2015 OU2 GROUNDWATER INVESTIGATION
VPB159

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

January 2016

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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 VPB159 location) in 2015 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 VPB159. The purpose of the VPB159 investigation was to ascertain contaminant levels and depths west of the RE108 Hot Spot and north of Hempstead Turnpike. VPB locations within the general vicinity of VPB159 are shown in Figure 2. VPB159 was completed to 915 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 the 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 1000 ft below ground surface (bgs) observed onsite. 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 VPB159 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 (VPB159) was completed during this field effort between 18 June 2015 and 16 July 2015. The total depth of VPB159 was 915 ft. The location is shown in Figure 2 and details are summarized in Table 1.

2.1.1 Drilling

VPB159 was installed by drilling an 8-inch diameter hole using mud rotary drilling techniques. Drilling mud consisted of potable water and polymer-free sodium bentonite or equivalent. 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 903 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 VPB159 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 Summa canisters 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 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,* Bethpage, New York. April.

Resolution Consultants, 2013b. UFP SAP Addendum*, Installation of Vertical Profile Borings and Monitoring Wells.* 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 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
VPB159	6/18/2015	7/16/2015	85.77	915	53	7	915	38/2/8	548-550	7/14/2015	pending

MSL - mean sea level
ft bgs - feet below ground surface
GW - Groundwater
TOC - Total Organic Carbon

Figures

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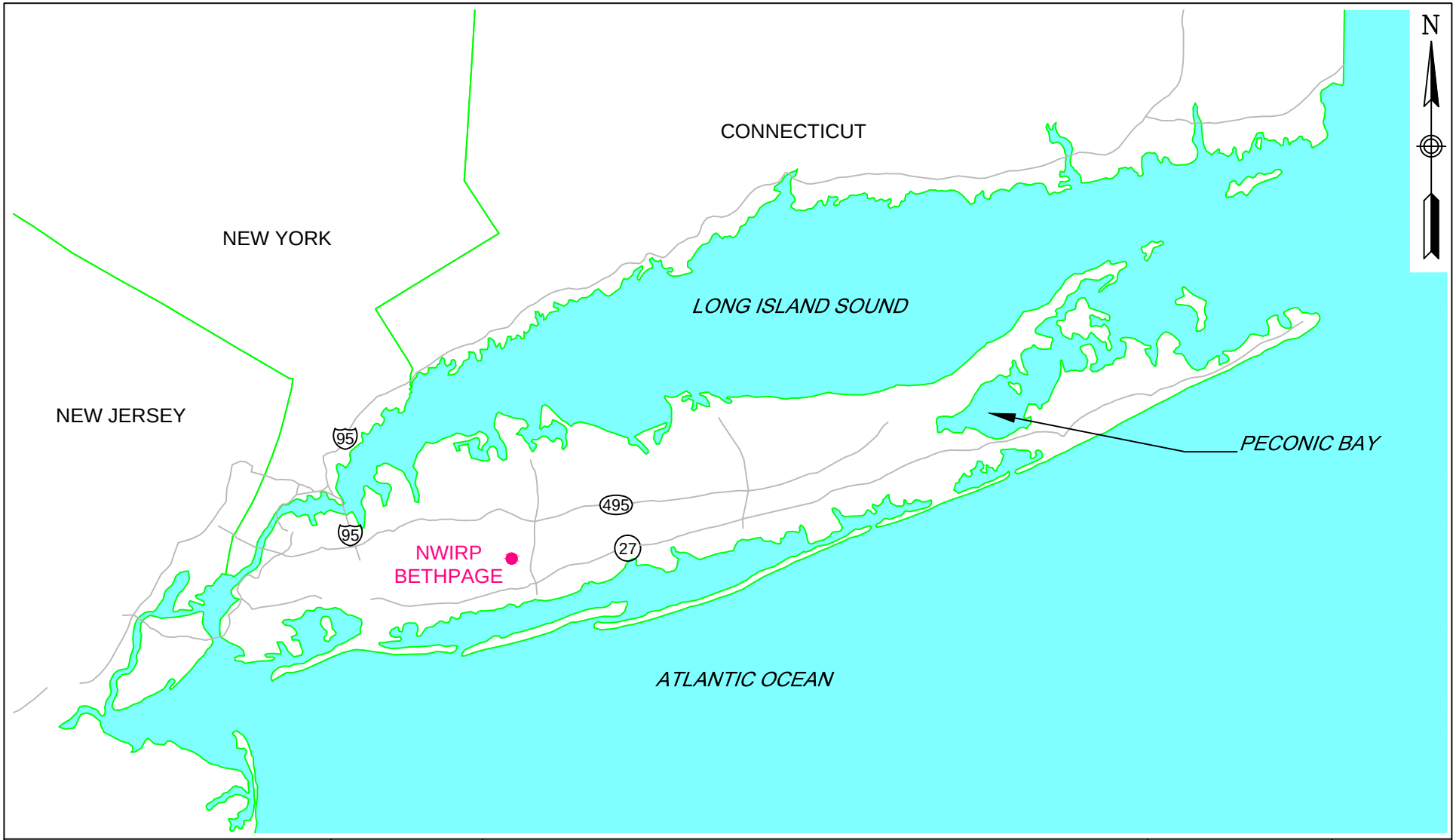

0 15 30

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 VPB 159 2015 08 17 R1.mxd

Former Naval Weapons Industrial Reserve Plant

Former Northrop Grumman Site

VPB159

Inset: VPB 159 Location

Old Bethpage

Plainedge

South Farmingdale

Levittown

North Wantagh

0 750 1,500 3,000 Feet

0 375 750 Feet

Legend

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

VPB159 LOCATION MAP
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK

CONTRACT NUMBER	CTO NUMBER
N62470-11-D8013	WE15
APPROVED BY: PS	DATE: 10/14/2015
APPROVED BY: —	DATE: —
FIGURE NO.: 2	REV: 0

Appendix A

VPB159

Section 1

VPB159 Boring and Gamma Logs

Resolution Consultants

Boring Log

BORING #: VPB159

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic		**Logged By:** V. Varricchio
Location: Diane Street, Seaford, NY	**Northing:** 204774.69 **Easting:** 1124447.18	**Drilling Company:** Delta Well & Pump
Project #: 60266526	**Ground Elevation (ft amsl):** 85.77	**Well Screen Interval (ft):** NA
Start Date: 6/18/2015	**Drilling Method:** Auger (0-50' bgs) Mud Rotary (>50' bgs)	**Water Level (ft):** NA
Finish Date: 7/16/2015		**Total Depth (ft):** 915.0

Mud Rotary Drilling Note: Unless denoted by a splitspoon sample (indicated by the presence of a PID reading), boundaries between strata are approximate only 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	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
0	30 60 90							
2					Upper Glacial	SW		Grass/Top Soil
4						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse SAND with fine to coarse subrounded Gravel
6								
8						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse SAND with some fine to coarse subrounded Gravel
10								
12						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse SAND with some fine to coarse subrounded Gravel
14								
16						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse SAND with some fine to coarse subrounded Gravel
18								
20						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse SAND with some fine to coarse subrounded Gravel
22								
24						SW		Dark Yellowish brown (10 YR 4/6) well graded fine to coarse SAND with little fine to coarse subrounded Gravel
26								
28						SW		Brownish Yellow (10 YR 6/6) poorly graded medium SAND with trace subrounded fine Gravel
30								
32						SP		Brownish Yellow (10 YR 6/6) poorly graded medium SAND with trace subrounded fine Gravel
34								
36						SP		Brownish Yellow (10 YR 6/6) poorly graded medium SAND with trace subrounded fine Gravel
38								
40						SP		Brownish Yellow (10 YR 6/6) poorly graded medium SAND with trace subrounded fine Gravel
42								
44						SP		Brownish Yellow (10 YR 6/6) poorly graded medium SAND with trace subrounded fine Gravel
46								
48						SP		Brownish Yellow (10 YR 6/6) poorly graded medium SAND with trace subrounded fine Gravel
50								
52						GW		Yellowish Brown (10 YR 5/4) well graded fine to coarse subangular GRAVEL with trace fine Sand
54								

(Continued Next Page)

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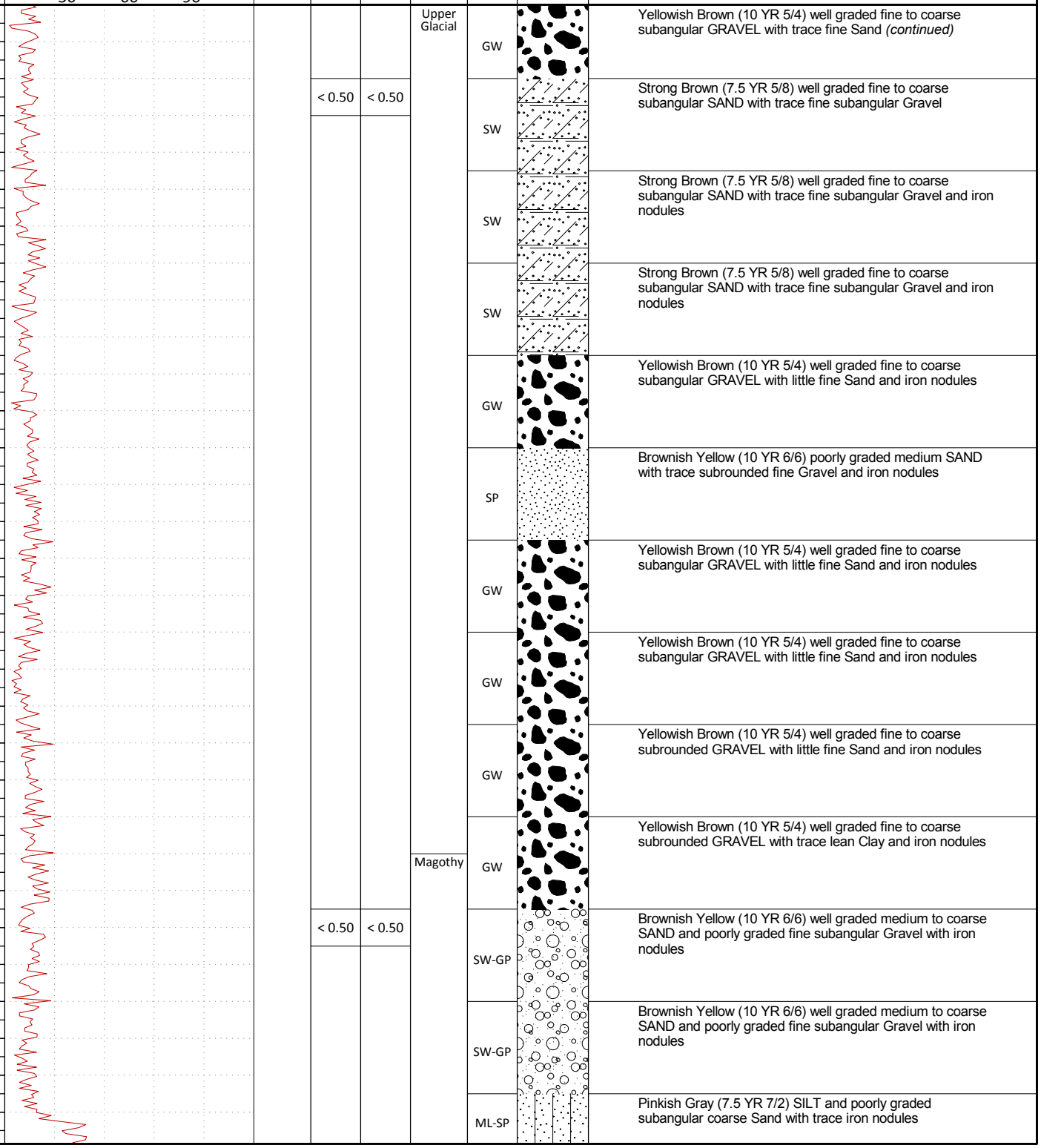
Boring Log

BORING #: VPB159

Sheet 2 of 15



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Resolution Consultants

Boring Log

BORING #: VPB159

DEPTH (ft)	Gamma Ray (30 60 90)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
116–118					Magothy	ML-SP		Pinkish Gray (7.5 YR 7/2) SILT and poorly graded subangular coarse Sand with trace iron nodules *(continued)*
118–122						ML		Pinkish Gray (7.5 YR 7/2) SILT with few poorly graded subangular coarse Sand with trace iron nodules
122–126						GP-SW		Light brown (7.5 YR 6/4) well graded fine to coars subrounded GRAVEL and well graded fine to coarse sudrounded Sand with trace iron nodules
126–130						GW		Light brown (7.5 YR 6/4) well graded fine to coars subrounded GRAVEL with few well graded fine to coarse sudrounded Sand and iron nodules
130–134						SW		Pale brown (10 YR 6/3) well graded fine to coars subrounded SAND with few well graded fine to coarse subrounded Gravel
134–140						SW		Pale brown (10 YR 6/3) well graded fine to coars subrounded SAND with trace well graded fine to coarse subrounded Gravel
140–146						SW		Pale brown (10 YR 6/3) well graded fine to coars subrounded SAND with trace well graded fine to coarse subrounded Gravel
146–150			< 0.50	< 0.50		SP		Yellowish brown (10 YR 5/4) poorly graded fine SAND with trace fine subangular Gravel and iron nodules
150–156						SP		Yellowish brown (10 YR 5/4) poorly graded fine SAND with trace fine subangular Gravel and iron nodules
156–162						SP		Yellowish brown (10 YR 5/4) poorly graded fine SAND with trace fine subangular Gravel and iron nodules
162–166						SM		Dark grayish brown (10 YR 4/2) Silty fine SAND
166–172						SP		Brown (10 YR 5/3) poorly graded medium SAND with trace iron nodules
172–176						ML-CL		Yellowish brown (10 YR 5/8) SILT with lean Clay and iron nodules

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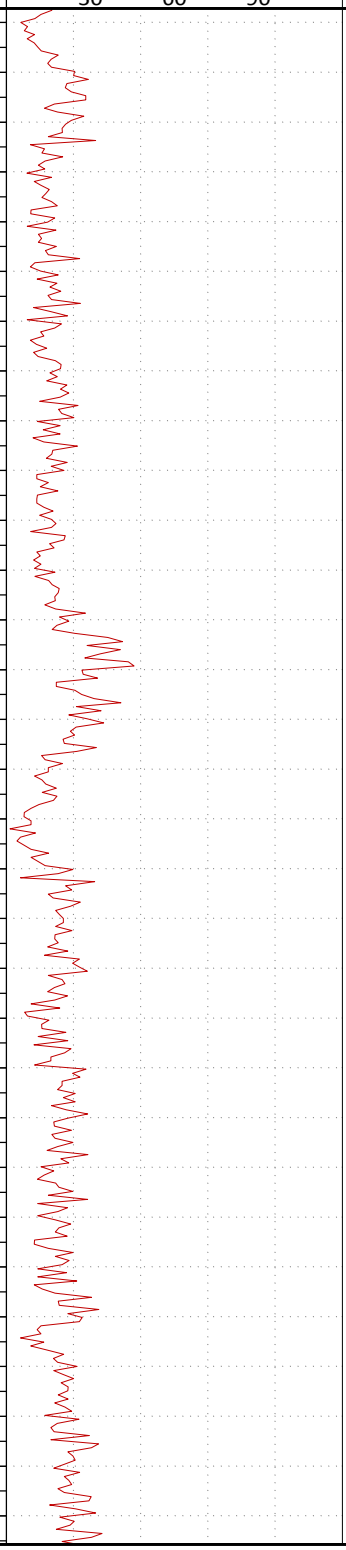
Resolution Consultants

Boring Log

BORING #: VPB159

Sheet 4 of 15



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	MATERIAL DESCRIPTION
178				Magothy		
180					CL-ML	Yellowish brown (10 YR 5/8) lean CLAY with Silt and few iron nodules
182						
184					SW-CL	Brownish yellow (10 YR 6/6) well graded fine to coarse subangular SAND with lean Clay
186						
188						
190					SW-CL	Brownish yellow (10 YR 6/6) well graded fine to coarse subangular SAND with lean Clay
192						
194					SM	Light yellowish brown (10 YR 6/4) Silty fine SAND with trace iron nodules
196						
198						
200					CL	Yellowish brown (10 YR 5/8) lean CLAY with some iron nodules
202						
204		170	5.5		SP-CL	Brown (10 YR 5/3) poorly graded fine SAND and lean Clay with trace iron nodules
206						
208						
210					SP-CL	Brown (10 YR 5/3) poorly graded fine SAND and lean Clay with trace iron nodules
212						
214					CL	Dark gray (10 YR 4/1) lean CLAY with some poorly graded medium Sand and trace iron nodules
216						
218						
220		100	3.4		CL	Dark gray (10 YR 4/1) lean CLAY with some poorly graded medium Sand and trace iron nodules
222						
224					CL	Dark gray (10 YR 4/1) lean CLAY with trace iron nodules
226						
228						
230					SM	Grayish brown (10 YR 5/2) Silty SAND with few fine lean Clay and iron nodules
232						
234					SM	Grayish brown (10 YR 5/2) Silty SAND with few fine lean Clay and iron nodules
236						
238						
		140	3.9		ML-CL	

(Continued Next Page)

DEPTH (ft)	Gamma Ray (30 60 90)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
240			140	3.9	Magothy			
242						ML-CL		Yellowish brown (10 YR 5/6) Clayey SILT with some medium Sand *(continued)*
244								
246						CL-ML		Grayish brown (10 YR 5/2) Silty CLAY with few medium Sand and trace iron nodules
248								
250						ML		Yellowish brown (10 YR 5/6) Sandy SILT
252								
254						ML		Dark yellowish brown (10 YR 4/4) Sandy SILT with some lean Clay
256								
258								
260			25	< 0.50		SP		Pale brown (10 YR 6/3) poorly sorted fine SAND with trace iron nodules
262								
264						SC		Pale brown (10 YR 6/3) Clayey fine SAND with trace iron nodules
266								
268								
270						SC		Pale brown (10 YR 6/3) Clayey fine SAND with trace iron nodules
272								
274						SW-SC		Yellowish brown (10 YR 5/4) well graded fine to coarse subangular SAND with few lean Clay and trace iron nodules
276								
278								
280			120	8.3		SP		Yellowish brown (10 YR 5/3) poorly graded fine SAND and some iron nodules
282								
284						SP		Yellowish brown (10 YR 5/3) poorly graded medium SAND and iron nodules
286								
288								
290						SP		Yellowish brown (10 YR 5/3) poorly graded medium SAND and iron nodules
292								
294						SP		Yellowish brown (10 YR 5/3) poorly graded medium SAND and iron nodules
296								
298								
300			18	1.5		SP		Yellowish brown (10 YR 5/4) poorly graded medium SAND with little iron nodules and trace Clay and lignite

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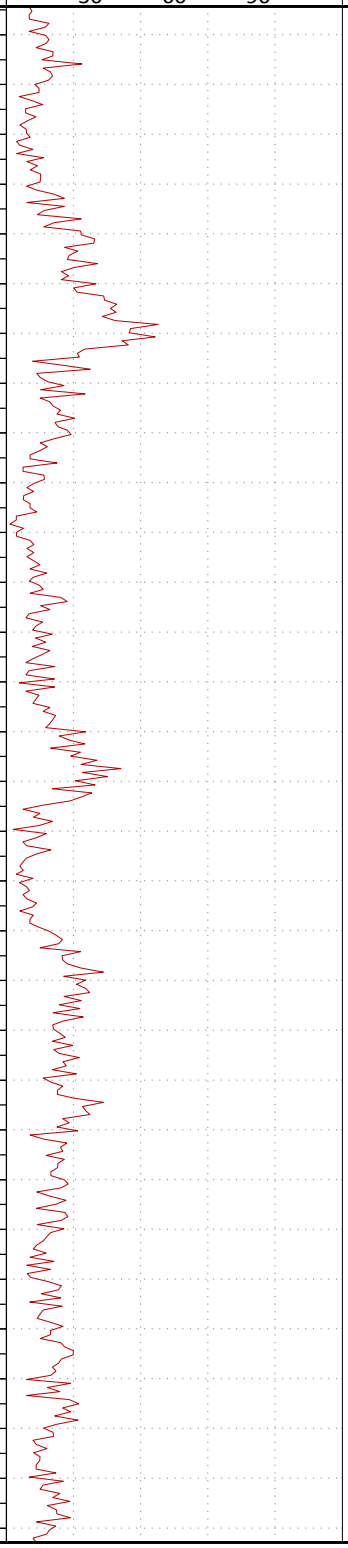
Resolution Consultants

Boring Log

BORING #: VPB159



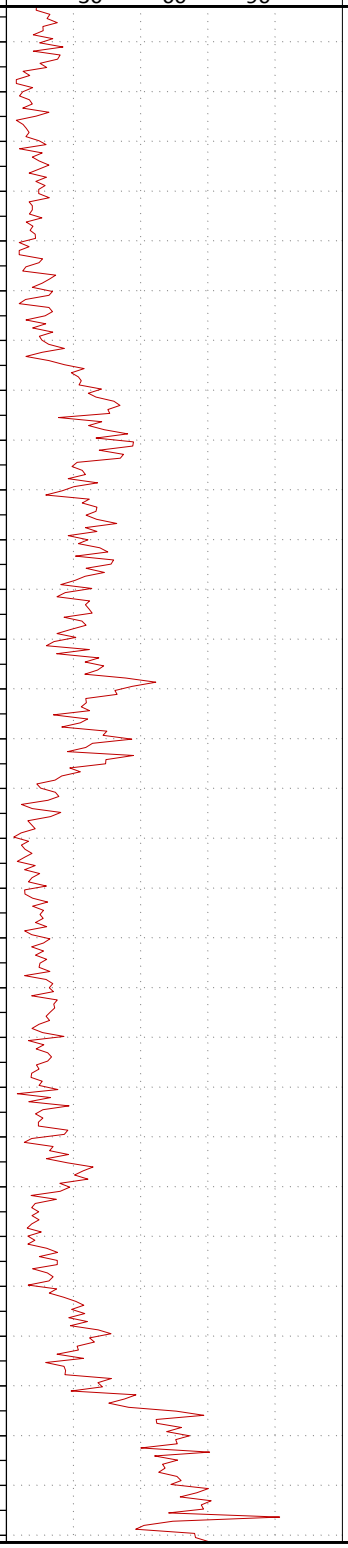
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
302				Magothy	SP		Yellowish brown (10 YR 5/4) poorly graded medium SAND with little iron nodules and trace Clay and lignite *(continued)*
304					SP		Yellowish brown (10 YR 5/4) poorly graded medium SAND with little iron nodules and trace Clay and lignite
306							
308							
310					OL-OH		Black (10 YR 2/1) organic soil with lignite
312							
314					OL-OH		Black (10 YR 2/1) organic soil with lignite
316							
318							
320		130	14		SP		Yellowish brown (10 YR 5/4) poorly graded medium SAND with trace lignite
322							
324					SC		Pale brown (10 YR 6/3) Clayey fine SAND with trace lignite
326							
328							
330					SP-SM		Yellowish brown (10 YR 5/4) poorly graded medium SAND with few Silt and trace lignite
332							
334					SP-SC		Yellowish brown (10 YR 5/4) poorly graded fine SAND with few Clay and trace lignite
336							
338							
340		210	9.8		SP		Yellowish brown (10 YR 5/6) poorly graded medium SAND with trace lignite
342							
344					SP		Yellowish brown (10 YR 5/6) poorly graded medium SAND with trace lean Clay and lignite
346							
348							
350					CL		Dark gray (10 YR 4/1) Sandy lean CLAY with trace iron nodules
352							
354					CL		Dark gray (10 YR 4/1) Sandy lean CLAY with trace iron nodules
356							
358							
360		49	7.6		SM		Dark gray (10 YR 4/1) Silty poorly graded fine SAND with trace clay and lignite
362							

