2016 OU2 GROUNDWATER INVESTIGATION DATA SUMMARY REPORT VPB162

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

Prepared for:

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

June 2017

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9324 Virginia Avenue
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Norfolk, Virginia 23511

Prepared by:

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

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Brian Caldwell

Brian Caldwell
Contract Task Order Manager

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List of Acronyms and Abbreviations

AOC	Area of Concern
bgs	below ground surface
COR	Continuously Operating Reference
CSM	Conceptual Site Model
DoD	Department of Defense
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency, United States
ESS	Environmental Sequence Stratigraphy
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 VPB162 location) in 2016 for the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Operable Unit (OU) 2 Site 1 offsite plume. NWIRP Bethpage is located in east-central Nassau County, Long Island, New York, approximately 30 miles east of New York City (Figure 1).

1.1 Scope and Objectives

This data summary report provides information on the installation of VPB162. The purpose of the VPB162 investigation was to ascertain subsurface conditions and contaminant levels and the southeastern extent of the offsite plume south of Hempstead Turnpike and east of Route 135. VPB locations within the general vicinity of VPB162 are shown in Figure 2. VPB162 was completed to 1010 feet (ft) below ground surface (bgs).

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

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

1.2 Site History

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

The Navy’s property originally totaled 109.5 acres and was formerly a Government-Owned Contractor-Operated (GOCO) facility that was operated by Northrop Grumman (NG) until September 1998. Prior to 2002, the NWIRP property was bordered on the north, west, and south

by current or former NG facilities, and on the east by a residential neighborhood. By March 2008, approximately 100 acres of NWIRP property were transferred to Nassau County in three separate actions. The remaining 9 acres and access easements were retained by the Navy to continue remedial efforts at Installation Restoration (IR) Site 1 – Former Drum Marshalling Area and Site 4 – Former Underground Storage Tanks (Area of Concern [AOC] 22). A parcel of land connecting the two sites was also retained. Currently, the 9-acre parcel of NWIRP is bordered on the east by a residential neighborhood and on the north, south, and west by Steel Equities; however, a small portion near Sites 2 and 3 is still owned by Nassau County. Access to the NWIRP is from South Oyster Bay Road.

1.3 Geology and Hydrogeology

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

The upper Pleistocene ranges in thickness from approximately 50 to 100 ft and consists of till and outwash deposits of medium to coarse sand and gravel with lenses of fine sand, silt and clay (Smolensky and Feldman, 1988); these deposits form the Upper Glacial Aquifer. Directly underlying this unit is the Magothy Formation with a thickness of 650 to 900 ft that extends to a depth of 700 to 1,000 ft bgs, as observed at the former NWIRP and extending southeast to areas south of Southern State Parkway. Locally at VPB162, the bottom of the Magothy (top of the Raritan Clay) is encountered at approximately 973 feet bgs. The Magothy is characterized by fine to medium sands and silts interbedded with zones of clays, silty sands and sandy clays. Sand and gravel lenses are found in some areas between depths of 600 and 880 ft bgs; these deposits form the main producing zones of the Magothy Aquifer

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

environment. The material consists of fine to coarse-grained sands, gravel, inter-bedded clay, and silty sand. These deposits form the Lloyd Aquifer.

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

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

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

Resolution Consultants reviewed the geologic data and regional literature and developed four representative base-wide cross sections to support development of a Conceptual Site Model (CSM). A description of the application of Environmental Sequence Stratigraphy (ESS) and the results are provided in Appendix B.

2.0 FIELD PROGRAM

Field investigation activities at VPB162 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 (VPB162) was completed during this field effort between June 23, 2016 and August 2, 2016. The total depth of VPB162 was 1010 ft. The location is shown in Figure 2 and details are summarized in Table 1.

2.1.1 Drilling

VPB162 was installed by setting a 10-inch diameter surface casing to 54 ft bgs and then setting an 8-inch diameter casing to a depth of 120 ft bgs using mud rotary drilling techniques. Drilling mud consisted of potable water and polymer-free sodium bentonite or equivalent material. Drilling mud was contained and re-circulated in baffled, high capacity mud tubs. A sand separator was used intermittently to remove fines from circulation.

2.1.2 Sampling

A total of seven (7) split spoon samples were collected from ground surface to the bottom of the boring. A change in geology was observed by the field geologist at 973 ft bgs and three (3) 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 VPB162 is included in Appendix A.

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

Resolution Consultants. Groundwater grab sample logs, data validation packages, and analytical data tables are included in Appendix A.

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

2.1.3 Geophysics

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

2.2 Decontamination and Investigation Derived Waste (IDW)

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

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

- Target Compound List (TCL) VOCs

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

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

2.3 Surveying

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

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

3.0 REFERENCES

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

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

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

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

Smolensky, D., and Feldman, S., 1988. *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
2016 OU2 GROUNDWATER INVESTIGATION
NWIRP BETHPAGE, NY

BORING	BORING START DATE	BORING COMPLETION DATE	GROUND ELEVATION (MSL)	TOTAL DEPTH (ft bgs)	SURFACE CASING SET AT (ft bgs)[1]	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
VPB162	6/23/2016	8/2/2016	69.00	1010	54	7	1007	42/2/6	178-180	7/19/2016	RE128D1, RE128D2

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

[1] 8-inch casing was installed to 120 feet inside 10-inch surface casing.

Figures

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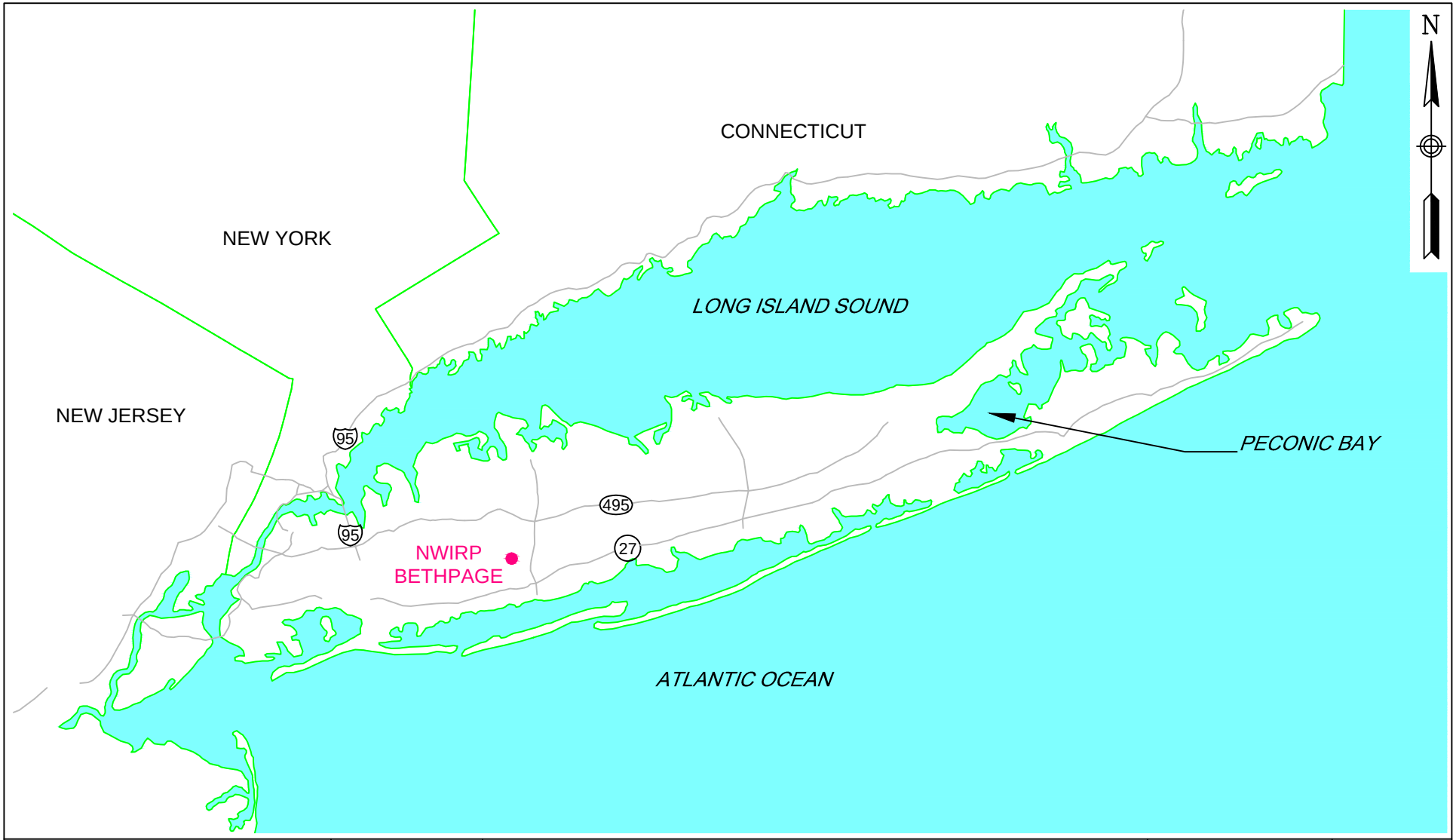


0 15 30

SCALE IN MILES

NAVFAC

GENERAL LOCATION MAP
NWIRP BETHPAGE
BETHPAGE, NEW YORK

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

F:\Projects\Navy\Bethpage WXE0817.0 Deliverables\7.2 CADD\GIS_files\Bethpage\MAP DOCS\MXD\MISC\Location Maps\F2 VPB162 2017 01 31 R1.mxd

Former Naval Weapons Industrial Reserve Plant

Former Northrop Grumman Site

Inset: VPB162 Location

VPB44
VPB162
VPB162
RE128D1
RE128D2
BPOW2-1
BPOW2-2
BPOW2-3
Reading Ln
Harbourne Rd
Elizabeth Dr
Shelly Ln
Hunt Pl
Mollis Rd
Boundary Ave
N Virginia Ave
Mohawk Dr
Manchester Dr
Hicksville Rd
Jacqueline Rd
Eleanor Dr
Shawnee Dr
Harriet Rd
E Service Rd
Rosemary Dr
N Iowa Ave
N Idaho Ave
Vinton St
Mohegan Dr
Seneca Dr
Cheryl Rd
Gail Dr
N Boston Ave
N Wisconsin Ave
State Hwy 135
0 375 750 Feet

Bethpage
Plainedge
South Farmingdale
North Massapequa
Levittown
North Wantagh

Legend

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

NAVFAC

VPB162 LOCATION MAP
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK

CONTRACT NUMBER	CTO NUMBER
N62470-11-D8013	WE15
APPROVED BY	DATE
PS	1/31/2017
APPROVED BY	DATE
—	—
FIGURE NO.	REV
2	0

Appendix A

VPB162

Section 1

VPB162 Boring and Gamma Logs

Resolution Consultants

Boring Log

BORING #: **VPB162**
Sheet 1 of 17

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic		**Logged By:** V. Varricchio
Location: East Service Road & N. Virginia Ave, Massapequa, NY	**Northing:** 200575.06 **Easting:** 1129221.74	**Drilling Company:** Delta Well & Pump
Project #: 60266526	**Ground Elevation (ft amsl):** 69.00	**Well Screen Interval (ft):** NA
Start Date: 6/23/2016	**Drilling Method:** Auger (0-50' bgs) Mud Rotary (>50' bgs)	**Water Level (ft):** NA
Finish Date: 8/2/2016		**Total Depth (ft):** 1010.0

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

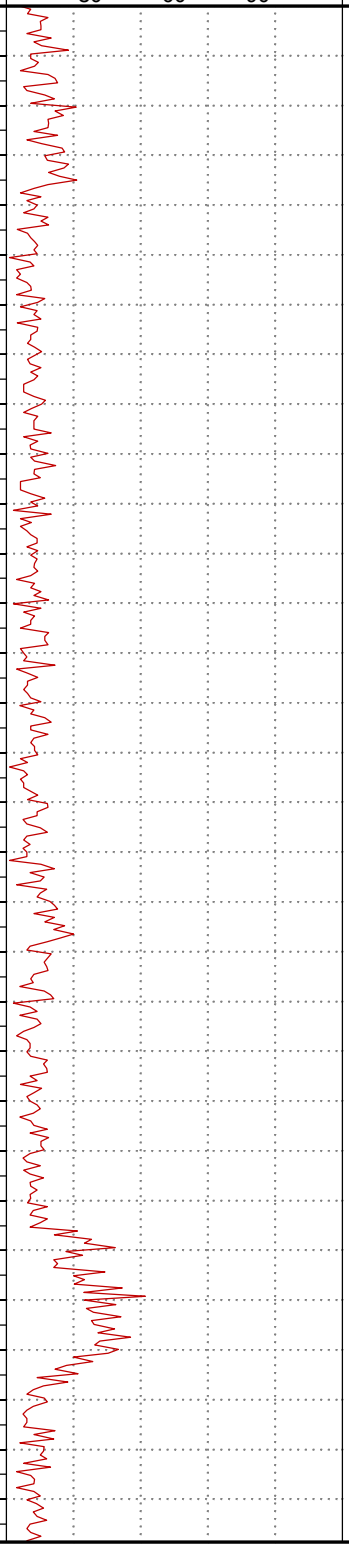
DEPTH (ft)	Gamma Ray (30 60 90)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
0–2						SP		Yellowish brown (10YR 5/4) poorly graded medium subrounded SAND
2–4								
4–6						SP		Yellowish brown (10YR 5/6) poorly graded medium subrounded SAND, few fine subrounded Gravel
6–8								
8–10						SP		Yellowish brown (10YR 5/6) poorly graded medium subrounded SAND, few fine subrounded Gravel
10–12								
12–14						SP		Yellowish brown (10YR 5/6) poorly graded medium subrounded SAND, few fine subrounded Gravel
14–16								
16–18						SP		Yellowish brown (10YR 5/6) poorly graded medium subrounded SAND, few fine subrounded Gravel
18–20								
20–22						SP		Yellowish brown (10YR 5/6) poorly graded medium subrounded SAND, few fine to coarse subrounded Gravel
22–24								
24–26						SP		Yellowish brown (10YR 5/6) poorly graded medium subrounded SAND, few fine subrounded Gravel
26–28								
28–30						SP		Brown (10YR 4/3) poorly graded medium subrounded SAND, few fine subrounded Gravel
30–32								
32–34						SP		Yellowish brown (10YR 5/6) poorly graded medium to coarse subrounded SAND, trace fine subrounded Gravel
34–36								
36–38						SP		Yellowish brown (10YR 5/4) poorly graded medium to coarse subrounded SAND, trace fine subrounded Gravel
38–40								
40–42						SP		Yellowish brown (10YR 5/4) poorly graded medium to coarse subrounded SAND, trace fine subrounded Gravel
42–44								
44–46						SP		
46–48								
48–50						SP		
50–52								
52–54						SP		

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: **VPB162**
Sheet 2 of 17



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
54							
56					SP		Yellowish brown (10YR 5/4) poorly graded medium to coarse subrounded SAND, trace fine subrounded Gravel *(continued)*
58							
60		<0.50	<0.50		GM		Yellowish brown (10YR 5/6) Silty fine to coarse subrounded GRAVEL, few fine sand, trace muscovite, trace iron nodules
62							
64					GP		Yellowish brown (10YR 5/6) poorly graded fine subrounded GRAVEL, little medium to coarse subrounded Sand, trace iron nodules
66							
68							
70					GP		Yellowish brown (10YR 5/6) poorly graded fine subrounded GRAVEL, little medium to coarse subrounded Sand, trace iron nodules
72							
74					GP		Yellowish brown (10YR 5/6) poorly graded fine subrounded GRAVEL, little medium to coarse subrounded Sand, trace iron nodules
76							
78							
80					GW		Yellowish red (5YR 5/6) well graded fine to coarse subrounded GRAVEL, some coarse subrounded Sand
82							
84					GW		Yellowish red (5YR 5/6) well graded fine to coarse subrounded GRAVEL, some coarse subrounded Sand
86							
88							
90					GC		Yellowish brown (10YR 5/6) soft fat Clayey fine subrounded GRAVEL, little subrounded medium sand, trace iron nodules
92							
94					GC		Yellowish brown (10YR 5/6) soft fat Clayey fine subrounded GRAVEL, little subrounded medium sand, trace iron nodules
96							
98							
100		<0.50	<0.50		SC		Yellowish brown (10YR 5/6) soft fat Clayey medium subangular SAND, little iron nodules
102							
104					CH		Light gray (10YR 7/1) fine to coarse subangular Sandy soft fat CLAY, trace fine subangular gravel, trace iron nodules
106							
108							
110					SC		Yellowish brown (10YR 5/6) soft fat Clayey medium subangular SAND, little iron nodules
112							
114					SC		Yellowish brown (10YR 5/6) soft fat Clayey medium subangular SAND, little iron nodules

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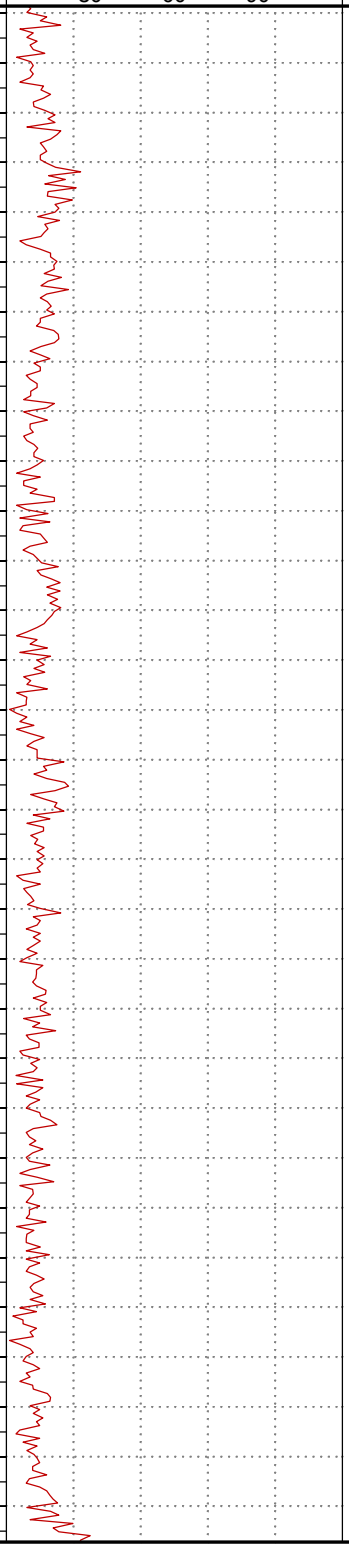
Resolution Consultants

Boring Log

BORING #: **VPB162**
Sheet 3 of 17



PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
				SC		Yellowish brown (10YR 5/6) soft fat Clayey medium subangular SAND, little iron nodules *(continued)*
				GC		Light gray (10YR 7/2) soft fat Clayey poorly graded fine angular GRAVEL, few well graded fine to coarse subangular sand
				GC		Light gray (10YR 7/2) soft fat Clayey poorly graded fine angular GRAVEL, few well graded fine to coarse subangular sand
				SP		Brownish yellow (10YR 6/6) poorly graded medium SAND, trace Lignite
				SP		Brownish yellow (10YR 6/6) poorly graded medium to coarse subangular SAND, trace poorly graded fine subangular Gravel, trace lignite
				SP		Brownish yellow (10YR 6/6) poorly graded coarse subangular SAND, few poorly graded fine angular Gravel, trace lignite
				SP		Brownish yellow (10YR 6/6) poorly graded coarse subangular SAND, trace poorly graded fine angular Gravel and lignite
	0.45	<0.50		SP		Light yellowish brown (2.5Y 6/4) poorly graded medum subrounded SAND, trace Lignite, trace iron nodules
				SP		Light yellowish brown (2.5Y 6/4) poorly graded medum subrounded SAND, trace Lignite, trace iron nodules
				ML		Very pale brown (10YR 7/3) very soft SILT, little fine Sand, trace iron nodules
				SP		Pale brown (2.5Y 7/4) poorly graded medium subangular SAND, trace Lignite
				SP		Dark yellow brown (10YR 4/4) poorly graded medium subangular SAND, trace Lignite, trace iron nodules
				SP		Dark yellow brown (10YR 4/4) poorly graded medium subangular SAND, trace Lignite, trace iron nodules

