Vertical Profile Boring 151

Screen pick basis

Site location map

Gamma, TCE and PCE plot

Boring log

Analytical Data Table

Vertical Profile Boring 151

Screen pick basis

VPB151 well screen recommendations

Ground surface at the South Farmingdale Water District (SFWD) Plant 6 wells 6-1 and 6-2 (47 ft msl) is approximately 5 feet lower than at VPB151 (52 ft msl). All TCE and PCE results in VPB151 grab samples in the vicinity of the SFWD well screens were non-detects, however three low level TCE detections (≤1.6 ug/L) were observed between 740 and 800 ft bgs.

Because the SFWD well screens are close together and there were no TCE or PCE detections over this interval in VPB151, one shallow outpost monitoring well is recommended within the SFWD screened intervals to function as a sentinel well. Two additional wells are recommended as assessment wells to monitor the deeper zone where TCE was detected at VPB151, consistent with several upgradient detections at similar depths in VPB126, VPB128 and VPB131, located approximately 3000 feet north-northeast of VPB151. The addition of these two deeper wells at VPB151 will provide additional points to monitor the southwest portion of the plume as assessment wells.

545 to 570 ft bgs
Within the SFWD well screened intervals (506-576 and 529-606 ft bgs). Gamma counts are relatively low and the boring log reports poorly graded fine to medium sand with clay.

730 to 755 ft bgs
Selected to monitor potential migration of TCE detected at approximately 770 feet bgs in upgradient borings. Gamma counts are relatively low and the boring log reports fine to coarse sand, little gravel.

780 to 805 ft bgs
Selected to monitor potential migration of TCE detected at approximately 770 feet bgs in upgradient borings. Gamma counts are relatively low and the boring log reports clay and some fine sand over fine to medium sand.

Vertical Profile Boring 151

Site location map

F:\Projects\Navy\Bethpage WXE0817.0 Deliverables\7.2 CADD\GIS_files\Bethpage\MAP DOCS\MXD\MISC\Location Maps\F2 VPB 152 2015 01 23 R1.mxd