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB159



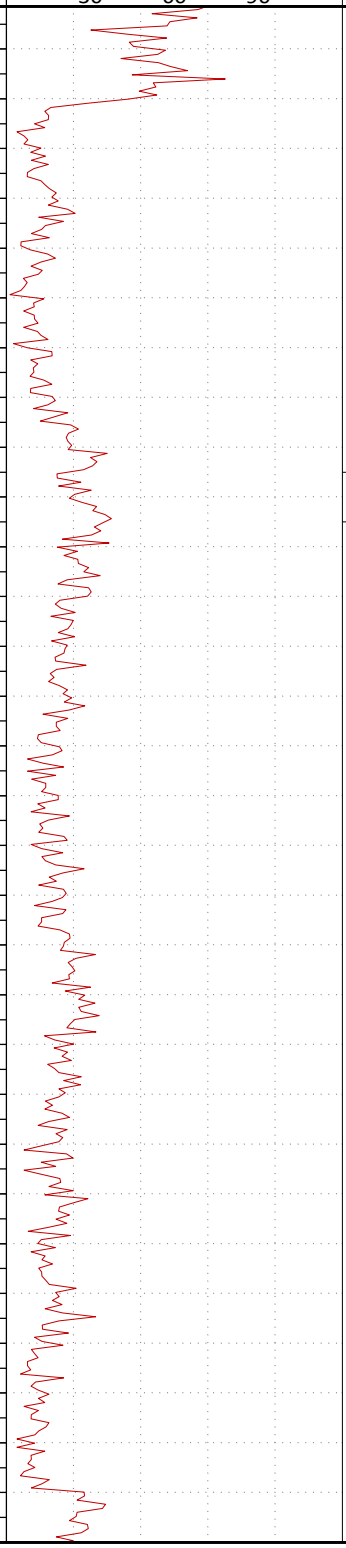
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
364				Magothy	SM		Dark gray (10 YR 4/1) Silty poorly graded fine SAND with trace lignite
366							
368							
370					SP-SM		Dark brown (10 YR 3/3) poorly graded fine SAND with few Silt and trace lignite
372							
374					SP		Dark yellowish brown (10 YR 4/4) poorly graded medium SAND with trace lignite
376							
378							
380		< 0.50	< 0.50		SP-SC		Dark grayish brown (10 YR 4/2) poorly graded medium SAND with few lean Clay and trace lignite
382							
384					CH		Very dark gray (10 YR 3/1) fat CLAY with trace Sand
386							
388							
390					CH		Very dark gray (10 YR 3/1) fat CLAY with trace Sand
392							
394					CL		Dark gray (10 YR 5/2) Sandy lean CLAY
396							
398							
400					SP		Yellowish brown (10 YR 5/4) poorly graded fine SAND with trace lean Clay and lignite
402							
404		20	0.46		SP-SC		Yellowish brown (10 YR 5/4) poorly graded medium SAND with few lean Clay and trace lignite
406							
408							
410					SP-SC		Dark grayish brown (10 YR 4/2) poorly graded medium SAND with few lean Clay and trace lignite
412							
414					SP-SC		Dark grayish brown (10 YR 4/2) poorly graded medium SAND with few lean Clay and trace lignite
416							
418							
420		2.5	< 2.0		CL		Dark gray (10 YR 4/1) Sandy lean CLAY
422							
424					CL		Dark gray (10 YR 4/1) Sandy lean CLAY

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB159



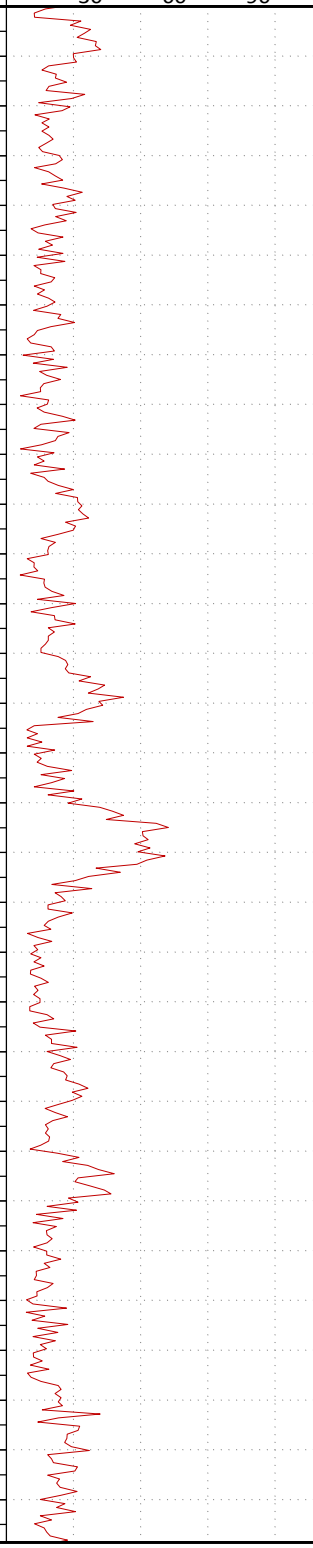
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
426				Magothy	CL		Dark gray (10 YR 4/1) Sandy lean CLAY *(continued)*
428							
430					SP		Brown (10 YR 5/3) poorly graded medium SAND with trace Clay and iron nodules
432							
434					SW		Brown (10 YR 5/3) well graded fine to coarse SAND with trace Clay and iron nodules
436							
438							
440		190	2.5		SP		Brown (10 YR 5/3) poorly graded medium SAND with trace lignite
442							
444	0				SP/CL		Light gray (10 YR 5/3) poorly graded fine SAND and lean Clay with iron banding
446							
448					ML		Dark gray (10 YR 4/1) Sandy SILT with trace iron nodules
450							
452							
454					CH		Gray (10 YR 6/1) Sandy SILT with trace iron nodules
456							
458							
460		310	7.0		SP		Dark yellowish brown (10 YR 4/4) poorly graded coarse subrounded SAND
462							
464					SP-SC		Dark gray (10 YR 4/1) poorly graded coarse subrounded SAND with few lean Clay and trace iron nodules
466							
468							
470					SP-SC		Brown (10 YR 5/3) poorly graded coarse subrounded SAND with few lean Clay and trace iron nodules
472							
474					SW		Brown (10 YR 5/3) well graded fine to coarse subangular SAND with trace lean Clay
476							
478							
480		140	3.1		SW		Very pale brown (10 YR 8/3) well graded fine to coarse subangular SAND
482							
484					CL		Light gray (10 YR 7/1) lean CLAY with few well graded fine to coarse subangular SAND
486							

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB159



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
486				Magothy	CL		Light gray (10 YR 7/1) lean CLAY with few well graded fine to coarse subangular SAND *(continued)*
488							
490					CL		Light gray (10 YR 7/1) Sandy lean Clay
492							
494					CL		Light gray (10 YR 7/1) Sandy lean Clay
496							
498					SW		Very pale brown (10 YR 8/3) well graded fine to coarse subangular SAND
500							
502							
504		330	2.8		SP		Brown (10 YR 5/3/) poorly graded fine SAND
506							
508					SC		Brown (10 YR 5/3) Clayey poorly graded fine SAND
510							
512					SC		Pale brown (10 YR 6/3) Clayey poorly graded fine SAND
514							
516							
518					SC		Light brownish gray (10 YR 6/2) clayey well graded medium to coarse subangular SAND with trace subangular fine Gravel
520		2.8	< 0.50				
522							
524					SW-SC		Light brownish gray (10 YR 6/2) well graded medium to coarse subangular SAND with few Clay and trace subangular fine Gravel
526							
528					SC		Light brownish gray (10 YR 6/2) Clayey poorly graded medium SAND
530							
532					SC		Light brownish gray (10 YR 6/2) clayey well graded medium to coarse subangular SAND with trace subangular fine Gravel
534							
536					SC		Light brownish gray (10 YR 6/2) clayey well graded medium to coarse SAND
538							
540					SW		Light brownish gray (10 YR 6/2) well graded medium to coarse SAND with trace lean Clay and fine subangular Gravel
542							
544		200	3.0				
546							

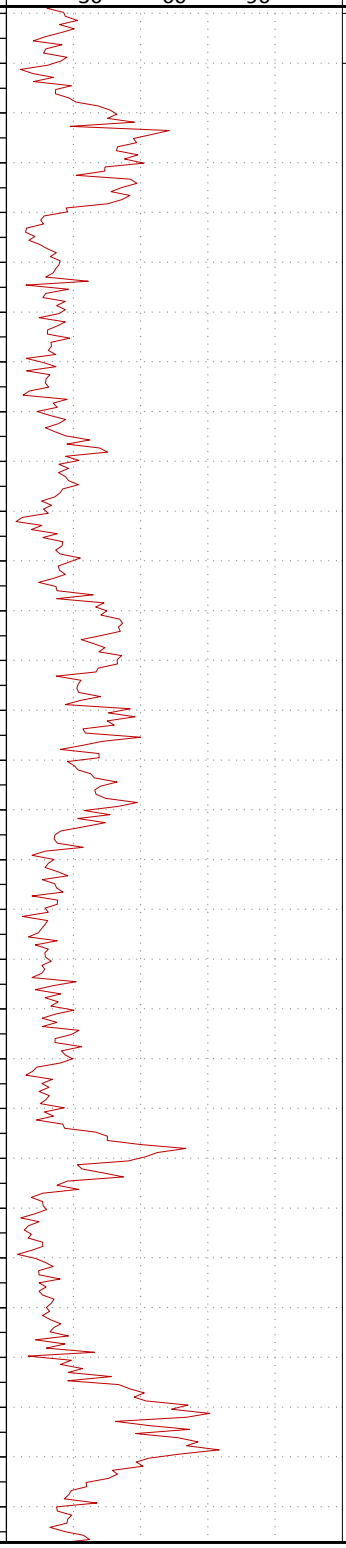
(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB159

Sheet 10 of 15



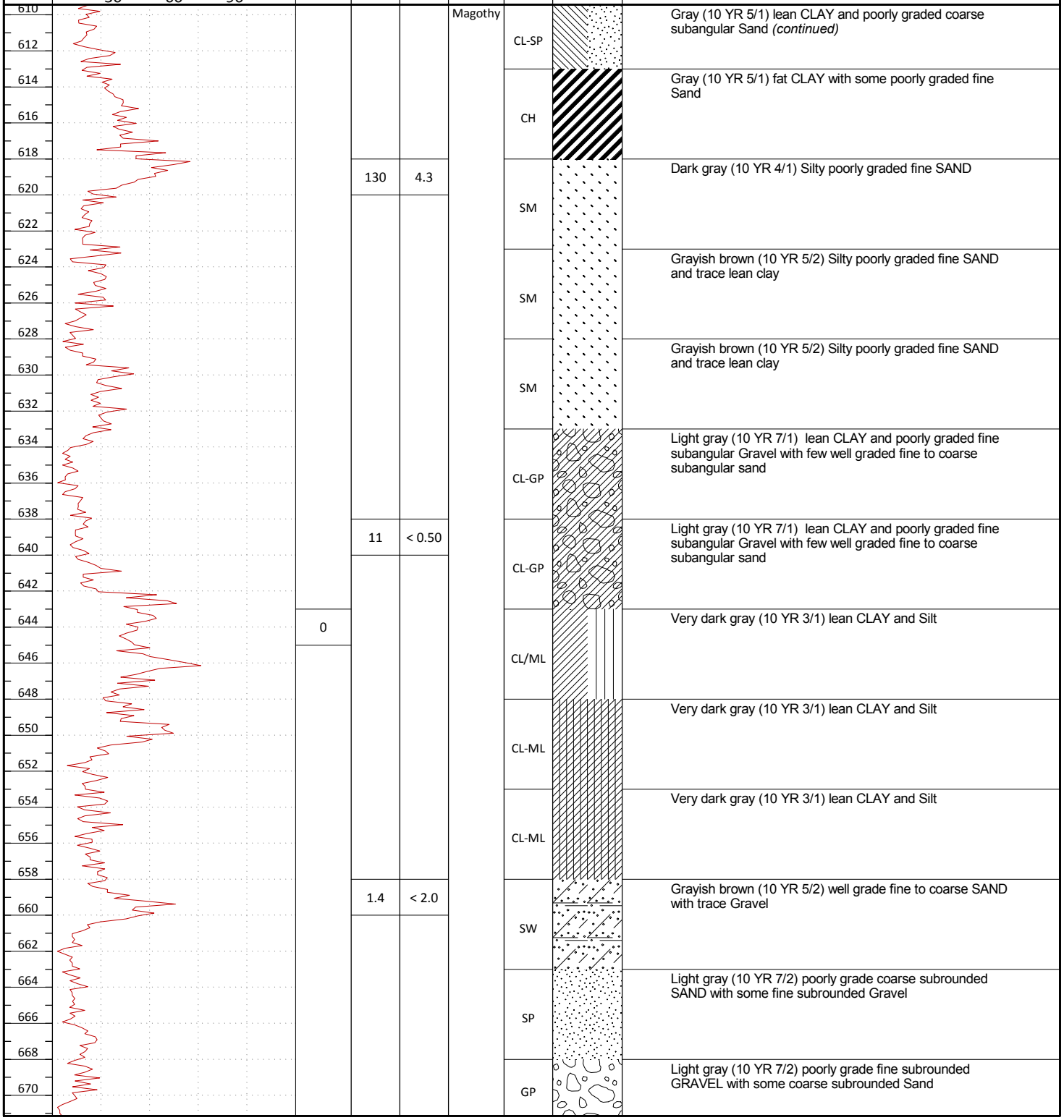
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
548							
550	0			Magothy	SP/CH		Light gray (10 YR 7/2) poorly graded fine SAND with fat CLAY and trace organic Clay
552							
554					SP/CH		Light gray (10 YR 7/2) poorly graded fine SAND with fat CLAY and trace organic Clay
556							
558							
560		640	15		SP		Light brownish gray (10 YR 6/2) poorly graded medium SAND
562							
564					SC		Light gray (10 YR 7/2) Clayey poorly graded medium SAND
566							
568							
570					SC		Light gray (10 YR 7/2) Clayey poorly graded medium SAND
572							
574							
576					SC		Gray (10 YR 6/1) Clayey poorly graded medium SAND
578							
580					CH-SP		White (10 YR 8/1) fat CLAY with poorly graded coarse subangular SAND
582							
584							
586					CH-SP		White (10 YR 8/1) fat CLAY with poorly graded coarse subangular SAND
588							
590		450	11		CH-SP		Light brownish gray (10 YR 6/2) fat CLAY and poorly graded medium Sand
592							
594					SC		Light brownish gray (10 YR 6/2) Clayey poorly graded medium SAND
596							
598							
600		120	3		GP		Gray (10 YR 6/1) poorly graded fine subangular GRAVEL with few well graded fine to coarse subangular Sand
602							
604							
606					CL-GP		Gray (10 YR 5/1) lean CLAY and poorly graded fine subangular Gravel with few well graded fine to coarse subangular sand
608							
					CL-SP		

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB159



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Resolution Consultants

Boring Log

BORING #: VPB159

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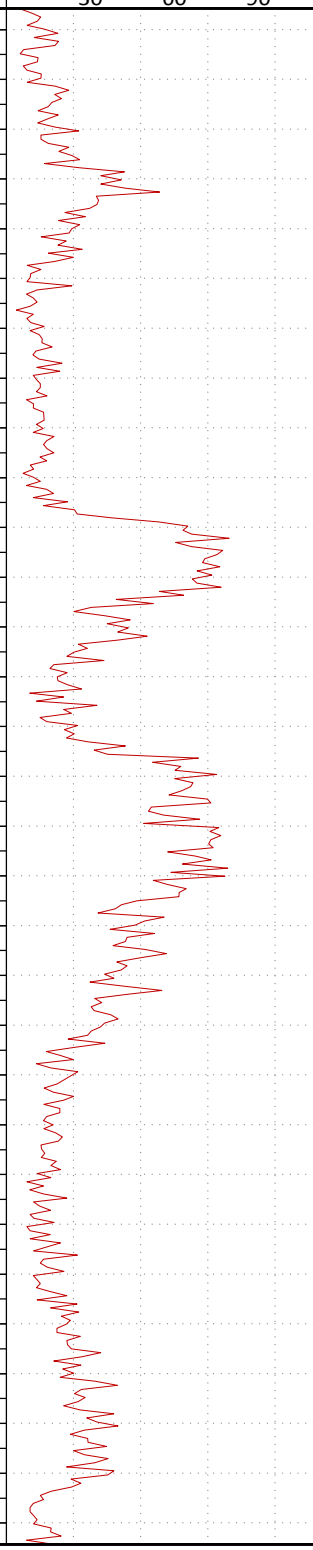


DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	MATERIAL DESCRIPTION
672				Magothy	GP	Light gray (10 YR 7/2) poorly grade fine subrounded GRAVEL with some coarse subrounded Sand *(continued)*
674					GP	Light gray (10 YR 7/2) poorly grade fine subrounded GRAVEL with some coarse subrounded Sand
676						
678						
680		74	3.1		SM	Grayish brown (10 YR 5/2) Silty poorly graded coarse subangular SAND with some fine subangular gravel
682						
684					SM	Light grayish brown (10 YR 6/2) Silty poorly graded coarse subangular SAND with few fine subangular gravel
686						
688						
690					SC	Light grayish brown (10 YR 6/2) Clayey poorly graded coarse subangular SAND with few fine subangular gravel
692						
694					SC	Light grayish brown (10 YR 6/2) Clayey poorly graded coarse subangular SAND with few fine subangular gravel
696						
698						
700		93	< 0.50		SW-CH	Brown (10 YR 5/3) well graded medium to coarse subrounded SAND and fat Clay
702						
704					CH	Grayish brown (10 YR 5/2) fat CLAY with few well graded medium to coarse subrounded Sand
706						
708						
710					CH	Grayish brown (10 YR 5/2) fat CLAY with little well graded medium to coarse subrounded Sand
712						
714					CH	Grayish brown (10 YR 5/2) fat CLAY with little well graded medium to coarse subrounded Sand
716						
718						
720		< 1.0	< 1.0		SP-SC	Light brownish gray (10 YR 6/2) poorly graded medium SAND with few lean Clay
722						
724	0				SP-CH	White (10 YR 8/1) poorly graded medium SAND with fat Clay
726						
728						
730					SP-CH	Light brownish gray (10 YR 6/2) poorly graded medium SAND with fat Clay
732						

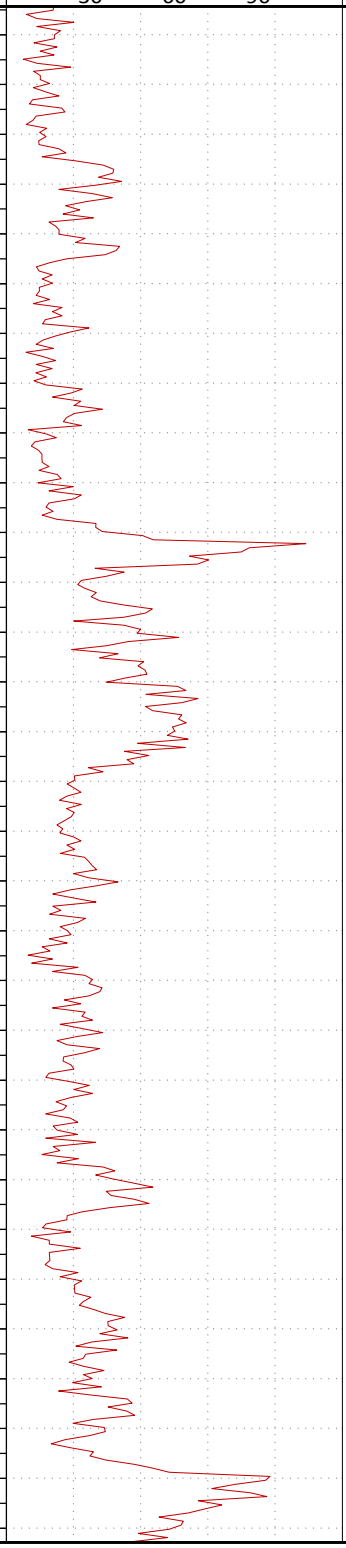
(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB159

Sheet 13 of 15



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
734				Magothy	CH		White (Gley 1 8/N) soft fat CLAY with medium to coarse subangular Sand
736							
738							
740		< 10	< 10		SP-CH		Light gray (Gley 1 7/N) poorly graded fine to medium SAND with soft lean Clay
742							
744					SP-CH		Light gray (Gley 1 7/N) poorly graded fine to medium SAND with soft lean Clay
746							
748					CH		Light gray (Gley 1 7/N) fine to medium Sandy soft fat CLAY
750							
752					CH		Light gray (Gley 1 7/N) fine to medium Sandy soft fat CLAY
754							
756					SC		Light brownish gray (10 YR 6/2) soft fat Clayey fine to medium subangular SAND
758							
760		< 25	< 25		SC		Light brownish gray (10 YR 6/2) soft fat Clayey fine to medium subangular SAND
762							
764					CH		Light brownish gray (10 YR 6/2) fine to medium subangular Sandy medium fat CLAY
766							
768					SC		Light brownish gray (10 YR 6/2) soft fat Clayey fine to medium subangular SAND
770							
772					CL		Brown (10 YR 5/3) lean CLAY
774							
776					CL		White (10 YR 8/1) lean CLAY
778							
780		< 0.50	< 0.50		CL		White (10 YR 8/1) lean CLAY
782							
784					CL		
786							
788							
790							
792							
794							

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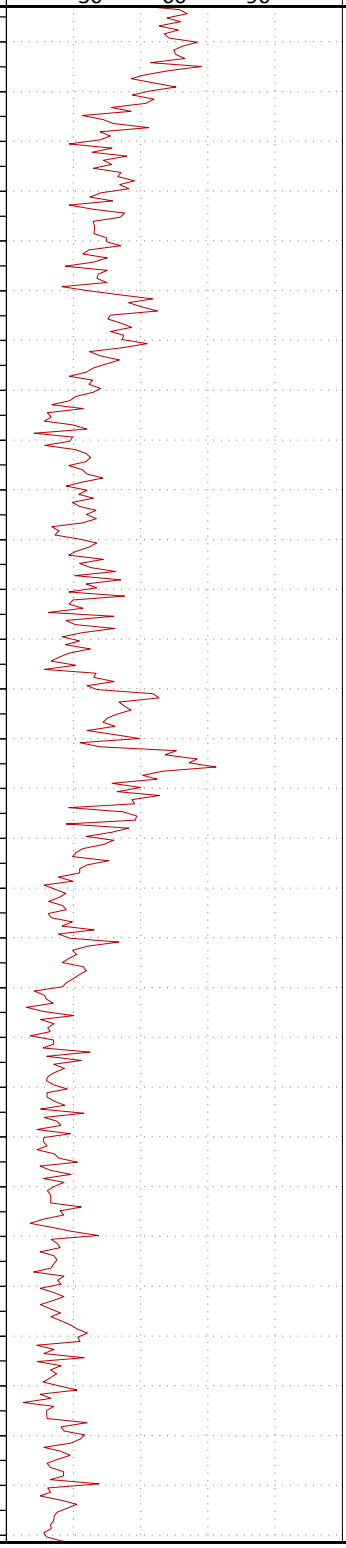
Resolution Consultants

Boring Log

BORING #: VPB159

Sheet 14 of 15



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
796				Magothy	CL		Dark gray (10 YR 4/1) lean CLAY with trace poorly graded fine Sand *(continued)*
798							
800		< 1.0	< 1.0		CL		Gray (10 YR 5/1) lean CLAY with trace poorly graded fine Sand
802							
804					CL		Gray (10 YR 6/1) lean CLAY
806							
808					CL		Gray (10 YR 6/1) lean CLAY with trace poorly graded fine Sand
810							
812					ML-CL		Gray (10 YR 6/1) clayey SILT with few poorly graded fine Sand
814							
816							
818					ML		Dark gray (10 YR 4/1) SILT with few poorly graded fine Sand and lean clay
820		< 4.0	< 4.0				
822							
824					CL		Gray (10 YR 5/1) lean CLAY with few poorly graded fine Sand
826							
828					CL		Gray (10 YR 5/1) lean CLAY
830							
832					ML-CL		Dark gray (10 YR 4/1) SILT and lean Clay
834							
836							
838					CL-SP		Grayish brown (10 YR 5/2) lean CLAY with poorly graded medium Sand
840		< 0.50	< 0.50				
842							
844					SM		Grayish brown (10 YR 5/2) Silty poorly graded medium Sand with traace lean clay
846							
848							
850					SP		Grayish brown (10 YR 5/2) poorly graded medium SAND with trace Silt and lignite
852							
854							
856					SP-CL		Gray (10 YR 6/1) poorly graded medium SAND with lean Clay