(Continued Next Page)

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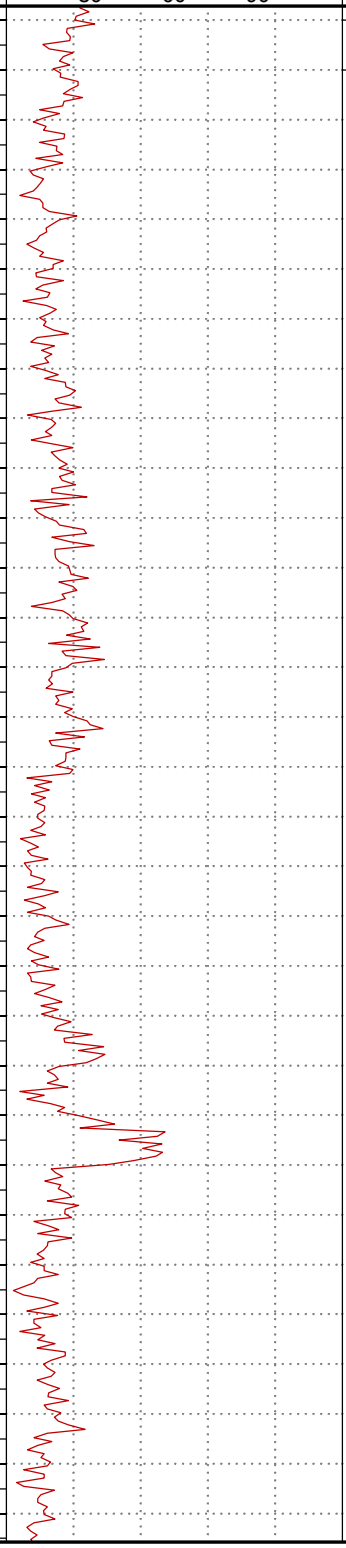
Boring Log

BORING #: **VPB162**
Sheet 4 of 17



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
178							
180	0.0				SM		Yellow brown (10YR 5/6) Silty poorly graded fine SAND, trace lignite, trace iron nodules
182							
184					SP		Light yellowish brown (10YR 6/4) poorly graded medium subangular SAND, trace Lignite, trace iron nodules
186							
188							
190					SP		Pale brown (10YR 6/3) poorly graded medium subangular SAND, trace Lignite, trace iron nodules
192							
194					SC		Pale yellow (5Y 8/3) soft fat Clayey poorly graded medium subangular SAND, trace Lignite, trace iron nodules
196							
198							
200		1.9	<0.50		SC		Pale brown (10YR 6/3) soft fat Clayey poorly graded fine SAND, few silt
202							
204					SC		Pale brown (10YR 6/3) soft fat Clayey poorly graded fine SAND, few silt
206							
208							
210					SC		Brownish yellow (10YR 6/6) soft fat Clayey poorly graded fine SAND, few silt
212							
214					SP-SC		Brownish yellow (10YR 6/6) poorly graded fine SAND with soft fat Clay, trace silt, trace iron nodules
216							
218							
220		16	1.0		SP		Pale brown (10YR 6/3) poorly graded fine SAND, trace Silt
222							
224					CH		Dark gray (10YR 4/1) soft fat CLAY, trace poorly graded fine Sand, trace lignite
226							
228							
230					CH		Dark gray (10YR 4/1) soft fat CLAY, trace poorly graded fine Sand, trace lignite
232							
234							
236					CH		Dark gray (10YR 4/1) poorly graded fine Sandy soft fat CLAY, trace lignite
238							
		12	1.3		CL		

(Continued Next Page)

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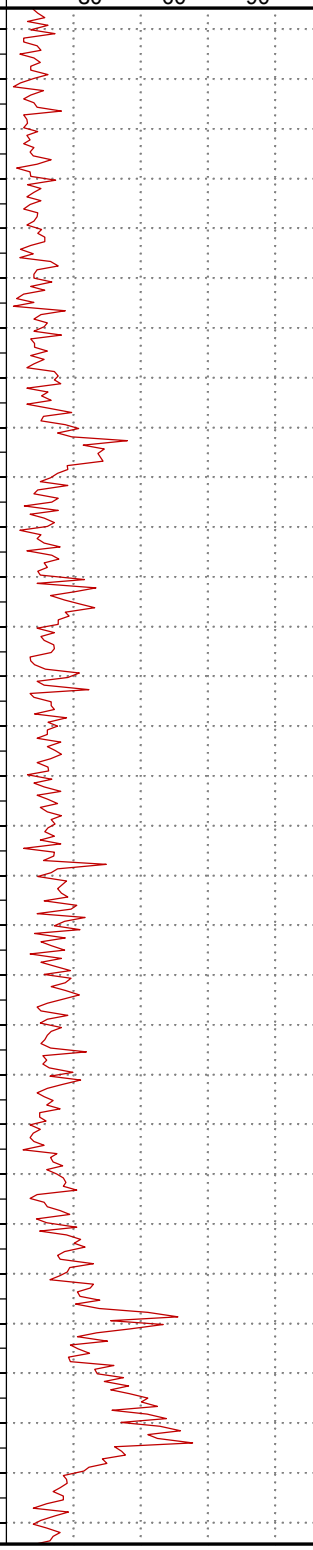
Boring Log

BORING #: **VPB162**
Sheet 5 of 17



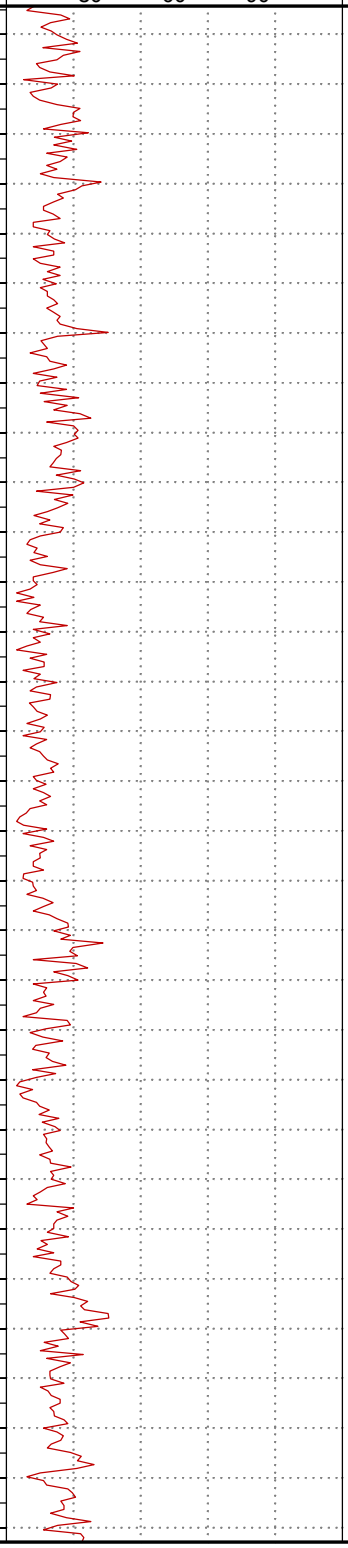
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
240		12	1.3				
242					CL		Black (GLEY1 2.5/N) poorly graded fine Sandy soft lean CLAY, few lignite, trace iron nodules *(continued)*
244							
246					CL		Black (GLEY1 2.5/N) poorly graded fine Sandy lean CLAY, few silt, few lignite
248							
250					SP-SC		Dark grayish brown (10YR 4/2) poorly graded fine SAND with soft lean Clay, few silt
252							
254					SW-SC		Brown (10YR 4/3) well graded fine to medium subrounded SAND with soft lean Clay, trace iron nodules
256							
258							
260		31	1.2		SC		Dark gray (7.5YR 4/1) soft fat Clayey fine SAND, trace lignite, trace iron nodules
262							
264					SC		Dark grayish brown (10YR 4/2) soft fat Clayey fine SAND, few silt, trace fine subrounded gravel, trace iron nodules
266							
268							
270					SC		Dark gray (7.5YR 4/1) soft fat Clayey fine SAND, few iron nodules, trace lignite
272							
274					SC		Dark gray (7.5YR 4/1) soft fat Clayey fine SAND, little iron nodules, trace lignite
276							
278							
280		15	<0.50		SC		Very dark gray (7.5YR 3/1) soft fat Clayey fine SAND, little iron nodules, trace lignite
282							
284					SC		Very dark gray (7.5YR 3/1) soft fat Clayey fine SAND, little iron nodules, trace lignite
286							
288							
290					SP		Brown (10YR 4/3) poorly graded fine SAND, few Silt, trace lignite
292							
294					SP		Brown (10YR 4/3) poorly graded fine SAND, few Silt, trace lignite
296							
298							
300		<0.50	<0.50		CH		Very dark gray (GLEY1 3/N) soft fat CLAY, few fine Sand, trace silt

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: **VPB162**
Sheet 6 of 17



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
302					CH		Very dark gray (GLEY1 3/N) soft fat CLAY, few fine Sand, trace silt *(continued)*
304					CH		Very dark gray (GLEY1 3/N) soft fat CLAY, few fine Sand, trace silt
306							
308							
310					SP		Dark gray (GLEY1 4/N) poorly graded fine SAND, trace soft fat Clay
312							
314					SP		Dark gray (GLEY1 4/N) poorly graded fine SAND, trace soft fat Clay
316							
318							
320		<0.50	<0.50		SP		Dark grayish brown (10YR 4/2) poorly graded fine SAND, trace Silt
322							
324					SP		Dark grayish brown (10YR 4/2) poorly graded fine SAND, trace Silt
326							
328							
330					SP		Very dark gray (10YR 3/1) poorly graded fine SAND, trace Silt, trace lignite
332							
334					SP		Very dark gray (10YR 3/1) poorly graded fine SAND, trace Silt, trace lignite
336							
338							
340					SW		Dark grayish brown (10YR 4/2) well graded fine to medium SAND, trace Silt, trace iron nodules
342							
344		<0.50	<0.50		SP		Dark gray (10YR 4/1) poorly graded fine SAND, trace Silt, trace lignite
346							
348							
350					SP		Very dark gray (10YR 3/1) poorly graded fine SAND, trace Silt, trace lignite
352							
354					SP		Very dark gray (10YR 3/1) poorly graded fine SAND, trace Silt
356							
358							
360		<0.50	<0.50		SP		Very dark gray (10YR 3/1) poorly graded fine SAND, trace Silt
362							

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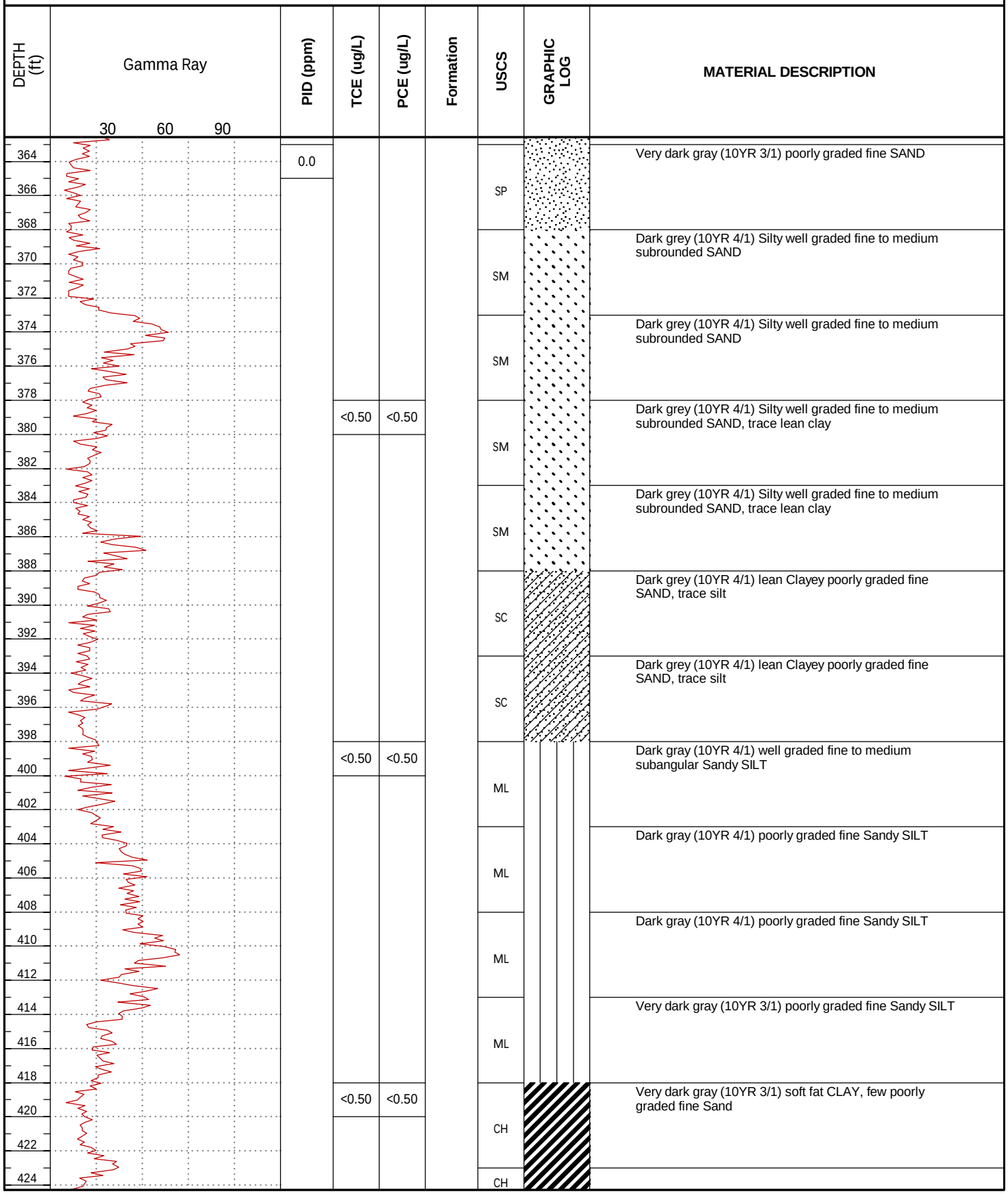
Boring Log

BORING #: **VPB162**
Sheet 7 of 17



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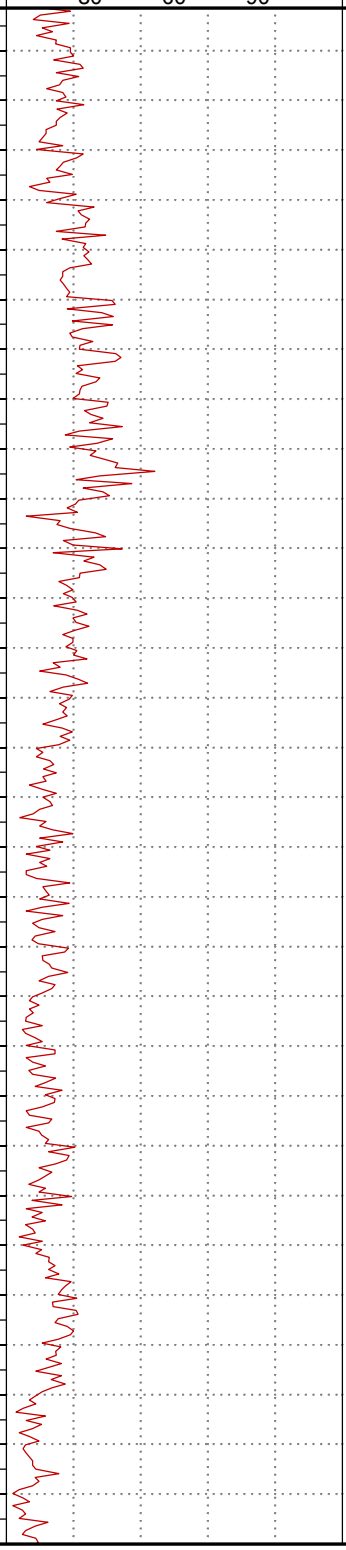
Resolution Consultants

Boring Log

BORING #: **VPB162**
Sheet 8 of 17



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
426					CH		Very dark gray (10YR 3/1) soft fat CLAY, few poorly graded fine Sand, trace lignite *(continued)*
428							
430					CH		Very dark gray (10YR 3/1) soft fat CLAY, little fine Sand, trace lignite
432							
434					CL		Very dark gray (10YR 3/1) soft lean CLAY, little fine Sand, trace lignite
436							
438							
440		<0.50	<0.50		CL		Gray (10YR 5/1) soft lean CLAY, little fine Sand, trace pyrite, trace muscovite
442							
444					SM		Very dark gray (10YR 3/1) Silty poorly graded fine SAND
446							
448							
450					CL		Very dark gray (10YR 3/1) fine Sandy soft lean CLAY
452							
454					CL		Very dark gray (10YR 3/1) fine Sandy soft lean CLAY
456							
458							
460		<0.50	<0.50		SM		Dark gray (10YR 4/1) very soft Silty fine SAND, few lignite
462							
464					SM		Dark gray (10YR 4/1) very soft Silty fine SAND, few lignite
466							
468							
470					SM		Dark gray (10YR 4/1) very soft Silty fine SAND, few lignite, trace muscovite
472							
474					SM		Dark gray (10YR 4/1) very soft Silty fine SAND, few lignite, trace muscovite
476							
478							
480		<0.50	<0.50		SM		Dark gray (10YR 4/1) Silty fine SAND, few lignite
482							
484					SM		Gray (10YR 5/1) Silty fine SAND, few lignite
486							

(Continued Next Page)

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Boring Log

BORING #: **VPB162**
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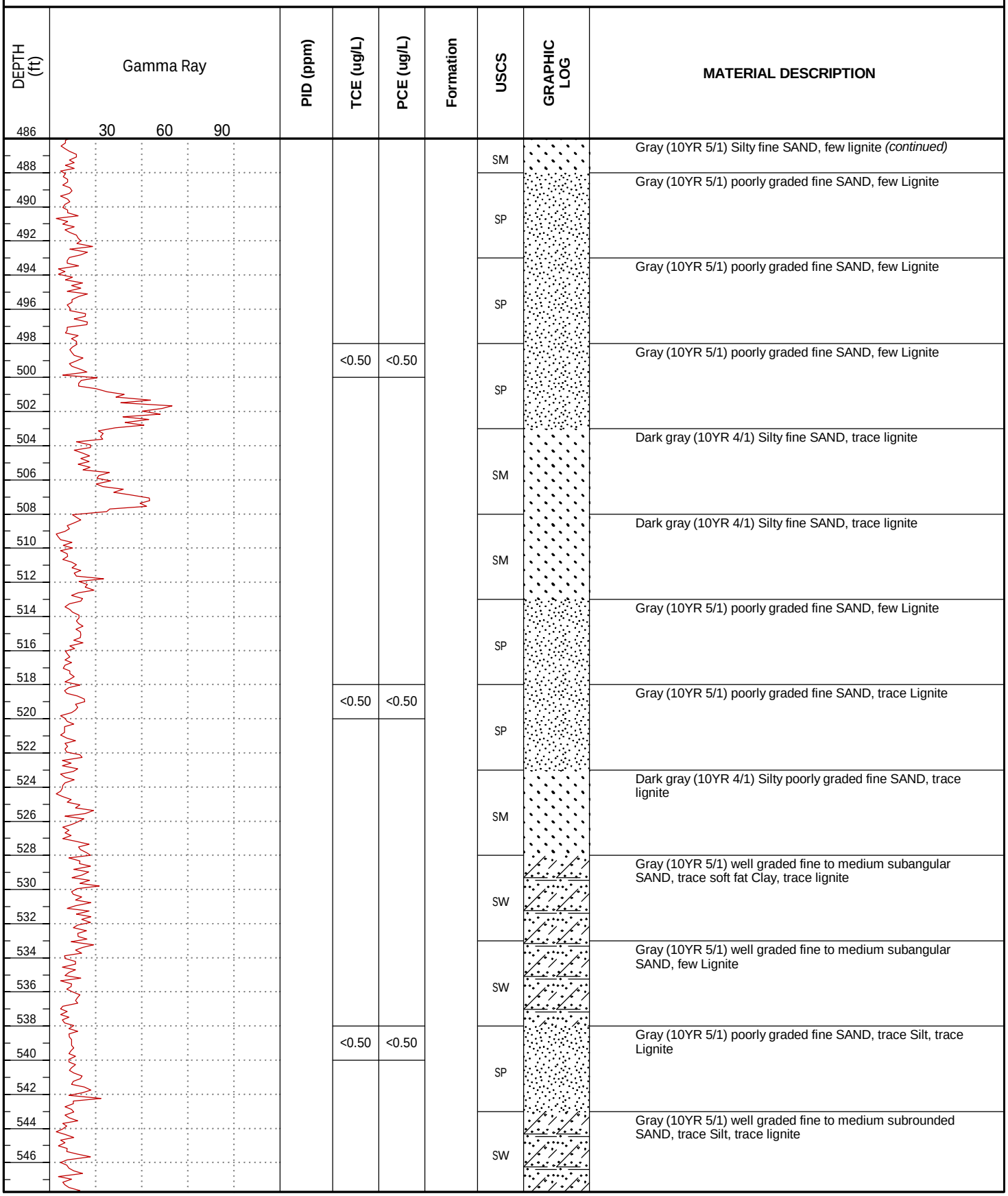