Former Naval Weapons Industrial Reserve Plant

Former Northrop Grumman Site

Inset: VPB151, VPB152, VPB153 and SFWD Plant 6 Location

South Farmingdale Water District Plant 6

0 375 750 1,500 Feet

0 750 1,500 3,000 Feet

Legend

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

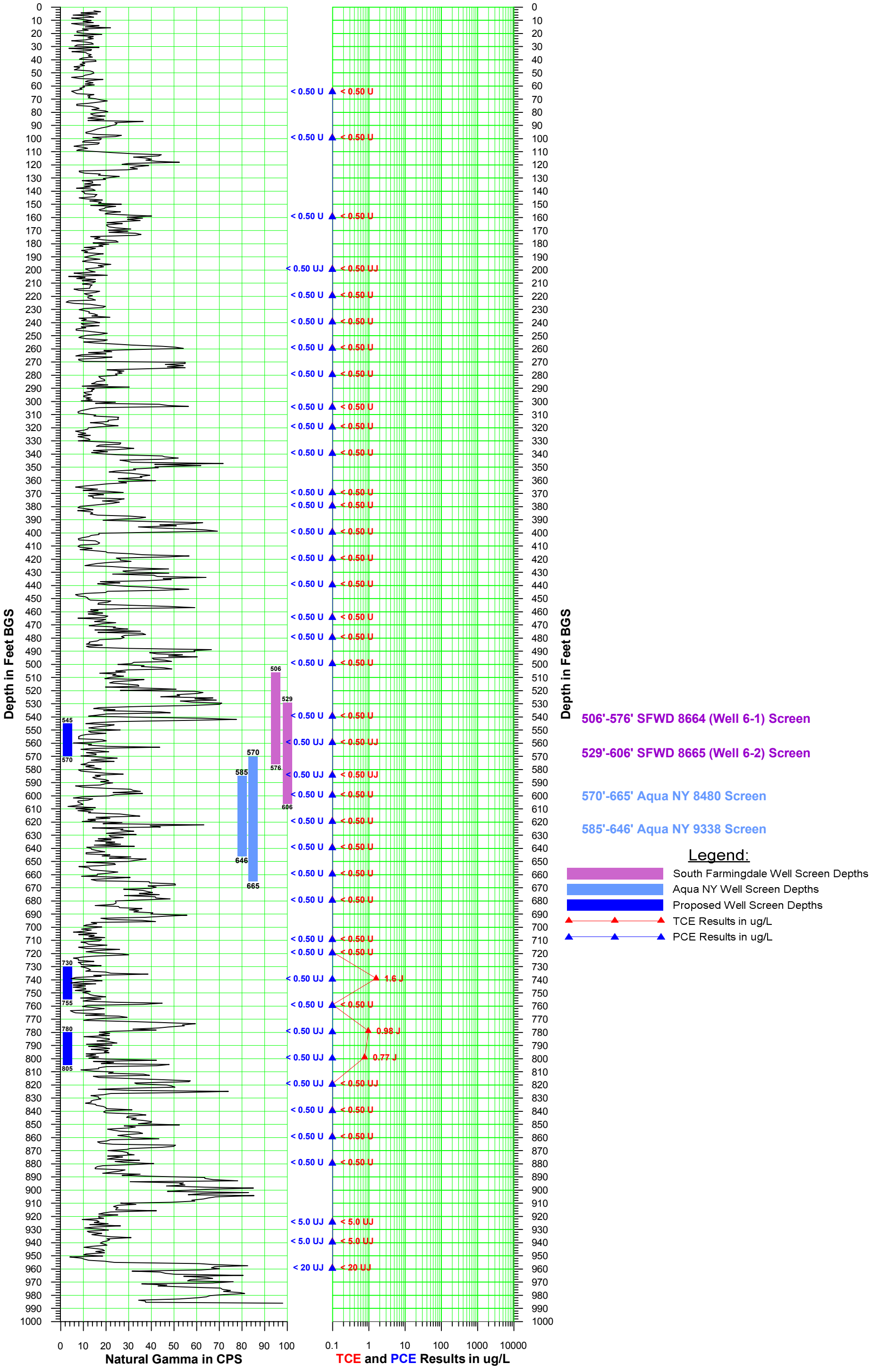
VPB 151, VPB 152, AND VPB 153 LOCATION MAP
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK

CONTRACT NUMBER	CTO NUMBER
N62470-11-D8013	WE15
APPROVED BY: PS	DATE: 1/23/2015
APPROVED BY: —	DATE: —
FIGURE NO.: 2	REV: 0

Vertical Profile Boring 151

Gamma, TCE and PCE plot

Vertical Profile Boring VPB-151
Downward Run - August 29, 2014
Validated Analytical Data



Vertical Profile Boring 151

Boring log

Resolution Consultants

Boring Log

BORING #: VPB151

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic		**Logged By:** Mike Zobel
Location: W. Harriad Dr. & Lawrence Rd.	**Northing:** 196279.29 **Easting:** 1125182.04	**Drilling Company:** Delta Well & Pump
Project #: 60266526	**Ground Elevation (ft amsl):** 52.72	**Well Screen Interval (ft):** NA
Start Date: 7/8/2014	**Drilling Method:** Auger (0-50' bgs) Mud Rotary (>50' bgs)	**Water Level (ft):** NA
Finish Date: 9/5/2014		**Total Depth (ft):** 990.0

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

DEPTH (ft)	Gamma Ray (0 / 30 / 60 / 90)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
0–2					Upper Glacial	SW		Brownish yellow (10 YR 6/6) well graded medium to coarse subrounded SAND with fine to coarse subrounded Gravel, few silt, few fine sand
2–6						SW		Yellow brown (10 YR 5/8) well graded fine to coarse subrounded SAND with fine to coarse subrounded Gravel, trace silt
6–12						SW		Yellow brown (10 YR 5/8) well graded fine to coarse subrounded SAND with fine to coarse subrounded Gravel, trace subrounded cobbles, trace silt
12–16						SW		Yellow brown (10 YR 5/8) well graded fine to coarse subrounded SAND with fine to coarse subrounded Gravel
16–22						SP		Yellow brown (10 YR 5/6) poorly graded medium to coarse subrounded SAND with fine to coarse subrounded Gravel, few fine sand
22–26						SP		Brownish yellow (10 YR 6/6) poorly graded medium to coarse subrounded SAND with fine to coarse subrounded Gravel, few fine sand, trace silt
26–32						SP		Brownish yellow (10 YR 6/6) poorly graded medium to coarse subrounded SAND with fine to coarse subrounded Gravel, few fine sand, trace silt
32–36						SW		Brownish yellow (10 YR 6/6) well graded fine to coarse subrounded SAND, with fine to coarse subrounded Gravel
36–42						SW		Brownish yellow (10 YR 6/6) well graded fine to coarse subrounded SAND, with fine to coarse subrounded Gravel
42–46						SW		Brownish yellow (10 YR 6/6) well graded fine to coarse subrounded SAND, with fine to coarse subrounded Gravel
46–50						SW		Brownish yellow (10 YR 6/6) well graded fine to coarse subrounded SAND with fine subrounded Gravel
50–54						SW		