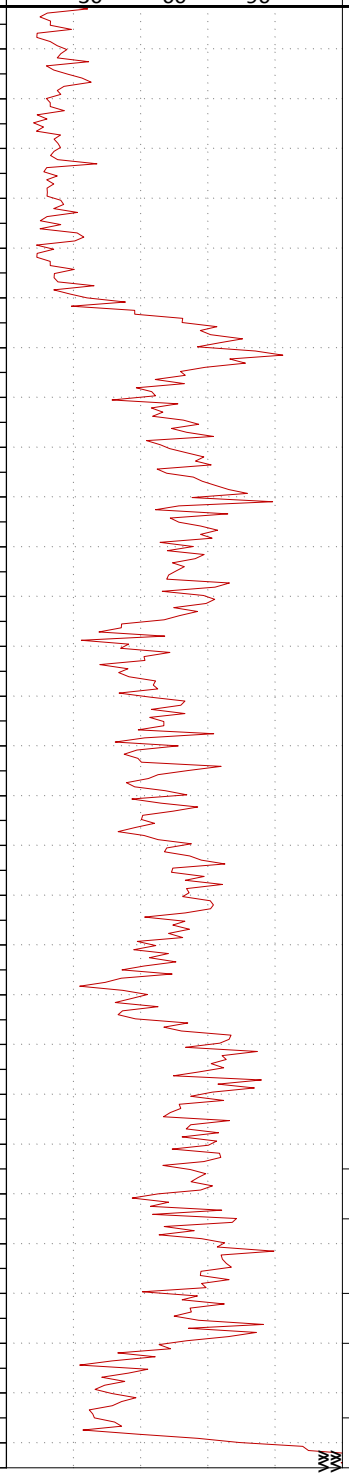
(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB159

Sheet 15 of 15



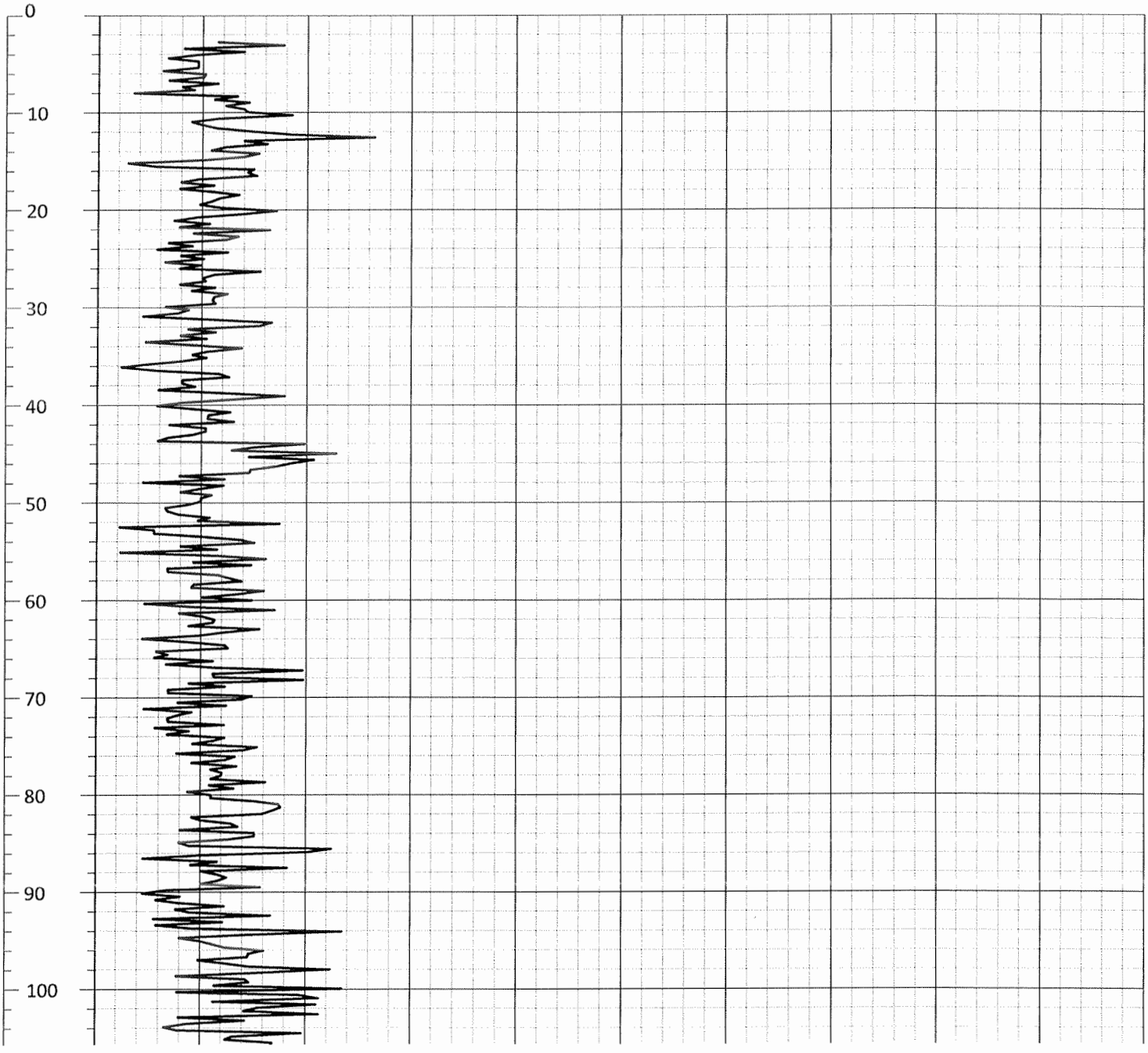
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
858				Magothy	SP-CL		
860		< 2.0	< 2.0		ML		Grayish brown (10 YR 5/2) poorly graded fine Sandy SILT
862							
864					ML		Gray (10 YR 5/1) poorly graded fine Sandy SILT with trace fine angular gravel
866							
868							
870					GM		Gray (10 YR 5/1) Silty fine angular GRAVEL
872							
874					CH-GP		Gray (10 YR 6/1) fat CLAY with fine angular Gravel
876							
878							
880					CH-GP		Gray (10 YR 6/1) fat CLAY with fine angular Gravel
882							
884		< 2.0	< 2.0		CL-SP		Dark gray (10 YR 4/1) lean CLAY with poorly graded medium Sand
886							
888							
890					CL		Dark gray (10 YR 4/1) poorly graded fine Sandy lean CLAY
892							
894					CL		Dark gray (10 YR 4/1) lean CLAY with few poorly graded fine Sand and silt
896							
898							
900					CL		Gray (10 YR 5/1) lean CLAY with trace poorly graded fine Sand
902							
904	0			Raritan	CH		Mottled red (2.5 YR 4/8) and gray (10 YR 5/1) fat CLAY with lamination
906							
908							
910	0				CH		Mottled red (2.5 YR 4/8) and gray (10 YR 5/1) fat CLAY with lamination
912							
914	0				CH		Mottled red (2.5 YR 4/8) and gray (10 YR 5/1) fat CLAY with lamination

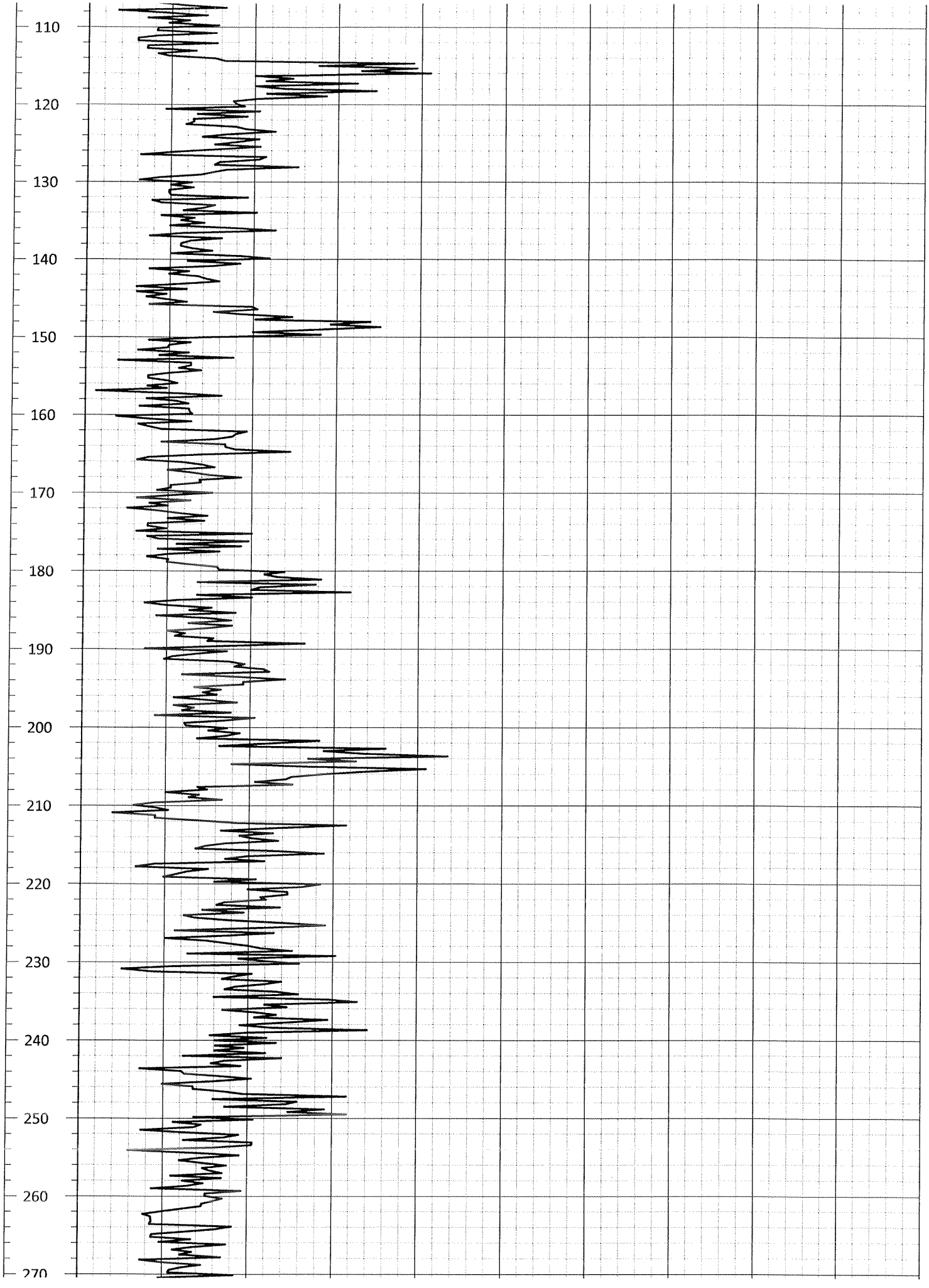
End of boring at 915.0 ft. bgs.

DOWN

COMPANY:	DELTA WELL & PUMP CO., INC.
LOCATION:	DIANNE STREET
Well: VPB-159	Depth Driller:
	Depth Logger:
Date: 07/17/2015 Time:	Logged by: CMO
File Name: 739	Witness: VINCE

Depth (ft.)	0.0	GAMMA (cps)	100.0

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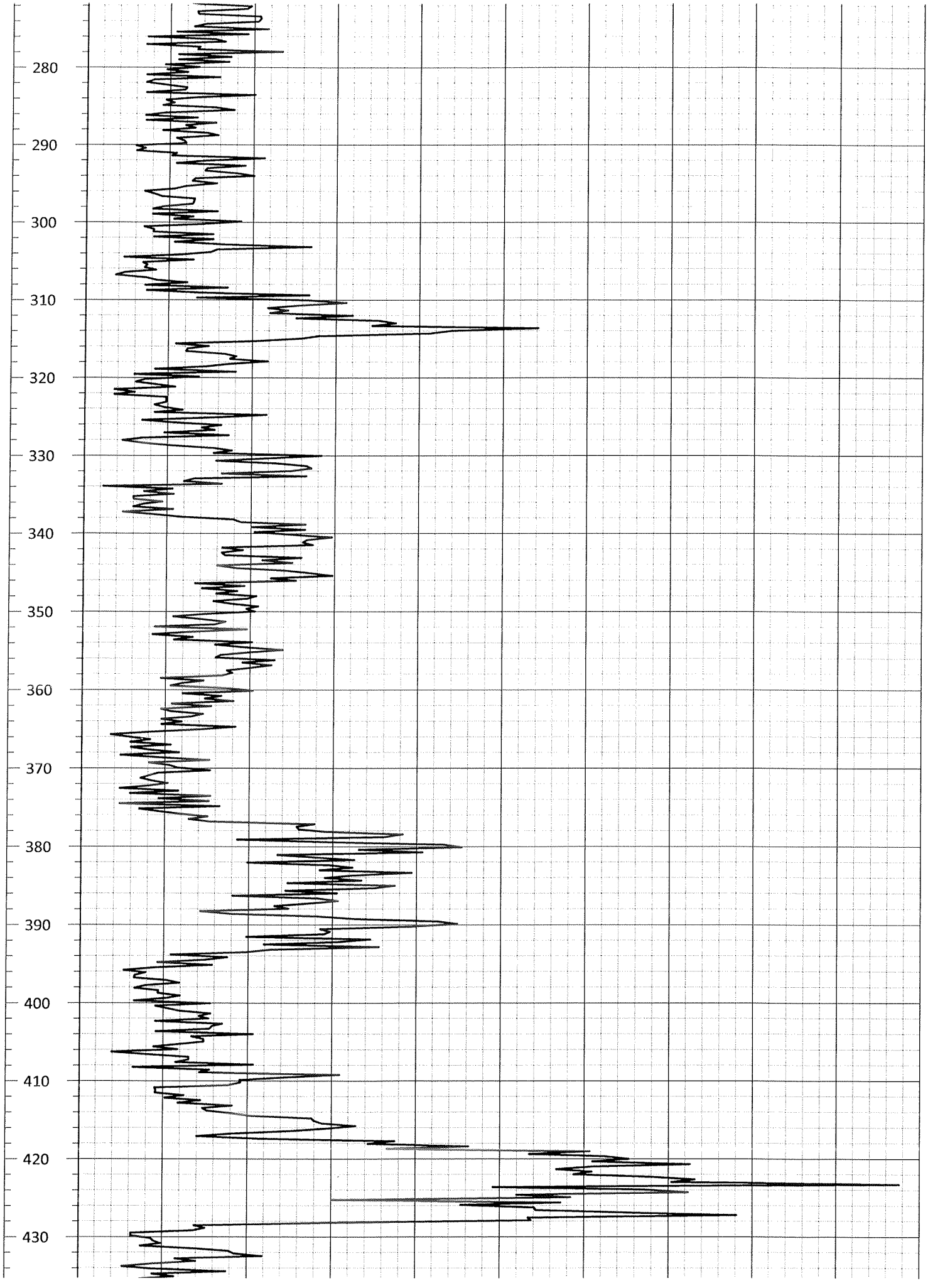
260
270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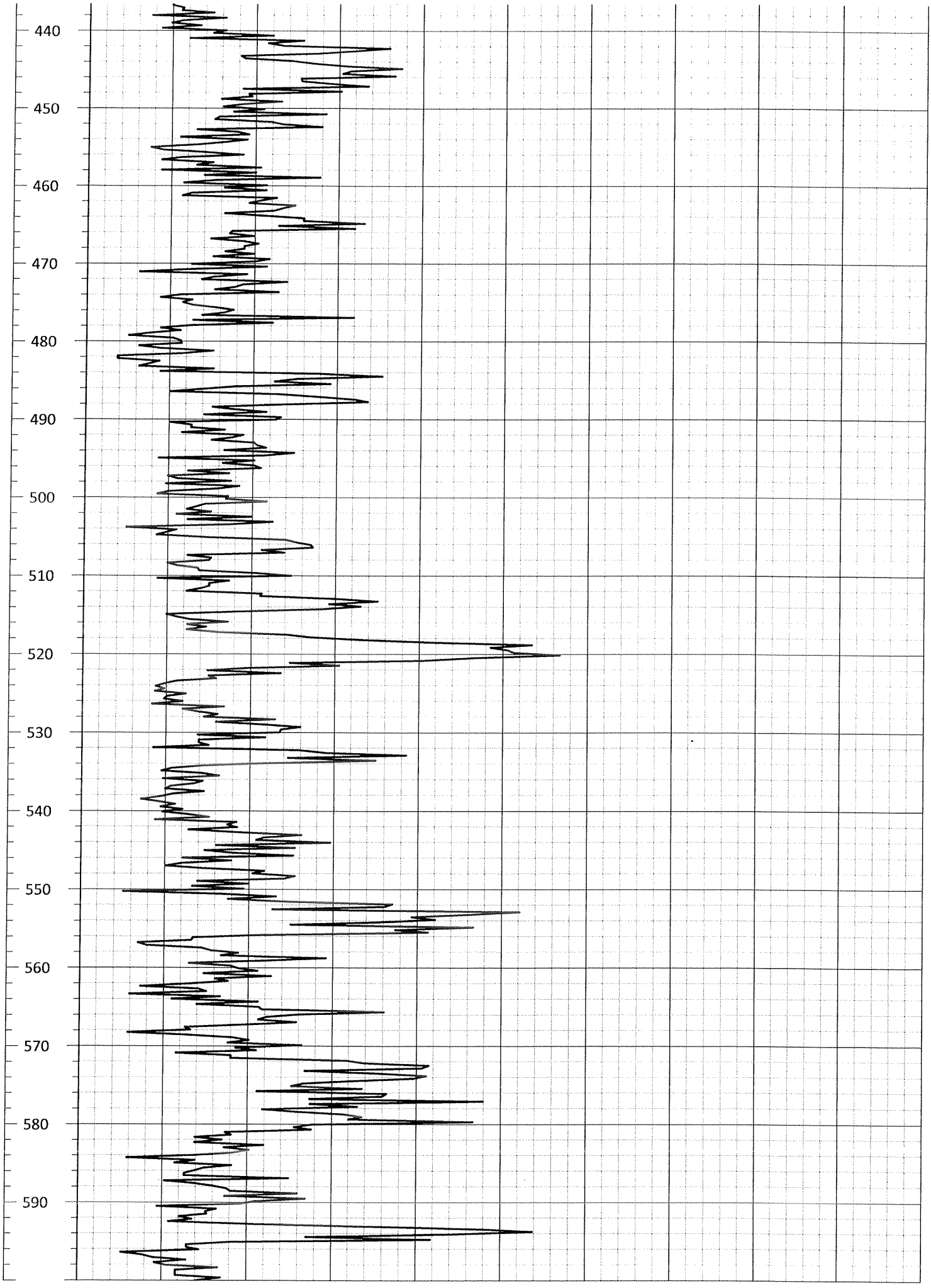
430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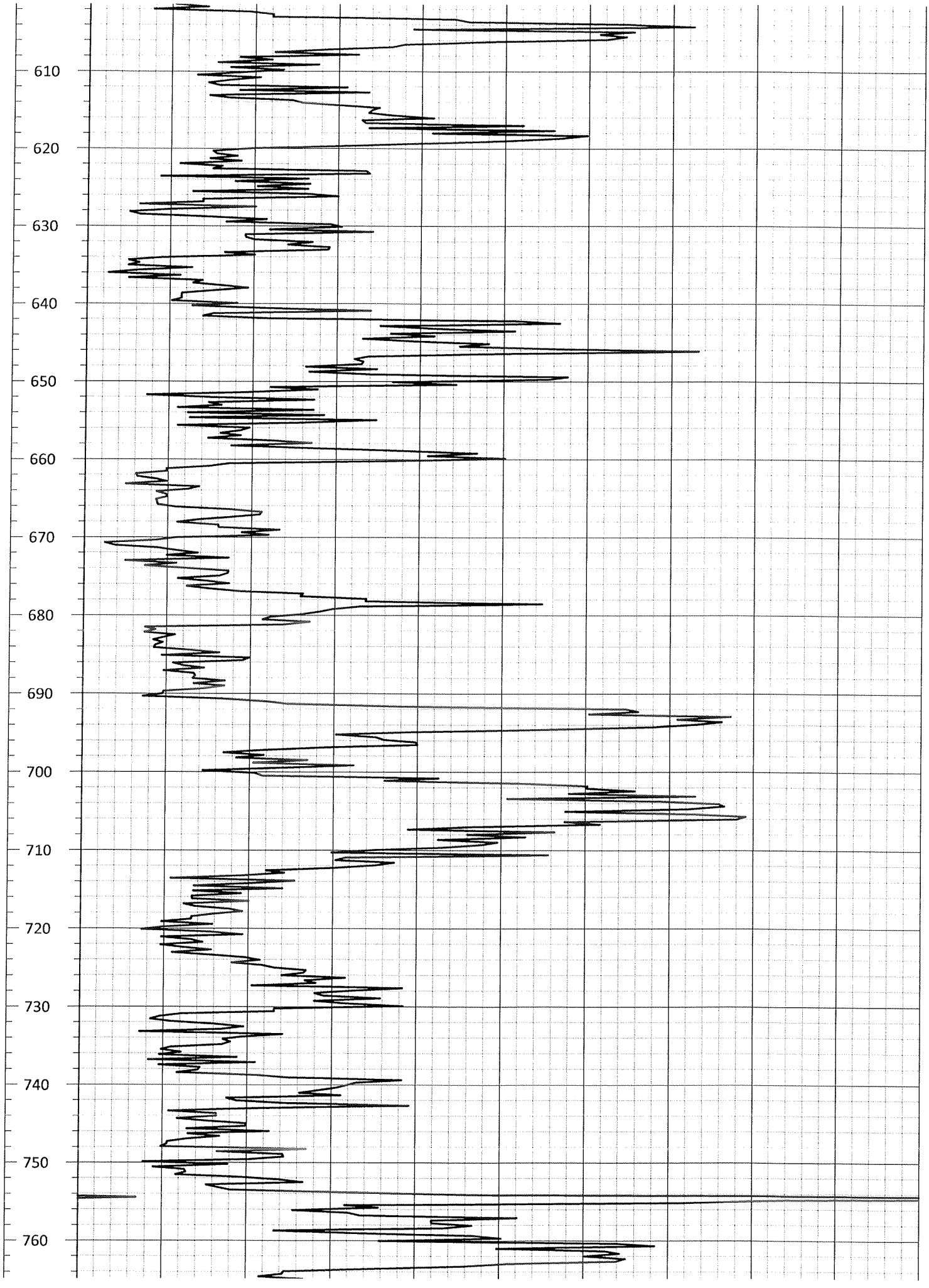
590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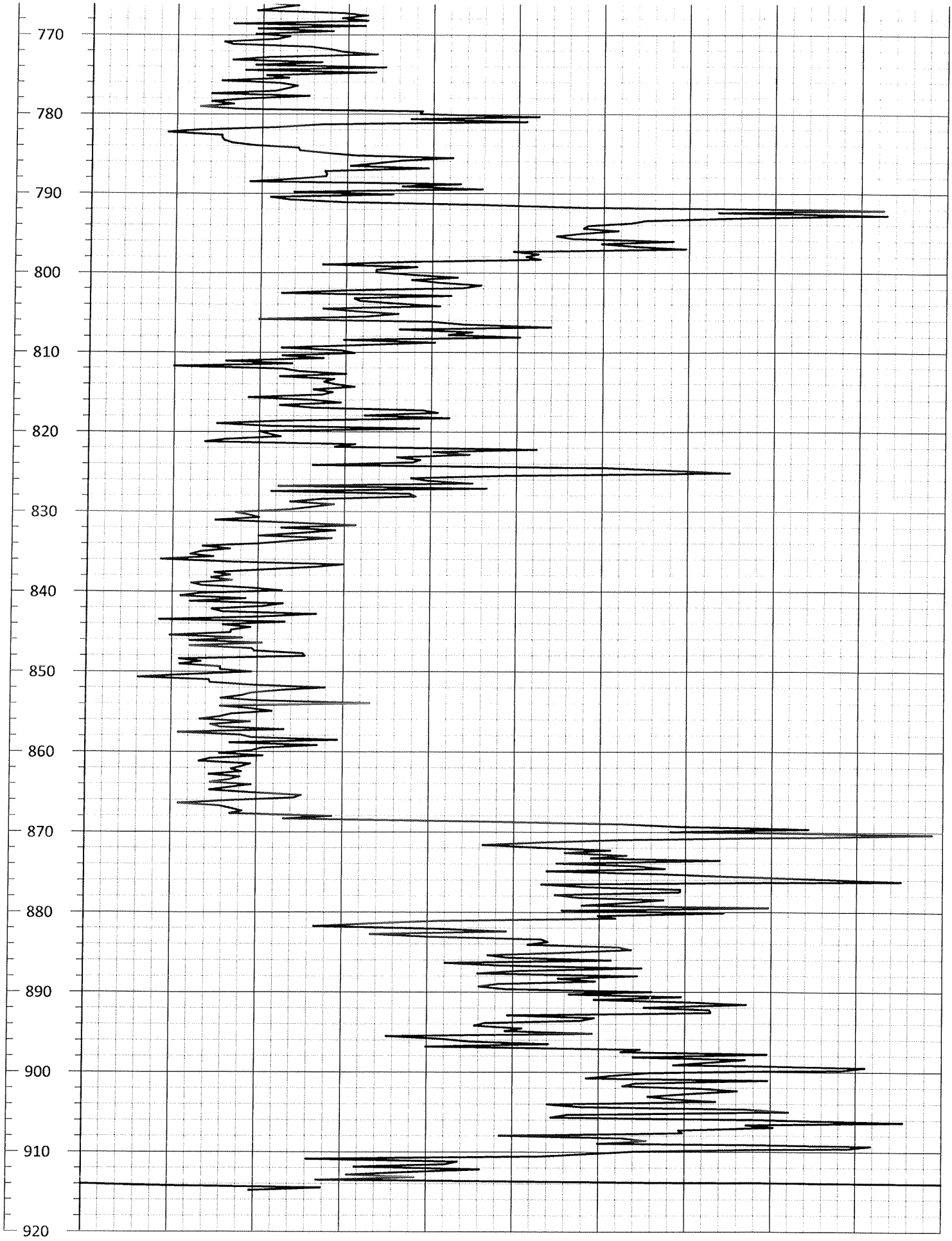
730
740
750
760