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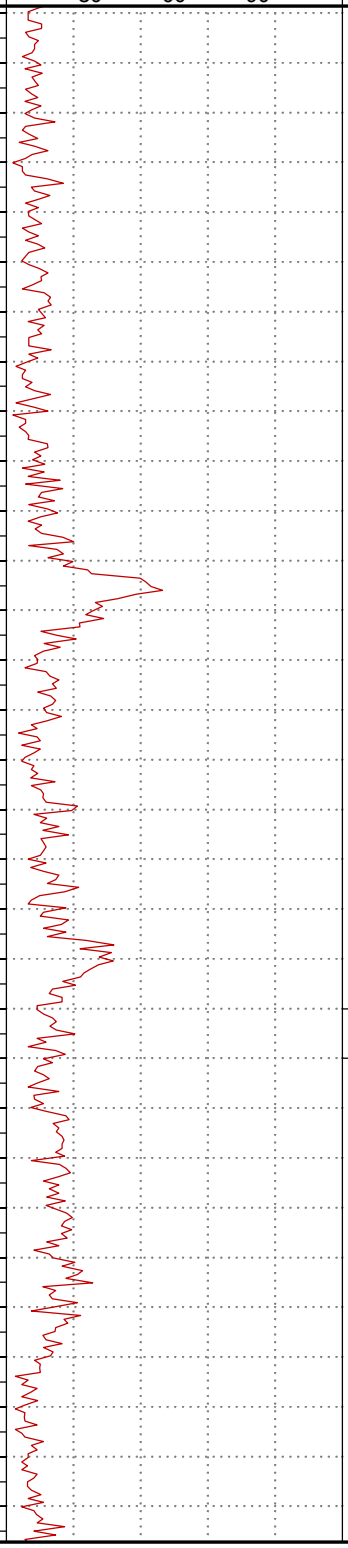
BORING #: **VPB162**
Sheet 10 of 17



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	MATERIAL DESCRIPTION
548						
550					SW	Gray (10YR 5/1) well graded fine to medium subrounded SAND, trace Lignite
552						
554					SW	Gray (10YR 5/1) well graded fine to coarse subrounded SAND, trace poorly graded fine subrounded Gravel, trace lignite
556						
558						
560		<0.50	<0.50		SP	Gray (10YR 5/1) poorly graded medium subangular SAND, trace Silt, trace lignite
562						
564					SM	Gray (10YR 5/1) Silty medium subangular SAND, trace lignite
566						
568						
570					SW	Gray (10YR 5/1) well graded fine to coarse subrounded SAND, trace Lignite
572						
574					SW	Gray (10YR 5/1) well graded fine to coarse subrounded SAND, trace Lignite
576						
578						
580					SW	Gray (10YR 5/1) well graded fine to coarse subrounded SAND, trace Lignite
582						
584		<0.50	<0.50		SW	Gray (10YR 5/1) well graded fine to coarse subrounded SAND, little Lignite
586						
588						
590	0.0				SP	Gray (10YR 5/1) poorly graded medium subangular SAND, trace Lignite
592						
594					SP	Gray (10YR 5/1) poorly graded medium subangular SAND, few Lignite, trace silt
596						
598						
600		<0.50	<0.50		SP	Gray (10YR 5/1) poorly graded medium subangular SAND, trace Silt, trace lignite
602						
604					SM	Gray (10YR 5/1) Silty well graded fine to medium subangular SAND, trace lignite
606						
608						
					SP	

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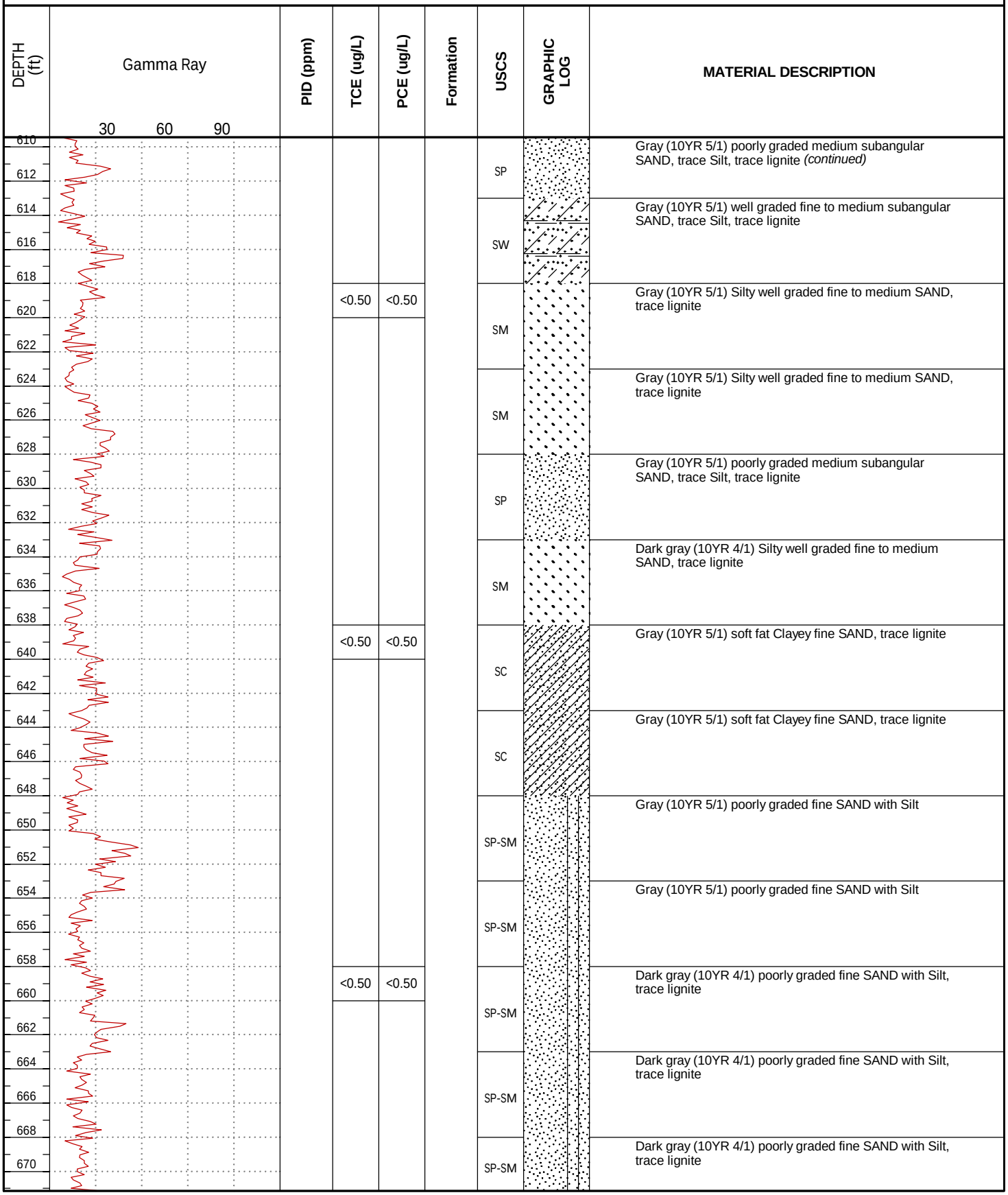
Boring Log

BORING #: **VPB162**
Sheet 11 of 17



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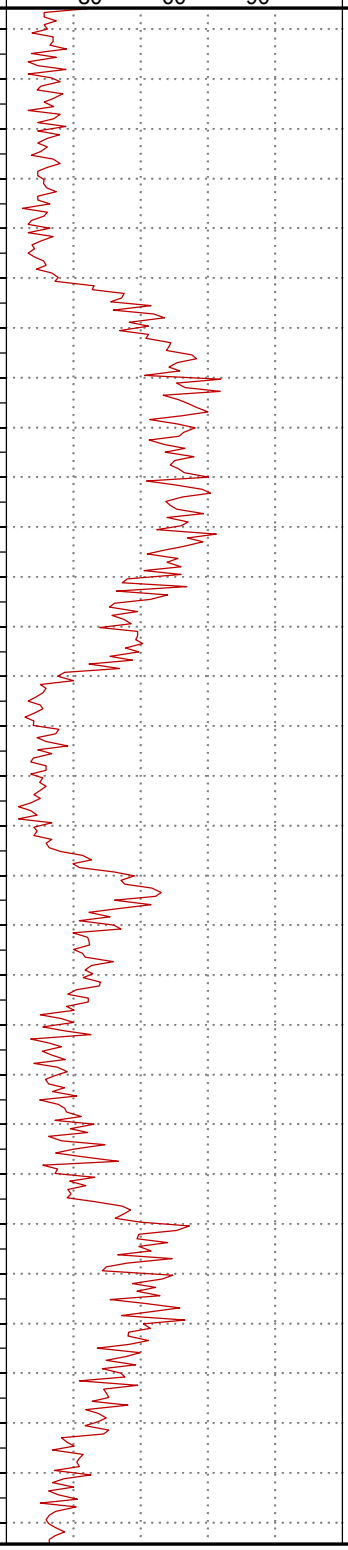
Boring Log

BORING #: **VPB162**
Sheet 12 of 17



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
672					SP-SM		Dark gray (10YR 4/1) poorly graded fine SAND with Silt, trace lignite *(continued)*
674					SP-SC		Dark gray (10YR 4/1) poorly graded fine SAND with fat Clay, trace lignite
676							
678							
680		<0.50	<0.50		SP-SM		Gray (10YR 5/1) poorly graded fine SAND with Silt, trace lignite
682							
684					SC		Gray (10YR 5/1) soft fat Clayey fine SAND, trace lignite
686							
688							
690					SC		Gray (10YR 5/1) soft fat Clayey fine SAND, trace lignite
692							
694					CH		Gray (10YR 5/1) soft fat CLAY, trace poorly graded fine Sand, trace lignite
696							
698							
700		<0.50	<0.50		CH		Gray (10YR 5/1) well graded fine to medium subangular Sandy soft fat CLAY, trace lignite
702							
704					CH		Gray (10YR 5/1) well graded fine to coarse subangular Sandy soft fat CLAY, trace poorly graded fine subangular gravel, trace lignite
706							
708							
710					CH		Gray (10YR 5/1) well graded fine to coarse subangular Sandy soft fat CLAY, trace poorly graded fine subangular gravel, trace lignite
712							
714					CH		Gray (10YR 5/1) well graded fine to coarse subangular Sandy soft fat CLAY, trace poorly graded fine subangular gravel, trace lignite
716							
718							
720		<0.50	<0.50		CH		Gray (10YR 5/1) well graded fine to coarse subangular Sandy soft fat CLAY, trace poorly graded fine subangular gravel, trace lignite
722							
724					CH		Gray (10YR 6/1) well graded medium to coarse subangular Sandy soft fat CLAY, trace poorly graded fine subangular gravel, trace lignite
726							
728							
730					CH		Gray (10YR 6/1) well graded medium to coarse subangular Sandy soft fat CLAY, trace poorly graded fine subangular gravel, trace lignite
732							

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Boring Log

BORING #: **VPB162**
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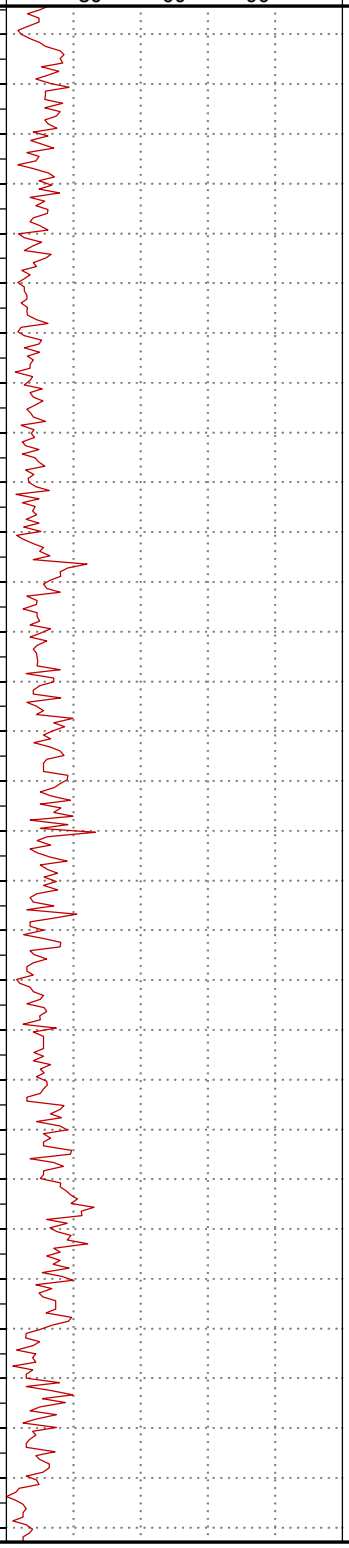

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
734					CH		Gray (10YR 6/1) well graded fine to coarse subangular Sandy soft fat CLAY, trace poorly graded fine subangular gravel, trace lignite
736							
738							
740					SP-CH		Gray (10YR 5/1) poorly graded coarse subangular SAND with soft fat Clay, trace poorly graded fine subangular gravel
742							
744					GP-CH		Gray (10YR 5/1) poorly graded fine subangular GRAVEL with soft fat Clay, trace poorly graded coarse subangular sand
746							
748							
750		<0.50	<0.50		GP		Gray (10YR 5/1) poorly graded fine subangular GRAVEL, little well graded medium to coarse subangular Sand, trace soft fat clay, trace lignite
752							
754					GP		Gray (10YR 5/1) poorly graded fine subangular GRAVEL, little well graded medium to coarse subangular Sand, trace lignite
756							
758							
760					GP		Gray (10YR 5/1) poorly graded fine subangular GRAVEL, little well graded medium to coarse subangular Sand, trace soft fat clay
762							
764		<0.50	<0.50		SW-SM		Gray (10YR 5/1) well graded fine to coarse SAND with soft Silt, trace fine subrounded gravel
766							
768							
770					GP-GM		Gray (10YR 6/1) poorly graded fine subrounded GRAVEL with soft Silt, little fine to coarse subrounded sand
772							
774					GP-GM		Gray (10YR 6/1) poorly graded fine subrounded GRAVEL with Silt, little medium to coarse subrounded sand
776							
778							
780					GP-CH		Light gray (10YR 7/1) poorly graded fine subrounded GRAVEL with soft fat Clay, trace well graded fine to coarse subrounded sand
782							
784		<0.50	<0.50		GC		Gray (10YR 6/1) soft fat Clayey poorly graded fine subrounded GRAVEL, trace lignite
786							
788							
790					GC		Gray (10YR 6/1) soft fat Clayey poorly graded fine subrounded GRAVEL, trace lignite
792							
794					SC		

(Continued Next Page)

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Boring Log

BORING #: **VPB162**
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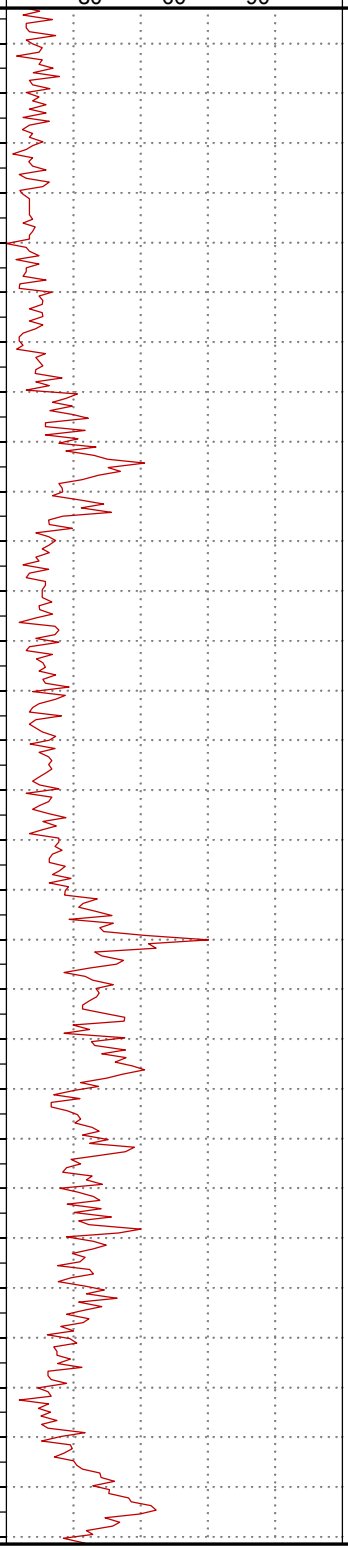

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
796					SC		Light gray (10YR 7/1) soft fat Clayey well graded fine to coarse subrounded SAND, trace fine subrounded gravel, trace lignite *(continued)*
798							
800		<0.50	<0.50		SW		Gray (10YR 5/1) well graded fine to coarse subrounded SAND, few fine subrounded Gravel
802							
804					SW		Gray (10YR 5/1) well graded fine to coarse subrounded SAND, few fine subrounded Gravel
806							
808					GP		Gray (10YR 5/1) poorly graded fine subrounded GRAVEL, some poorly graded fine to coarse subrounded Sand
810							
812					GP		Gray (10YR 5/1) poorly graded fine subrounded GRAVEL, little poorly graded fine to coarse subrounded Sand
814							
816					SW		Gray (10YR 5/1) well graded fine to coarse subrounded SAND, few very soft Silt
818							
820		<2.0	<2.0		SW		Gray (10YR 5/1) well graded fine to coarse subrounded SAND, trace very soft Silt
822							
824					SW		Gray (10YR 5/1) well graded fine to coarse subrounded SAND, trace soft lean Clay
826							
828					SC		Gray (10YR 5/1) soft lean Clayey fine SAND, trace silt
830							
832					SC		Gray (10YR 5/1) soft lean Clayey fine SAND, trace silt
834							
836					SC		Gray (10YR 5/1) soft lean Clayey fine SAND, trace silt, trace lignite
838							
840		<0.50	<0.50		SC		Gray (10YR 5/1) soft lean Clayey fine SAND, trace silt, trace lignite
842							
844					SM		Gray (10YR 5/1) Silty fine SAND, trace soft lean clay
846							
848							
850							
852							
854							
856							