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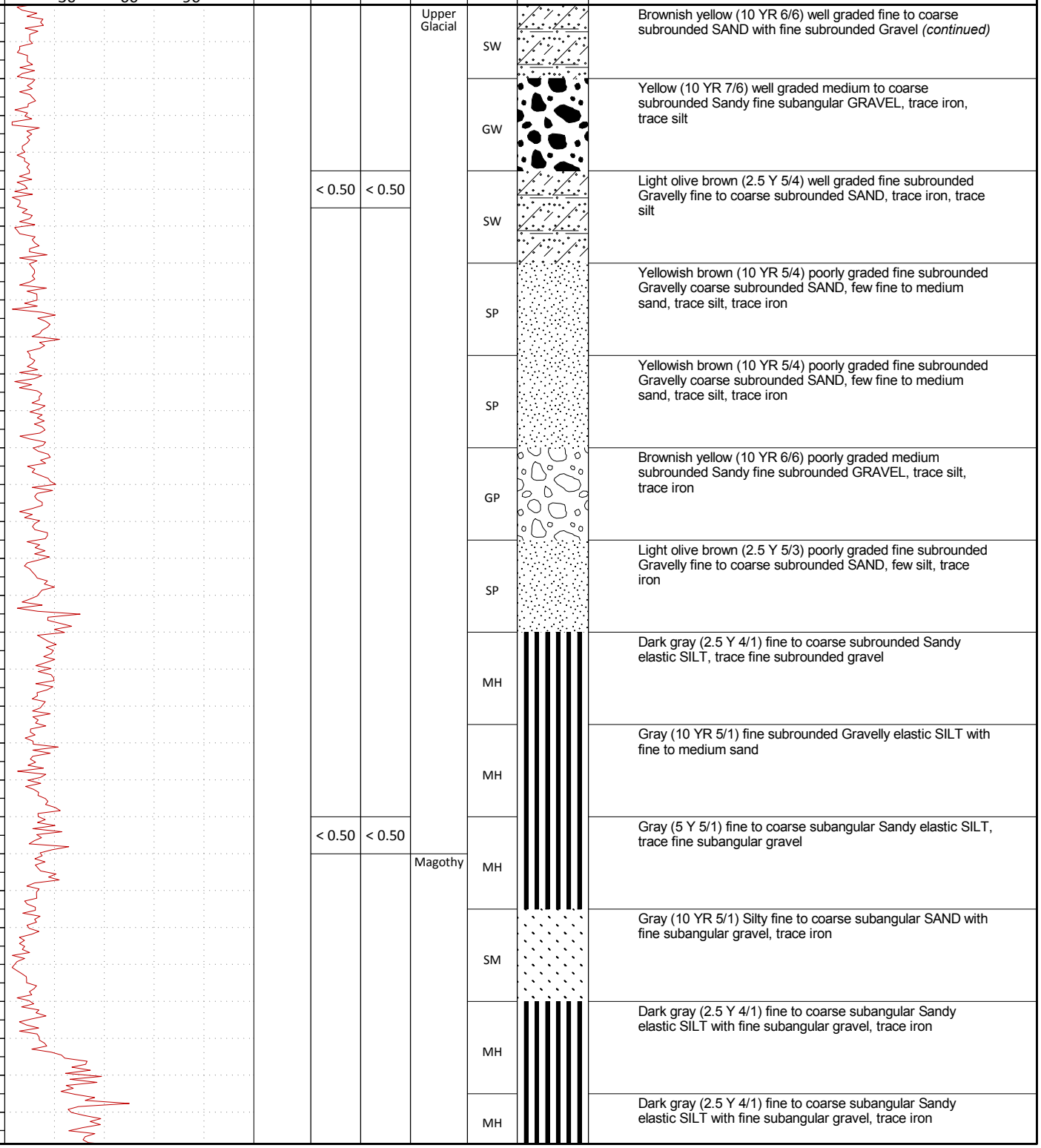
Resolution Consultants