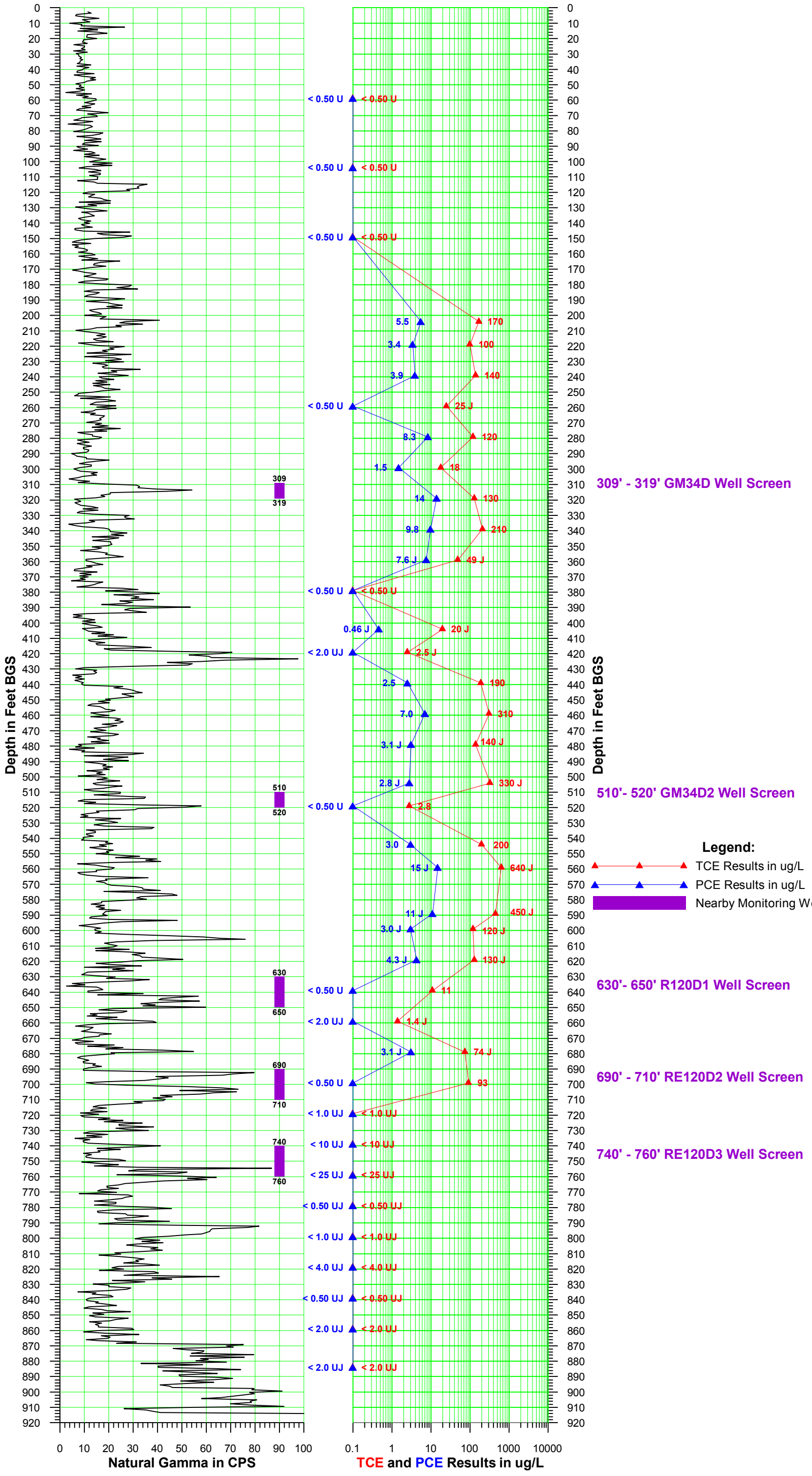

770
780
790
800
810
820
830
840
850
860
870
880
890
900
910
920

Depth (ft.)	0.0	GAMMA (cps)	100.0

Section 2

VPB159 Gamma and PCE/TCE Plot

Vertical Profile Boring VPB-159
Downward Run - July 17, 2015
Validated Analytical Data



309' - 319' GM34D Well Screen

510'- 520' GM34D2 Well Screen

630'- 650' R120D1 Well Screen

690' - 710' RE120D2 Well Screen

740' - 760' RE120D3 Well Screen

Legend:

TCE Results in ug/L

PCE Results in ug/L

Nearby Monitoring Well Screen

Section 3

VPB159 Groundwater Sample Log Sheets

Hydropunch Sample

Client: Navy (ResCon)
Project No: 60266526
Site Location: VPB-159
Weather Conds:

Date: 6/18
VPB: 159
Collector(s): V. Vanniello

Sample Date	Time	Temp (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth(ft)	Ending depth(ft)	Color
6/18/15	1335	21.3	7.35	261.7	6.08	87.1	335.9	58	60	Light brown
6/19/15	1230	24.4	7.71	232.8	1.95	72.4	288.7	103	105	Lt. brown
6/25/15	945	23.1	7.51	540	2.20	63.7	400.>	148	150	lt. brown
6/22/15	1415	27.0	6.18	187.6	1.71	76.2	859.7	203	205	Brown
6/24/15	940	22.3	6.26	414	2.74	22.9	656.4	218	220	lt. brown
6/24/15	1135	23.2	6.06	329.5	3.12	42.2	762.3	238	240	lt. brown
6/24/15	1315	25.3	6.42	264.7	1.48	68.7	71100	258	260	lt. brown
6/25/15	935	21.7	6.44	310.5	0.70	41.3	71100	278	280	lt. brown
6/25/15	1125	25.4	7.27	509	1.03	76.3	71100	298	300	DK. brown
6/25/15	1340	22.7	6.57	218.4	1.91	18.8	965.3	318	320	lt. brown
6/25/15	1520	23.2	6.50	219.1	2.29	14.7	784.3	338	340	lt. brown
6/26/15	1000	20.6	6.84	284.1	3.22	42.1	>1100	358	360	lt. brown
6/26/15	1145	22.3	6.10	152.7	2.29	70.8	630.1	378	380	lt. brown
6/29/15	940	18.4	7.66	591	5.98	98.2	71100	403	405	DK. brown
6/29/15	1130	NOT ENOUGH RECOVERY						—	—	—
6/29/15	1340	20.5	7.55	161.4	2.95	31.2	563.4	438	440	lt. brown
6/30/15	935	20.4	6.98	167.2	3.50	44.2	667.4	458	460	lt. brown
6/30/15	1140	22.3	7.03	201.5	4.57	24.2	71100	478	480	lt. brown
6/30/15	1515	23.0	6.56	186.8	3.45	42.9	71100	503	505	DK. brown
7/1/15	950	NOT ENOUGH RECOVERY						518	520	—
7/1/15	1340	NOT ENOUGH RECOVERY						543	545	—
7/2/15	945	19.3	7.72	195.0	2.77	19.3	744.9	558	560	lt. brown

Hydropunch Sample

Client: Navy (ResCon)
Project No: 60266526
Site Location: VPB-159
Weather Conds:

Date :
VPB: 159
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
7/6/15	1000	19.6	7.24	284.9	0.64	18.7	71100	588	590	Brown
7/6/15	1205	20.7	7.33	127.2	1.57	24.4	655.2	578	600	lt. brown
7/6/15	1415	21.8	7.34	114.8	2.11	56.6	766.5	618	620	lt. brown
7/7/15	945	19.9	7.53	111.1	1.34	23.6	615.9	638	640	lt. brown
7/7/15	1250	20.5	7.31	664	0.26	14.3	71100	658	660	Dk. brown
7/7/15	1515	22.0	7.57	141.4	1.24	8.3	279.3	678	680	lt. brown
7/9/15	1120	19.6	7.91	71.3	1.71	109.1	747.6	698	700	lt. brown
7/9/15	1340	- Not Enough RECOVERY					—	718	720	Dk. brown
7/10/15	1005	- Not enough recovery					—	738	740	brownish gray
7/10/15	1215	20.9	7.84	93.7	2.08	19.1	>1,100	758	760	brownish gray
MS/MSD * 7/10/15	1425	21.4	7.42	128.4	2.14	25.7	491.3	778	780	cloudy
7/13/15	1125	20.9	5.04	276.6	2.52	50.5	71100	798	800	brown
7/13/15	1350	20.1	7.63	649	2.56	71.6	71100	818	820	brown
7/14/15	1005	19.4	8.14	196.4	1.17	35.7	719.5	838	840	~~lt.~~ Lt. gray/brown
7/14/15	1285	19.0	7.47	655	2.35	62.9	>1,100	858	860	Dk. brown
7/15/15	1020	Not ENOUGH RECOVERY					—	883	885	Dk. brown

Section 4

VPB159 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:	SI4339	
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: 09/03/2015
Reviewed by:	Tina Cantwell/Resolution Consultants	File Name: SI4339_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 18 June 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
VPB159-GW-061815-58-60	Groundwater	8260C
VPB159-TB-061815	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), 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
✓	Laboratory blanks/trip blanks
✓	Surrogate spike recoveries
NA	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. 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. 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

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 continuing calibration verification standard method percent difference or percent drift (%Ds) and response factor acceptance criteria were met; and
- 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

ICV non-conformances are summarized in Attachment A in Table's A-1.

Qualifications Actions

The data was reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation (LOQ) 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-targets was checked to confirm that the results and/or sample-specific LOQs 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. Environmental Protection Agency 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 Table
Attachment B: Qualifier Codes and Explanations
Attachment C: Reason Codes and Explanations
Attachment D: Final Results after Data Review

Attachment A
Non-Conformance Summary Table

Table A-1
Initial Calibration Verification Non-Conformance

Method	Analyte	ICV ID	%R	Limit	Associated Samples	Qualifier
8260C	Chloroethane	P1539A	127.5	80-120	All samples in SDG	All associated non-detect results for analyte were qualified as estimated (UJ).

Notes:
ICV = Initial calibration verification
%R = Percent recovery
SDG = Sample delivery group
UJ = Non-detect 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
bt	Trip blank contamination
c	Calibration issue
d	Reporting limit raised due to chromatographic interference
fd	Field duplicate RPDs
h	Holding times
i	Internal standard areas
k	Estimated Maximum Possible Concentration (EMPC)
l	LCS or OPR recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Method compliance non-conformance
md	Matrix spike/matrix spike duplicate RPDs
nb	Negative laboratory blank contamination
p	Chemical preservation issue
r	Dual column RPD
q	Quantitation issue
s	Surrogate recovery
su	Ion suppression
t	Temperature preservation issue
x	Percent solids
y	Serial dilution results
z	ICS results

Attachment D
Final Results after Data Review

		Sample Delivery Group		SI4339		
		Lab ID		SI4339-1		
		Sample ID		VPB159-GW-061815-58-60		
		Sample Date		6/18/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	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	2.8	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	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		SI4339		
		Lab ID		SI4339-2		
		Sample ID		VPB159-TB-061815		
		Sample Date		6/18/2015		
		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	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	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifier (Refer to Attachment B)
RC = Reason code (Refer to Attachment C)

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	SI4557	
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: 09/03/2015
Reviewed by:	Tina Cantwell/Resolution Consultants	File Name: SI4557_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 24 and 25 June 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
VPB159-GW-062415-218-220	Groundwater	8260C
VPB159-GW-062415-238-240	Groundwater	8260C
VPB159-GW-062415-258-260	Groundwater	8260C
VPB159-GW-062515-278-280	Groundwater	8260C
VPB159-GW-062515-298-300	Groundwater	8260C
VPB159-GWD-062515	Field Duplicate	8260C
VPB159-GW-062515-318-320	Groundwater	8260C
VPB159-GW-062515-338-340	Groundwater	8260C
VPB159-TB-062415	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), 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
✓	Gas chromatography/mass spectrometer performance checks
✗	Initial calibration verification/continuing calibration verification
✓	Laboratory blanks/trip blanks
✓	Surrogate spike recoveries
✗	Matrix spike (MS) and/or matrix spike duplicate (MSD) 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

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 initial calibration verification (ICV) standard percent recovery acceptance criteria were met;

- the continuing calibration verification standard method percent difference or percent drift (%Ds) and response factor acceptance criteria were met; and

- the retention time method acceptance criteria were met.

Data qualification to the analytes associated with the specific initial calibration verification (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

ICV non-conformances are summarized in Attachment A in Table A-1.

Matrix Spike/Matrix Spike Duplicate 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 recovery control limits could indicate a potential high result bias while %Rs below the recovery 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. Non-conformances are summarized in Attachment A in Table's A-2 and A-3. 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% $\leq$ %R < Lower Limit	J	UJ
%R <20%	J	Rejected
RPD>Upper Limit	J	No qualification
The MS/MSD recovery control limits do not apply for the MS/MSD performed on sample locations where the analyte concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.		

Notes:

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

Qualifications Actions

The data was reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation (LOQ) 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-targets was checked to confirm that the results and/or sample-specific LOQs 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. Environmental Protection Agency 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 Table
Attachment B: Qualifier Codes and Explanations
Attachment C: Reason Codes and Explanations
Attachment D: Final Results after Data Review

Attachment A
Non-Conformance Summary Table

Table A-1
Initial Calibration Verification Non-Conformance

Method	Analyte	ICV ID	%R	Limit	Associated Samples	Qualifier
8260C	CHLOROETHANE	P1539A	127.5	80-120	All samples in sample delivery group	All associated non-detect results for analyte were qualified as estimated (UJ).

Notes:
ICV = Initial calibration verification
%R = Percent recovery
UJ = Non-detect estimated value

Table A-2
Matrix Spike/Matrix Spike Duplicate Non-Conformance

Spiked Sample	Analyte	Sample Result (µg/L)	Spike Added	MS %R	MSD %R	%R Limits	Qualifier
VPB159-GW-062415-258-260	ETHYLBENZENE	<0.50	50.0	**61.8**	96	75-125	UJ
VPB159-GW-062415-258-260	STYRENE	<0.50	50.0	**64.2**	101	65-135	UJ
VPB159-GW-062415-258-260	CIS-1,3-DICHLOROPROPENE	<0.50	50.0	**60.4**	98.4	70-130	UJ
VPB159-GW-062415-258-260	1,4-DICHLOROBENZENE	<0.50	50.0	**60**	93.4	75-125	UJ
VPB159-GW-062415-258-260	1,2-DIBROMOETHANE	<0.50	50.0	**60.4**	95.4	80-120	UJ
VPB159-GW-062415-258-260	1,2-DICHLOROETHANE	<0.50	50.0	**67.6**	104	70-130	UJ
VPB159-GW-062415-258-260	M- AND P-XYLENE	<1.0	100	**64.6**	99.5	75-130	UJ
VPB159-GW-062415-258-260	TOLUENE	<0.50	50.0	**59.8**	95.6	75-120	UJ
VPB159-GW-062415-258-260	CHLOROBENZENE	<0.50	50.0	**62.8**	95.2	80-120	UJ
VPB159-GW-062415-258-260	CYCLOHEXANE	<0.50	50.0	**66**	101	71-133	UJ
VPB159-GW-062415-258-26	1,2,4-TRICHLOROBENZENE	<0.50	50.0	**59.2**	93.6	65-135	UJ
VPB159-GW-062415-258-26	XYLENES, TOTAL	<1.5	150	**64.3**	99.3	89-116	UJ
VPB159-GW-062415-258-26	CIS-1,2-DICHLOROETHENE	1.6	50.0	**56.2**	84.8	70-125	J
VPB159-GW-062415-258-26	1,2-DICHLOROETHENE, TOTAL	1.6	100	**60.4**	93.8	84-121	J
VPB159-GW-062415-258-26	1,3-DICHLOROBENZENE	<0.50	50.0	**60.4**	94	75-125	UJ
VPB159-GW-062415-258-260	CHLOROFORM	0.43	50.0	**61.1**	96.1	65-135	J
VPB159-GW-062415-258-260	BENZENE	<0.50	50.0	**61**	96.4	80-120	UJ
VPB159-GW-062415-258-260	CHLOROETHANE	<1.0	50.0	**56.2**	104	60-135	UJ
VPB159-GW-062415-258-260	BROMOFORM	<0.50	50.0	**67.4**	102	70-130	UJ
VPB159-GW-062415-258-260	BROMODICHLOROMETHANE	<0.50	50.0	**62.6**	100	75-120	UJ
VPB159-GW-062415-258-260	1,1-DICHLOROETHANE	1.6	50.0	**66**	101	70-135	J
VPB159-GW-062415-258-260	1,1-DICHLOROETHENE	0.83	50.0	**66.1**	101	70-130	J
VPB159-GW-062415-258-260	1,2-DICHLOROPROPANE	<0.50	50.0	**60**	95	75-125	UJ
VPB159-GW-062415-258-260	1,1,2-TRICHLOROETHANE	<0.50	50.0	**58.8**	92.4	75-125	UJ
VPB159-GW-062415-258-260	TRICHLOROETHENE	25	50.0	**60.4**	92.8	70-125	J
VPB159-GW-062415-258-260	1,1,2,2-TETRACHLOROETHANE	<0.50	50.0	**59.6**	91.6	65-130	UJ
VPB159-GW-062415-258-260	O-XYLENE	<0.50	50.0	**63.8**	98.6	80-120	UJ
VPB159-GW-062415-258-260	1,2-DICHLOROBENZENE	<0.50	50.0	**59.4**	96.4	70-120	UJ
VPB159-GW-062415-258-260	ISOPROPYLBENZENE	<0.50	50.0	**65.4**	102	75-125	UJ

Notes:
µg/L = Micrograms per liter
MS/MSD = Matrix spike / matrix spike duplicate
%R = Percent recovery
Bold = Percent recovery less than lower control limit
UJ = Non-detected analyte in associated sample qualified estimated "UJ" because %R is lower than control limit in associated sample.
J = Detected analyte in associated sample qualified estimated "J" because %R is lower than control limit in associated sample.

Table A-3
Relative Percent Difference Non-Conformance

Spiked Sample	Analyte	Sample Result (µg/L)	RPD	RPD Limit	Qualifier
VPB159-GW-062415-258-260	CIS-1,2-DICHLOROETHENE	1.6	**39****	30	J
VPB159-GW-062415-258-260	1,2-DICHLOROETHENE, TOTAL	1.6	**42****	30	J
VPB159-GW-062415-258-260	ACETONE	4.7	**38****	30	J
VPB159-GW-062415-258-260	CHLOROFORM	0.43	**44****	30	J
VPB159-GW-062415-258-260	1,1-DICHLOROETHANE	1.6	**41****	30	J
VPB159-GW-062415-258-260	1,1-DICHLOROETHENE	0.83	**41****	30	J

Notes:

µg/L = Micrograms per liter
RPD = Relative percent difference
Bold** = Relative percent difference outside control limit
J = Detected analyte in associated sample qualified estimated "J" because RPD is greater than RPD control limit in associated sample.

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
bt	Trip blank contamination
c	Calibration issue
d	Reporting limit raised due to chromatographic interference
fd	Field duplicate RPDs
h	Holding times
i	Internal standard areas
k	Estimated Maximum Possible Concentration (EMPC)
l	LCS or OPR recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Method compliance non-conformance
md	Matrix spike/matrix spike duplicate RPDs
nb	Negative laboratory blank contamination
p	Chemical preservation issue
r	Dual column RPD
q	Quantitation issue
s	Surrogate recovery
su	Ion suppression
t	Temperature preservation issue
x	Percent solids
y	Serial dilution results
z	ICS results

Attachment D
Final Results after Data Review

		Sample Delivery Group		SI4557		
		Lab ID		SI4557-1		
		Sample ID		VPB159-GW-062415-218-220		
		Sample Date		6/24/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
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	8.4		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.1		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.1		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.3		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	3.8	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	0.72	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.3		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.67	J	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	3.4		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	100		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		SI4557		
		Lab ID		SI4557-2		
		Sample ID		VPB159-GW-062415-238-240		
		Sample Date		6/24/2015		
		Sample Type		Groundwater		
Method	**Analyte**	**CAS No**	**Units**	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.37	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	10		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.3		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.4		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.6		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	4.7	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	0.55	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.6		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	3.9		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	140		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		SI4557		
		Lab ID		SI4557-3		
		Sample ID		VPB159-GW-062415-258-260		
		Sample Date		6/24/2015		
		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	UJ	m
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	8.7		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	m
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.6	J	m,md
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.83	J	m,md
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	m
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	m
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	m
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	m
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.6	J	m,md
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	m
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	m
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	m
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	4.7	J	md
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	m
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	m
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	m
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	m
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	m,c
8260C	CHLOROFORM	67-66-3	UG_L	0.43	J	m,md
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.6	J	m,md
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	m
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	m
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	m
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	m
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	m
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	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	UJ	m
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	m
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	m
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	25	J	m
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	UJ	m

		Sample Delivery Group		SI4557		
		Lab ID		SI4557-4		
		Sample ID		VPB159-TB-062415		
		Sample Date		6/24/2015		
		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	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	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		SI4557		
		Lab ID		SI4557-5		
		Sample ID		VPB159-GW-062515-278-280		
		Sample Date		6/25/2015		
		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	2.9		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.98	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.93	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		
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	6.5		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.9	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.44	J	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	8.3		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	120		
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		SI4557		
		Lab ID		SI4557-6		
		Sample ID		VPB159-GW-062515-298-300		
		Sample Date		6/25/2015		
		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	0.37	J	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.51	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	3.1	J	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	13		
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	0.38	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.51	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	1.5		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	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	1.5	U	

		Sample Delivery Group		SI4557		
		Lab ID		SI4557-7		
		Sample ID		VPB159-GWD-062515		
		Sample Date		6/25/2015		
		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	2.9		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.97	J	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.95	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	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	1.4	J	
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	6.6		
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	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.83	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	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	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	0.37	J	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	8.8		
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	120		
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		SI4557		
		Lab ID		SI4557-8		
		Sample ID		VPB159-GW-062515-318-320		
		Sample Date		6/25/2015		
		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	6.2		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.5		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.99	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	3.3		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	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	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.77	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.3		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	14		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	130		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		SI4557		
		Lab ID		SI4557-9		
		Sample ID		VPB159-GW-062515-338-340		
		Sample Date		6/25/2015		
		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	20		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.1		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	3.5		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.9		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.8	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	0.68	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.9		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.38	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	9.8		
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	210		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifier (Refer to Attachment B)
RC = Reason code (Refer to Attachment C)

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	SI4660	
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: 09/03/2015
Reviewed by:	Tina Cantwell/Resolution Consultants	File Name: SI4660_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 19 and 23 June 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
VPB159-GW-061915-103-105	Groundwater	8260C
VPB159-GW-062315-148-150	Groundwater	8260C
VPB159-GW-062315-203-205	Groundwater	8260C
VPB159-TB-061915	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), 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 /continuing calibration verification
✓	Laboratory blanks/trip blanks
✓	Surrogate spike recoveries
NA	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. 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. 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

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 initial calibration verification (ICV) standard percent recovery acceptance criteria were met;

- the continuing calibration verification standard (CCV) method percent difference or percent drift (%Ds) and response factor acceptance criteria were met; and

- 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 Table's A-1 and A-2.