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Boring Log

BORING #: **VPB162**
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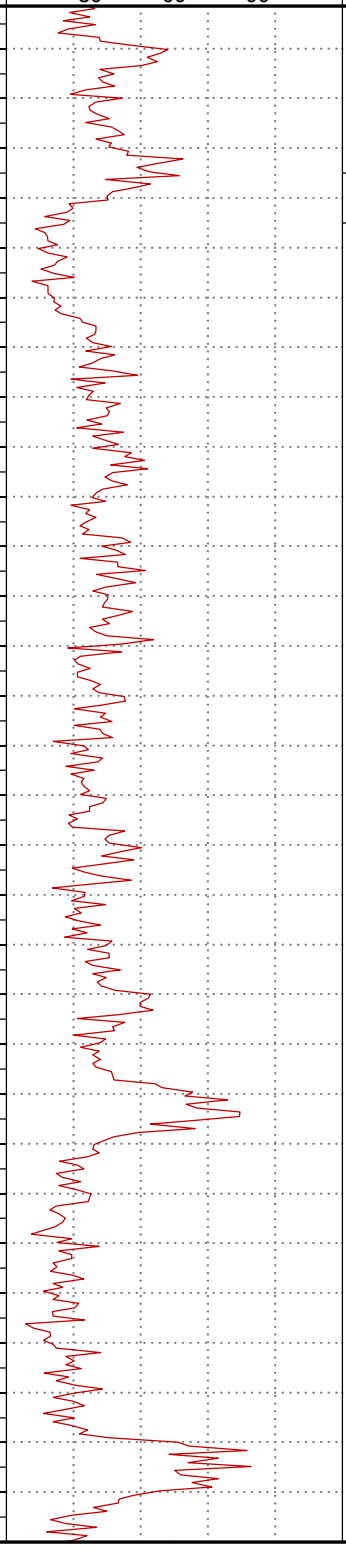

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
858					SM		Gray (10YR 5/1) Silty fine SAND, trace soft lean clay *(continued)*
860		<0.50	<0.50		SM		Gray (10YR 5/1) Silty fine SAND, few soft lean clay
862							
864	0.0				ML		Gray (10YR 5/1) SILT, few fine SAND, trace soft lean clay
866							
868							
870					ML		Gray (10YR 5/1) SILT, few fine SAND, trace soft lean clay
872							
874					ML		Gray (10YR 5/1) SILT, few fine SAND, trace soft lean clay
876							
878							
880		<0.50	<0.50		ML		Gray (10YR 5/1) SILT, few fine SAND, trace soft lean clay
882							
884					ML		Gray (10YR 5/1) SILT, few fine SAND, trace soft lean clay
886							
888							
890					SM		Gray (10YR 5/1) Silty fine SAND, few soft lean clay
892							
894					SM		Gray (10YR 5/1) Silty fine SAND, few soft lean clay
896							
898							
900		<0.50	<0.50		SC		Gray (10YR 5/1) soft fat Clayey well graded fine to medium subangular SAND, trace Silt
902							
904					SC		Gray (10YR 5/1) soft fat Clayey well graded fine to medium subangular SAND, trace Silt
906							
908							
910					SM		Gray (10YR 5/1) Silty well graded fine to medium subangular SAND, trace soft fat clay
912							
914							
916					SM		Gray (10YR 5/1) Silty well graded fine to medium subangular SAND, trace soft fat clay
918							

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Boring Log

BORING #: **VPB162**
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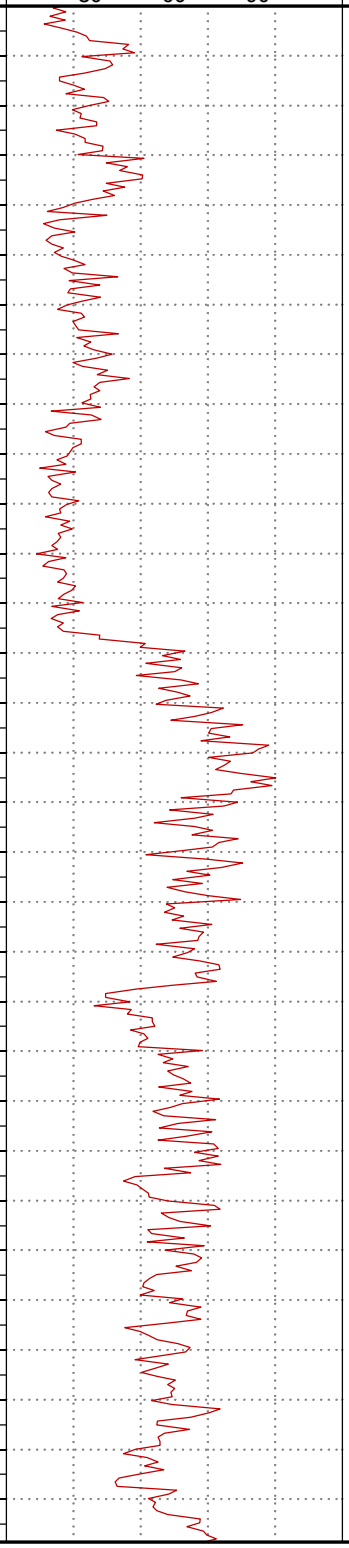


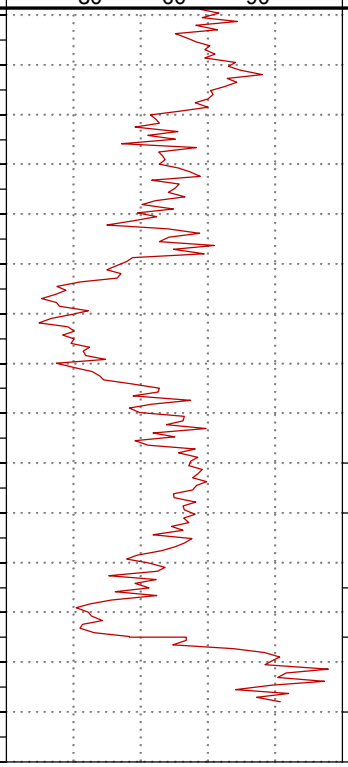
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
918							
920		<0.50	<0.50		SM		Gray (10YR 5/1) Silty well graded fine to medium subangular SAND, trace soft fat clay
922							
924					SC		Gray (10YR 5/1) soft fat Clayey well graded fine to medium subangular SAND, trace silt
926							
928							
930					SC		Gray (10YR 5/1) soft fat Clayey well graded fine to medium subangular SAND, trace silt
932							
934					SC		Gray (10YR 5/1) soft fat Clayey well graded fine to medium subangular SAND, trace silt
936							
938							
940		<0.50	<0.50		SM		Dark gray (10YR 4/1) Silty well graded fine to medium subangular SAND, trace soft fat clay
942							
944					SC		Gray (10YR 5/1) soft fat Clayey poorly graded medium subangular SAND, trace silt
946							
948							
950					SC		Gray (10YR 5/1) soft fat Clayey poorly graded medium subangular SAND, trace silt
952							
954					SC		Gray (10YR 5/1) soft fat Clayey poorly graded medium subangular SAND, trace silt
956							
958							
960		<5.0	<5.0		ML		Gray (10YR 5/1) SILT, few poorly graded fine Sand
962							
964					ML		Gray (10YR 5/1) SILT, few poorly graded fine Sand
966							
968							
970					ML		Gray (10YR 5/1) SILT, few poorly graded fine Sand, trace soft fat clay
972							
974				Raritan			
976					CH		Gray (10YR 5/1) stiff fat CLAY, trace Silt
978							
					CH		Gray (10YR 5/1) stiff fat CLAY, trace Silt, trace lignite

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: **VPB162**
Sheet 17 of 17



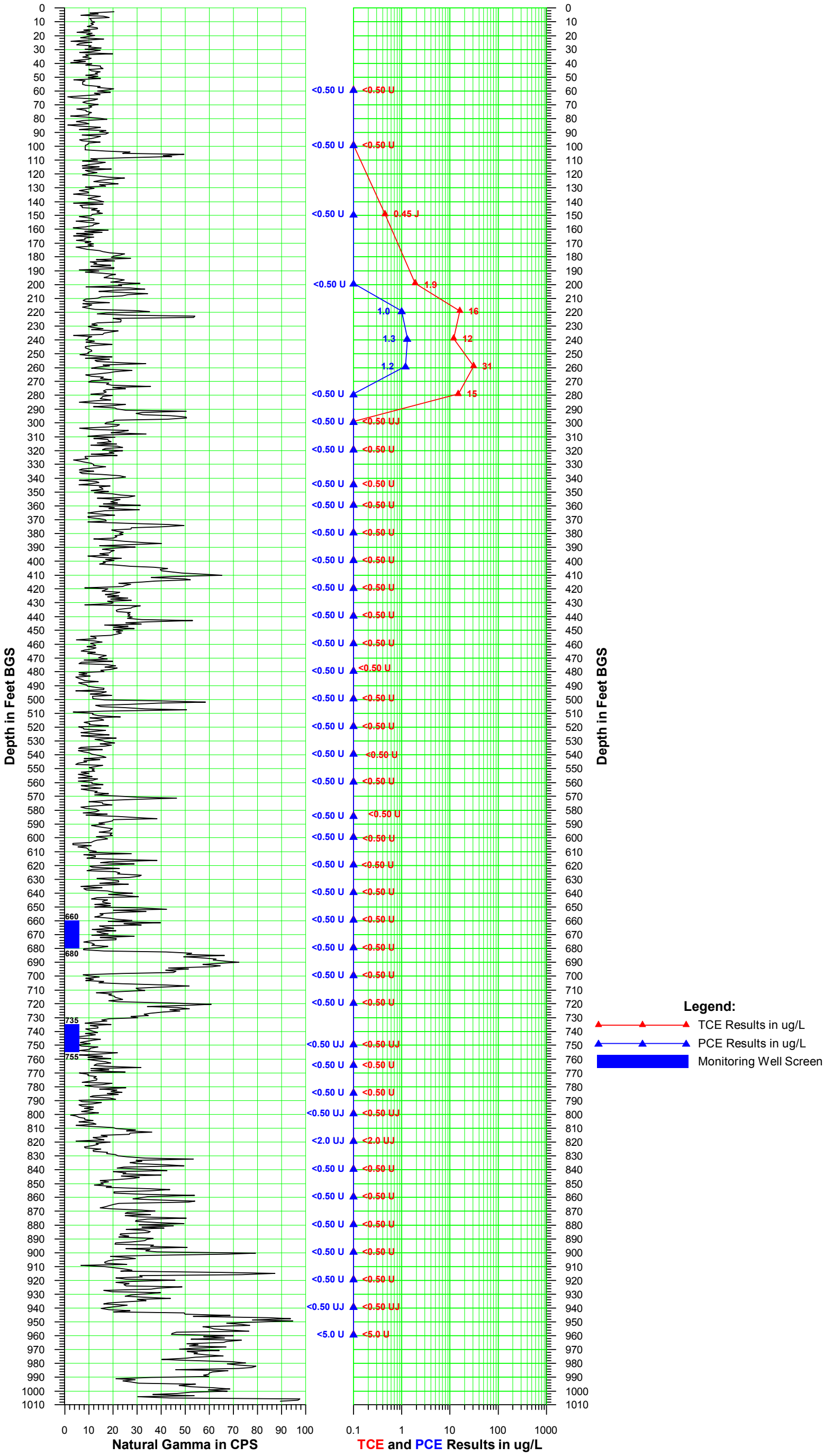
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
980				Raritan	CH		Gray (10YR 5/1) stiff fat CLAY, trace Silt, trace lignite *(continued)*
982							
984					CH		Gray (10YR 5/1) stiff fat CLAY, trace Silt, trace lignite
986							
988							
990					CH		Gray (10YR 5/1) stiff fat CLAY, trace Silt, trace lignite
992							
994					CH		Gray (10YR 5/1) stiff fat CLAY, trace Silt
996							
998							
1000	0.0				CH		Gray (Gley1 6/N) and pale red (10R 6/2) mottled very stiff fat CLAY
1002					CH		Pale red (10R 6/2) stiff fat CLAY
1004	0.0				CH		Gray (Gley1 6/N) and pale red (10R 6/2) mottled very stiff fat CLAY
1006					CH		Pale red (10R 6/2) stiff fat CLAY
1008							
1010	0				CH		Gray (Gley1 6/N) and pale red (10R 6/2) mottled very stiff fat CLAY

End of boring at 1010.0 ft. bgs.

Section 2

VPB162 Gamma and PCE/TCE Plot

Vertical Profile Boring VPB-162
Downward Run - July 28, 2016
Validated Analytical Data



Section 3

VPB162 Groundwater Sample Log Sheets

	VPB162	Project #60266526		FI.WI3	Collector: Varricchio					NWIRP Bethpage		
#	Sample date	Time	Temp (oC)	pH	Spec. Cond. (us/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth (ft)	Ending depth (ft)	Color	Comments
1	6/29/2016	10:30:00	23.9	6.39	437.7	3.13	24.3	355.3	58	60	Light brown	
2	6/29/2016	12:30:00	27.1	6.81	394.1	3.3	79.4	516.3	98	100	Light brown	
3	7/1/2016	9:45:00	22.6	7.79	427.3	3.88	16.8	141.7	148	150	Light brown	
4	7/1/2016	12:45:00	23.7	7.34	418.8	3.09	31.9	279.4	198	200	Light brown	
5	7/5/2016	10:00:00	21.1	6.18	287.6	3.97	108.9	825.0	218	220	Light brown	
6	7/5/2016	11:50:00	22.7	6.01	233.8	2.92	44.8	576.5	238	240	Light brown	
7	7/5/2016	13:45:00	23.0	5.82	224.8	2.11	51.8	403.5	258	260	Light brown	
8	7/6/2016	10:00:00	23.6	6.16	294.5	1.98	43.6	459.7	278	280	Light brown	
9	7/6/2016	11:45:00	25.4	5.97	229.9	1.78	54.4	357.7	298	300	Light brown	
10	7/6/2016	14:45:00	24.4	5.79	229.9	1.52	79.9	245.2	318	320	Light grey	
11	7/7/2016	11:30:00	25.2	5.85	215.8	1.67	67.5	299.2	343	345	Light grey	
12	7/7/2016	13:15:00	24.3	5.70	224.8	1.85	65.8	352.7	358	360	Light grey	
13	7/8/2016	9:50:00	23.0	5.84	226.4	1.49	59.5	295.0	378	380	Light grey	
14	7/8/2016	11:40:00	22.3	5.57	194.9	2.18	62.4	557.8	398	400	Light grey	
15	7/8/2016	13:50:00	22.5	5.78	444.5	1.35	164.3	>1,100	418	420	Grey	
16	7/11/2016	10:05:00	20.9	5.82	145.2	2.33	136.7	452.9	438	440	Light grey	
17	7/11/2016	12:00:00	20.6	6.24	108.1	1.76	137.4	696.2	458	460	Grey	
18	7/11/2016	13:50:00	21.8	6.29	161.8	1.47	64.2	486.6	478	480	Grey	
19	7/12/2016	10:15:00	20.1	5.94	124.8	1.86	87.2	639.0	498	500	Grey	
20	7/12/2016	12:10:00	20.6	6.16	107.2	1.37	77.0	222.5	518	520	Light grey	
21	7/12/2016	14:00:00	20.8	6.24	79.3	1.18	36.8	238.4	538	540	Light grey	
22	7/13/2016	10:00:00	20.7	6.08	67.6	0.87	110.4	888.3	558	540	Grey	
23	7/13/2016	13:40:00	20.8	5.63	73.4	0.92	182.4	>1,100	583	585	White/Grey	
24	7/14/2016	9:45:00	20.4	6.21	69.7	0.88	101.8	>1,100	598	600	White/Grey	
25	7/14/2016	11:45:00	21.2	6.35	71.5	0.79	95.4	>1,100	618	620	White/Grey	
26	7/14/2016	14:00:00	22.0	6.45	73.3	0.66	43.2	924.8	638	640	White/Grey	
27	7/15/2016	10:00:00	21.9	6.40	102.2	0.69	27.7	143.4	658	660	Light brown	
28	7/15/2016	12:00:00	23.5	6.33	63.9	0.77	53.7	>1,100	678	680	White/Grey	
29	7/15/2016	14:00:00	24.2	6.58	198.6	1.59	41.7	137.3	698	700	Light brown	
30	7/18/2016	10:30:00	22.0	6.81	54.4	1.41	91.8	853.5	718	720	Brown	
31	7/19/2016	10:20:00	20.0	6.53	65.7	1.18	106.2	>1,100	748	750	Dark brown	
32	7/19/2016	14:05:00	21.9	6.91	57.4	1.93	61.7	502.7	763	768	Light brown	
33	7/20/2016	12:00:00	21.4	7.38	74.8	2.81	31.0	651.3	783	785	White/Grey	
34	7/20/2016	14:00:00	NOT ENOUGH RECOVERY FOR WATER QUALITY						798	800	Dark brown	
35	7/21/2016	9:50:00	NOT ENOUGH RECOVERY FOR WATER QUALITY						818	820	Dark brown	
36	7/21/2016	12:10:00	22.8	7.18	83.3	2.42	56.4	409	838	840	Light brown	
37	7/21/2016	14:15:00	21.5	7.03	112.9	1.5	60.9	320.7	858	860	Light brown	
38	7/22/2016	11:00:00	22.0	7.34	74.6	1.3	3.9	712.3	878	880	Brown	
39	7/22/2016	13:00:00	21.8	7.84	63.5	1.41	30	753.6	898	900	Brown	
40	7/25/2016	10:00:00	19.1	7.87	150.8	1.11	38.1	424.1	918	920	Light brown	
41	7/25/2016	12:30:00	21.1	7.63	113.7	1.44	30.4	929.7	938	940	Brown	
42	7/26/2016	10:00:00	NOT ENOUGH RECOVERY FOR WATER QUALITY						958	960	Dark brown	

Section 4

VPB162 Analytical Data Validation

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

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — Naval Weapons Industrial Reserve Plant Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	BETHPAGE VPB162	
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA SW-846 Method 8260C, Total Organic Carbon (TOC) by U.S. EPA SW-846 Method 9060A, and Standard Method 5310B for Total Organic Carbon by High-Temperature Combustion	
Validation Level:	3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 09/08/2016
Reviewed by:	Tina Cantwell/Resolution Consultants	File Name: BETHPAGE VPB162_8260C_9060A_5310B

SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Site on 29 June to 26 July 2016 in accordance with the following Sampling and Analysis Plans:

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

Sample ID	Matrix/Sample Type	Analysis
VPB162-TB-062916	Trip Blank	8260C
VPB162-GW-062916-58-60	Groundwater	8260C
VPB162-GW-062916-98-100	Groundwater	8260C
VPB162-EB-070116	Equipment Blank	8260C, 5310B
VPB162-TB-070116	Trip Blank	8260C
VPB162-SOIL-070116-178-180	Soil	9060A
VPB162-GW-070116-148-150	Groundwater	8260C
VPB162-GW-070116-198-200	Groundwater	8260C

Sample ID	Matrix/Sample Type	Analysis
VPB162-GW-070516-218-220	Groundwater	8260C
VPB162-GW-070516-238-240	Groundwater	8260C
VPB162-GW-070516-258-260	Groundwater	8260C
VPB162-TB-070616	Trip Blank	8260C
VPB162-GWD-070616	Groundwater	8260C
VPB162-GW-070616-278-280	Groundwater	8260C
VPB162-GW-070616-298-300	Groundwater	8260C
VPB162-GW-070616-318-320	Groundwater	8260C
VPB162-GW-070716-343-345	Groundwater	8260C
VPB162-GW-070716-358-360	Groundwater	8260C
VPB162-TB-070816	Trip Blank	8260C
VPB162-GW-070816-378-380	Groundwater	8260C
VPB162-GW-070816-398-400	Groundwater	8260C
VPB162-GW-070816-418-420	Groundwater	8260C
VPB162-GW-071116-438-440	Groundwater	8260C
VPB162-GW-071116-458-460	Groundwater	8260C
VPB162-GW-071116-478-480	Groundwater	8260C
VPB162-GWD-071316	Groundwater	8260C
VPB162-GW-071216-498-500	Groundwater	8260C
VPB162-GW-071216-518-520	Groundwater	8260C
VPB162-GW-071216-538-540	Groundwater	8260C
VPB162-GW-071316-558-560	Groundwater	8260C
VPB162-GW-071316-583-585	Groundwater	8260C
VPB162-GW-071416-598-600	Groundwater	8260C
VPB162-GW-071416-618-620	Groundwater	8260C
VPB162-GW-071416-638-640	Groundwater	8260C
VPB162-GW-071516-658-660	Groundwater	8260C
VPB162-GW-071516-678-680	Groundwater	8260C
VPB162-GW-071516-698-700	Groundwater	8260C
VPB162-GW-071816-718-720	Groundwater	8260C
VPB162-TB-071916	Trip Blank	8260C
VPB162-GW-071916-748-750	Groundwater	8260C
VPB162-GW-071916-763-765	Groundwater	8260C
VPB162-GW-072016-783-785	Groundwater	8260C
VPB162-GW-072016-798-800	Groundwater	8260C
VPB162-GW-072116-818-820	Groundwater	8260C
VPB162-GW-072116-838-840	Groundwater	8260C
VPB162-GW-072116-858-860	Groundwater	8260C
VPB162-TB-072216	Trip Blank	8260C
VPB162-GW-072216-878-880	Groundwater	8260C

Sample ID	Matrix/Sample Type	Analysis
VPB162-GW-072216-898-900	Groundwater	8260C
VPB162-GW-072516-918-920	Groundwater	8260C
VPB162-GW-072516-938-940	Groundwater	8260C
VPB162-TB-072616	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* (United States Environmental Protection Agency [U.S. EPA] 2006), *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 9060A, Total Organic Carbon* (U.S. EPA, 1996), *Method SM5310B, Total Organic Carbon by High-Temperature Combustion, National Functional Guidelines for Superfund Organic Methods Data Review* (U.S. EPA September 2016), and *Department of Defense Quality Systems Manual for Environmental Laboratories*, Version 4.2 (October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements, and/or professional judgment were used as appropriate.