Boring Log

BORING #: VPB151

Sheet 2 of 17



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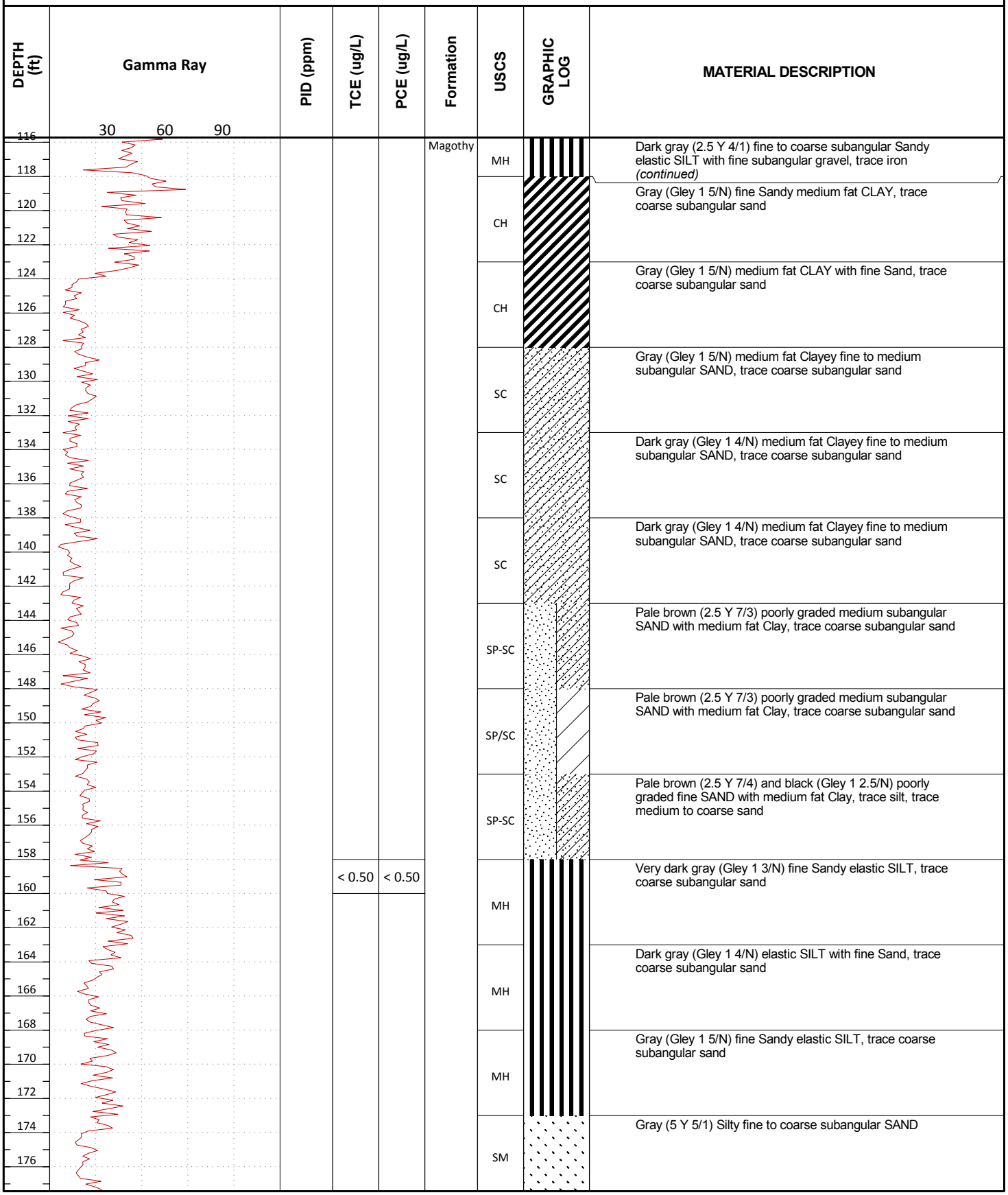
Resolution Consultants

