	7	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
CHLOROMETHANE	5	< 1.0 UJ	< 1.6 UJ	< 1.0 UJ	< 4.0 UJ
CIS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.80 UJ***	***< 0.50 UJ***	***< 2.0 UJ***
CYCLOHEXANE	NL	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	< 1.6 UJ	< 1.0 UJ	< 4.0 UJ
ETHYLBENZENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
ISOPROPYLBENZENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
M- AND P-XYLENE	NL	< 1.0 UJ	< 1.6 UJ	< 1.0 UJ	< 4.0 UJ
METHYL ACETATE	NL	< 0.75 UJ	< 1.2 UJ	< 0.75 UJ	< 3.0 UJ
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
METHYLENE CHLORIDE	5	< 2.5 UJ	< 4.0 UJ	< 2.5 UJ	***< 10 UJ***
O-XYLENE	NL	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
STYRENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
TETRACHLOROETHENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
TOLUENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.80 UJ***	***< 0.50 UJ***	***< 2.0 UJ***
TRICHLOROETHENE	5	< 0.50 UJ	< 0.80 UJ	< 0.50 UJ	< 2.0 UJ
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 1.6 UJ	< 1.0 UJ	< 4.0 UJ
VINYL CHLORIDE	2	< 1.0 UJ	< 1.6 UJ	< 1.0 UJ	***< 4.0 UJ***
XYLENES, TOTAL	5	< 1.5 UJ	< 2.4 UJ	< 1.5 UJ	***< 6.0 UJ***

Notes:

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

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

Yellow highlighted values exceed Groundwater Standards or guidance value

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

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

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

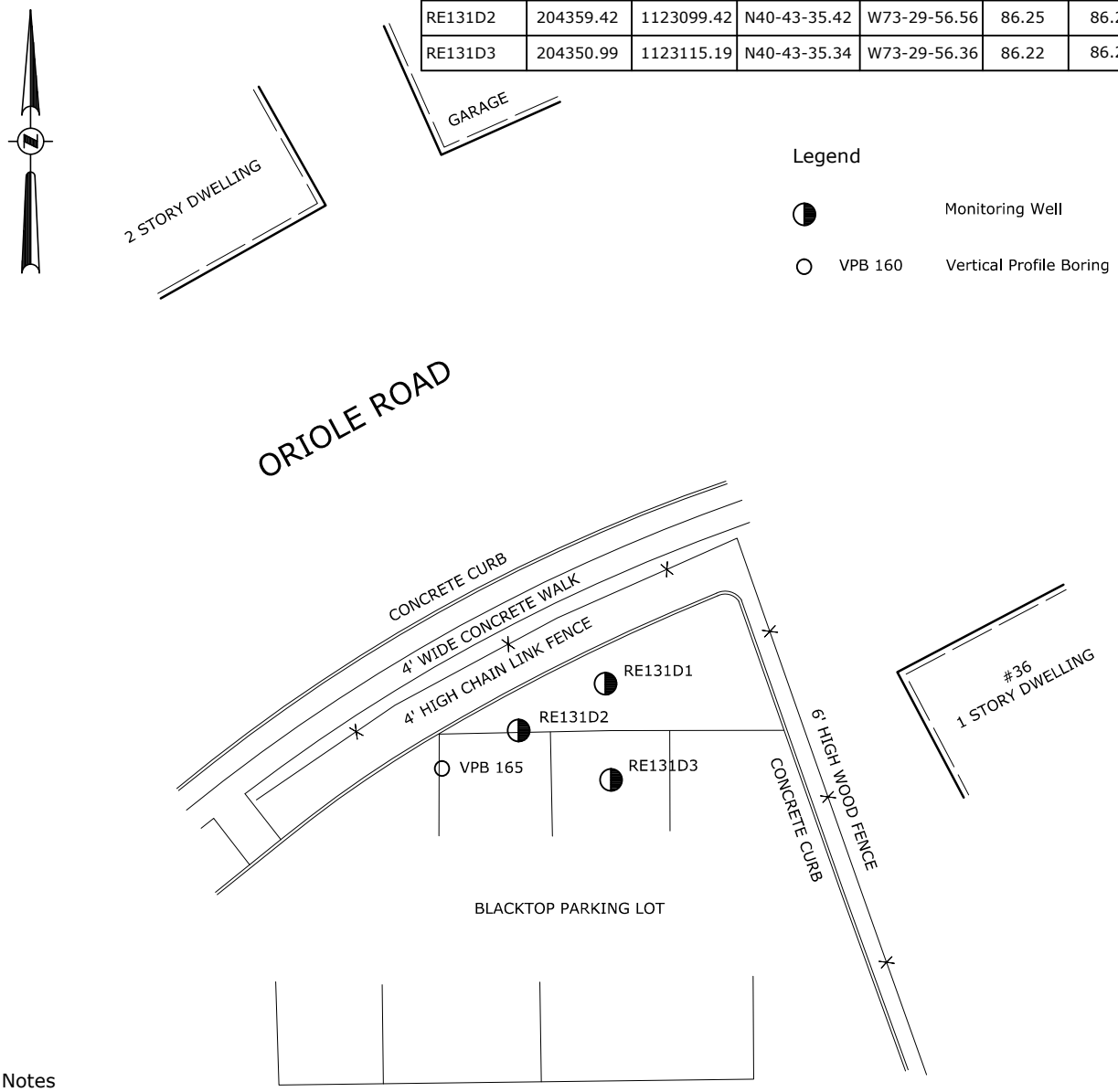
Section 6

VPB165 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	Rim	PVC
VPB 165	204352.95	1123086.29	N40-43-35.36	W73-29-56.73	86.26	NA	NA
RE131D1	204367.45	1123114.27	N40-43-35.50	W73-29-56.37	86.33	86.33	85.94
RE131D2	204359.42	1123099.42	N40-43-35.42	W73-29-56.56	86.25	86.25	85.72
RE131D3	204350.99	1123115.19	N40-43-35.34	W73-29-56.36	86.22	86.22	85.90



Map Notes

1. Information shown hereon was compiled from an actual field survey conducted on April 26, 2016.
2. North orientation is Grid North based on the New York State Plane Coordinate System, Long Island Zone, NAD 83(2011) epoch 2010.00 as obtained from GPS observations.
3. Vertical datum shown hereon is NAVD 88(Geoid12A) as obtained from RTK GPS observations using the Queens CORS as a base station.

BAR SCALE
30 0 15 30 60
1 inch = 30 ft.

DWG NO.16-328

Date	RECORD OF WORK	Appr.

Drafter: LMK | Checker: JFC

Appr. by: JFC | Proj. No. 14.4121

VERTICAL PROFILE BORING 165 SURVEY LOCATION
36 ORIOLE ROAD

TOWN OF HEMPSTEAD | NASSAU COUNTY, NEW YORK

C.T. MALE ASSOCIATES
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SCALE: 1"=30' | DATE: APRIL 26, 2016

CAD DWG. FILE NAME: K:\Projects\144121\Survey\Drawings and Maps\VPB 165.dwg