REVIEW ELEMENTS

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

- ✗ Data completeness (chain-of-custody)/sample integrity
- ✓ Holding times and sample preservation
- ✓ Gas chromatography/Mass spectrometer performance checks
- ✗ Initial calibration (ICAL)/initial calibration verification (ICV)/continuing calibration verification (CCV)
- ✗ Laboratory blanks/field blanks/trip blanks/equipment blanks
- ✗ Surrogate spike recovery
- ✓ 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, no qualification was performed, and/or non-conformance or other issues that were noted during validation, but did not result in qualification of data are not discussed further. The symbol (X) 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:

- Chain-of-custody (COC) were reviewed for completeness of information relevant to the samples and requested analyses, and for signatures indicating transfer of sample custody;
- 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 VPB162-GW-071916-748-750 and VPB162-GW-071916-798-800 contained soil at the bottom of the vials. The vials were decanted and analyzed. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity during the decanting process.
- Sample VPB162-GW-072116-818-820 contained soil at the bottom of the vials. One vial for the sample was decanted 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 during the decanting process.

Initial Calibration/Initial Calibration Verification/Continuing Calibration Verification

The ICAL is evaluated to ensure that the instrument was capable of producing acceptable qualitative and quantitative data prior to the analysis of samples. The ICV is evaluated to assess the accuracy of ICAL standards. The CCV is evaluated to determine whether the instrument was within acceptable calibration throughout the period in which the samples were analyzed. Failure of the CCV indicates that the ICAL is no longer valid and should trigger recalibration and reanalysis of the associated samples in the analytical sequence.

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

Initial Calibration Linearity Non-Conformance:

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

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

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

Initial Calibration Verification Recovery Non-Conformance:

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

Notes:
J = Estimated value
UJ = Undetected and estimated

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

Continuing Calibration Verification Linearity Non-Conformance:

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

Notes:
J = Estimated value
UJ = Undetected and estimated

Laboratory Blanks/Field Blanks/Trip Blanks/Equipment Blanks

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

Blank Non-Conformance Chart:

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

Notes:

LOQ = Limit of quantitation
U = Undetected
R = Rejected

Surrogate Spike Recovery

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

Surrogate Spike Recovery Non-Conformance Chart:

Criteria	Action	
	Detected	**Non-Detected**
Lower Limit ≤ %R or RPD ≤ Upper Limit	No qualification	No qualification
% R > Upper Limit	J	No qualification
20% <%R < Lower Limit	J	UJ
% R < 20%	J	Rejected

Notes:

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

Laboratory Control Samples / Laboratory Control Sample Duplicate

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

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

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

Notes:

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

Qualification Actions

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

No results were rejected; therefore, analytical completeness was calculated to be 100 percent. Data not qualified during data review are considered usable by the project. The remaining results qualified as estimated may be high or low, but the data are usable for their intended purpose, according to U.S. EPA and Department of Defense guidelines. Attachment A provides a summary of all qualified results.

ATTACHMENTS

Attachment A: Qualified Results Summary

Attachment A
Qualified Results Summary

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
5310B	VPB162-EB-070116	7/1/2016	1	TOTAL ORGANIC CARBON	0.19	MG_L	J		J	
8260C	VPB162-EB-070116	7/1/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	c
8260C	VPB162-EB-070116	7/1/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	2-HEXANONE	2.5	UG_L	UL		U	
8260C	VPB162-EB-070116	7/1/2016	1	ACETONE	5	UG_L	L	J	J	l,c
8260C	VPB162-EB-070116	7/1/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-EB-070116	7/1/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-EB-070116	7/1/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
5310B	VPB162-FB-070516	7/5/2016	1	TOTAL ORGANIC CARBON	0.5	MG_L	J	U	U	bl
8260C	VPB162-FB-070516	7/5/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	c
8260C	VPB162-FB-070516	7/5/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	DIBROMOCHLOROMETHANE	0.69	UG_L	J		J	
8260C	VPB162-FB-070516	7/5/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	2-HEXANONE	2.5	UG_L	UL		U	
8260C	VPB162-FB-070516	7/5/2016	1	ACETONE	2.5	UG_L	UL	J	UJ	c
8260C	VPB162-FB-070516	7/5/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-FB-070516	7/5/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-FB-070516	7/5/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	ACETONE	2.5	UG_L		U	UJ	bt,c

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-062916-58-60	6/29/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	BROMOMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-58-60	6/29/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-58-60	6/29/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-58-60	6/29/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-58-60	6/29/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	TOLUENE	0.44	UG_L	J		J	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-062916-98-100	6/29/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	ACETONE	2.5	UG_L		U	UJ	bt,c
8260C	VPB162-GW-062916-98-100	6/29/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	BROMOMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-98-100	6/29/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-98-100	6/29/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-062916-98-100	6/29/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U	J	UJ	c
8260C	VPB162-GW-062916-98-100	6/29/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	c

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070116-148-150	7/1/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	2-HEXANONE	2.5	UG_L	UL		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	ACETONE	2.5	UG_L	L	UJ	UJ	be,bt,c
8260C	VPB162-GW-070116-148-150	7/1/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	TRICHLOROETHENE	0.45	UG_L	J		J	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070116-148-150	7/1/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070116-198-200	7/1/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070116-198-200	7/1/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	2-HEXANONE	2.5	UG_L	UL		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	ACETONE	2.5	UG_L	L	UJ	UJ	be,bt,c
8260C	VPB162-GW-070116-198-200	7/1/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	BENZENE	0.37	UG_L	J		J	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,1-DICHLOROETHANE	0.65	UG_L	J		J	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070116-198-200	7/1/2016	1	TRICHLOROETHENE	1.9	UG_L				
8260C	VPB162-GW-070116-198-200	7/1/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070116-198-200	7/1/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070516-218-220	7/5/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	TETRACHLOROETHENE	1	UG_L				
8260C	VPB162-GW-070516-218-220	7/5/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	CIS-1,2-DICHLOROETHENE	0.33	UG_L	J		J	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,2-DICHLOROETHENE, TOTAL	0.33	UG_L	J		J	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	2-HEXANONE	2.5	UG_L	UL		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	ACETONE	3.6	UG_L	JL	J	J	l,c
8260C	VPB162-GW-070516-218-220	7/5/2016	1	CHLOROFORM	0.44	UG_L	J		J	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,1-DICHLOROETHANE	1.8	UG_L				
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,1-DICHLOROETHENE	0.86	UG_L	J		J	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	TRICHLOROETHENE	16	UG_L				
8260C	VPB162-GW-070516-218-220	7/5/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070516-218-220	7/5/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070516-238-240	7/5/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	TETRACHLOROETHENE	1.3	UG_L				
8260C	VPB162-GW-070516-238-240	7/5/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	CIS-1,2-DICHLOROETHENE	0.45	UG_L	J		J	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,2-DICHLOROETHENE, TOTAL	0.45	UG_L	J		J	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	2-HEXANONE	2.5	UG_L	UL		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	ACETONE	3.9	UG_L	JL	J	J	l,c
8260C	VPB162-GW-070516-238-240	7/5/2016	1	CHLOROFORM	0.41	UG_L	J		J	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070516-238-240	7/5/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,1-DICHLOROETHANE	2.3	UG_L				
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,1-DICHLOROETHENE	1	UG_L				
8260C	VPB162-GW-070516-238-240	7/5/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	TRICHLOROETHENE	12	UG_L				
8260C	VPB162-GW-070516-238-240	7/5/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070516-238-240	7/5/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070516-258-260	7/5/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	TETRACHLOROETHENE	1.2	UG_L				
8260C	VPB162-GW-070516-258-260	7/5/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	CIS-1,2-DICHLOROETHENE	0.58	UG_L	J		J	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,2-DICHLOROETHENE, TOTAL	0.58	UG_L	J		J	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	2-HEXANONE	2.5	UG_L	UL		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	ACETONE	6.2	UG_L	L	J	J	l,c
8260C	VPB162-GW-070516-258-260	7/5/2016	1	CHLOROFORM	0.71	UG_L	J		J	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,1-DICHLOROETHANE	5.2	UG_L				
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,1-DICHLOROETHENE	2.8	UG_L				
8260C	VPB162-GW-070516-258-260	7/5/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.88	UG_L	J		J	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	TRICHLOROETHENE	31	UG_L				
8260C	VPB162-GW-070516-258-260	7/5/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070516-258-260	7/5/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
2540G	VPB162-SOIL-070116-178-180	7/1/2016	1	TOTAL SOLIDS	81	PCT				
9060A	VPB162-SOIL-070116-178-180	7/1/2016	1	TOTAL ORGANIC CARBON	1600	UG_G				
8260C	VPB162-TB-062916	6/29/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-062916	6/29/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-TB-062916	6/29/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	ACETONE	5	UG_L		J	J	c
8260C	VPB162-TB-062916	6/29/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	BROMOMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-TB-062916	6/29/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-062916	6/29/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-TB-062916	6/29/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-062916	6/29/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U	J	UJ	c
8260C	VPB162-TB-062916	6/29/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	STYRENE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-TB-070116	7/1/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	c
8260C	VPB162-TB-070116	7/1/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	2-HEXANONE	2.5	UG_L	UL		U	
8260C	VPB162-TB-070116	7/1/2016	1	ACETONE	15	UG_L	L	J	J	l,c
8260C	VPB162-TB-070116	7/1/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-TB-070116	7/1/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-TB-070116	7/1/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UM	J	UJ	m
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	CIS-1,2-DICHLOROETHENE	0.62	UG_L	J		J	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,2-DICHLOROETHENE, TOTAL	0.62	UG_L	J		J	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-070616-278-280	7/6/2016	1	CHLOROFORM	0.74	UG_L	J		J	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,1,1-TRICHLOROETHANE	1.1	UG_L				
8260C	VPB162-GW-070616-278-280	7/6/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	VINYL CHLORIDE	0.35	UG_L	J		J	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070616-278-280	7/6/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,1-DICHLOROETHANE	6.5	UG_L				

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,1-DICHLOROETHENE	2.7	UG_L				
8260C	VPB162-GW-070616-278-280	7/6/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	DICHLORODIFLUOROMETHANE	0.4	UG_L	J	J	J	c
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1.3	UG_L				
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	TRICHLOROETHENE	15	UG_L				
8260C	VPB162-GW-070616-278-280	7/6/2016	1	METHYL ACETATE	0.75	UG_L	UM	J	UJ	m
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070616-278-280	7/6/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070616-298-300	7/6/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070616-298-300	7/6/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,c
8260C	VPB162-GW-070616-298-300	7/6/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	BROMOMETHANE	1	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070616-298-300	7/6/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070616-298-300	7/6/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070616-298-300	7/6/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070616-318-320	7/6/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070616-318-320	7/6/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-070616-318-320	7/6/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070616-318-320	7/6/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070616-318-320	7/6/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070716-343-345	7/7/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070716-343-345	7/7/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-070716-343-345	7/7/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070716-343-345	7/7/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070716-343-345	7/7/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070716-358-360	7/7/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070716-358-360	7/7/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-070716-358-360	7/7/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070716-358-360	7/7/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	O-XYLENE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070716-358-360	7/7/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-070816-378-380	7/8/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	BROMOMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070816-378-380	7/8/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	CARBON DISULFIDE	0.25	UG_L	J	J	J	c
8260C	VPB162-GW-070816-378-380	7/8/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070816-378-380	7/8/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-070816-398-400	7/8/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	BROMOMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070816-398-400	7/8/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	VINYL CHLORIDE	1	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070816-398-400	7/8/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	CARBON DISULFIDE	0.33	UG_L	J	J	J	c
8260C	VPB162-GW-070816-398-400	7/8/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070816-398-400	7/8/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	2-HEXANONE	2.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-070816-418-420	7/8/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-070816-418-420	7/8/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	CARBON DISULFIDE	2	UG_L		J	J	c
8260C	VPB162-GW-070816-418-420	7/8/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-070816-418-420	7/8/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-438-440	7/11/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071116-438-440	7/11/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-438-440	7/11/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	ACETONE	2.5	UG_L	JL	UJ	UJ	bt,c
8260C	VPB162-GW-071116-438-440	7/11/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	CARBON DISULFIDE	0.31	UG_L	J		J	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-438-440	7/11/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071116-438-440	7/11/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071116-458-460	7/11/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-458-460	7/11/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	ACETONE	2.5	UG_L	JL	UJ	UJ	bt,c
8260C	VPB162-GW-071116-458-460	7/11/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-458-460	7/11/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071116-458-460	7/11/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071116-478-480	7/11/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-478-480	7/11/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-478-480	7/11/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	ACETONE	2.5	UG_L	L	UJ	UJ	bt,c
8260C	VPB162-GW-071116-478-480	7/11/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-478-480	7/11/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	2-BUTANONE	2.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071116-478-480	7/11/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GWD-070616	7/6/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	CIS-1,2-DICHLOROETHENE	0.6	UG_L	J		J	
8260C	VPB162-GWD-070616	7/6/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,2-DICHLOROETHENE, TOTAL	0.6	UG_L	J		J	
8260C	VPB162-GWD-070616	7/6/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GWD-070616	7/6/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GWD-070616	7/6/2016	1	CHLOROFORM	0.88	UG_L	J		J	
8260C	VPB162-GWD-070616	7/6/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,1,1-TRICHLOROETHANE	1.7	UG_L				
8260C	VPB162-GWD-070616	7/6/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	BROMOFORM	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GWD-070616	7/6/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,1-DICHLOROETHANE	7.4	UG_L				
8260C	VPB162-GWD-070616	7/6/2016	1	1,1-DICHLOROETHENE	2.9	UG_L				
8260C	VPB162-GWD-070616	7/6/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GWD-070616	7/6/2016	1	DICHLORODIFLUOROMETHANE	0.44	UG_L	J	J	J	c
8260C	VPB162-GWD-070616	7/6/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1.6	UG_L				
8260C	VPB162-GWD-070616	7/6/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	TRICHLOROETHENE	15	UG_L				
8260C	VPB162-GWD-070616	7/6/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GWD-070616	7/6/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-070616	7/6/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-070616	7/6/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	ACETONE	5.2	UG_L		J	J	c
8260C	VPB162-TB-070616	7/6/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	BENZENE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-TB-070616	7/6/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-TB-070616	7/6/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-TB-070616	7/6/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-TB-070616	7/6/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-070816	7/8/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-TB-070816	7/8/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-070816	7/8/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	ACETONE	4.4	UG_L	J	J	J	c
8260C	VPB162-TB-070816	7/8/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	CARBON DISULFIDE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-TB-070816	7/8/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-TB-070816	7/8/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-TB-070816	7/8/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	TOLUENE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071216-498-500	7/12/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-071216-498-500	7/12/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	CARBON DISULFIDE	0.35	UG_L	J	J	J	c
8260C	VPB162-GW-071216-498-500	7/12/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071216-498-500	7/12/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071216-518-520	7/12/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,c
8260C	VPB162-GW-071216-518-520	7/12/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	CARBON DISULFIDE	0.4	UG_L	J	J	J	c
8260C	VPB162-GW-071216-518-520	7/12/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	METHYL ACETATE	0.75	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071216-518-520	7/12/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-071216-538-540	7/12/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	CARBON DISULFIDE	0.74	UG_L	J	J	J	c
8260C	VPB162-GW-071216-538-540	7/12/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071216-538-540	7/12/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071216-538-540	7/12/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	UM	J	UJ	m
8260C	VPB162-GW-071316-558-560	7/13/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	ACETONE	2.5	UG_L	L	U	U	bt
8260C	VPB162-GW-071316-558-560	7/13/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	BROMOMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071316-558-560	7/13/2016	1	CHLOROMETHANE	1	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071316-558-560	7/13/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	CARBON DISULFIDE	1.6	UG_L		J	J	c
8260C	VPB162-GW-071316-558-560	7/13/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	UM	J	UJ	c
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071316-558-560	7/13/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071316-583-585	7/13/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,c
8260C	VPB162-GW-071316-583-585	7/13/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	CARBON DISULFIDE	0.44	UG_L	J	J	J	c
8260C	VPB162-GW-071316-583-585	7/13/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071316-583-585	7/13/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071416-598-600	7/13/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-071416-598-600	7/13/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	CARBON DISULFIDE	0.58	UG_L	J	J	J	c
8260C	VPB162-GW-071416-598-600	7/13/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071416-598-600	7/13/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,c
8260C	VPB162-GW-071416-618-620	7/13/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	CARBON DISULFIDE	0.4	UG_L	J	J	J	c
8260C	VPB162-GW-071416-618-620	7/13/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071416-618-620	7/13/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071416-618-620	7/13/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-071416-638-640	7/13/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071416-638-640	7/13/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071416-638-640	7/13/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,be,c
8260C	VPB162-GW-071516-658-660	7/15/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071516-658-660	7/15/2016	1	CARBON DISULFIDE	0.3	UG_L	J	J	J	c
8260C	VPB162-GW-071516-658-660	7/15/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071516-658-660	7/15/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,be,c

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071516-678-680	7/15/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071516-678-680	7/15/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071516-678-680	7/15/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	TOLUENE	4.6	UG_L				
8260C	VPB162-GW-071516-698-700	7/15/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071516-698-700	7/15/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,be,c
8260C	VPB162-GW-071516-698-700	7/15/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	BROMOMETHANE	0.54	UG_L	J		J	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071516-698-700	7/15/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071516-698-700	7/15/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	M- AND P-XYLENE	1	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071816-718-720	7/18/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	TOLUENE	1.8	UG_L				
8260C	VPB162-GW-071816-718-720	7/18/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,be,c
8260C	VPB162-GW-071816-718-720	7/18/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071816-718-720	7/18/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071816-718-720	7/18/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GWD-071316	7/13/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	UL	J	UJ	l
8260C	VPB162-GWD-071316	7/13/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,c
8260C	VPB162-GWD-071316	7/13/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	CARBON DISULFIDE	1.3	UG_L		J	J	c
8260C	VPB162-GWD-071316	7/13/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	c
8260C	VPB162-GWD-071316	7/13/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GWD-071316	7/13/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GWD-071316	7/13/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-748-750	7/19/2016	1	ETHYLBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	STYRENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	TOLUENE	2.7	UG_L		J	J	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	CHLOROBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	CYCLOHEXANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	TETRACHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	XYLENES, TOTAL	1.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	2-HEXANONE	2.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,c,mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	CHLOROFORM	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	BENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	BROMOMETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	CHLOROMETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	CHLOROETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	VINYL CHLORIDE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	CARBON DISULFIDE	0.56	UG_L	J	J	J	c,mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	BROMOFORM	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U	J	UJ	mc

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	2-BUTANONE	2.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	TRICHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	METHYL ACETATE	0.75	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	O-XYLENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-748-750	7/19/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-071916-763-765	7/19/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	TOLUENE	2.1	UG_L				
8260C	VPB162-GW-071916-763-765	7/19/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-071916-763-765	7/19/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-071916-763-765	7/19/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-071916-763-765	7/19/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-071916-763-765	7/19/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,c
8260C	VPB162-GW-072016-783-785	7/20/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072016-783-785	7/20/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-072016-783-785	7/20/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072016-798-800	7/20/2016	1	ETHYLBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	STYRENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	TOLUENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	CHLOROBENZENE	0.5	UG_L	U	J	UJ	mc