Qualifications Actions

The data was reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation (LOQ) 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-targets was checked to confirm that the results and/or sample-specific LOQs 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. Environmental Protection Agency 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 Table
Attachment B: Qualifier Codes and Explanations
Attachment C: Reason Codes and Explanations
Attachment D: Final Results after Data Review

Attachment A
Non-Conformance Summary Table

Table A-1
Initial Calibration Verification Non-Conformance

Method	Analyte	ICV ID	%R	Limit	Associated Samples	Qualifier
8260C	Chloroethane	P1539A	127.5	80-120	All samples in SDG	All associated non-detect results for analyte were qualified as estimated (UJ).

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

Table A-2
Continuing Calibration Verification Non-Conformance

Method	Analyte	CCV ID	%D	Limit	Associated Samples	Qualifier
8260C	Chloroethane	P1581.D	30.54008	20	All samples in SDG	All associated non-detect results for analyte were qualified as estimated (UJ).
8260C	Carbon Disulfide	P1581.D	-21.59764	20	All samples in SDG	All associated non-detect results for analyte were qualified as estimated (UJ).
8260C	Methyl Acetate	P1581.D	-22.77498	20	All samples in SDG	All associated non-detect results for analyte were qualified as estimated (UJ).

Notes:
CCV ID = Continuing calibration verification identification
%D = Percent difference
UJ = Non-detected analyte in associated sample qualified estimated “UJ” due to potential bias

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
bt	Trip blank contamination
c	Calibration issue
d	Reporting limit raised due to chromatographic interference
fd	Field duplicate RPDs
h	Holding times
i	Internal standard areas
k	Estimated Maximum Possible Concentration (EMPC)
l	LCS or OPR recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Method compliance non-conformance
md	Matrix spike/matrix spike duplicate RPDs
nb	Negative laboratory blank contamination
p	Chemical preservation issue
r	Dual column RPD
q	Quantitation issue
s	Surrogate recovery
su	Ion suppression
t	Temperature preservation issue
x	Percent solids
y	Serial dilution results
z	ICS results

Attachment D
Final Results after Data Review

		Sample Delivery Group		SI4460		
		Lab ID		SI4460-1		
		Sample ID		VPB159-GW-061915-103-105		
		Sample Date		6/19/2015		
		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	4.7	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	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	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	UJ	c
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		SI4460		
		Lab ID		SI4460-2		
		Sample ID		VPB159-GW-062315-148-150		
		Sample Date		6/23/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	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	8.3		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	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	UJ	c
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		SI4460		
		Lab ID		SI4460-3		
		Sample ID		VPB159-TB-061915		
		Sample Date		6/19/2015		
		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	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	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	UJ	c
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		SI4460		
		Lab ID		SI4460-4		
		Sample ID		VPB159-GW-062315-203-205		
		Sample Date		6/23/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
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	16		
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	2.1		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4.2		
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	5.2		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.68	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	4.2		
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	0.74	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	c
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	5.5		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	170		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	0.25	J	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L = Micrograms per liter
Qual = Final qualifier (Refer to Attachment B)
RC = Reason code (Refer to Attachment C)

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Groups:	SI4695, SI4738, SI4811, SI4962, SI5043, and SI5191	
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: 09/08/2015
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: SI4695_4738_4811_4962_5043_5191_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 26 June to 15 July 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	Lab ID	Matrix/Sample Type	Analysis
VPB159-FB-063015	SI4695-8	Field Blank	8260C
VPB159-GW-062615-358-360	SI4695-1	Groundwater	8260C
VPB159-GW-062615-378-380	SI4695-2	Groundwater	8260C
VPB159-GW-062915-403-405	SI4695-3	Groundwater	8260C
VPB159-GW-062915-418-420	SI4695-4DL	Groundwater	8260C
VPB159-GW-062915-438-440	SI4695-5	Groundwater	8260C
VPB159-GW-063015-458-460	SI4695-6	Groundwater	8260C
VPB159-GW-063015-478-480	SI4695-7	Groundwater	8260C
VPB159-GW-063015-503-505	SI4695-10	Groundwater	8260C

Sample ID	Lab ID	Matrix/Sample Type	Analysis
VPB159-TB-063015	SI4695-9	Trip Blank	8260C
VPB159-GW-070115-518-520	SI4738-1	Groundwater	8260C
VPB159-GW-070115-543-545	SI4738-3	Groundwater	8260C
VPB159-TB-070115	SI4738-2	Trip Blank	8260C
VPB159-GW-070215-558-560	SI4811-3	Groundwater	8260C
VPB159-GW-070615-588-590	SI4811-5	Groundwater	8260C
VPB159-GW-070615-598-600	SI4811-6	Groundwater	8260C
VPB159-GW-070615-618-620	SI4811-7	Groundwater	8260C
VPB159-TB-070215	SI4811-4	Trip Blank	8260C
VPB159-GW-070715-638-640	SI4962-1	Groundwater	8260C
VPB159-GW-070715-658-660	SI4962-2DL	Groundwater	8260C
VPB159-GW-070715-678-680	SI4962-3	Groundwater	8260C
VPB159-GW-070915-698-700	SI4962-4	Groundwater	8260C
VPB159-GW-070915-718-720	SI4962-7DL	Groundwater	8260C
VPB159-GWD-070915	SI4962-5	Field Duplicate	8260C
VPB159-TB-070915	SI4962-6	Trip Blank	8260C
VPB159-GW-071415-838-840	SI5191-1	Groundwater	8260C
VPB159-GW-071415-858-860	SI5191-2DL	Groundwater	8260C
VPB159-GW-071515-883-885	SI5191-3DL	Groundwater	8260C
VPB159-TB-071515	SI5191-4	Trip Blank	8260C
VPB159-EB-071315	SI5043-6	Equipment Blank	8260C
VPB159-GW-071015-738-740	SI5043-1DL	Groundwater	8260C
VPB159-GW-071015-758-760	SI5043-2DL	Groundwater	8260C
VPB159-GW-071015-778-780	SI5043-3	Groundwater	8260C
VPB159-GW-071315-798-800	SI5043-4DL	Groundwater	8260C
VPB159-GW-071315-818-820	SI5043-5DL	Groundwater	8260C
VPB159-TB-071315	SI5043-7	Trip Blank	8260C
VPB159-FB-063015	SI4695-8	Field Blank	5310B
VPB159-SOIL-070115-548-550	SI4811-1	Soil	9060A
VPB159-SOIL-D-070115	SI4811-2	Soil	9060A
VPB159-EB-071315	SI5043-6	Equipment Blank	5310B

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/continuing calibration verification
✗	Laboratory blanks/equipment blanks/field 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 SI46951, 7 and 10 each contained soil at the bottom of vials. Each vial was decanted and analyzed. Sample SI4695-3 vials contained mostly soil and not much liquid. Each vial for SI4695-3 was decanted and compounded into 1 vial and analyzed. Sample SI4695-4 vials contained mostly soil and not much liquid. Each vial was decanted compounded into one vial and due to limited volume, sample SI4695-4 was analyzed at a dilution of 1:4. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Samples SI4811-3, 5, 6, and 7 each contained soil at the bottom of vials. One vial for each sample was decanted and analyzed. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample SI4692-3 sample contained soil at the bottom of the vials. The vials were decanted and analyzed. Samples SI4962-2 and 7 contained mostly soil in all three vials for each sample. The vials were decanted and compounded into one vial for each sample and analyzed at a dilution of 1:4 and 1:2. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample SI5043-3 contained soil at the bottom of the vials. One vial for the sample was decanted and analyzed. Samples SI5043-1, 2, 4, and 5 contained mostly soil in all three vials. Each vial was decanted, compounded into one vial for each sample and analyzed at a dilution of 1:20, 1:50, 1:2, and 1:8. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample SI5191-1 contained soil at the bottom of the vials. One vial for the sample was decanted and analyzed. Samples SI5191-2 and 3 vials contained mostly soil. Each vial was decanted and compounded into one vial for each sample and analyzed at a dilution of 1:4. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

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. Non-conformances are summarized in Attachment A in Table A-1.

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 initial calibration verification (ICV) standard percent recovery acceptance criteria were met;
- the continuing calibration verification standard method percent difference or percent drift (%Ds) and response factor acceptance criteria were met; and
- 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 Table's A-2 and A-3.

Laboratory Blanks/Equipment Blanks/ Field Blanks/Trip Blanks

Laboratory blanks, equipment blanks, field blanks, and trip blanks were analyzed with samples to assess contamination imparted by sample preparation and/or analysis. All results associated with a particular blank were evaluated to determine whether there was an inherent variability in the data,

or if a problem was an isolated occurrence that did not affect the data. Samples were flagged in accordance with *Functional Guidelines* (shown below) where detections were not believed to be site-related. Lab blank and field blank non-conformances are summarized in Attachment A in Table's A-4 and A-5.

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

Qualifications Actions

The data was 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 Table

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-062615-358-360	1,1,1-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	2.8	J
8260C	VPB159-GW-062615-358-360	1,1,2-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	1,1-DICHLOROETHANE	UG_L	0.55	J
8260C	VPB159-GW-062615-358-360	1,1-DICHLOROETHENE	UG_L	0.5	J
8260C	VPB159-GW-062615-358-360	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-062615-358-360	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	1,2-DICHLOROETHENE, TOTAL	UG_L	2.3	J
8260C	VPB159-GW-062615-358-360	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	2-BUTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-062615-358-360	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-062615-358-360	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-062615-358-360	ACETONE	UG_L	5.7	J
8260C	VPB159-GW-062615-358-360	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-062615-358-360	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	CARBON TETRACHLORIDE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-062615-358-360	CHLOROFORM	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-062615-358-360	CIS-1,2-DICHLOROETHENE	UG_L	2.3	J
8260C	VPB159-GW-062615-358-360	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	DICHLORODIFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-062615-358-360	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-062615-358-360	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-062615-358-360	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	METHYL TERT-BUTYL ETHER	UG_L	0.58	J
8260C	VPB159-GW-062615-358-360	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-062615-358-360	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	TETRACHLOROETHENE	UG_L	7.6	J
8260C	VPB159-GW-062615-358-360	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-062615-358-360	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ

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Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-062615-358-360	TRICHLOROETHENE	UG_L	49	J
8260C	VPB159-GW-062615-358-360	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-062615-358-360	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-062615-358-360	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-062915-403-405	1,1,1-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	0.97	J
8260C	VPB159-GW-062915-403-405	1,1,2-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,1-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-062915-403-405	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,2-DICHLOROETHENE, TOTAL	UG_L	1	UJ
8260C	VPB159-GW-062915-403-405	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	2-BUTANONE	UG_L	2.7	J
8260C	VPB159-GW-062915-403-405	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-062915-403-405	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-062915-403-405	ACETONE	UG_L	14	J
8260C	VPB159-GW-062915-403-405	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-062915-403-405	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	CARBON TETRACHLORIDE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-062915-403-405	CHLOROFORM	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-062915-403-405	CIS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	DICHLORODIFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-062915-403-405	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-062915-403-405	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-062915-403-405	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-062915-403-405	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	TETRACHLOROETHENE	UG_L	0.46	J
8260C	VPB159-GW-062915-403-405	TOLUENE	UG_L	0.5	UJ

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Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-062915-403-405	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-062915-403-405	TRICHLOROETHENE	UG_L	20	J
8260C	VPB159-GW-062915-403-405	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-062915-403-405	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-062915-403-405	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-062915-418-420	1,1,1-TRICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,1,2,2-TETRACHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,1,2-TRICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,1-DICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,1-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,2,4-TRICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	3	UJ
8260C	VPB159-GW-062915-418-420	1,2-DIBROMOETHANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,2-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,2-DICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,2-DICHLOROETHENE, TOTAL	UG_L	4	UJ
8260C	VPB159-GW-062915-418-420	1,2-DICHLOROPROPANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,3-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	1,4-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	2-BUTANONE	UG_L	10	UJ
8260C	VPB159-GW-062915-418-420	2-HEXANONE	UG_L	10	UJ
8260C	VPB159-GW-062915-418-420	4-METHYL-2-PENTANONE	UG_L	10	UJ
8260C	VPB159-GW-062915-418-420	ACETONE	UG_L	26	J
8260C	VPB159-GW-062915-418-420	BENZENE	UG_L	1.4	J
8260C	VPB159-GW-062915-418-420	BROMODICHLOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	BROMOFORM	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	BROMOMETHANE	UG_L	4	UJ
8260C	VPB159-GW-062915-418-420	CARBON DISULFIDE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	CARBON TETRACHLORIDE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	CHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	CHLOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-062915-418-420	CHLOROFORM	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	CHLOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-062915-418-420	CIS-1,2-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	CIS-1,3-DICHLOROPROPENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	CYCLOHEXANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	DIBROMOCHLOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	DICHLORODIFLUOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-062915-418-420	ETHYLBENZENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	ISOPROPYLBENZENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	M- AND P-XYLENE	UG_L	4	UJ
8260C	VPB159-GW-062915-418-420	METHYL ACETATE	UG_L	3	UJ
8260C	VPB159-GW-062915-418-420	METHYL CYCLOHEXANE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	METHYL TERT-BUTYL ETHER	UG_L	16	J
8260C	VPB159-GW-062915-418-420	METHYLENE CHLORIDE	UG_L	10	UJ
8260C	VPB159-GW-062915-418-420	O-XYLENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	STYRENE	UG_L	2	UJ

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Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-062915-418-420	TETRACHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	TOLUENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	TRANS-1,2-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	TRANS-1,3-DICHLOROPROPENE	UG_L	2	UJ
8260C	VPB159-GW-062915-418-420	TRICHLOROETHENE	UG_L	2.5	J
8260C	VPB159-GW-062915-418-420	TRICHLOROFLUOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-062915-418-420	VINYL CHLORIDE	UG_L	4	UJ
8260C	VPB159-GW-062915-418-420	XYLENES, TOTAL	UG_L	6	UJ
8260C	VPB159-GW-063015-478-480	1,1,1-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	4.6	J
8260C	VPB159-GW-063015-478-480	1,1,2-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,1-DICHLOROETHENE	UG_L	0.46	J
8260C	VPB159-GW-063015-478-480	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-063015-478-480	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,2-DICHLOROETHENE, TOTAL	UG_L	1.4	J
8260C	VPB159-GW-063015-478-480	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	2-BUTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-063015-478-480	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-063015-478-480	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-063015-478-480	ACETONE	UG_L	3.3	J
8260C	VPB159-GW-063015-478-480	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-063015-478-480	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	CARBON TETRACHLORIDE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-063015-478-480	CHLOROFORM	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-063015-478-480	CIS-1,2-DICHLOROETHENE	UG_L	1.4	J
8260C	VPB159-GW-063015-478-480	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	DICHLORODIFLUOROMETHANE	UG_L	0.34	J
8260C	VPB159-GW-063015-478-480	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-063015-478-480	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-063015-478-480	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	METHYLENE CHLORIDE	UG_L	2.5	UJ

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Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-063015-478-480	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	TETRACHLOROETHENE	UG_L	3.1	J
8260C	VPB159-GW-063015-478-480	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-478-480	TRICHLOROETHENE	UG_L	140	J
8260C	VPB159-GW-063015-478-480	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-063015-478-480	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-063015-478-480	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-063015-503-505	1,1,1-TRICHLOROETHANE	UG_L	0.25	J
8260C	VPB159-GW-063015-503-505	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	12	J
8260C	VPB159-GW-063015-503-505	1,1,2-TRICHLOROETHANE	UG_L	0.47	J
8260C	VPB159-GW-063015-503-505	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	1,1-DICHLOROETHENE	UG_L	2.8	J
8260C	VPB159-GW-063015-503-505	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-063015-503-505	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	1,2-DICHLOROETHENE, TOTAL	UG_L	2.5	J
8260C	VPB159-GW-063015-503-505	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	2-BUTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-063015-503-505	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-063015-503-505	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-063015-503-505	ACETONE	UG_L	3.9	J
8260C	VPB159-GW-063015-503-505	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-063015-503-505	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	CARBON TETRACHLORIDE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-063015-503-505	CHLOROFORM	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-063015-503-505	CIS-1,2-DICHLOROETHENE	UG_L	2.5	J
8260C	VPB159-GW-063015-503-505	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	DICHLORODIFLUOROMETHANE	UG_L	0.68	J
8260C	VPB159-GW-063015-503-505	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-063015-503-505	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-063015-503-505	METHYL CYCLOHEXANE	UG_L	0.5	UJ

Table A-1
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Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-063015-503-505	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-063015-503-505	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	TETRACHLOROETHENE	UG_L	2.8	J
8260C	VPB159-GW-063015-503-505	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-063015-503-505	TRICHLOROETHENE	UG_L	330	J
8260C	VPB159-GW-063015-503-505	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-063015-503-505	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-063015-503-505	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-070215-558-560	1,1,1-TRICHLOROETHANE	UG_L	0.35	J
8260C	VPB159-GW-070215-558-560	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	24	J
8260C	VPB159-GW-070215-558-560	1,1,2-TRICHLOROETHANE	UG_L	0.53	J
8260C	VPB159-GW-070215-558-560	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	1,1-DICHLOROETHENE	UG_L	6	J
8260C	VPB159-GW-070215-558-560	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-070215-558-560	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	1,2-DICHLOROETHENE, TOTAL	UG_L	4.4	J
8260C	VPB159-GW-070215-558-560	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	2-BUTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070215-558-560	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070215-558-560	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070215-558-560	ACETONE	UG_L	4.9	J
8260C	VPB159-GW-070215-558-560	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070215-558-560	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	CARBON TETRACHLORIDE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070215-558-560	CHLOROFORM	UG_L	0.76	J
8260C	VPB159-GW-070215-558-560	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070215-558-560	CIS-1,2-DICHLOROETHENE	UG_L	4.4	J
8260C	VPB159-GW-070215-558-560	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	DICHLORODIFLUOROMETHANE	UG_L	0.39	J
8260C	VPB159-GW-070215-558-560	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	M- AND P-XYLENE	UG_L	1	UJ

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Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-070215-558-560	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-070215-558-560	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-070215-558-560	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	TETRACHLOROETHENE	UG_L	15	J
8260C	VPB159-GW-070215-558-560	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-070215-558-560	TRICHLOROETHENE	UG_L	640	J
8260C	VPB159-GW-070215-558-560	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070215-558-560	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-070215-558-560	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-070615-588-590	1,1,1-TRICHLOROETHANE	UG_L	0.34	J
8260C	VPB159-GW-070615-588-590	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	17	J
8260C	VPB159-GW-070615-588-590	1,1,2-TRICHLOROETHANE	UG_L	0.48	J
8260C	VPB159-GW-070615-588-590	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	1,1-DICHLOROETHENE	UG_L	4.9	J
8260C	VPB159-GW-070615-588-590	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-070615-588-590	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	1,2-DICHLOROETHENE, TOTAL	UG_L	4.3	J
8260C	VPB159-GW-070615-588-590	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	2-BUTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-588-590	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-588-590	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-588-590	ACETONE	UG_L	13	J
8260C	VPB159-GW-070615-588-590	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-588-590	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	CARBON TETRACHLORIDE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-588-590	CHLOROFORM	UG_L	0.6	J
8260C	VPB159-GW-070615-588-590	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-588-590	CIS-1,2-DICHLOROETHENE	UG_L	4.3	J
8260C	VPB159-GW-070615-588-590	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	DICHLORODIFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-588-590	ETHYLBENZENE	UG_L	0.5	UJ

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Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-070615-588-590	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-070615-588-590	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-070615-588-590	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-588-590	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	TETRACHLOROETHENE	UG_L	11	J
8260C	VPB159-GW-070615-588-590	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-588-590	TRICHLOROETHENE	UG_L	450	J
8260C	VPB159-GW-070615-588-590	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-588-590	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-070615-588-590	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-070615-598-600	1,1,1-TRICHLOROETHANE	UG_L	0.51	J
8260C	VPB159-GW-070615-598-600	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	18	J
8260C	VPB159-GW-070615-598-600	1,1,2-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	1,1-DICHLOROETHENE	UG_L	2.8	J
8260C	VPB159-GW-070615-598-600	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-070615-598-600	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	1,2-DICHLOROETHENE, TOTAL	UG_L	2	J
8260C	VPB159-GW-070615-598-600	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	2-BUTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-598-600	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-598-600	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-598-600	ACETONE	UG_L	3.9	J
8260C	VPB159-GW-070615-598-600	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-598-600	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	CARBON TETRACHLORIDE	UG_L	0.35	J
8260C	VPB159-GW-070615-598-600	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-598-600	CHLOROFORM	UG_L	0.33	J
8260C	VPB159-GW-070615-598-600	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-598-600	CIS-1,2-DICHLOROETHENE	UG_L	2	J
8260C	VPB159-GW-070615-598-600	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ

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Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-070615-598-600	DICHLORODIFLUOROMETHANE	UG_L	0.41	J
8260C	VPB159-GW-070615-598-600	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-070615-598-600	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-070615-598-600	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-598-600	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	TETRACHLOROETHENE	UG_L	3	J
8260C	VPB159-GW-070615-598-600	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-598-600	TRICHLOROETHENE	UG_L	120	J
8260C	VPB159-GW-070615-598-600	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-598-600	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-070615-598-600	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-070615-618-620	1,1,1-TRICHLOROETHANE	UG_L	0.49	J
8260C	VPB159-GW-070615-618-620	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	18	J
8260C	VPB159-GW-070615-618-620	1,1,2-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	1,1-DICHLOROETHENE	UG_L	2	J
8260C	VPB159-GW-070615-618-620	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-070615-618-620	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	1,2-DICHLOROETHENE, TOTAL	UG_L	2.6	J
8260C	VPB159-GW-070615-618-620	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	2-BUTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-618-620	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-618-620	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-618-620	ACETONE	UG_L	6.8	J
8260C	VPB159-GW-070615-618-620	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-618-620	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	CARBON TETRACHLORIDE	UG_L	0.41	J
8260C	VPB159-GW-070615-618-620	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-618-620	CHLOROFORM	UG_L	0.35	J
8260C	VPB159-GW-070615-618-620	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-618-620	CIS-1,2-DICHLOROETHENE	UG_L	2.6	J
8260C	VPB159-GW-070615-618-620	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-070615-618-620	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	DICHLORODIFLUOROMETHANE	UG_L	0.55	J
8260C	VPB159-GW-070615-618-620	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-070615-618-620	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-070615-618-620	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-070615-618-620	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	TETRACHLOROETHENE	UG_L	4.3	J
8260C	VPB159-GW-070615-618-620	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-070615-618-620	TRICHLOROETHENE	UG_L	130	J
8260C	VPB159-GW-070615-618-620	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070615-618-620	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-070615-618-620	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-070715-658-660	1,1,1-TRICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,1,2,2-TETRACHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,1,2-TRICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,1-DICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,1-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,2,4-TRICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	3	UJ
8260C	VPB159-GW-070715-658-660	1,2-DIBROMOETHANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,2-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,2-DICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,2-DICHLOROETHENE, TOTAL	UG_L	4	UJ
8260C	VPB159-GW-070715-658-660	1,2-DICHLOROPROPANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,3-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	1,4-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	2-BUTANONE	UG_L	10	UJ
8260C	VPB159-GW-070715-658-660	2-HEXANONE	UG_L	10	UJ
8260C	VPB159-GW-070715-658-660	4-METHYL-2-PENTANONE	UG_L	10	UJ
8260C	VPB159-GW-070715-658-660	ACETONE	UG_L	9.6	J
8260C	VPB159-GW-070715-658-660	BENZENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	BROMODICHLOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	BROMOFORM	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	BROMOMETHANE	UG_L	4	UJ
8260C	VPB159-GW-070715-658-660	CARBON DISULFIDE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	CARBON TETRACHLORIDE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	CHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	CHLOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-070715-658-660	CHLOROFORM	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	CHLOROMETHANE	UG_L	4	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-070715-658-660	CIS-1,2-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	CIS-1,3-DICHLOROPROPENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	CYCLOHEXANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	DIBROMOCHLOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	DICHLORODIFLUOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-070715-658-660	ETHYLBENZENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	ISOPROPYLBENZENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	M- AND P-XYLENE	UG_L	4	UJ
8260C	VPB159-GW-070715-658-660	METHYL ACETATE	UG_L	3	UJ
8260C	VPB159-GW-070715-658-660	METHYL CYCLOHEXANE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	METHYL TERT-BUTYL ETHER	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	METHYLENE CHLORIDE	UG_L	10	UJ
8260C	VPB159-GW-070715-658-660	O-XYLENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	STYRENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	TETRACHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	TOLUENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	TRANS-1,2-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	TRANS-1,3-DICHLOROPROPENE	UG_L	2	UJ
8260C	VPB159-GW-070715-658-660	TRICHLOROETHENE	UG_L	1.4	J
8260C	VPB159-GW-070715-658-660	TRICHLOROFLUOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-070715-658-660	VINYL CHLORIDE	UG_L	4	UJ
8260C	VPB159-GW-070715-658-660	XYLENES, TOTAL	UG_L	6	UJ
8260C	VPB159-GW-070715-678-680	1,1,1-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	31	J
8260C	VPB159-GW-070715-678-680	1,1,2-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,1-DICHLOROETHENE	UG_L	0.44	J
8260C	VPB159-GW-070715-678-680	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-070715-678-680	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,2-DICHLOROETHENE, TOTAL	UG_L	0.76	J
8260C	VPB159-GW-070715-678-680	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	2-BUTANONE	UG_L	2.2	J
8260C	VPB159-GW-070715-678-680	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070715-678-680	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-070715-678-680	ACETONE	UG_L	11	J
8260C	VPB159-GW-070715-678-680	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070715-678-680	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	CARBON TETRACHLORIDE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	CHLOROETHANE	UG_L	1	UJ