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072016-798-800	7/20/2016	1	CYCLOHEXANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	TETRACHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	XYLENES, TOTAL	1.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	2-HEXANONE	2.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,c,mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	CHLOROFORM	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	BENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	BROMOMETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	CHLOROMETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	CHLOROETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	VINYL CHLORIDE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c,mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	BROMOFORM	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	2-BUTANONE	2.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	TRICHLOROETHENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	METHYL ACETATE	0.75	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	O-XYLENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072016-798-800	7/20/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	ETHYLBENZENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	STYRENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	CIS-1,3-DICHLOROPROPENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	TRANS-1,3-DICHLOROPROPENE	2	UG_L	U	J	UJ	mc

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,4-DICHLOROBENZENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,2-DIBROMOETHANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,2-DICHLOROETHANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	4-METHYL-2-PENTANONE	10	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	M- AND P-XYLENE	4	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	METHYL CYCLOHEXANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	TOLUENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	CHLOROBENZENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	CYCLOHEXANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,2,4-TRICHLOROBENZENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	DIBROMOCHLOROMETHANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	TETRACHLOROETHENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	XYLENES, TOTAL	6	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	CIS-1,2-DICHLOROETHENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	TRANS-1,2-DICHLOROETHENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	METHYL TERT-BUTYL ETHER	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,2-DICHLOROETHENE, TOTAL	4	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,3-DICHLOROBENZENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	CARBON TETRACHLORIDE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	2-HEXANONE	10	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	ACETONE	10	UG_L		UJ	UJ	bt,c,mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	CHLOROFORM	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	BENZENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,1,1-TRICHLOROETHANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	BROMOMETHANE	4	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	CHLOROMETHANE	4	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	CHLOROETHANE	4	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	VINYL CHLORIDE	4	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	METHYLENE CHLORIDE	10	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	CARBON DISULFIDE	2	UG_L	U	J	UJ	c,mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	BROMOFORM	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	BROMODICHLOROMETHANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,1-DICHLOROETHANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,1-DICHLOROETHENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	TRICHLOROFLUOROMETHANE	4	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	DICHLORODIFLUOROMETHANE	4	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,2-DICHLOROPROPANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	2-BUTANONE	7.4	UG_L	J	J	J	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,1,2-TRICHLOROETHANE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	TRICHLOROETHENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	METHYL ACETATE	3	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,1,2,2-TETRACHLOROETHANE	2	UG_L	U	J	UJ	mc

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072116-818-820	7/21/2016	4	O-XYLENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,2-DICHLOROBENZENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	1,2-DIBROMO-3-CHLOROPROPANE	3	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-818-820	7/21/2016	4	ISOPROPYLBENZENE	2	UG_L	U	J	UJ	mc
8260C	VPB162-GW-072116-838-840	7/21/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	TOLUENE	0.58	UG_L	J		J	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	ACETONE	2.5	UG_L	J	UJ	UJ	bt,c
8260C	VPB162-GW-072116-838-840	7/21/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072116-838-840	7/21/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072116-838-840	7/21/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-072116-838-840	7/21/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	TOLUENE	0.37	UG_L	J		J	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	ACETONE	2.5	UG_L		UJ	UJ	bt,c
8260C	VPB162-GW-072116-858-860	7/21/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	CHLOROETHANE	1	UG_L	U		U	

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072116-858-860	7/21/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072116-858-860	7/21/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-072116-858-860	7/21/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	TOLUENE	2.4	UG_L				
8260C	VPB162-GW-072216-878-880	7/22/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072216-878-880	7/22/2016	1	2-HEXANONE	2.5	UG_L	UL	J	UJ	c
8260C	VPB162-GW-072216-878-880	7/22/2016	1	ACETONE	2.5	UG_L	L	UJ	UJ	bt,c
8260C	VPB162-GW-072216-878-880	7/22/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072216-878-880	7/22/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	2-BUTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	METHYL ACETATE	0.75	UG_L	U	J	UJ	c
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-072216-878-880	7/22/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	TOLUENE	1.6	UG_L				
8260C	VPB162-GW-072216-898-900	7/22/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072216-898-900	7/22/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	2-HEXANONE	2.5	UG_L	UL	J	UJ	c
8260C	VPB162-GW-072216-898-900	7/22/2016	1	ACETONE	2.5	UG_L	L	UJ	UJ	bt,c
8260C	VPB162-GW-072216-898-900	7/22/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072216-898-900	7/22/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	2-BUTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	METHYL ACETATE	0.75	UG_L	U	J	UJ	c
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-GW-072216-898-900	7/22/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072516-918-920	7/25/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	2-HEXANONE	2.5	UG_L	UL	J	UJ	c
8260C	VPB162-GW-072516-918-920	7/25/2016	1	ACETONE	2.5	UG_L	L	UJ	UJ	bt,c
8260C	VPB162-GW-072516-918-920	7/25/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072516-918-920	7/25/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	2-BUTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	METHYL ACETATE	0.75	UG_L	U	J	UJ	c
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-918-920	7/25/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072516-918-920	7/25/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072516-938-940	7/25/2016	1	ETHYLBENZENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	STYRENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	M- AND P-XYLENE	1	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	TOLUENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	CHLOROBENZENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	CYCLOHEXANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	TETRACHLOROETHENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	XYLENES, TOTAL	1.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	2-HEXANONE	2.5	UG_L	UL	J	UJ	s,c
8260C	VPB162-GW-072516-938-940	7/25/2016	1	ACETONE	2.5	UG_L	JL	UJ	UJ	bt,s,c
8260C	VPB162-GW-072516-938-940	7/25/2016	1	CHLOROFORM	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	BENZENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	BROMOMETHANE	1	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	CHLOROMETHANE	1	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	CHLOROETHANE	1	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	VINYL CHLORIDE	1	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	s,c
8260C	VPB162-GW-072516-938-940	7/25/2016	1	BROMOFORM	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U	J	UJ	s

Table A-1
Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072516-938-940	7/25/2016	1	2-BUTANONE	2.5	UG_L	U	J	UJ	s,c
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	TRICHLOROETHENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	METHYL ACETATE	0.75	UG_L	U	J	UJ	s,c
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	O-XYLENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U	J	UJ	s
8260C	VPB162-GW-072516-938-940	7/25/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U	J	UJ	s
8260C	VPB162-TB-071916	7/19/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	2-HEXANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	ACETONE	3.5	UG_L	J	J	J	c
8260C	VPB162-TB-071916	7/19/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c

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Qualified Results Summary

Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-TB-071916	7/19/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	2-BUTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	METHYL ACETATE	0.75	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-TB-071916	7/19/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	2-HEXANONE	2.5	UG_L	UL	J	UJ	c
8260C	VPB162-TB-072216	7/22/2016	1	ACETONE	5.8	UG_L	L	J	J	l,c
8260C	VPB162-TB-072216	7/22/2016	1	CHLOROFORM	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-TB-072216	7/22/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-072216	7/22/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	2-BUTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-072216	7/22/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	METHYL ACETATE	0.75	UG_L	U	J	UJ	c
8260C	VPB162-TB-072216	7/22/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-TB-072216	7/22/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	ETHYLBENZENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	STYRENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	CIS-1,3-DICHLOROPROPENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	TRANS-1,3-DICHLOROPROPENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,4-DICHLOROBENZENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,2-DIBROMOETHANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,2-DICHLOROETHANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	4-METHYL-2-PENTANONE	25	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	M- AND P-XYLENE	10	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	METHYL CYCLOHEXANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	TOLUENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	CHLOROBENZENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	CYCLOHEXANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,2,4-TRICHLOROBENZENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	DIBROMOCHLOROMETHANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	TETRACHLOROETHENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	XYLENES, TOTAL	15	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	CIS-1,2-DICHLOROETHENE	5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-GW-072616-958-960	7/26/2016	10	TRANS-1,2-DICHLOROETHENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	METHYL TERT-BUTYL ETHER	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,2-DICHLOROETHENE, TOTAL	10	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,3-DICHLOROBENZENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	CARBON TETRACHLORIDE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	2-HEXANONE	25	UG_L	UL	J	UJ	c
8260C	VPB162-GW-072616-958-960	7/26/2016	10	ACETONE	25	UG_L	JL	UJ	UJ	bt,c
8260C	VPB162-GW-072616-958-960	7/26/2016	10	CHLOROFORM	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	BENZENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,1,1-TRICHLOROETHANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	BROMOMETHANE	10	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	CHLOROMETHANE	10	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	CHLOROETHANE	10	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	VINYL CHLORIDE	10	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	METHYLENE CHLORIDE	25	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	CARBON DISULFIDE	5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072616-958-960	7/26/2016	10	BROMOFORM	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	BROMODICHLOROMETHANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,1-DICHLOROETHANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,1-DICHLOROETHENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	TRICHLOROFLUOROMETHANE	10	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	DICHLORODIFLUOROMETHANE	10	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,2-DICHLOROPROPANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	2-BUTANONE	25	UG_L	U	J	UJ	c
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,1,2-TRICHLOROETHANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	TRICHLOROETHENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	METHYL ACETATE	7.5	UG_L	U	J	UJ	c
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,1,2,2-TETRACHLOROETHANE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	O-XYLENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,2-DICHLOROBENZENE	5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	1,2-DIBROMO-3-CHLOROPROPANE	7.5	UG_L	U		U	
8260C	VPB162-GW-072616-958-960	7/26/2016	10	ISOPROPYLBENZENE	5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	ETHYLBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	STYRENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	CIS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	TRANS-1,3-DICHLOROPROPENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,4-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,2-DIBROMOETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,2-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	4-METHYL-2-PENTANONE	2.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	M- AND P-XYLENE	1	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	METHYL CYCLOHEXANE	0.5	UG_L	U		U	

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Method	Sample ID	Sample Date	DF	Analyte	Result	Units	Laboratory Qualifier	Validator Qualifier	Final Qualifier	RC
8260C	VPB162-TB-072616	7/26/2016	1	TOLUENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	CHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	CYCLOHEXANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,2,4-TRICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	DIBROMOCHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	TETRACHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	XYLENES, TOTAL	1.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	CIS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	TRANS-1,2-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	METHYL TERT-BUTYL ETHER	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,2-DICHLOROETHENE, TOTAL	1	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,3-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	CARBON TETRACHLORIDE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	2-HEXANONE	2.5	UG_L	UL	J	UJ	c
8260C	VPB162-TB-072616	7/26/2016	1	ACETONE	2.8	UG_L	JL	J	J	l,c
8260C	VPB162-TB-072616	7/26/2016	1	CHLOROFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	BENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,1,1-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	BROMOMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	CHLOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	CHLOROETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	VINYL CHLORIDE	1	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	METHYLENE CHLORIDE	2.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	CARBON DISULFIDE	0.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-072616	7/26/2016	1	BROMOFORM	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	BROMODICHLOROMETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,1-DICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,1-DICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	TRICHLOROFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	DICHLORODIFLUOROMETHANE	1	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,2-DICHLOROPROPANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	2-BUTANONE	2.5	UG_L	U	J	UJ	c
8260C	VPB162-TB-072616	7/26/2016	1	1,1,2-TRICHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	TRICHLOROETHENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	METHYL ACETATE	0.75	UG_L	U	J	UJ	c
8260C	VPB162-TB-072616	7/26/2016	1	1,1,2,2-TETRACHLOROETHANE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	O-XYLENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,2-DICHLOROBENZENE	0.5	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	1,2-DIBROMO-3-CHLOROPROPANE	0.75	UG_L	U		U	
8260C	VPB162-TB-072616	7/26/2016	1	ISOPROPYLBENZENE	0.5	UG_L	U		U	

Table A-1
Qualified Results Summary

Notes:

ID = Identification
DF = Dilution factor
RC = Reason code
UG_L = Micrograms per liter
UG_G = Micrograms per gram
U = **Undetected** — The parameter was analyzed but undetected or was qualified as undetected during data review due to blank artifacts.

J = **Estimated Value** — One or more quality control parameters were outside control limits or the analyte concentration was less than the limit of quantitation.

UJ = Undetected and Estimated — The parameter was analyzed but undetected and was estimated because of a quality control outlier.

M = Indicates that the analyte was outside of the control limits in the matrix spike/matrix spike duplicate prepared and/or analyzed concurrently with the native sample (laboratory qualifier.)
L = Indicated that the analyte was outside the control limits for the laboratory control sample and/or the laboratory control sample duplicate (laboratory qualifier).

Qualification Reason Codes (multiple reason codes may be applied):

bf = Field blank contamination
bt = Trip blank contamination
be = Equipment blank contamination
bl = Lab blank contamination
c = Calibration issue
m = Matrix spike / matrix spike duplicate recovery
mc = Deviation from the method
l = Laboratory control sample recovery
s = Surrogate spike percent recovery

DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	SJ5501	
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: 09/21/2016
Reviewed by:	Tina Cantwell/Resolution Consultants	File Name: SJ5501_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 19 July 2016 in accordance with the following Sampling and Analysis Plans:

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

Sample ID	Matrix/Sample Type	Analysis
VPB162-AIR-071916	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 blank
NA	Matrix spike/matrix spike duplicate results
✓	Laboratory control sample (LCS) results
NA	Field duplicate
✓	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.

Qualifications Actions

The data were reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation but greater than the method detection limit were qualified by the laboratory as estimated (J). This "J" qualifier was retained during data validation. 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. Attachment A provides a summary of all qualified results.

ATTACHMENTS

Attachment A: Qualified Results Summary

Attachment A
Qualified Results Summary

Table A-1 Qualified Results Summary						
Method	**Sample ID**	**Sample Date**	**Analyte**	**Units**	**Result**	**Final Qualifier**
TO-15	VPB162-AIR-071916	07/19/2016	1,1,1-TRICHLOROETHANE	UG_M3	0.27	U
TO-15	VPB162-AIR-071916	07/19/2016	1,1,2,2-TETRACHLOROETHANE	UG_M3	0.34	U
TO-15	VPB162-AIR-071916	07/19/2016	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG_M3	0.33	J
TO-15	VPB162-AIR-071916	07/19/2016	1,1,2-TRICHLOROETHANE	UG_M3	0.27	U
TO-15	VPB162-AIR-071916	07/19/2016	1,1-DICHLOROETHANE	UG_M3	0.2	U
TO-15	VPB162-AIR-071916	07/19/2016	1,1-DICHLOROETHENE	UG_M3	0.2	U
TO-15	VPB162-AIR-071916	07/19/2016	1,2,4-TRICHLOROBENZENE	UG_M3	0.37	U
TO-15	VPB162-AIR-071916	07/19/2016	1,2-DIBROMOETHANE	UG_M3	0.38	U
TO-15	VPB162-AIR-071916	07/19/2016	1,2-DICHLOROBENZENE	UG_M3	0.3	U
TO-15	VPB162-AIR-071916	07/19/2016	1,2-DICHLOROETHANE	UG_M3	0.2	U
TO-15	VPB162-AIR-071916	07/19/2016	1,2-DICHLOROPROPANE	UG_M3	0.23	U
TO-15	VPB162-AIR-071916	07/19/2016	1,3-DICHLOROBENZENE	UG_M3	0.3	U
TO-15	VPB162-AIR-071916	07/19/2016	1,4-DICHLOROBENZENE	UG_M3	0.3	U
TO-15	VPB162-AIR-071916	07/19/2016	2-BUTANONE	UG_M3	0.28	J
TO-15	VPB162-AIR-071916	07/19/2016	2-HEXANONE	UG_M3	0.2	U
TO-15	VPB162-AIR-071916	07/19/2016	4-METHYL-2-PENTANONE	UG_M3	0.2	U
TO-15	VPB162-AIR-071916	07/19/2016	ACETONE	UG_M3	4.7	
TO-15	VPB162-AIR-071916	07/19/2016	BENZENE	UG_M3	0.15	J
TO-15	VPB162-AIR-071916	07/19/2016	BROMODICHLOROMETHANE	UG_M3	0.33	U
TO-15	VPB162-AIR-071916	07/19/2016	BROMOFORM	UG_M3	0.52	U
TO-15	VPB162-AIR-071916	07/19/2016	BROMOMETHANE	UG_M3	0.19	U
TO-15	VPB162-AIR-071916	07/19/2016	CARBON DISULFIDE	UG_M3	0.16	U
TO-15	VPB162-AIR-071916	07/19/2016	CARBON TETRACHLORIDE	UG_M3	0.24	J
TO-15	VPB162-AIR-071916	07/19/2016	CHLOROBENZENE	UG_M3	0.23	U
TO-15	VPB162-AIR-071916	07/19/2016	CHLOROETHANE	UG_M3	0.13	U
TO-15	VPB162-AIR-071916	07/19/2016	CHLOROFORM	UG_M3	0.14	J
TO-15	VPB162-AIR-071916	07/19/2016	CHLOROMETHANE	UG_M3	0.78	
TO-15	VPB162-AIR-071916	07/19/2016	CIS-1,2-DICHLOROETHENE	UG_M3	0.2	U
TO-15	VPB162-AIR-071916	07/19/2016	CIS-1,3-DICHLOROPROPENE	UG_M3	0.23	U
TO-15	VPB162-AIR-071916	07/19/2016	CYCLOHEXANE	UG_M3	0.17	U
TO-15	VPB162-AIR-071916	07/19/2016	DIBROMOCHLOROMETHANE	UG_M3	0.42	U
TO-15	VPB162-AIR-071916	07/19/2016	DICHLORODIFLUOROMETHANE	UG_M3	1.6	

Table A-1 Qualified Results Summary						
Method	**Sample ID**	**Sample Date**	**Analyte**	**Units**	**Result**	**Final Qualifier**
TO-15	VPB162-AIR-071916	07/19/2016	ETHYLBENZENE	UG_M3	0.22	U
TO-15	VPB162-AIR-071916	07/19/2016	ISOPROPYLBENZENE	UG_M3	0.24	U
TO-15	VPB162-AIR-071916	07/19/2016	M- AND P-XYLENE	UG_M3	0.23	J
TO-15	VPB162-AIR-071916	07/19/2016	METHYL TERT-BUTYL ETHER	UG_M3	0.18	U
TO-15	VPB162-AIR-071916	07/19/2016	METHYLENE CHLORIDE	UG_M3	9	
TO-15	VPB162-AIR-071916	07/19/2016	O-XYLENE	UG_M3	0.22	U
TO-15	VPB162-AIR-071916	07/19/2016	STYRENE	UG_M3	0.21	U
TO-15	VPB162-AIR-071916	07/19/2016	TETRACHLOROETHENE	UG_M3	0.34	U
TO-15	VPB162-AIR-071916	07/19/2016	TOLUENE	UG_M3	0.45	
TO-15	VPB162-AIR-071916	07/19/2016	TRANS-1,2-DICHLOROETHENE	UG_M3	0.2	U
TO-15	VPB162-AIR-071916	07/19/2016	TRANS-1,3-DICHLOROPROPENE	UG_M3	0.23	U
TO-15	VPB162-AIR-071916	07/19/2016	TRICHLOROETHENE	UG_M3	0.27	U
TO-15	VPB162-AIR-071916	07/19/2016	TRICHLOROFLUOROMETHANE	UG_M3	0.84	
TO-15	VPB162-AIR-071916	07/19/2016	VINYL CHLORIDE	UG_M3	0.13	U
TO-15	VPB162-AIR-071916	07/19/2016	XYLENES, TOTAL	UG_M3	0.35	J

Notes:

ID = Identification
UG_M3 = Micrograms per cubic meter of air
U = **Undetected –** The parameter was analyzed but undetected.
J = **Estimated –**- The analyte concentration was less than the limit of quantitation.