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Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-070715-678-680	CHLOROFORM	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070715-678-680	CIS-1,2-DICHLOROETHENE	UG_L	0.76	J
8260C	VPB159-GW-070715-678-680	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	DICHLORODIFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070715-678-680	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-070715-678-680	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-070715-678-680	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-070715-678-680	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	TETRACHLOROETHENE	UG_L	3.1	J
8260C	VPB159-GW-070715-678-680	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-070715-678-680	TRICHLOROETHENE	UG_L	74	J
8260C	VPB159-GW-070715-678-680	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070715-678-680	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-070715-678-680	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-070915-718-720	1,1,1-TRICHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,1,2,2-TETRACHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,1,2-TRICHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,1-DICHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,1-DICHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,2,4-TRICHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	1.5	UJ
8260C	VPB159-GW-070915-718-720	1,2-DIBROMOETHANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,2-DICHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,2-DICHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,2-DICHLOROETHENE, TOTAL	UG_L	2	UJ
8260C	VPB159-GW-070915-718-720	1,2-DICHLOROPROPANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,3-DICHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	1,4-DICHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	2-BUTANONE	UG_L	5	UJ
8260C	VPB159-GW-070915-718-720	2-HEXANONE	UG_L	5	UJ
8260C	VPB159-GW-070915-718-720	4-METHYL-2-PENTANONE	UG_L	5	UJ
8260C	VPB159-GW-070915-718-720	ACETONE	UG_L	12	J
8260C	VPB159-GW-070915-718-720	BENZENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	BROMODICHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	BROMOFORM	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	BROMOMETHANE	UG_L	2	UJ
8260C	VPB159-GW-070915-718-720	CARBON DISULFIDE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	CARBON TETRACHLORIDE	UG_L	1	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-070915-718-720	CHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	CHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-070915-718-720	CHLOROFORM	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	CHLOROMETHANE	UG_L	1.6	J
8260C	VPB159-GW-070915-718-720	CIS-1,2-DICHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	CIS-1,3-DICHLOROPROPENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	CYCLOHEXANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	DIBROMOCHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	DICHLORODIFLUOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-070915-718-720	ETHYLBENZENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	ISOPROPYLBENZENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	M- AND P-XYLENE	UG_L	2	UJ
8260C	VPB159-GW-070915-718-720	METHYL ACETATE	UG_L	1.5	UJ
8260C	VPB159-GW-070915-718-720	METHYL CYCLOHEXANE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	METHYL TERT-BUTYL ETHER	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	METHYLENE CHLORIDE	UG_L	5	UJ
8260C	VPB159-GW-070915-718-720	O-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	STYRENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	TETRACHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	TOLUENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	TRANS-1,2-DICHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	TRANS-1,3-DICHLOROPROPENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	TRICHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-070915-718-720	TRICHLOROFLUOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-070915-718-720	VINYL CHLORIDE	UG_L	2	UJ
8260C	VPB159-GW-070915-718-720	XYLENES, TOTAL	UG_L	3	UJ
8260C	VPB159-GW-071415-838-840	1,1,1-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,1,2-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,1-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-071415-838-840	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,2-DICHLOROETHENE, TOTAL	UG_L	1	UJ
8260C	VPB159-GW-071415-838-840	1,2-DICHLOROPROPANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	2-BUTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-071415-838-840	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-071415-838-840	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-071415-838-840	ACETONE	UG_L	5.6	J
8260C	VPB159-GW-071415-838-840	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	BROMOMETHANE	UG_L	1	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-071415-838-840	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	CARBON TETRACHLORIDE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-071415-838-840	CHLOROFORM	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-071415-838-840	CIS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	DICHLORODIFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-071415-838-840	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-071415-838-840	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-071415-838-840	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-071415-838-840	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	TETRACHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	TRICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071415-838-840	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-071415-838-840	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-071415-838-840	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-071415-858-860	1,1,1-TRICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,1,2,2-TETRACHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,1,2-TRICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,1-DICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,1-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,2,4-TRICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	3	UJ
8260C	VPB159-GW-071415-858-860	1,2-DIBROMOETHANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,2-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,2-DICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,2-DICHLOROETHENE, TOTAL	UG_L	4	UJ
8260C	VPB159-GW-071415-858-860	1,2-DICHLOROPROPANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,3-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	1,4-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	2-BUTANONE	UG_L	10	UJ
8260C	VPB159-GW-071415-858-860	2-HEXANONE	UG_L	10	UJ
8260C	VPB159-GW-071415-858-860	4-METHYL-2-PENTANONE	UG_L	10	UJ
8260C	VPB159-GW-071415-858-860	ACETONE	UG_L	10	UJ
8260C	VPB159-GW-071415-858-860	BENZENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	BROMODICHLOROMETHANE	UG_L	2	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-071415-858-860	BROMOFORM	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	BROMOMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071415-858-860	CARBON DISULFIDE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	CARBON TETRACHLORIDE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	CHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	CHLOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-071415-858-860	CHLOROFORM	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	CHLOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071415-858-860	CIS-1,2-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	CIS-1,3-DICHLOROPROPENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	CYCLOHEXANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	DIBROMOCHLOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	DICHLORODIFLUOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071415-858-860	ETHYLBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	ISOPROPYLBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	M- AND P-XYLENE	UG_L	4	UJ
8260C	VPB159-GW-071415-858-860	METHYL ACETATE	UG_L	3	UJ
8260C	VPB159-GW-071415-858-860	METHYL CYCLOHEXANE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	METHYL TERT-BUTYL ETHER	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	METHYLENE CHLORIDE	UG_L	10	UJ
8260C	VPB159-GW-071415-858-860	O-XYLENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	STYRENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	TETRACHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	TOLUENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	TRANS-1,2-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	TRANS-1,3-DICHLOROPROPENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	TRICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071415-858-860	TRICHLOROFLUOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071415-858-860	VINYL CHLORIDE	UG_L	4	UJ
8260C	VPB159-GW-071415-858-860	XYLENES, TOTAL	UG_L	6	UJ
8260C	VPB159-GW-071515-883-885	1,1,1-TRICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,1,2,2-TETRACHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,1,2-TRICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,1-DICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,1-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,2,4-TRICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	3	UJ
8260C	VPB159-GW-071515-883-885	1,2-DIBROMOETHANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,2-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,2-DICHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,2-DICHLOROETHENE, TOTAL	UG_L	4	UJ
8260C	VPB159-GW-071515-883-885	1,2-DICHLOROPROPANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,3-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	1,4-DICHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	2-BUTANONE	UG_L	10	UJ
8260C	VPB159-GW-071515-883-885	2-HEXANONE	UG_L	10	UJ
8260C	VPB159-GW-071515-883-885	4-METHYL-2-PENTANONE	UG_L	10	UJ
8260C	VPB159-GW-071515-883-885	ACETONE	UG_L	10	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-071515-883-885	BENZENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	BROMODICHLOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	BROMOFORM	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	BROMOMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071515-883-885	CARBON DISULFIDE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	CARBON TETRACHLORIDE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	CHLOROBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	CHLOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-071515-883-885	CHLOROFORM	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	CHLOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071515-883-885	CIS-1,2-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	CIS-1,3-DICHLOROPROPENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	CYCLOHEXANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	DIBROMOCHLOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	DICHLORODIFLUOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071515-883-885	ETHYLBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	ISOPROPYLBENZENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	M- AND P-XYLENE	UG_L	4	UJ
8260C	VPB159-GW-071515-883-885	METHYL ACETATE	UG_L	3	UJ
8260C	VPB159-GW-071515-883-885	METHYL CYCLOHEXANE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	METHYL TERT-BUTYL ETHER	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	METHYLENE CHLORIDE	UG_L	10	UJ
8260C	VPB159-GW-071515-883-885	O-XYLENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	STYRENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	TETRACHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	TOLUENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	TRANS-1,2-DICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	TRANS-1,3-DICHLOROPROPENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	TRICHLOROETHENE	UG_L	2	UJ
8260C	VPB159-GW-071515-883-885	TRICHLOROFLUOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071515-883-885	VINYL CHLORIDE	UG_L	4	UJ
8260C	VPB159-GW-071515-883-885	XYLENES, TOTAL	UG_L	6	UJ
8260C	VPB159-GW-071015-738-740	1,1,1-TRICHLOROETHANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,1,2,2-TETRACHLOROETHANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,1,2-TRICHLOROETHANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,1-DICHLOROETHANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,1-DICHLOROETHENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,2,4-TRICHLOROBENZENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	15	UJ
8260C	VPB159-GW-071015-738-740	1,2-DIBROMOETHANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,2-DICHLOROBENZENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,2-DICHLOROETHANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,2-DICHLOROETHENE, TOTAL	UG_L	20	UJ
8260C	VPB159-GW-071015-738-740	1,2-DICHLOROPROPANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,3-DICHLOROBENZENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	1,4-DICHLOROBENZENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	2-BUTANONE	UG_L	50	UJ
8260C	VPB159-GW-071015-738-740	2-HEXANONE	UG_L	50	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-071015-738-740	4-METHYL-2-PENTANONE	UG_L	50	UJ
8260C	VPB159-GW-071015-738-740	ACETONE	UG_L	50	UJ
8260C	VPB159-GW-071015-738-740	BENZENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	BROMODICHLOROMETHANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	BROMOFORM	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	BROMOMETHANE	UG_L	20	UJ
8260C	VPB159-GW-071015-738-740	CARBON DISULFIDE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	CARBON TETRACHLORIDE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	CHLOROBENZENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	CHLOROETHANE	UG_L	20	UJ
8260C	VPB159-GW-071015-738-740	CHLOROFORM	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	CHLOROMETHANE	UG_L	20	UJ
8260C	VPB159-GW-071015-738-740	CIS-1,2-DICHLOROETHENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	CIS-1,3-DICHLOROPROPENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	CYCLOHEXANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	DIBROMOCHLOROMETHANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	DICHLORODIFLUOROMETHANE	UG_L	20	UJ
8260C	VPB159-GW-071015-738-740	ETHYLBENZENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	ISOPROPYLBENZENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	M- AND P-XYLENE	UG_L	20	UJ
8260C	VPB159-GW-071015-738-740	METHYL ACETATE	UG_L	15	UJ
8260C	VPB159-GW-071015-738-740	METHYL CYCLOHEXANE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	METHYL TERT-BUTYL ETHER	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	METHYLENE CHLORIDE	UG_L	50	UJ
8260C	VPB159-GW-071015-738-740	O-XYLENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	STYRENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	TETRACHLOROETHENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	TOLUENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	TRANS-1,2-DICHLOROETHENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	TRANS-1,3-DICHLOROPROPENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	TRICHLOROETHENE	UG_L	10	UJ
8260C	VPB159-GW-071015-738-740	TRICHLOROFLUOROMETHANE	UG_L	20	UJ
8260C	VPB159-GW-071015-738-740	VINYL CHLORIDE	UG_L	20	UJ
8260C	VPB159-GW-071015-738-740	XYLENES, TOTAL	UG_L	30	UJ
8260C	VPB159-GW-071015-758-760	1,1,1-TRICHLOROETHANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,1,2,2-TETRACHLOROETHANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,1,2-TRICHLOROETHANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,1-DICHLOROETHANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,1-DICHLOROETHENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,2,4-TRICHLOROBENZENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	38	UJ
8260C	VPB159-GW-071015-758-760	1,2-DIBROMOETHANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,2-DICHLOROBENZENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,2-DICHLOROETHANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,2-DICHLOROETHENE, TOTAL	UG_L	50	UJ
8260C	VPB159-GW-071015-758-760	1,2-DICHLOROPROPANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,3-DICHLOROBENZENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	1,4-DICHLOROBENZENE	UG_L	25	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-071015-758-760	2-BUTANONE	UG_L	120	UJ
8260C	VPB159-GW-071015-758-760	2-HEXANONE	UG_L	120	UJ
8260C	VPB159-GW-071015-758-760	4-METHYL-2-PENTANONE	UG_L	120	UJ
8260C	VPB159-GW-071015-758-760	ACETONE	UG_L	120	UJ
8260C	VPB159-GW-071015-758-760	BENZENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	BROMODICHLOROMETHANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	BROMOFORM	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	BROMOMETHANE	UG_L	50	UJ
8260C	VPB159-GW-071015-758-760	CARBON DISULFIDE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	CARBON TETRACHLORIDE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	CHLOROBENZENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	CHLOROETHANE	UG_L	50	UJ
8260C	VPB159-GW-071015-758-760	CHLOROFORM	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	CHLOROMETHANE	UG_L	50	UJ
8260C	VPB159-GW-071015-758-760	CIS-1,2-DICHLOROETHENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	CIS-1,3-DICHLOROPROPENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	CYCLOHEXANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	DIBROMOCHLOROMETHANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	DICHLORODIFLUOROMETHANE	UG_L	50	UJ
8260C	VPB159-GW-071015-758-760	ETHYLBENZENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	ISOPROPYLBENZENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	M- AND P-XYLENE	UG_L	50	UJ
8260C	VPB159-GW-071015-758-760	METHYL ACETATE	UG_L	38	UJ
8260C	VPB159-GW-071015-758-760	METHYL CYCLOHEXANE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	METHYL TERT-BUTYL ETHER	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	METHYLENE CHLORIDE	UG_L	120	UJ
8260C	VPB159-GW-071015-758-760	O-XYLENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	STYRENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	TETRACHLOROETHENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	TOLUENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	TRANS-1,2-DICHLOROETHENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	TRANS-1,3-DICHLOROPROPENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	TRICHLOROETHENE	UG_L	25	UJ
8260C	VPB159-GW-071015-758-760	TRICHLOROFLUOROMETHANE	UG_L	50	UJ
8260C	VPB159-GW-071015-758-760	VINYL CHLORIDE	UG_L	50	UJ
8260C	VPB159-GW-071015-758-760	XYLENES, TOTAL	UG_L	75	UJ
8260C	VPB159-GW-071015-778-780	1,1,1-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,1,2,2-TETRACHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,1,2-TRICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,1-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,1-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,2,4-TRICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	0.75	UJ
8260C	VPB159-GW-071015-778-780	1,2-DIBROMOETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,2-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,2-DICHLOROETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,2-DICHLOROETHENE, TOTAL	UG_L	1	UJ
8260C	VPB159-GW-071015-778-780	1,2-DICHLOROPROPANE	UG_L	0.5	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-071015-778-780	1,3-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	1,4-DICHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	2-BUTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-071015-778-780	2-HEXANONE	UG_L	2.5	UJ
8260C	VPB159-GW-071015-778-780	4-METHYL-2-PENTANONE	UG_L	2.5	UJ
8260C	VPB159-GW-071015-778-780	ACETONE	UG_L	6.6	J
8260C	VPB159-GW-071015-778-780	BENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	BROMODICHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	BROMOFORM	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	BROMOMETHANE	UG_L	1	UJ
8260C	VPB159-GW-071015-778-780	CARBON DISULFIDE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	CARBON TETRACHLORIDE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	CHLOROBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	CHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-071015-778-780	CHLOROFORM	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	CHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-071015-778-780	CIS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	CIS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	DIBROMOCHLOROMETHANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	DICHLORODIFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-071015-778-780	ETHYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	ISOPROPYLBENZENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	M- AND P-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-071015-778-780	METHYL ACETATE	UG_L	0.75	UJ
8260C	VPB159-GW-071015-778-780	METHYL CYCLOHEXANE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	METHYL TERT-BUTYL ETHER	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	METHYLENE CHLORIDE	UG_L	2.5	UJ
8260C	VPB159-GW-071015-778-780	O-XYLENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	STYRENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	TETRACHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	TOLUENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	TRANS-1,2-DICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	TRANS-1,3-DICHLOROPROPENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	TRICHLOROETHENE	UG_L	0.5	UJ
8260C	VPB159-GW-071015-778-780	TRICHLOROFLUOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-071015-778-780	VINYL CHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-071015-778-780	XYLENES, TOTAL	UG_L	1.5	UJ
8260C	VPB159-GW-071315-798-800	1,1,1-TRICHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,1,2,2-TETRACHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,1,2-TRICHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,1-DICHLOROETHANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,1-DICHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,2,4-TRICHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	1.5	UJ
8260C	VPB159-GW-071315-798-800	1,2-DIBROMOETHANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,2-DICHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,2-DICHLOROETHANE	UG_L	1	UJ

Table A-1
Sample Integrity Non-Conformance

Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-071315-798-800	1,2-DICHLOROETHENE, TOTAL	UG_L	2	UJ
8260C	VPB159-GW-071315-798-800	1,2-DICHLOROPROPANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,3-DICHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	1,4-DICHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	2-BUTANONE	UG_L	5	UJ
8260C	VPB159-GW-071315-798-800	2-HEXANONE	UG_L	5	UJ
8260C	VPB159-GW-071315-798-800	4-METHYL-2-PENTANONE	UG_L	5	UJ
8260C	VPB159-GW-071315-798-800	ACETONE	UG_L	13	J
8260C	VPB159-GW-071315-798-800	BENZENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	BROMODICHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	BROMOFORM	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	BROMOMETHANE	UG_L	2	UJ
8260C	VPB159-GW-071315-798-800	CARBON DISULFIDE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	CARBON TETRACHLORIDE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	CHLOROBENZENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	CHLOROETHANE	UG_L	2	UJ
8260C	VPB159-GW-071315-798-800	CHLOROFORM	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	CHLOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-071315-798-800	CIS-1,2-DICHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	CIS-1,3-DICHLOROPROPENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	CYCLOHEXANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	DIBROMOCHLOROMETHANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	DICHLORODIFLUOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-071315-798-800	ETHYLBENZENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	ISOPROPYLBENZENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	M- AND P-XYLENE	UG_L	2	UJ
8260C	VPB159-GW-071315-798-800	METHYL ACETATE	UG_L	1.5	UJ
8260C	VPB159-GW-071315-798-800	METHYL CYCLOHEXANE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	METHYL TERT-BUTYL ETHER	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	METHYLENE CHLORIDE	UG_L	5	UJ
8260C	VPB159-GW-071315-798-800	O-XYLENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	STYRENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	TETRACHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	TOLUENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	TRANS-1,2-DICHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	TRANS-1,3-DICHLOROPROPENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	TRICHLOROETHENE	UG_L	1	UJ
8260C	VPB159-GW-071315-798-800	TRICHLOROFLUOROMETHANE	UG_L	2	UJ
8260C	VPB159-GW-071315-798-800	VINYL CHLORIDE	UG_L	2	UJ
8260C	VPB159-GW-071315-798-800	XYLENES, TOTAL	UG_L	3	UJ
8260C	VPB159-GW-071315-818-820	1,1,1-TRICHLOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,1,2,2-TETRACHLOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,1,2-TRICHLOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,1-DICHLOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,1-DICHLOROETHENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,2,4-TRICHLOROBENZENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,2-DIBROMO-3-CHLOROPROPANE	UG_L	6	UJ
8260C	VPB159-GW-071315-818-820	1,2-DIBROMOETHANE	UG_L	4	UJ

Table A-1 Sample Integrity Non-Conformance					
Method	Sample ID	Analyte	Units	Result	Qualifier
8260C	VPB159-GW-071315-818-820	1,2-DICHLOROBENZENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,2-DICHLOROETHANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,2-DICHLOROETHENE, TOTAL	UG_L	8	UJ
8260C	VPB159-GW-071315-818-820	1,2-DICHLOROPROPANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,3-DICHLOROBENZENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	1,4-DICHLOROBENZENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	2-BUTANONE	UG_L	20	UJ
8260C	VPB159-GW-071315-818-820	2-HEXANONE	UG_L	20	UJ
8260C	VPB159-GW-071315-818-820	4-METHYL-2-PENTANONE	UG_L	20	UJ
8260C	VPB159-GW-071315-818-820	ACETONE	UG_L	20	UJ
8260C	VPB159-GW-071315-818-820	BENZENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	BROMODICHLOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	BROMOFORM	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	BROMOMETHANE	UG_L	8	UJ
8260C	VPB159-GW-071315-818-820	CARBON DISULFIDE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	CARBON TETRACHLORIDE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	CHLOROBENZENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	CHLOROETHANE	UG_L	8	UJ
8260C	VPB159-GW-071315-818-820	CHLOROFORM	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	CHLOROMETHANE	UG_L	8	UJ
8260C	VPB159-GW-071315-818-820	CIS-1,2-DICHLOROETHENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	CIS-1,3-DICHLOROPROPENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	CYCLOHEXANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	DIBROMOCHLOROMETHANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	DICHLORODIFLUOROMETHANE	UG_L	8	UJ
8260C	VPB159-GW-071315-818-820	ETHYLBENZENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	ISOPROPYLBENZENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	M- AND P-XYLENE	UG_L	8	UJ
8260C	VPB159-GW-071315-818-820	METHYL ACETATE	UG_L	6	UJ
8260C	VPB159-GW-071315-818-820	METHYL CYCLOHEXANE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	METHYL TERT-BUTYL ETHER	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	METHYLENE CHLORIDE	UG_L	20	UJ
8260C	VPB159-GW-071315-818-820	O-XYLENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	STYRENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	TETRACHLOROETHENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	TOLUENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	TRANS-1,2-DICHLOROETHENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	TRANS-1,3-DICHLOROPROPENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	TRICHLOROETHENE	UG_L	4	UJ
8260C	VPB159-GW-071315-818-820	TRICHLOROFLUOROMETHANE	UG_L	8	UJ
8260C	VPB159-GW-071315-818-820	VINYL CHLORIDE	UG_L	8	UJ
8260C	VPB159-GW-071315-818-820	XYLENES, TOTAL	UG_L	12	UJ

Notes:

UG_L = Micrograms per liter
UJ = Non-detect estimated value
J = Detected estimated value

Table A-2
Initial Calibration Verification Non-Conformance

SDG	Method	Analyte	ICV ID	%R	Limit	Associated Samples	Qualifier
SI4738	8260C	CHLOROETHANE	P1539A	127.5	80-120	VPB159-GW-070115-518-520 VPB159-GW-070115-543-545 VPB159-TB-070115	All associated non-detects qualified as estimated UJ
SI4695	8260C	CHLOROETHANE	P1539A	127.5	80-120	VPB159-FB-063015 VPB159-GW-062615-358-360 VPB159-GW-062615-378-380 VPB159-GW-062915-403-405 VPB159-GW-062915-418-420 VPB159-GW-062915-438-440 VPB159-GW-063015-458-460 VPB159-GW-063015-478-480 VPB159-GW-063015-503-505 VPB159-TB-063015	All associated non-detects qualified as estimated UJ
SI4811	8260C	CHLOROETHANE	P1539A	127.5	80-120	VPB159-GW-070215-558-560 VPB159-GW-070615-588-590 VPB159-GW-070615-598-600 VPB159-GW-070615-618-620 VPB159-TB-070215	All associated non-detects qualified as estimated UJ
SI4962	8260C	CHLOROETHANE	P1539A	127.5	80-120	VPB159-GW-070715-638-640 VPB159-GW-070715-658-660 VPB159-GW-070715-678-680 VPB159-GW-070915-698-700 VPB159-GW-070915-718-720 VPB159-GWD-070915 VPB159-TB-070915	All associated non-detects qualified as estimated UJ
SI5043	8260C	CHLOROETHANE	P1539A	127.5	80-120	VPB159-EB-071315 VPB159-GW-071015-738-740 VPB159-GW-071015-758-760 VPB159-GW-071015-778-780 VPB159-GW-071315-798-800 VPB159-GW-071315-818-820 VPB159-TB-071315	All associated non-detects qualified as estimated UJ
SI5191	8260C	CHLOROETHANE	P1539A	127.5	80-120	VPB159-GW-071415-838-840 VPB159-GW-071415-858-860 VPB159-GW-071515-883-885 VPB159-TB-071515	All associated non-detects qualified as estimated UJ

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

Table A-3
Continuing Calibration Verification Non-Conformance

SDG	Lab ID /Calibration ID	Analyte	%D	%D Limit	Associated Samples	Qualifiers
SI4695	WG165850-4/P1743.D	BROMOMETHANE	-35.38579	20	VPB159-FB-063015 VPB159-GW-062615-358-360 VPB159-GW-062615-378-380 VPB159-GW-062915-403-405 VPB159-GW-062915-418-420 VPB159-GW-062915-438-440 VPB159-GW-063015-458-460 VPB159-GW-063015-478-480 VPB159-GW-063015-503-505 VPB159-TB-063015	All associated non-detects qualified as estimated UJ.
SI4695	WG165850-4/P1743.D	ACETONE	28.81507	20	VPB159-FB-063015 VPB159-GW-062615-358-360 VPB159-GW-062615-378-380 VPB159-GW-062915-403-405 VPB159-GW-062915-418-420 VPB159-GW-062915-438-440 VPB159-GW-063015-458-460 VPB159-GW-063015-478-480 VPB159-GW-063015-503-505 VPB159-TB-063015	All associated non-detects qualified as estimated UJ. All associated detects qualified as estimated J.
SI4811	WG166100-4/P1844.D	BROMOMETHANE	-27.5433	20	VPB159-GW-070215-558-560 VPB159-GW-070615-588-590 VPB159-GW-070615-598-600 VPB159-GW-070615-618-620 VPB159-TB-070215	All associated non-detects qualified as estimated UJ.
SI4962	WG166414-4/P1923.D	BROMOMETHANE	-24.20901	20	VPB159-GW-070715-638-640 VPB159-GW-070715-658-660 VPB159-GW-070715-678-680 VPB159-GW-070915-698-700 VPB159-GW-070915-718-720 VPB159-GWD-070915 VPB159-TB-070915	All associated non-detects qualified as estimated UJ.
SI4962	WG166414-4/P1923.D	CARBON TETRACHLORIDE	22.72048	20	VPB159-GW-070715-638-640 VPB159-GW-070715-658-660 VPB159-GW-070715-678-680 VPB159-GW-070915-698-700 VPB159-GW-070915-718-720 VPB159-GWD-070915 VPB159-TB-070915	All associated non-detects qualified as estimated UJ.
SI5043	WG166464-4/P1939.D	BROMOMETHANE	-25.76058	20	VPB159-EB-071315 VPB159-GW-071015-738-740 VPB159-GW-071015-758-760 VPB159-GW-071015-778-780 VPB159-GW-071315-798-800 VPB159-GW-071315-818-820 VPB159-TB-071315	All associated non-detects qualified as estimated UJ.
SI5043	WG166464-4/P1939.D	METHYL ACETATE	-22.43807	20	VPB159-EB-071315 VPB159-GW-071015-738-740 VPB159-GW-071015-758-760 VPB159-GW-071015-778-780 VPB159-GW-071315-798-800 VPB159-GW-071315-818-820 VPB159-TB-071315	All associated non-detects qualified as estimated UJ.

Notes:

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

Table A-4
Lab Blank Non-Conformance
(Micrograms per liter)

Blank ID / SDG	Analyte	Blank Result	LOQ	Associated Sample	Qualifier
WG166177-2-SI4811	METHYLENE CHLORIDE	4.7	5.0	VPB159-GW-070215-558-560 VPB159-GW-070615-588-590	VPB159-GW-070215-558-560: U VPB159-GW-070615-588-590: U
WG166414-2-SI4962	METHYLENE CHLORIDE	1.3	5.0	VPB159-GW-070715-638-640 VPB159-GW-070715-658-660 VPB159-GW-070715-678-680 VPB159-GW-070915-698-700 VPB159-GW-070915-718-720 VPB159-GWD-070915 VPB159-TB-070915	VPB159-GW-070715-658-660: U
WG166464-2-SI5043	METHYLENE CHLORIDE	1.2	5.0	VPB159-EB-071315 VPB159-GW-071015-738-740 VPB159-GW-071015-758-760 VPB159-GW-071015-778-780 VPB159-GW-071315-798-800 VPB159-GW-071315-818-820 VPB159-TB-071315	VPB159-GW-071015-738-740: U VPB159-GW-071315-818-820: U

Notes:
SDG = Sample delivery group
LOQ = Limit of quantitation
U = Detected analyte qualified as non-detect due to sample result being less than 2 times the LOQ.

Table A-5
Field Blank Non-Conformance
(Micrograms per liter)

Blank ID / SDG	Analyte	Blank Result	LOQ	Associated Sample	Qualifier
VPB159-FB-063015/ SI4695	CHLOROFORM	0.82	1.0	VPB159-GW-062615-358-360 VPB159-GW-062615-378-380 VPB159-GW-062915-403-405 VPB159-GW-062915-418-420 VPB159-GW-062915-438-440 VPB159-GW-063015-458-460 VPB159-GW-063015-478-480 VPB159-GW-063015-503-505 VPB159-TB-063015	VPB159-GW-062615-358-360: U VPB159-GW-062915-438-440: U VPB159-GW-063015-458-460: U VPB159-GW-063015-478-480: U VPB159-GW-063015-503-505: U

Notes:
SDG = Sample delivery group
LOQ = Limit of quantitation
U = Detected analyte qualified as non-detect due to sample result being less than 2 times the LOQ.

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
bt	Trip blank contamination
c	Calibration issue
d	Reporting limit raised due to chromatographic interference
fd	Field duplicate relative percent difference
h	Holding times
i	Internal standard areas
k	Estimated Maximum Possible Concentration
l	Laboratory control sample
lc	Labeled compound recovery
ld	Laboratory duplicate relative percent difference
lp	Laboratory control sample/laboratory control sample duplicate relative percent difference
m	Matrix spike recovery
mc	Method compliance non-conformance
md	Matrix spike/matrix spike duplicate relative percent difference
nb	Negative laboratory blank contamination
p	Chemical preservation issue
r	Dual column relative percent difference
q	Quantitation issue
s	Surrogate recovery
su	Ion suppression
t	Temperature preservation issue
x	Percent solids
y	Serial dilution results
z	Interference check sample results (metals)

Attachment D
Final Results after Data Review

		Sample Delivery Group		SI4695		
		Lab ID		SI4695-1		
		Sample ID		VPB159-GW-062615-358-360		
		Sample Date		6/26/2015		
		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	2.8	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	0.55	J	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	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	2.3	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	5.7	J	c,mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c,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	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	bf,mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.3	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	0.58	J	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	49	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		SI4695		
		Lab ID		SI4695-2		
		Sample ID		VPB159-GW-062615-378-380		
		Sample Date		6/26/2015		
		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	2.6	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	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		SI4695		
		Lab ID		SI4695-3		
		Sample ID		VPB159-GW-062915-403-405		
		Sample Date		6/29/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	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	0.97	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	2.7	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	14	J	c,mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c,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	c,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	0.46	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	20	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		SI4695		
		Lab ID		SI4695-4DL		
		Sample ID		VPB159-GW-062915-418-420		
		Sample Date		6/29/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	10	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc
8260C	ACETONE	67-64-1	UG_L	26	J	c,mc
8260C	BENZENE	71-43-2	UG_L	1.4	J	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	c,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	c,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	16	J	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	2.5	J	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		SI4695		
		Lab ID		SI4695-5		
		Sample ID		VPB159-GW-062915-438-440		
		Sample Date		6/29/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	10		
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	1.1		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.3		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	3.8	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.2		
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	UJ	bf
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.3		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.78	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.5		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	190		
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		SI4695		
		Lab ID		SI4695-6		
		Sample ID		VPB159-GW-063015-458-460		
		Sample Date		6/30/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	11		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.2		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.9		
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.3	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	J	
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	UJ	bf
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.9		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	0.89	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	7		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	310		
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		SI4695		
		Lab ID		SI4695-7		
		Sample ID		VPB159-GW-063015-478-480		
		Sample Date		6/30/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	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	4.6	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	0.46	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	1.4	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
8260C	ACETONE	67-64-1	UG_L	3.3	J	c,mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c,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	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	bf,mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.4	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	0.34	J	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	3.1	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	140	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		SI4695		
		Lab ID		SI4695-9		
		Sample ID		VPB159-TB-063015		
		Sample Date		6/30/2015		
		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	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	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		SI4695		
		Lab ID		SI4695-08		
		Sample ID		VPB159-FB-063015		
		Sample Date		6/30/2015		
		Sample Type		Field Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.82	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	1.8		
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		SI4695		
		Lab ID		SI4695-10		
		Sample ID		VPB159-GW-063015-503-505		
		Sample Date		6/30/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.25	J	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	12	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.47	J	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2.8	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	2.5	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	3.9	J	c,mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c,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	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	bf,mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.5	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	0.68	J	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	2.8	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	330	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

Notes:

UG_L	=	Micrograms per liter
Qual	=	Final qualifier (Refer to Attachment B)
RC	=	Reason code (Refer to Attachment C

		Sample Delivery Group		SI4738		
		Lab ID		SI4738-1		
		Sample ID		VPB159-GW-070115-518-520		
		Sample Date		7/1/2015		
		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	1.9	J	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	11		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	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	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	2.8		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

		Sample Delivery Group		SI4738		
		Lab ID		SI4738-2		
		Sample ID		VPB159-TB-070115		
		Sample Date		7/1/2015		
		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	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	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		SI4738		
		Lab ID		SI4738-3		
		Sample ID		VPB159-GW-070115-543-545		
		Sample Date		7/1/2015		
		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	4.6		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.7		
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.3	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.3	J	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	13		
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	0.44	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.3		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	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	3		
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	200		
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L	=	Micrograms per liter
Qual	=	Final qualifier (Refer to Attachment B)
RC	=	Reason code (Refer to Attachment C

		Sample Delivery Group		SI4811		
		Lab ID		SI4811-3		
		Sample ID		VPB159-GW-070215-558-560		
		Sample Date		7/2/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.35	J	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	24	J	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.53	J	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	6	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	4.4	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
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	c,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	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	0.76	J	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	4.4	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	0.39	J	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	15	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	640	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		SI4811		
		Lab ID		SI4811-4		
		Sample ID		VPB159-TB-070215		
		Sample Date		7/2/2015		
		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	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	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		SI4811		
		Lab ID		SI4811-5		
		Sample ID		VPB159-GW-070615-588-590		
		Sample Date		7/6/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.34	J	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	0.48	J	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	4.9	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	4.3	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	13	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	c,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	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	0.6	J	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	4.3	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	11	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	450	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		SI4811		
		Lab ID		SI4811-6		
		Sample ID		VPB159-GW-070615-598-600		
		Sample Date		7/6/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.51	J	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	18	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	2.8	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	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	3.9	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	c,mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.35	J	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	0.33	J	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2	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	0.41	J	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	3	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	120	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		SI4811		
		Lab ID		SI4811-7		
		Sample ID		VPB159-GW-070615-618-620		
		Sample Date		7/6/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.49	J	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	18	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	2	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	2.6	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	6.8	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	c,mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.41	J	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	0.35	J	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.6	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	0.55	J	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	4.3	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	130	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

Notes:

UG_L	=	Micrograms per liter
Qual	=	Final qualifier (Refer to Attachment B)
RC	=	Reason code (Refer to Attachment C

		Sample Delivery Group		SI4962		
		Lab ID		SI4962-1		
		Sample ID		VPB159-GW-070715-638-640		
		Sample Date		7/7/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.9		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.37	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.29	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	1.7	J	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	11		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	c
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	0.29	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	11		
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		SI4962		
		Lab ID		SI4962-2DL		
		Sample ID		VPB159-GW-070715-658-660		
		Sample Date		7/7/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	10	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc
8260C	ACETONE	67-64-1	UG_L	9.6	J	mc
8260C	BENZENE	71-43-2	UG_L	2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	4	UJ	c,mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	UJ	c,mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	4	UJ	c,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	bl,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	1.4	J	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		SI4962		
		Lab ID		SI4962-3		
		Sample ID		VPB159-GW-070715-678-680		
		Sample Date		7/7/2015		
		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	31	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	0.44	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	0.76	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	2.2	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	11	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	c,mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	c,mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c,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	0.76	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	3.1	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	74	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		SI4962		
		Lab ID		SI4962-4		
		Sample ID		VPB159-GW-070915-698-700		
		Sample Date		7/9/2015		
		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	2		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.37	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	3.9	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	c
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	0.37	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	93		
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		SI4962		
		Lab ID		SI4962-5		
		Sample ID		VPB159-GWD-070915		
		Sample Date		7/9/2015		
		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	2.3		
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	0.34	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	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	c
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	0.34	J	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	99		
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 Lab ID Sample ID Sample Date Sample Type		SI4962 SI4962-6 VPB159-TB-070915 7/9/2015 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	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	c
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	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 Lab ID Sample ID Sample Date Sample Type		SI4962 SI4962-7DL VPB159-GW-070915-718-720 7/9/2015 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	12	J	mc
8260C	BENZENE	71-43-2	UG_L	1	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2	UJ	c,mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	UJ	c,mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2	UJ	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	1	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1.6	J	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	1	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	UJ	mc

Notes:

UG_L	=	Micrograms per liter
Qual	=	Final qualifier (Refer to Attachment B)
RC	=	Reason code (Refer to Attachment C

		Sample Delivery Group		SI5043		
		Lab ID		SI5043-1DL		
		Sample ID		VPB159-GW-071015-738-740		
		Sample Date		7/10/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	10	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	10	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	10	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	10	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	10	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	10	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	10	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	15	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	10	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	10	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	10	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	20	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	10	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	10	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	10	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	50	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	50	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	50	UJ	mc
8260C	ACETONE	67-64-1	UG_L	50	UJ	mc
8260C	BENZENE	71-43-2	UG_L	10	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	10	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	10	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	20	UJ	c,mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	10	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	10	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	10	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	20	UJ	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	10	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	20	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	10	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	10	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	10	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	10	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	20	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	10	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	10	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	20	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	15	UJ	c,mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	10	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	10	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	50	UJ	bl,mc
8260C	O-XYLENE	95-47-6	UG_L	10	UJ	mc
8260C	STYRENE	100-42-5	UG_L	10	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	10	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	10	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	10	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	10	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	10	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	20	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	20	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	30	UJ	mc

		Sample Delivery Group Lab ID Sample ID Sample Date Sample Type		SI5043 SI5043-2DL VPB159-GW-071015-758-760 7/10/2015 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	25	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	25	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	25	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	25	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	25	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	25	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	25	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	38	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	25	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	25	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	25	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	50	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	25	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	25	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	25	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	120	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	120	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	120	UJ	mc
8260C	ACETONE	67-64-1	UG_L	120	UJ	mc
8260C	BENZENE	71-43-2	UG_L	25	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	25	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	25	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	50	UJ	c,mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	25	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	25	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	25	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	50	UJ	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	25	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	50	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	25	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	25	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	25	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	25	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	50	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	25	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	25	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	50	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	38	UJ	c,mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	25	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	25	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	120	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	25	UJ	mc
8260C	STYRENE	100-42-5	UG_L	25	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	25	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	25	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	25	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	25	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	25	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	50	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	50	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	75	UJ	mc

		Sample Delivery Group		SI5043		
		Lab ID		SI5043-3		
		Sample ID		VPB159-GW-071015-778-780		
		Sample Date		7/10/2015		
		Sample Type		Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	6.6	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	c,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	c,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	c,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 Lab ID Sample ID Sample Date Sample Type		SI5043 SI5043-4DL VPB159-GW-071315-798-800 7/13/2015 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	13	J	mc
8260C	BENZENE	71-43-2	UG_L	1	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2	UJ	c,mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2	UJ	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	1	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	1	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	UJ	c,mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	2	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	UJ	mc

		Sample Delivery Group Lab ID Sample ID Sample Date Sample Type		SI5043 SI5043-5DL VPB159-GW-071315-818-820 7/13/2015 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	4	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	4	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	4	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	4	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	4	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	4	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	4	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	6	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	4	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	4	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	4	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	8	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	4	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	4	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	4	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	20	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	20	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	20	UJ	mc
8260C	ACETONE	67-64-1	UG_L	20	UJ	mc
8260C	BENZENE	71-43-2	UG_L	4	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	4	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	4	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	8	UJ	c,mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	4	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	4	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	4	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	8	UJ	c,mc
8260C	CHLOROFORM	67-66-3	UG_L	4	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	8	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	4	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	4	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	4	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	4	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	8	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	4	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	4	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	8	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	6	UJ	c,mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	4	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	4	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	20	UJ	bl,mc
8260C	O-XYLENE	95-47-6	UG_L	4	UJ	mc
8260C	STYRENE	100-42-5	UG_L	4	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	4	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	4	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	4	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	4	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	4	UJ	mc
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	8	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	8	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	12	UJ	mc

		Sample Delivery Group		SI5043		
		Lab ID		SI5043-6		
		Sample ID		VPB159-EB-071315		
		Sample Date		7/13/2015		
		Sample Type		Equipment Blank		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	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	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	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	UJ	c
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 Lab ID Sample ID Sample Date Sample Type		SI5043 SI5043-7 VPB159-TB-071315 7/13/2015 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	UJ	c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	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	UJ	c
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L	=	Micrograms per liter
Qual	=	Final qualifier (Refer to Attachment B)
RC	=	Reason code (Refer to Attachment C

		Sample Delivery Group Lab ID Sample ID Sample Date Sample Type		SI5191 SI5191-1 VPB159-GW-071415-838-840 7/14/2015 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	5.6	J	mc
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	c,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 Lab ID Sample ID Sample Date Sample Type		SI5191 SI5191-2DL VPB159-GW-071415-858-860 7/14/2015 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	10	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc
8260C	ACETONE	67-64-1	UG_L	10	UJ	mc
8260C	BENZENE	71-43-2	UG_L	2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	4	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	4	UJ	c,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 Lab ID Sample ID Sample Date Sample Type		SI5191 SI5191-3DL VPB159-GW-071515-883-885 7/15/2015 Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	10	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc
8260C	ACETONE	67-64-1	UG_L	10	UJ	mc
8260C	BENZENE	71-43-2	UG_L	2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	4	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	4	UJ	c,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		SI5191		
		Lab ID		SI5191-4		
		Sample ID		VPB159-TB-071515		
		Sample Date		7/15/2015		
		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	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	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

Notes:

UG_L	=	Micrograms per liter
Qual	=	Final qualifier (Refer to Attachment B)
RC	=	Reason code (Refer to Attachment C

			Sample Delivery Group	SI4695	
			Lab ID	SI4695-08	
			Sample ID	VPB159-FB-063015	
			Sample Date	6/30/2015	
			Sample Type	Field Blank	
Method	Analyte	CAS No	Units	Result	Qual
5310B	TOTAL ORGANIC CARBON	-28	MG_L	0.41	J

Notes:

MG_L	=	Milligrams per liter
Qual	=	Final qualifier (Refer to Attachment B)

			Sample Delivery Group	SI4811	SI4811
			Lab ID	SI4811-1	SI4811-2
			Sample ID	VPB159-SOIL-070115-548-550	VPB159-SOIL-D-070115
			Sample Date	7/1/2015	7/1/2015
			Sample Type	Soil	Field Duplicate
Method	Analyte	CAS No	Units	Result	Result
9060A	TOTAL ORGANIC CARBON	-28	UG_G	5800	3100

Notes:

MG_L = Milligrams per liter

				Sample Delivery Group	SI5043	
				Lab ID	SI5043-6	
				Sample ID	VPB159-EB-071315	
				Sample Date	7/13/2015	
				Sample Type	Equipment Blank	
Method	Analyte	CAS No	Units	Result		Qual
5310B	TOTAL ORGANIC CARBON	-28	MG_L	0.23		J

Notes:

MG_L	=	Milligrams per liter
Qual	=	Final qualifier (Refer to Attachment B)

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	SI5489	
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: 09/14/2015
Reviewed by:	Tina Cantwell/Resolution Consultants	File Name: SI5489_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 14 July 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
VPB159-AIR-071415	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		SI5489 / 200-28891	
		Lab ID		200-28891-1	
		Sample ID		VPB159-AIR-071415	
		Sample Date		7/14/2015	
		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	0.72	
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	
TO-15	BENZENE	71-43-2	PPBV	0.2	U
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	0.5	U
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	0.2	U
TO-15	DIBROMOCHLOROMETHANE	124-48-1	PPBV	0.2	U
TO-15	DICHLORODIFLUOROMETHANE	75-71-8	PPBV	0.5	U
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	0.5	U
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	U
TO-15	TOLUENE	108-88-3	PPBV	0.41	
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	0.2	U
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

VPB159 Analytical Data Table

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		6/18/2015	6/19/2015	6/23/2015	6/23/2015
Sample ID		VPB159-GW-061815-58-60	VPB159-GW-061915-103-105	VPB159-GW-062315-148-150	VPB159-GW-062315-203-205
Sample Interval (ft bgs)		58-60	103-105	148-150	203-205
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	**0.36 J**
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	**16**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**
1,1-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	**2.1**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 U	< 1.0 U	< 1.0 U	**4.2**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
ACETONE	50	**2.8 J**	**4.7 J**	**8.3**	**5.2**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	< 0.50 U	< 0.50 U	< 0.50 U	**0.68 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	**4.2**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	**0.74 J**
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 UJ	< 0.75 UJ	< 0.75 UJ
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	**5.5**
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
TRICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	**170**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	**0.25 J**
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		6/24/2015	6/24/2015	6/24/2015	6/25/2015
Sample ID		VPB159-GW-062415-218-220	VPB159-GW-062415-238-240	VPB159-GW-062415-258-260	VPB159-GW-062515-278-280
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	**0.36 J**	**0.37 J**	< 0.50 U	< 0.50 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**8.4**	**10**	**8.7**	**2.9**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
1,1-DICHLOROETHANE	5	**1.1**	**1.3**	**1.6 J**	**0.98 J**
1,1-DICHLOROETHENE	5	**1.1**	**1.4**	**0.83 J**	**0.93 J**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 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 UJ	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**2.3**	**2.6**	**1.6 J**	**3.0**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 UJ	< 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	**3.8 J**	**4.7 J**	**4.7 J**	**6.5**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 UJ	< 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 UJ	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	**0.72 J**	**0.55 J**	**0.43 J**	**0.90 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	**2.3**	**2.6**	**1.6 J**	**3.0**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 UJ***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 UJ	< 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	**0.67 J**	< 0.50 U	< 0.50 U	**0.44 J**
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U
TETRACHLOROETHENE	5	**3.4**	**3.9**	< 0.50 U	**8.3**
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 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	**100**	**140**	**25 J**	**120**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 UJ	< 1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		6/25/2015	6/25/2015	6/25/2015	6/25/2015
Sample ID		VPB159-GWD-062515	VPB159-GW-062515-298-300	VPB159-GW-062515-318-320	VPB159-GW-062515-338-340
Sample Interval (ft bgs)		278-280	298-300	318-320	338-340
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**2.9**	**0.37 J**	**6.2**	**20**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-DICHLOROETHANE	5	**0.97 J**	< 0.50 U	**1.5**	**2.1**
1,1-DICHLOROETHENE	5	**0.95 J**	< 0.50 U	**0.99 J**	**3.5**
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	**2.8**	**0.51 J**	**3.3**	**3.9**
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	**1.4 J**	**3.1 J**	< 2.5 U	< 2.5 U
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
ACETONE	50	**6.6**	**13**	**4.0 J**	**2.8 J**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	**0.83 J**	**0.38 J**	**0.77 J**	**0.68 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CIS-1,2-DICHLOROETHENE	5	**2.8**	**0.51 J**	**3.3**	**3.9**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	**0.38 J**
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	**0.37 J**	< 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	**8.8**	**1.5**	**14**	**9.8**
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***
TRICHLOROETHENE	5	**120**	**18**	**130**	**210**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		6/26/2015	6/26/2015	6/29/2015	6/29/2015
Sample ID		VPB159-GW-062615-358-360	VPB159-GW-062615-378-380	VPB159-GW-062915-403-405	VPB159-GW-062915-418-420
Sample Interval (ft bgs)		358-360	378-380	403-405	418-420
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	< 2.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**2.8 J**	< 0.50 U	**0.97 J**	< 2.0 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 UJ	< 0.50 U	< 0.50 UJ	***< 2.0 UJ***
1,1-DICHLOROETHANE	5	**0.55 J**	< 0.50 U	< 0.50 UJ	< 2.0 UJ
1,1-DICHLOROETHENE	5	**0.50 J**	< 0.50 U	< 0.50 UJ	< 2.0 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 UJ***	***< 0.75 U***	***< 0.75 UJ***	***< 3.0 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
1,2-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
1,2-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	**2.3 J**	< 1.0 U	< 1.0 UJ	< 4.0 UJ
1,2-DICHLOROPROPANE	1	< 0.50 UJ	< 0.50 U	< 0.50 UJ	***< 2.0 UJ***
1,3-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
1,4-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
2-BUTANONE	50	< 2.5 UJ	< 2.5 U	**2.7 J**	< 10 UJ
2-HEXANONE	50	< 2.5 UJ	< 2.5 U	< 2.5 UJ	< 10 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 U	< 2.5 UJ	< 10 UJ
ACETONE	50	**5.7 J**	**2.6 J**	**14 J**	**26 J**
BENZENE	1	< 0.50 UJ	< 0.50 U	< 0.50 UJ	**1.4 J**
BROMODICHLOROMETHANE	50	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
BROMOFORM	50	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
BROMOMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 4.0 UJ
CARBON DISULFIDE	60	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
CARBON TETRACHLORIDE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
CHLOROBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 4.0 UJ
CHLOROFORM	7	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 4.0 UJ
CIS-1,2-DICHLOROETHENE	5	**2.3 J**	< 0.50 U	< 0.50 UJ	< 2.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 U***	***< 0.50 UJ***	***< 2.0 UJ***
CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 4.0 UJ
ETHYLBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
ISOPROPYLBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
M- AND P-XYLENE	NL	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 4.0 UJ
METHYL ACETATE	NL	< 0.75 UJ	< 0.75 U	< 0.75 UJ	< 3.0 UJ
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
METHYL TERT-BUTYL ETHER	10	**0.58 J**	< 0.50 U	< 0.50 UJ	**16 J**
METHYLENE CHLORIDE	5	< 2.5 UJ	< 2.5 U	< 2.5 UJ	***< 10 UJ***
O-XYLENE	NL	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
STYRENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
TETRACHLOROETHENE	5	**7.6 J**	< 0.50 U	**0.46 J**	< 2.0 UJ
TOLUENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 2.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 U***	***< 0.50 UJ***	***< 2.0 UJ***
TRICHLOROETHENE	5	**49 J**	< 0.50 U	**20 J**	**2.5 J**
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 4.0 UJ
VINYL CHLORIDE	2	< 1.0 UJ	< 1.0 U	< 1.0 UJ	***< 4.0 UJ***
XYLENES, TOTAL	5	< 1.5 UJ	< 1.5 U	< 1.5 UJ	***< 6.0 UJ***