Section 5

VPB162 Analytical Data Table

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB162	VPB162	VPB162	VPB162
Sample Date		6/29/2016	6/29/2016	7/1/2016	7/1/2016
Sample ID		VPB162-GW-062916-58-60	VPB162-GW-062916-98-100	VPB162-GW-070116-148-150	VPB162-GW-070116-198-200
Sample Interval (ft bgs)		58-60	98-100	148-150	198-200
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	**0.65 J**
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 UJ***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	**0.37 J**
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 UJ	<1.0 UJ
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	**0.44 J**	<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	**0.45 J**	**1.9**
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)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/5/2016	7/5/2016	7/5/2016	7/6/2016
Sample ID		VPB162-GW-070516-218-220	VPB162-GW-070516-238-240	VPB162-GW-070516-258-260	VPB162-GW-070616-278-280
Sample Interval (ft bgs)		218-220	238-240	258-260	278-280
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	**1.1**
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	**0.88 J**	**1.3**
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	**1.8**	**2.3**	**5.2**	**6.5**
1,1-DICHLOROETHENE	5	**0.86 J**	**1.0**	**2.8**	**2.7**
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 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**0.33 J**	**0.45 J**	**0.58 J**	**0.62 J**
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	**3.6 J**	**3.9 J**	**6.2 J**	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	**0.44 J**	**0.41 J**	**0.71 J**	**0.74 J**
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**0.33 J**	**0.45 J**	**0.58 J**	**0.62 J**
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	**0.40 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 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	**1.0**	**1.3**	**1.2**	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**16**	**12**	**31**	**15**
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	**0.35 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)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/6/2016	7/6/2016	7/6/2016	7/7/2016
Sample ID		VPB162-GWD-070616	VPB162-GW-070616-298-300	VPB162-GW-070616-318-320	VPB162-GW-070716-343-345
Sample Interval (ft bgs)		278-280	298-300	318-320	343-345
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	**1.7**	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	**1.6**	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	**7.4**	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	**2.9**	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	**0.60 J**	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	**0.88 J**	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	**0.60 J**	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	**0.44 J**	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	**15**	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
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)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/7/2016	7/8/2016	7/8/2016	7/8/2016
Sample ID		VPB162-GW-070716-358-360	VPB162-GW-070816-378-380	VPB162-GW-070816-398-400	VPB162-GW-070816-418-420
Sample Interval (ft bgs)		358-360	378-380	398-400	418-420
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<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 UJ	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 U	**0.25 J**	**0.33 J**	**2.0 J**
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<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)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/11/2016	7/11/2016	7/11/2016	7/12/2016
Sample ID		VPB162-GW-071116-438-440	VPB162-GW-071116-458-460	VPB162-GW-071116-478-480	VPB162-GW-071216-498-500
Sample Interval (ft bgs)		438-440	458-460	478-480	98-500
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	**0.31 J**	<0.50 U	<0.50 U	**0.35 J**
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<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)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/12/2016	7/12/2016	7/13/2016	7/13/2016
Sample ID		VPB162-GW-071216-518-520	VPB162-GW-071216-538-540	VPB162-GW-071316-558-560	VPB162-GWD-071316
Sample Interval (ft bgs)		518-520	538-540	558-560	558-560
Sample type code		N	N	N	FD
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 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 UJ	<0.50 UJ	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 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	<2.5 UJ	<2.5 UJ	<2.5 U	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 UJ	<1.0 U
CARBON DISULFIDE	60	**0.40 J**	**0.74 J**	**1.6 J**	**1.3 J**
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/13/2016	7/13/2016	7/13/2016	7/13/2016
Sample ID		VPB162-GW-071316-583-585	VPB162-GW-071416-598-600	VPB162-GW-071416-618-620	VPB162-GW-071416-638-640
Sample Interval (ft bgs)		583-585	598-600	618-620	638-640
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 UJ	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	**0.44 J**	**0.58 J**	**0.40 J**	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/15/2016	7/15/2016	7/15/2016	7/18/2016
Sample ID		VPB162-GW-071516-658-660	VPB162-GW-071516-678-680	VPB162-GW-071516-698-700	VPB162-GW-071816-718-720
Sample Interval (ft bgs)		658-660	678-680	698-700	718-720
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	**0.54 J**	<1.0 U
CARBON DISULFIDE	60	**0.30 J**	<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 U	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<0.50 U	<0.50 U	**4.6**	**1.8**
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/19/2016	7/19/2016	7/20/2016	7/20/2016
Sample ID		VPB162-GW-071916-748-750	VPB162-GW-071916-763-765	VPB162-GW-072016-783-785	VPB162-GW-072016-798-800
Sample Interval (ft bgs)		748-750	763-765	783-785	798-800
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 UJ***	***<0.75 U***	***<0.75 U***	***<0.75 UJ***
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
2-BUTANONE	50	<2.5 UJ	<2.5 U	<2.5 U	<2.5 UJ
2-HEXANONE	50	<2.5 UJ	<2.5 U	<2.5 U	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 U	<2.5 U	<2.5 UJ
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
BROMOFORM	50	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
BROMOMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
CARBON DISULFIDE	60	**0.56 J**	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
CHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
CHLOROETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
CHLOROFORM	7	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
CHLOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<0.50 U***	***<0.50 UJ***
CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
ETHYLBENZENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
METHYL ACETATE	NL	<0.75 UJ	<0.75 U	<0.75 U	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 U	<2.5 U	<2.5 UJ
O-XYLENE	NL	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
STYRENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
TOLUENE	5	**2.7 J**	**2.1**	<0.50 U	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 UJ***	***<0.50 U***	***<0.50 U***	***<0.50 UJ***
TRICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 U	<0.50 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
VINYL CHLORIDE	2	<1.0 UJ	<1.0 U	<1.0 U	<1.0 UJ
XYLENES, TOTAL	5	<1.5 UJ	<1.5 U	<1.5 U	<1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/21/2016	7/21/2016	7/21/2016	7/22/2016
Sample ID		VPB162-GW-072116-818-820	VPB162-GW-072116-838-840	VPB162-GW-072116-858-860	VPB162-GW-072216-878-880
Sample Interval (ft bgs)		818-820	838-840	858-860	878-880
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	***<2.0 UJ***	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<3.0 UJ***	***<0.75 U***	***<0.75 U***	***<0.75 U***
1,2-DIBROMOETHANE	NL	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<4.0 UJ	<1.0 U	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	***<2.0 UJ***	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	**7.4 J**	<2.5 U	<2.5 U	<2.5 UJ
2-HEXANONE	50	<10 UJ	<2.5 U	<2.5 U	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<10 UJ	<2.5 U	<2.5 U	<2.5 U
ACETONE	50	<10 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
BENZENE	1	***<2.0 UJ***	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<4.0 UJ	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<2.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<4.0 UJ	<1.0 U	<1.0 U	<1.0 U
CHLOROFORM	7	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<4.0 UJ	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***<2.0 UJ***	***<0.50 U***	***<0.50 U***	***<0.50 U***
CYCLOHEXANE	NL	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<4.0 UJ	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<4.0 UJ	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<3.0 UJ	<0.75 U	<0.75 U	<0.75 UJ
METHYL CYCLOHEXANE	NL	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	***<10 UJ***	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
TOLUENE	5	<2.0 UJ	**0.58 J**	**0.37 J**	**2.4**
TRANS-1,2-DICHLOROETHENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<2.0 UJ***	***<0.50 U***	***<0.50 U***	***<0.50 U***
TRICHLOROETHENE	5	<2.0 UJ	<0.50 U	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<4.0 UJ	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	***<4.0 UJ***	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	***<6.0 UJ***	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB162	VPB162	VPB162	VPB162
Sample Date		7/22/2016	7/25/2016	7/25/2016	7/26/2016
Sample ID		VPB162-GW-072216-898-900	VPB162-GW-072516-918-920	VPB162-GW-072516-938-940	VPB162-GW-072616-958-960
Sample Interval (ft bgs)		898-890	918-920	938-940	958-960
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	<5.0 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 UJ	***<5.0 U***
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***<0.75 U***	***<0.75 U***	***<0.75 UJ***	***<7.5 U***
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 UJ	***<5.0 U***
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 UJ	***<10 U***
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 UJ	***<5.0 U***
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 UJ	***<5.0 U***
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 UJ	***<5.0 U***
2-BUTANONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<25 UJ
2-HEXANONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<25 UJ
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 UJ	<25 U
ACETONE	50	<2.5 UJ	<2.5 UJ	<2.5 UJ	<25 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 UJ	***<5.0 U***
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 UJ	***<10 U***
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 UJ	<5.0 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 UJ	***<10 U***
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 UJ	***<10 U***
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
CIS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 UJ***	***<5.0 U***
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 UJ	***<10 U***
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 UJ	<10 U
METHYL ACETATE	NL	<0.75 UJ	<0.75 UJ	<0.75 UJ	<7.5 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 UJ	***<25 U***
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
TETRACHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
TOLUENE	5	**1.6**	<0.50 U	<0.50 UJ	<5.0 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
TRANS-1,3-DICHLOROPROPENE	0.4	***<0.50 U***	***<0.50 U***	***<0.50 UJ***	***<5.0 U***
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 UJ	<5.0 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 UJ	***<10 U***
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 UJ	***<10 U***
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 UJ	***<15 U***

Notes:

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

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

Yellow highlighted values exceed Groundwater Standards or guidance value

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

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

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

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

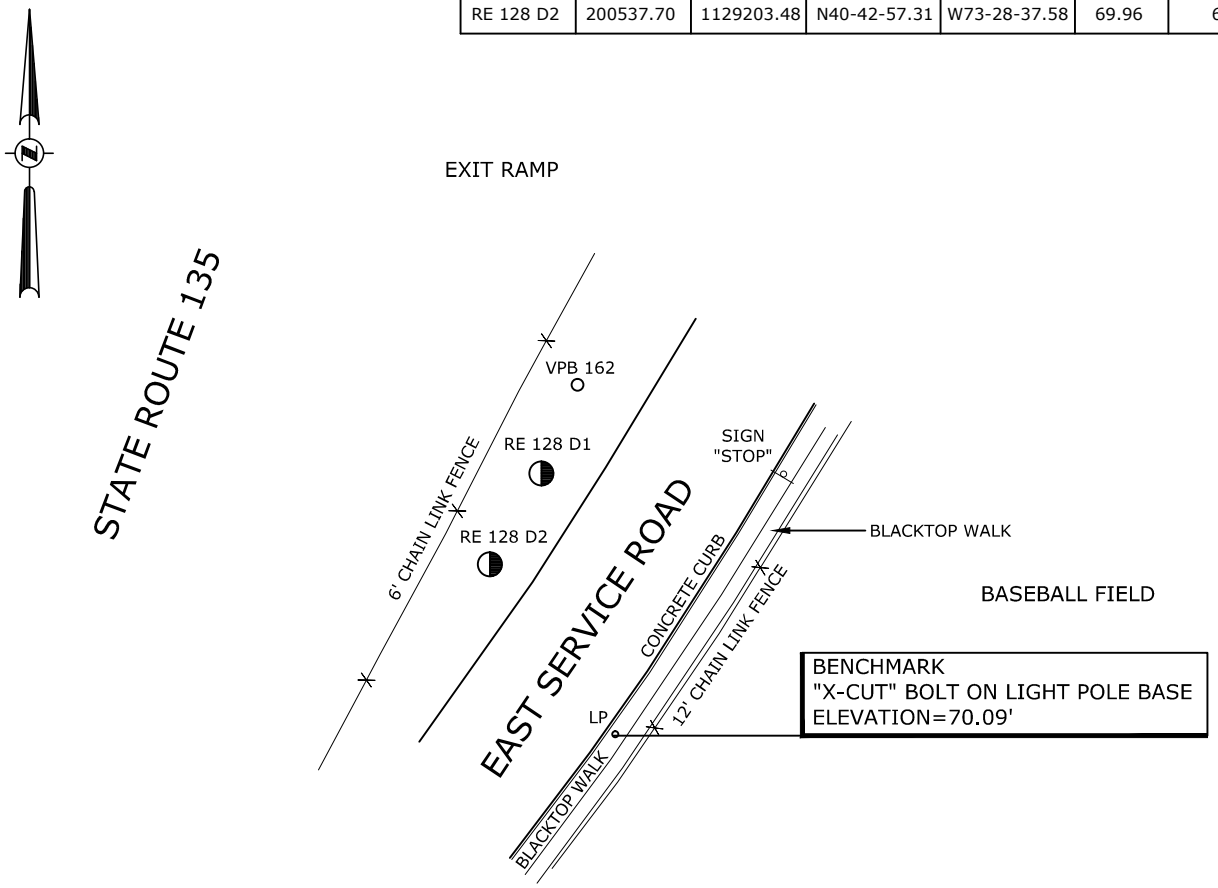
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

Section 6

VPB162 Survey

NONE :XREFS

Description	Northing	Easting	Latitude	Longitude	Ground	Rim	PVC
VPB 162	200575.06	1129221.74	N40-42-57.68	W73-28-37.34	69.00	NA	NA
RE 128 D1	200556.60	1129214.23	N40-42-57.49	W73-28-37.43	69.14	69.28	68.79
RE 128 D2	200537.70	1129203.48	N40-42-57.31	W73-28-37.58	69.96	69.09	68.53



Legend

LP	Light Pole
MW	Monitoring Well
VPB 162	Vertical Profile Boring

Map Notes

1. Information shown hereon was compiled from an actual field survey conducted on October 10, 2016.
2. North orientation is Grid North based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 as obtained from GPS observations.
3. Vertical datum shown hereon is NAVD 88 as obtained from GPS observations.

BAR SCALE

40 0 20 40 80

1 inch = 40 ft.

DWG NO. 16-580

Date	RECORD OF WORK	Appr.

VERTICAL PROFILE BORING 162 SURVEY LOCATION
EAST SERVICE ROAD

TOWN OF BETHPAGE | 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

Drafter: GLB	Checker: JFC
Appr. by: JFC	Proj. No. 14.4121
SCALE: 1"=40'	DATE:OCT. 10, 2016

CAD DWG. FILE NAME: K:\Projects\144121\Survey\Drawings and Maps\VPB 162.dwg

Appendix B

Geologic Cross sections derived from

Environmental Sequence Stratigraphy (ESS)

Appendix B. Geologic Cross Sections derived from Environmental Sequence Stratigraphy

Resolution Consultants reviewed the geologic data and regional literature at the Naval Weapons Industrial Reserve Plant at Bethpage, New York and developed four representative base-wide cross sections to support development of a CSM. The cross sections are presented in Figure 1 - Figure 4. The cross sections provide geologic context for groundwater and analytical data and can be used as the framework upon which new and existing datasets (groundwater, analytical chemistry, geophysical data, etc.) can be analyzed to better understand groundwater flow-paths and contaminant transport and storage zones. As such, these sections are an integral component of an effective CSM.

The cross sections were developed using ESS. The ESS approach examines subsurface data in the context of the depositional environments and petroleum industry best practices of sequence stratigraphy and facies models. Shown for each boring included in the stratigraphic analysis are a vertical series of colored blocks which correspond to boring log lithology and a continuous data curve (in red or as a scan of a paper document, which corresponds to the gamma log). These colored blocks represent vertical grain size distribution and are the basis for the correlations between the data points.

The color coded blocks correspond to the graphic grainsize scale as shown in the cross-sections' keys. The width of the block increases with relative grainsize. Block color indicates the textural classification of the sediment (e.g., yellow for sand, green for silt, blue for clay) as written in the field notes of the core logging geologist (see the cross section keys for further definition).

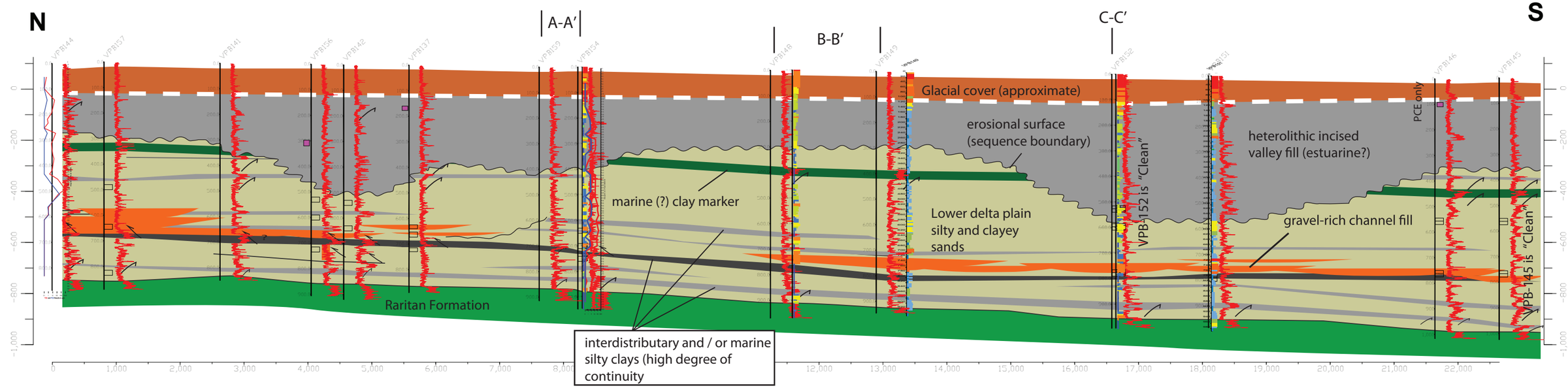
Logs of natural gamma emissions are a common proxy for grainsize. They typically are used as a correlation aide because repetitive spatially extensive trends in grainsize are easily identified visually when curves are examined along a given section. In non-granitic aquifer material, the chemistry of minerals found in clays result in higher concentrations of gamma emitting anions as opposed to the quartz, heavy minerals, and lithic fragments that generally predominate the coarser size fractions. Thus, peaks in the gamma logs can be indicative of clay layers and in general as gamma count per second increases, the grainsize decreases. Gamma logs should always be "calibrated" by comparing side by side with a lithologic log at representative locations. Good agreement between gamma logs and lithology logs were noted in the data points used for the ESS sections at Bethpage.

The previously established general hydrostratigraphy at Bethpage consists of the basal Raritan confining unit, the Magothy aquifer, and the shallow glacial aquifer. The stratigraphy shown in the sections presented in this technical memo is consistent with this general model but additionally shows the Magothy to consist of basal zone gravel-rich channel fills (orange in sections); extensive, planar marine clays (thin units shown in grey and dark green); and silty sands of inter-distributary and delta front origins (shown in tan). Additionally, an erosional incision into the lower delta plain sediments is observed throughout the site (portrayed in sections as a wavy solid black line). Above this, the Magothy sediments are more likely estuarine "incised valley fill" as indicated by the more heterogeneous gamma ray character. In some locations, such as VPB139 on section A-A', there appears to be clear lithologic control on contaminant distribution within the estuarine facies where the higher TCE and PCE concentrations occur in the coarser lithologic zones.

The depositional axis of the incised valley fill likely trends north-south/southeast. The incision is clearly indicated on all sections via the correlation of a prominent clay layer shown in sections in dark green. Where this clay is missing in the gamma logs, it is likely that it was eroded during a lowstand of sea level. Additionally, while relatively planar in their geometry, the major units dip gently south-south east. This is an important geologic characteristic to consider when comparing analytical results because hydrologic zones separated by thin confining layers within the Magothy may be accessed by screens of similar depth.

One of the most important benefits of the ESS approach is to develop and refine the CSM. ESS facilitates an understanding of the geology governing groundwater occurrence and movement, and provides an element for refining the approaches for assessment and remediation. The ESS results from this effort suggest that a modern analog (a modern geological setting that allows an understanding of the ancient environment) for the Magothy depositional environments is the Mackenzie River Delta, shown in Figure 5. Basal gravel zones are represented by the braided river deposits of the Toklat River, Alaska, in Figure 6.

Environmental Sequence Stratigraphy Cross Section



GRAIN SIZE LOG INDEX*

* not all grainsize categories shown in the comprehensive key are present at the site.
Site sediments are predominatly fine (clays, sandy clays, silts,and fine to medium sand)

- Clay
- Clay with 10% Sand
- Clay with 20% Sand
- Clay with 30% Sand
- Clay with 40% Sand
- Clay with Fine Gravel
- Clay with Medium Gravel
- Clay with Coarse Gravel
- Silt
- Silt with 10% Sand
- Silt with 20% Sand
- Sandy Silt
- Silty Sand
- Clayey Sand
- Silty Sand (Fine Sand with 40% Fines)
- Clayey Sand (Fine Sand with 40% Fines)
- Silty Sand (Fine Sand with 30% Fines)
- Clayey Sand (Fine Sand with 30% Fines)
- Silty Sand (Fine Sand with 10-20% Fines)
- Clayey Sand (Fine Sand with 10-20% Fines)
- Gravelly Silt (Silt with Fine Gravel)
- Gravelly Silt (Silt with Medium Gravel)
- Gravelly Silt (Silt with Coarse Gravel)
- Fine Sand
- Silty Sand (Medium Sand with 50% Fines)
- Clayey Sand (Medium Sand with 50% Fines)
- Silty Sand (Medium Sand with 40% Fines)
- Clayey Sand (Medium Sand with 40% Fines)
- Silty Sand (Medium Sand with 30% Fines)
- Clayey Sand (Medium Sand with 30% Fines)
- Silty Sand (Medium Sand with 10-20% Fines)
- Clayey Sand (Medium Sand with 10-20% Fines)
- Fine Sand with Fine Gravel
- Fine Sand with Medium Gravel
- Fine Sand with Coarse Gravel
- Medium Sand
- Silty Sand (Coarse Sand with 50% Fines)
- Clayey Sand (Coarse Sand with 50% Fines)
- Silty Sand (Coarse Sand with 40% Fines)
- Clayey Sand (Coarse Sand with 40% Fines)
- Silty Sand (Coarse Sand with 30% Fines)
- Clayey Sand (Coarse Sand with 30% Fines)
- Silty Sand (Coarse Sand with 10-20% Fines)
- Clayey Sand (Coarse Sand with 10-20% Fines)
- Medium Sand with Fine Gravel
- Medium Sand with Medium Gravel
- Medium Sand with Coarse Gravel
- Coarse Sand
- Coarse Sand with Fine Gravel
- Coarse Sand with Medium Gravel
- Coarse Sand with Coarse Gravel
- Clayey/Silty Gravel (Fine gravel with clay/silt)
- Clayey/Silty Gravel (Medium gravel with clay/silt)
- Clayey/Silty Gravel (Coarse gravel with clay/silt)
- Sandy Gravel (Fine Gravel with Sand)
- Sandy Gravel (Medium Gravel with Sand)
- Sandy Gravel (Coarse Gravel with Sand)
- Fine Gravel
- Medium Gravel
- Coarse Gravel

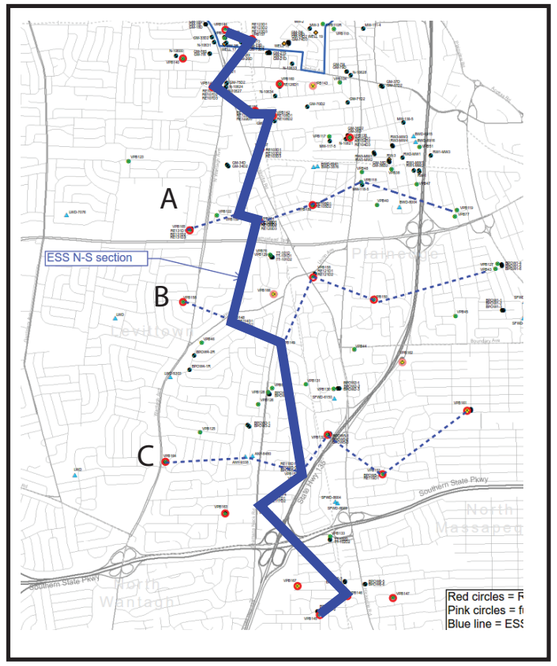


Figure 1. Cross Section N-S

A – A′

West

A

intersection with N-S

VPB-165 VPB-159 VPB-154 VPB-139 BWD 6-1 BWD 6-2 VPB-118 VPB-46 VPB-40 VPB-77 VPB-119

A′

East

Elevation (Ft.)

100 0 -100 -200 -300 -400 -500 -600 -700 -800

Apparent lithologic control on TCE and PCE concentrations

Potentially leaky zone in basal clay here

Raritan Formation

Natural Gamma in CPS

0 1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 11,000 12,000 13,000 14,000 15,000

Distance

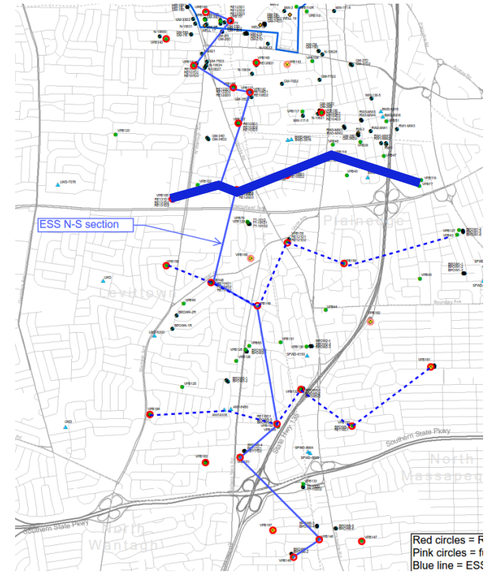
Glacial cover (approximate)

heterolithic incised valley fill (estuarine?)

marine (?) clay marker

interdistributary and / or marine silty clays (high degree of continuity (darkest grey clay may serve as base to contaminant)

gravel-rich channel fill



GRAIN SIZE LOG INDEX*

* not all grainsize categories shown in the comprehensive key are present at the site.
Site sediments are predominatly fine (clays, sandy clays, silts,and fine to medium sand)

- Clay
- Clay with 10% Sand
- Clay with 20% Sand
- Clay with 30% Sand
- Clay with 40% Sand
- Clay with Fine Gravel
- Clay with Medium Gravel
- Clay with Coarse Gravel
- Silt
- Silt with 10% Sand
- Silt with 20% Sand
- Sandy Silt
- Silty Sand
- Clayey Sand
- Silty Sand (Fine Sand with 40% Fines)
- Clayey Sand (Fine Sand with 40% Fines)
- Silty Sand (Fine Sand with 30% Fines)
- Clayey Sand (Fine Sand with 30% Fines)
- Silty Sand (Fine Sand with 10-20% Fines)
- Clayey Sand (Fine Sand with 10-20% Fines)
- Gravelly Silt (Silt with Fine Gravel)
- Gravelly Silt (Silt with Medium Gravel)
- Gravelly Silt (Silt with Coarse Gravel)
- Fine Sand
- Silty Sand (Medium Sand with 50% Fines)
- Clayey Sand (Medium Sand with 50% Fines)
- Silty Sand (Medium Sand with 40% Fines)
- Clayey Sand (Medium Sand with 40% Fines)
- Silty Sand (Medium Sand with 30% Fines)
- Clayey Sand (Medium Sand with 30% Fines)
- Silty Sand (Medium Sand with 10-20% Fines)
- Clayey Sand (Medium Sand with 10-20% Fines)
- Fine Sand with Fine Gravel
- Fine Sand with Medium Gravel
- Fine Sand with Coarse Gravel
- Medium Sand
- Silty Sand (Coarse Sand with 50% Fines)
- Clayey Sand (Coarse Sand with 50% Fines)
- Silty Sand (Coarse Sand with 40% Fines)
- Clayey Sand (Coarse Sand with 40% Fines)
- Silty Sand (Coarse Sand with 30% Fines)
- Clayey Sand (Coarse Sand with 30% Fines)
- Silty Sand (Coarse Sand with 10-20% Fines)
- Clayey Sand (Coarse Sand with 10-20% Fines)
- Medium Sand with Fine Gravel
- Medium Sand with Medium Gravel
- Medium Sand with Coarse Gravel
- Coarse Sand
- Coarse Sand with Fine Gravel
- Coarse Sand with Medium Gravel
- Coarse Sand with Coarse Gravel
- Clayey/Silty Gravel (Fine gravel with clay/silt)
- Clayey/Silty Gravel (Medium gravel with clay/silt)
- Clayey/Silty Gravel (Coarse gravel with clay/silt)
- Sandy Gravel (Fine Gravel with Sand)
- Sandy Gravel (Medium Gravel with Sand)
- Sandy Gravel (Coarse Gravel with Sand)
- Fine Gravel
- Medium Gravel
- Coarse Gravel

Figure 2. Cross Section A-A’

B

B–B′

B′

West

East

VPB-156

VPB-148

VPB-149

VPB-155

VPB-150

VPB-45

VPB-43

VPB-127

intersection with N-S

Glacial cover (approximate)

heterolithic incised valley fill (estuarine?)

marine (?) clay marker

Lower delta plain silty and clayey sands

gravel-rich channel fill

interdistributary and / or marine silty clays (high degree of continuity (darkest grey clay may serve as base to contaminant)

?

Raritan Formation

100

0

-100

-200

-300

-400

-500

-600

-700

-800

0

1,000

2,000

3,000

4,000

5,000

6,000

7,000

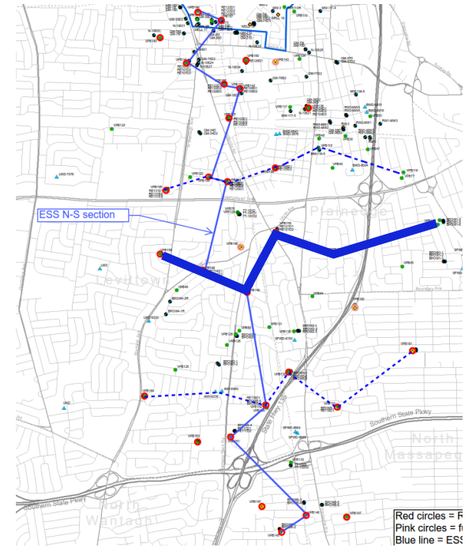
8,000

9,000

10,000

11,000

12,000

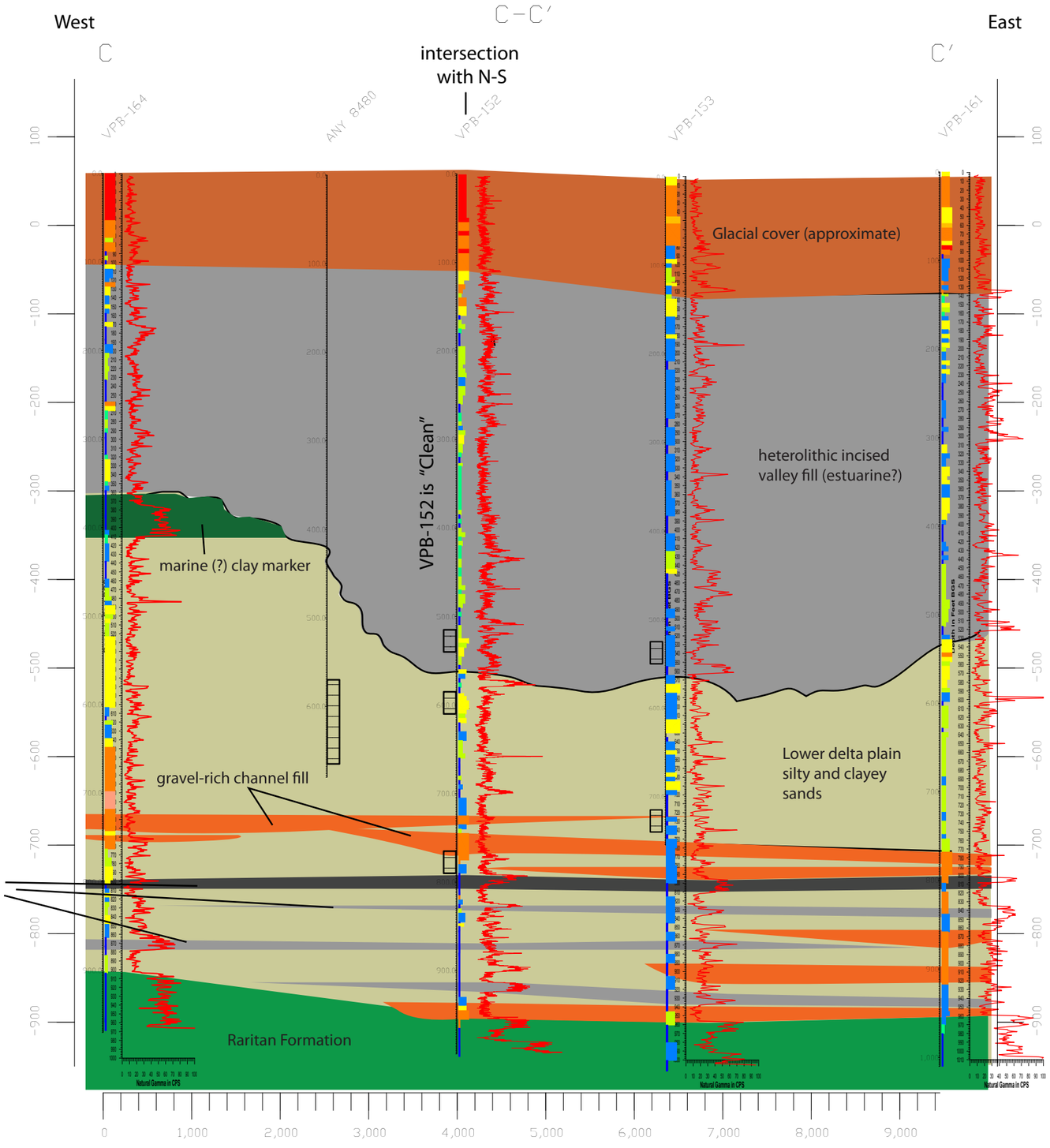


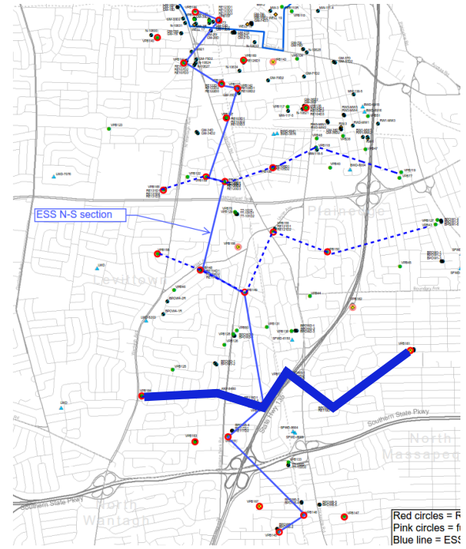
GRAIN SIZE LOG INDEX*

* not all grainsize categories shown in the comprehensive key are present at the site.
Site sediments are predominatly fine (clays, sandy clays, silts,and fine to medium sand)

- Clay
- Clay with 10% Sand
- Clay with 20% Sand
- Clay with 30% Sand
- Clay with 40% Sand
- Clay with Fine Gravel
- Clay with Medium Gravel
- Clay with Coarse Gravel
- Silt
- Silt with 10% Sand
- Silt with 20% Sand
- Sandy Silt
- Silty Sand
- Clayey Sand
- Silty Sand (Fine Sand with 40% Fines)
- Clayey Sand (Fine Sand with 40% Fines)
- Silty Sand (Fine Sand with 30% Fines)
- Clayey Sand (Fine Sand with 30% Fines)
- Silty Sand (Fine Sand with 10-20% Fines)
- Clayey Sand (Fine Sand with 10-20% Fines)
- Gravelly Silt (Silt with Fine Gravel)
- Gravelly Silt (Silt with Medium Gravel)
- Gravelly Silt (Silt with Coarse Gravel)
- Fine Sand
- Silty Sand (Medium Sand with 50% Fines)
- Clayey Sand (Medium Sand with 50% Fines)
- Silty Sand (Medium Sand with 40% Fines)
- Clayey Sand (Medium Sand with 40% Fines)
- Silty Sand (Medium Sand with 30% Fines)
- Clayey Sand (Medium Sand with 30% Fines)
- Silty Sand (Medium Sand with 10-20% Fines)
- Clayey Sand (Medium Sand with 10-20% Fines)
- Fine Sand with Fine Gravel
- Fine Sand with Medium Gravel
- Fine Sand with Coarse Gravel
- Medium Sand
- Silty Sand (Coarse Sand with 50% Fines)
- Clayey Sand (Coarse Sand with 50% Fines)
- Silty Sand (Coarse Sand with 40% Fines)
- Clayey Sand (Coarse Sand with 40% Fines)
- Silty Sand (Coarse Sand with 30% Fines)
- Clayey Sand (Coarse Sand with 30% Fines)
- Silty Sand (Coarse Sand with 10-20% Fines)
- Clayey Sand (Coarse Sand with 10-20% Fines)
- Medium Sand with Fine Gravel
- Medium Sand with Medium Gravel
- Medium Sand with Coarse Gravel
- Coarse Sand
- Coarse Sand with Fine Gravel
- Coarse Sand with Medium Gravel
- Coarse Sand with Coarse Gravel
- Clayey/Silty Gravel (Fine gravel with clay/silt)
- Clayey/Silty Gravel (Medium gravel with clay/silt)
- Clayey/Silty Gravel (Coarse gravel with clay/silt)
- Sandy Gravel (Fine Gravel with Sand)
- Sandy Gravel (Medium Gravel with Sand)
- Sandy Gravel (Coarse Gravel with Sand)
- Fine Gravel
- Medium Gravel
- Coarse Gravel

Figure 3. Cross Section B-B’





GRAIN SIZE LOG INDEX*

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- Silt with 10% Sand
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- Sandy Silt
- Silty Sand
- Clayey Sand
- Silty Sand (Fine Sand with 40% Fines)
- Clayey Sand (Fine Sand with 40% Fines)
- Silty Sand (Fine Sand with 30% Fines)
- Clayey Sand (Fine Sand with 30% Fines)
- Silty Sand (Fine Sand with 10-20% Fines)
- Clayey Sand (Fine Sand with 10-20% Fines)
- Gravelly Silt (Silt with Fine Gravel)
- Gravelly Silt (Silt with Medium Gravel)
- Gravelly Silt (Silt with Coarse Gravel)
- Fine Sand
- Silty Sand (Medium Sand with 50% Fines)
- Clayey Sand (Medium Sand with 50% Fines)
- Silty Sand (Medium Sand with 40% Fines)
- Clayey Sand (Medium Sand with 40% Fines)
- Silty Sand (Medium Sand with 30% Fines)
- Clayey Sand (Medium Sand with 30% Fines)
- Silty Sand (Medium Sand with 10-20% Fines)
- Clayey Sand (Medium Sand with 10-20% Fines)
- Fine Sand with Fine Gravel
- Fine Sand with Medium Gravel
- Fine Sand with Coarse Gravel
- Medium Sand
- Silty Sand (Coarse Sand with 50% Fines)
- Clayey Sand (Coarse Sand with 50% Fines)
- Silty Sand (Coarse Sand with 40% Fines)
- Clayey Sand (Coarse Sand with 40% Fines)
- Silty Sand (Coarse Sand with 30% Fines)
- Clayey Sand (Coarse Sand with 30% Fines)
- Silty Sand (Coarse Sand with 10-20% Fines)
- Clayey Sand (Coarse Sand with 10-20% Fines)
- Medium Sand with Fine Gravel
- Medium Sand with Medium Gravel
- Medium Sand with Coarse Gravel
- Coarse Sand
- Coarse Sand with Fine Gravel
- Coarse Sand with Medium Gravel
- Coarse Sand with Coarse Gravel
- Clayey/Silty Gravel (Fine gravel with clay/silt)
- Clayey/Silty Gravel (Medium gravel with clay/silt)
- Clayey/Silty Gravel (Coarse gravel with clay/silt)
- Sandy Gravel (Fine Gravel with Sand)
- Sandy Gravel (Medium Gravel with Sand)
- Sandy Gravel (Coarse Gravel with Sand)
- Fine Gravel
- Medium Gravel
- Coarse Gravel

Figure 4. Cross Section C-C’

Figure 5. Mackenzie River Delta Depositional Environment

Source: Thermal Emission and Reflection Radiometer image from NASA's TERRA satellite, August 4, 2005, Mackenzie River, Canada. Image from GSFC/METI/ERSDAC/JAROS and the US/Japan ASTER Science Team. http://earthobservatory.nasa.gov/IOTD/view.php?id=8320

Figure 6. Braided River Depositional Environment

Source: East Fork Toklat River, Alaska Range, Denali National Park https://pubs.usgs.gov/of/2004/1216/b/b.html