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		6/29/2015	6/30/2015	6/30/2015	6/30/2015
Sample ID		VPB159-GW-062915-438-440	VPB159-GW-063015-458-460	VPB159-GW-063015-478-480	VPB159-GW-063015-503-505
Sample Interval (ft bgs)		438-440	458-460	478-480	503-505
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	**0.25 J**
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**10**	**11**	**4.6 J**	**12 J**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 UJ	**0.47 J**
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,1-DICHLOROETHENE	5	**1.1**	**1.2**	**0.46 J**	**2.8 J**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 UJ***	***< 0.75 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	**2.3**	**2.9**	**1.4 J**	**2.5 J**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ
ACETONE	50	**3.8 J**	**2.3 J**	**3.3 J**	**3.9 J**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
BROMOFORM	50	< 0.50 U	< 0.50 U	< 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 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
CARBON TETRACHLORIDE	5	**1.2**	**0.50 J**	< 0.50 UJ	< 0.50 UJ
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
CIS-1,2-DICHLOROETHENE	5	**2.3**	**2.9**	**1.4 J**	**2.5 J**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 UJ***	***< 0.50 UJ***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
DICHLORODIFLUOROMETHANE	5	**0.78 J**	**0.89 J**	**0.34 J**	**0.68 J**
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 UJ	< 0.75 UJ
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
TETRACHLOROETHENE	5	**2.5**	**7.0**	**3.1 J**	**2.8 J**
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 UJ***	***< 0.50 UJ***
TRICHLOROETHENE	5	**190**	**310**	**140 J**	**330 J**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 UJ	< 1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		7/1/2015	7/1/2015	7/2/2015	7/6/2015
Sample ID		VPB159-GW-070115-518-520	VPB159-GW-070115-543-545	VPB159-GW-070215-558-560	VPB159-GW-070615-588-590
Sample Interval (ft bgs)		518-520	543-545	558-560	588-590
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	**0.35 J**	**0.34 J**
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 U	**4.6**	**24 J**	**17 J**
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	**0.53 J**	**0.48 J**
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,1-DICHLOROETHENE	5	< 0.50 U	**1.7**	**6.0 J**	**4.9 J**
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 UJ***	***< 0.75 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 U	**1.3 J**	**4.4 J**	**4.3 J**
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
2-BUTANONE	50	**1.9 J**	**2.3 J**	< 2.5 UJ	< 2.5 UJ
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ
ACETONE	50	**11**	**13**	**4.9 J**	**13 J**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	< 0.50 U	**0.44 J**	**0.76 J**	**0.60 J**
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
CIS-1,2-DICHLOROETHENE	5	< 0.50 U	**1.3**	**4.4 J**	**4.3 J**
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 UJ***	***< 0.50 UJ***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	**0.39 J**	< 1.0 UJ
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 UJ	< 0.75 UJ
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
TETRACHLOROETHENE	5	< 0.50 U	**3.0**	**15 J**	**11 J**
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 UJ***	***< 0.50 UJ***
TRICHLOROETHENE	5	**2.8**	**200**	**640 J**	**450 J**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 UJ	< 1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		7/6/2015	7/6/2015	7/7/2015	7/7/2015
Sample ID		VPB159-GW-070615-598-600	VPB159-GW-070615-618-620	VPB159-GW-070715-638-640	VPB159-GW-070715-658-660
Sample Interval (ft bgs)		598-600	618-620	638-640	658-660
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	**0.51 J**	**0.49 J**	< 0.50 U	< 2.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**18 J**	**18 J**	**2.9**	< 2.0 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 UJ	< 0.50 UJ	< 0.50 U	***< 2.0 UJ***
1,1-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
1,1-DICHLOROETHENE	5	**2.8 J**	**2.0 J**	**0.37 J**	< 2.0 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 UJ***	***< 0.75 UJ***	***< 0.75 U***	***< 3.0 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
1,2-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
1,2-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	**2.0 J**	**2.6 J**	**0.29 J**	< 4.0 UJ
1,2-DICHLOROPROPANE	1	< 0.50 UJ	< 0.50 UJ	< 0.50 U	***< 2.0 UJ***
1,3-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
1,4-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
2-BUTANONE	50	< 2.5 UJ	< 2.5 UJ	**1.7 J**	< 10 UJ
2-HEXANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 U	< 10 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 U	< 10 UJ
ACETONE	50	**3.9 J**	**6.8 J**	**11**	**9.6 J**
BENZENE	1	< 0.50 UJ	< 0.50 UJ	< 0.50 U	***< 2.0 UJ***
BROMODICHLOROMETHANE	50	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
BROMOFORM	50	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
BROMOMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 4.0 UJ
CARBON DISULFIDE	60	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
CARBON TETRACHLORIDE	5	**0.35 J**	**0.41 J**	< 0.50 UJ	< 2.0 UJ
CHLOROBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 4.0 UJ
CHLOROFORM	7	**0.33 J**	**0.35 J**	< 0.50 U	< 2.0 UJ
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 U	< 4.0 UJ
CIS-1,2-DICHLOROETHENE	5	**2.0 J**	**2.6 J**	**0.29 J**	< 2.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 U***	***< 2.0 UJ***
CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
DICHLORODIFLUOROMETHANE	5	**0.41 J**	**0.55 J**	< 1.0 U	< 4.0 UJ
ETHYLBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
ISOPROPYLBENZENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
M- AND P-XYLENE	NL	< 1.0 UJ	< 1.0 UJ	< 1.0 U	< 4.0 UJ
METHYL ACETATE	NL	< 0.75 UJ	< 0.75 UJ	< 0.75 U	< 3.0 UJ
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
METHYLENE CHLORIDE	5	< 2.5 UJ	< 2.5 UJ	< 2.5 U	***< 10 UJ***
O-XYLENE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
STYRENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
TETRACHLOROETHENE	5	**3.0 J**	**4.3 J**	< 0.50 U	< 2.0 UJ
TOLUENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 U	< 2.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 U***	***< 2.0 UJ***
TRICHLOROETHENE	5	**120 J**	**130 J**	**11**	**1.4 J**
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 U	< 4.0 UJ
VINYL CHLORIDE	2	< 1.0 UJ	< 1.0 UJ	< 1.0 U	***< 4.0 UJ***
XYLENES, TOTAL	5	< 1.5 UJ	< 1.5 UJ	< 1.5 U	***< 6.0 UJ***

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		7/7/2015	7/9/2015	7/9/2015	7/9/2015
Sample ID		VPB159-GW-070715-678-680	VPB159-GW-070915-698-700	VPB159-GWD-070915	VPB159-GW-070915-718-720
Sample Interval (ft bgs)		678-680	698-700	698-700	718-720
Sample type code		N	N	FD	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**31 J**	**2.0**	**2.3**	< 1.0 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,1-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,1-DICHLOROETHENE	5	**0.44 J**	< 0.50 U	< 0.50 U	< 1.0 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 UJ***	***< 0.75 U***	***< 0.75 U***	***< 1.5 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,2-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,2-DICHLOROETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	**0.76 J**	**0.37 J**	**0.34 J**	< 2.0 UJ
1,2-DICHLOROPROPANE	1	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,3-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
1,4-DICHLOROBENZENE	3	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
2-BUTANONE	50	**2.2 J**	< 2.5 U	< 2.5 U	< 5.0 UJ
2-HEXANONE	50	< 2.5 UJ	< 2.5 U	< 2.5 U	< 5.0 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 U	< 2.5 U	< 5.0 UJ
ACETONE	50	**11 J**	**3.9 J**	**4.3 J**	**12 J**
BENZENE	1	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
BROMODICHLOROMETHANE	50	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
BROMOFORM	50	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
BROMOMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 2.0 UJ
CARBON DISULFIDE	60	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
CARBON TETRACHLORIDE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 1.0 UJ
CHLOROBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
CHLOROETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 2.0 UJ
CHLOROFORM	7	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 U	**1.6 J**
CIS-1,2-DICHLOROETHENE	5	**0.76 J**	**0.37 J**	**0.34 J**	< 1.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 U***	***< 0.50 U***	***< 1.0 UJ***
CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 2.0 UJ
ETHYLBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
ISOPROPYLBENZENE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
M- AND P-XYLENE	NL	< 1.0 UJ	< 1.0 U	< 1.0 U	< 2.0 UJ
METHYL ACETATE	NL	< 0.75 UJ	< 0.75 U	< 0.75 U	< 1.5 UJ
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
METHYLENE CHLORIDE	5	< 2.5 UJ	< 2.5 U	< 2.5 U	< 5.0 UJ
O-XYLENE	NL	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
STYRENE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
TETRACHLOROETHENE	5	**3.1 J**	< 0.50 U	< 0.50 U	< 1.0 UJ
TOLUENE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 UJ***	***< 0.50 U***	***< 0.50 U***	***< 1.0 UJ***
TRICHLOROETHENE	5	**74 J**	**93**	**99**	< 1.0 UJ
TRICHLOROFLUOROMETHANE	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 2.0 UJ
VINYL CHLORIDE	2	< 1.0 UJ	< 1.0 U	< 1.0 U	< 2.0 UJ
XYLENES, TOTAL	5	< 1.5 UJ	< 1.5 U	< 1.5 U	< 3.0 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		7/10/2015	7/10/2015	7/10/2015	7/13/2015
Sample ID		VPB159-GW-071015-738-740	VPB159-GW-071015-758-760	VPB159-GW-071015-778-780	VPB159-GW-071315-798-800
Sample Interval (ft bgs)		738-740	758-760	778-780	798-800
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,1,2-TRICHLOROETHANE	1	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,1-DICHLOROETHANE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,1-DICHLOROETHENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,2,4-TRICHLOROBENZENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 15 UJ***	***< 38 UJ***	***< 0.75 UJ***	***< 1.5 UJ***
1,2-DIBROMOETHANE	NL	< 10 UJ	< 25 UJ	< 0.50 UJ	< 1.0 UJ
1,2-DICHLOROBENZENE	3	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,2-DICHLOROETHANE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	***< 20 UJ***	***< 50 UJ***	< 1.0 UJ	< 2.0 UJ
1,2-DICHLOROPROPANE	1	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,3-DICHLOROBENZENE	3	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
1,4-DICHLOROBENZENE	3	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
2-BUTANONE	50	< 50 UJ	***< 120 UJ***	< 2.5 UJ	< 5.0 UJ
2-HEXANONE	50	< 50 UJ	***< 120 UJ***	< 2.5 UJ	< 5.0 UJ
4-METHYL-2-PENTANONE	NL	< 50 UJ	< 120 UJ	< 2.5 UJ	< 5.0 UJ
ACETONE	50	< 50 UJ	***< 120 UJ***	**6.6 J**	**13 J**
BENZENE	1	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
BROMODICHLOROMETHANE	50	< 10 UJ	< 25 UJ	< 0.50 UJ	< 1.0 UJ
BROMOFORM	50	< 10 UJ	< 25 UJ	< 0.50 UJ	< 1.0 UJ
BROMOMETHANE	5	***< 20 UJ***	***< 50 UJ***	< 1.0 UJ	< 2.0 UJ
CARBON DISULFIDE	60	< 10 UJ	< 25 UJ	< 0.50 UJ	< 1.0 UJ
CARBON TETRACHLORIDE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
CHLOROBENZENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
CHLOROETHANE	5	***< 20 UJ***	***< 50 UJ***	< 1.0 UJ	< 2.0 UJ
CHLOROFORM	7	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
CHLOROMETHANE	5	***< 20 UJ***	***< 50 UJ***	< 1.0 UJ	< 2.0 UJ
CIS-1,2-DICHLOROETHENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 10 UJ***	***< 25 UJ***	***< 0.50 UJ***	***< 1.0 UJ***
CYCLOHEXANE	NL	< 10 UJ	< 25 UJ	< 0.50 UJ	< 1.0 UJ
DIBROMOCHLOROMETHANE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
DICHLORODIFLUOROMETHANE	5	***< 20 UJ***	***< 50 UJ***	< 1.0 UJ	< 2.0 UJ
ETHYLBENZENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
ISOPROPYLBENZENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
M- AND P-XYLENE	NL	< 20 UJ	< 50 UJ	< 1.0 UJ	< 2.0 UJ
METHYL ACETATE	NL	< 15 UJ	< 38 UJ	< 0.75 UJ	< 1.5 UJ
METHYL CYCLOHEXANE	NL	< 10 UJ	< 25 UJ	< 0.50 UJ	< 1.0 UJ
METHYL TERT-BUTYL ETHER	10	< 10 UJ	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
METHYLENE CHLORIDE	5	***< 50 UJ***	***< 120 UJ***	< 2.5 UJ	< 5.0 UJ
O-XYLENE	NL	< 10 UJ	< 25 UJ	< 0.50 UJ	< 1.0 UJ
STYRENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
TETRACHLOROETHENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
TOLUENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
TRANS-1,2-DICHLOROETHENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 10 UJ***	***< 25 UJ***	***< 0.50 UJ***	***< 1.0 UJ***
TRICHLOROETHENE	5	***< 10 UJ***	***< 25 UJ***	< 0.50 UJ	< 1.0 UJ
TRICHLOROFLUOROMETHANE	5	***< 20 UJ***	***< 50 UJ***	< 1.0 UJ	< 2.0 UJ
VINYL CHLORIDE	2	***< 20 UJ***	***< 50 UJ***	< 1.0 UJ	< 2.0 UJ
XYLENES, TOTAL	5	***< 30 UJ***	***< 75 UJ***	< 1.5 UJ	< 3.0 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB159	VPB159	VPB159	VPB159
Sample Date		7/13/2015	7/14/2015	7/14/2015	7/15/2015
Sample ID		VPB159-GW-071315-818-820	VPB159-GW-071415-838-840	VPB159-GW-071415-858-860	VPB159-GW-071515-883-885
Sample Interval (ft bgs)		818-820	838-840	858-860	883-885
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,1,2-TRICHLOROETHANE	1	***< 4.0 UJ***	< 0.50 UJ	***< 2.0 UJ***	***< 2.0 UJ***
1,1-DICHLOROETHANE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,1-DICHLOROETHENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,2,4-TRICHLOROBENZENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 6.0 UJ***	***< 0.75 UJ***	***< 3.0 UJ***	***< 3.0 UJ***
1,2-DIBROMOETHANE	NL	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,2-DICHLOROBENZENE	3	***< 4.0 UJ***	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,2-DICHLOROETHANE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	***< 8.0 UJ***	< 1.0 UJ	< 4.0 UJ	< 4.0 UJ
1,2-DICHLOROPROPANE	1	***< 4.0 UJ***	< 0.50 UJ	***< 2.0 UJ***	***< 2.0 UJ***
1,3-DICHLOROBENZENE	3	***< 4.0 UJ***	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
1,4-DICHLOROBENZENE	3	***< 4.0 UJ***	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
2-BUTANONE	50	< 20 UJ	< 2.5 UJ	< 10 UJ	< 10 UJ
2-HEXANONE	50	< 20 UJ	< 2.5 UJ	< 10 UJ	< 10 UJ
4-METHYL-2-PENTANONE	NL	< 20 UJ	< 2.5 UJ	< 10 UJ	< 10 UJ
ACETONE	50	< 20 UJ	**5.6 J**	< 10 UJ	< 10 UJ
BENZENE	1	***< 4.0 UJ***	< 0.50 UJ	***< 2.0 UJ***	***< 2.0 UJ***
BROMODICHLOROMETHANE	50	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
BROMOFORM	50	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
BROMOMETHANE	5	***< 8.0 UJ***	< 1.0 UJ	< 4.0 UJ	< 4.0 UJ
CARBON DISULFIDE	60	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
CARBON TETRACHLORIDE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
CHLOROBENZENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
CHLOROETHANE	5	***< 8.0 UJ***	< 1.0 UJ	< 4.0 UJ	< 4.0 UJ
CHLOROFORM	7	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
CHLOROMETHANE	5	***< 8.0 UJ***	< 1.0 UJ	< 4.0 UJ	< 4.0 UJ
CIS-1,2-DICHLOROETHENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 4.0 UJ***	***< 0.50 UJ***	***< 2.0 UJ***	***< 2.0 UJ***
CYCLOHEXANE	NL	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
DIBROMOCHLOROMETHANE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
DICHLORODIFLUOROMETHANE	5	***< 8.0 UJ***	< 1.0 UJ	< 4.0 UJ	< 4.0 UJ
ETHYLBENZENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
ISOPROPYLBENZENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
M- AND P-XYLENE	NL	< 8.0 UJ	< 1.0 UJ	< 4.0 UJ	< 4.0 UJ
METHYL ACETATE	NL	< 6.0 UJ	< 0.75 UJ	< 3.0 UJ	< 3.0 UJ
METHYL CYCLOHEXANE	NL	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
METHYL TERT-BUTYL ETHER	10	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
METHYLENE CHLORIDE	5	***< 20 UJ***	< 2.5 UJ	***< 10 UJ***	***< 10 UJ***
O-XYLENE	NL	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
STYRENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
TETRACHLOROETHENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
TOLUENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
TRANS-1,2-DICHLOROETHENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 4.0 UJ***	***< 0.50 UJ***	***< 2.0 UJ***	***< 2.0 UJ***
TRICHLOROETHENE	5	< 4.0 UJ	< 0.50 UJ	< 2.0 UJ	< 2.0 UJ
TRICHLOROFLUOROMETHANE	5	***< 8.0 UJ***	< 1.0 UJ	< 4.0 UJ	< 4.0 UJ
VINYL CHLORIDE	2	***< 8.0 UJ***	< 1.0 UJ	***< 4.0 UJ***	***< 4.0 UJ***
XYLENES, TOTAL	5	***< 12 UJ***	< 1.5 UJ	***< 6.0 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 interval (ft bgs): sample interval in feet below ground surface

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

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

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

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

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

Section 6

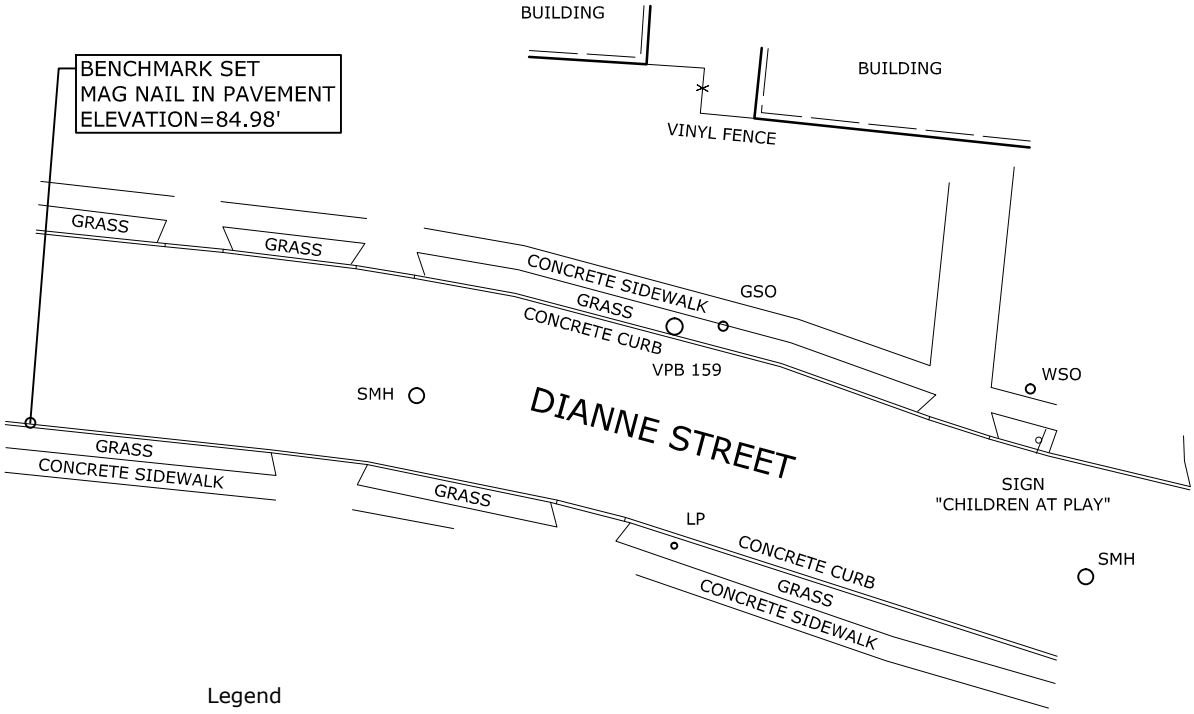
VPB159 Survey

NONE :XREFS

Description	Northing	Easting	Latitude	Longitude	Ground	Rim	PVC
VPB 159	204774.69	1124447.18	N40-43-39.45	W73-29-39.02	85.77	NA	NA

Map Notes

1. Information shown hereon was compiled from an actual field survey conducted on December 7, 2015.
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.



Legend

o	GSO	Gas Shutoff
∘	LP	Light Pole
○	SMH	Sanitary Manhole
○	VPB 140	Vertical Profile Boring
∘	WSO	Water Shutoff

BAR SCALE

30 0 15 30 60

1 inch = 30 ft.

DWG NO. 15-661

Date	RECORD OF WORK	Appr.

Drafter: LMK | Checker: JFC

Appr. by: JFC | Proj. No. 14.4121

VERTICAL PROFILE BORING 159 SURVEY LOCATION
3819 DIANNE STREET

TOWN OF SEAFORD | NASSAU COUNTY, NEW YORK

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

SCALE: 1"=30' | DATE: DECEMBER 7, 2015

CAD DWG. FILE NAME: K:\Projects\144121\Survey\Drawings and Maps\VPB 159.dwg