Boring Log

BORING #: VPB151

Sheet 3 of 17



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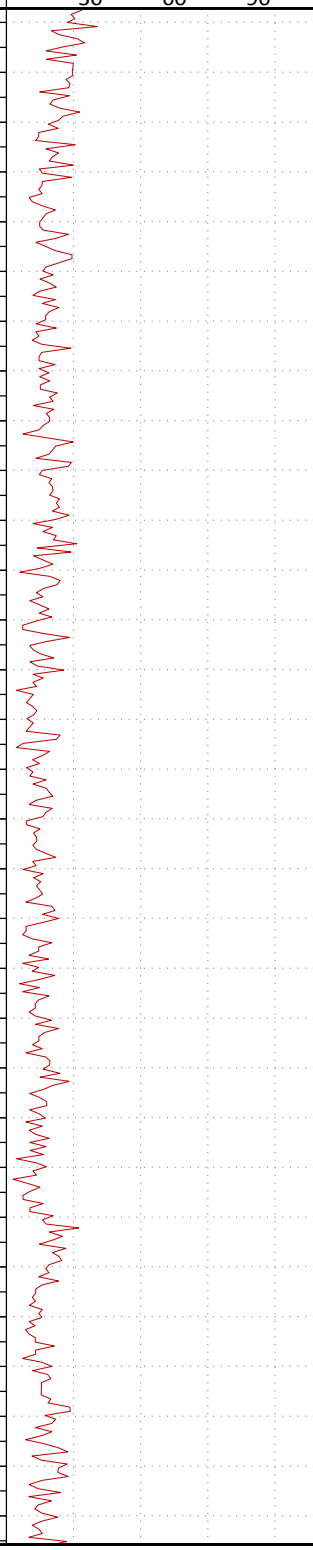
Resolution Consultants

Boring Log

BORING #: VPB151



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
178				Magothy			
180					SM		Gray (2.5 Y 6/1) Silty fine to medium subangular SAND, trace medium fat clay, trace lignite
182							
184					SP-SM		Gray (2.5 Y 6/1) poorly graded fine to medium subangular SAND with Silt, trace medium fat clay, trace lignite
186							
188					SP		Gray (2.5 Y 5/1) poorly graded fine to medium subangular SAND, trace medium fat Clay, trace lignite
190							
192					SP		Gray (2.5 Y 5/1) poorly graded fine to medium subangular SAND, few Lignite, trace medium fat clay
194							
196					SP		Gray (2.5 Y 5/1) poorly graded fine to medium subangular SAND, few Lignite, trace coarse subangular sand
198							
200		< 0.50	< 0.50		SP		Brownish yellow (10 YR 6/6) poorly graded fine to coarse subangular SAND, few Lignite
202							
204					SP		Brownish yellow (10 YR 6/6) poorly graded fine to coarse subangular SAND, few Lignite
206							
208					SP		Brownish yellow (10 YR 6/6) poorly graded fine to coarse subrounded SAND, few Lignite
210							
212					SP		Gray (2.5 Y 5/1) poorly graded fine to coarse subrounded SAND, few Lignite
214							
216					SP-SM		Very dark gray (7.5 YR 3/1) poorly graded fine to coarse subrounded SAND with Silt, few fine subrounded gravel, trace lignite
218							
220		< 0.50	< 0.50		SP-SM		Very dark gray (7.5 YR 3/1) poorly graded fine to coarse subrounded SAND with Silt, few fine subrounded gravel, trace lignite
222							
224					GP-SM		Pale yellow (5 Y 8/2) poorly graded fine subrounded GRAVEL with Silt, few fine to medium subrounded sand, trace lignite
226							
228							
230							
232							
234							
236							
238							
		< 0.50	< 0.50		SW		

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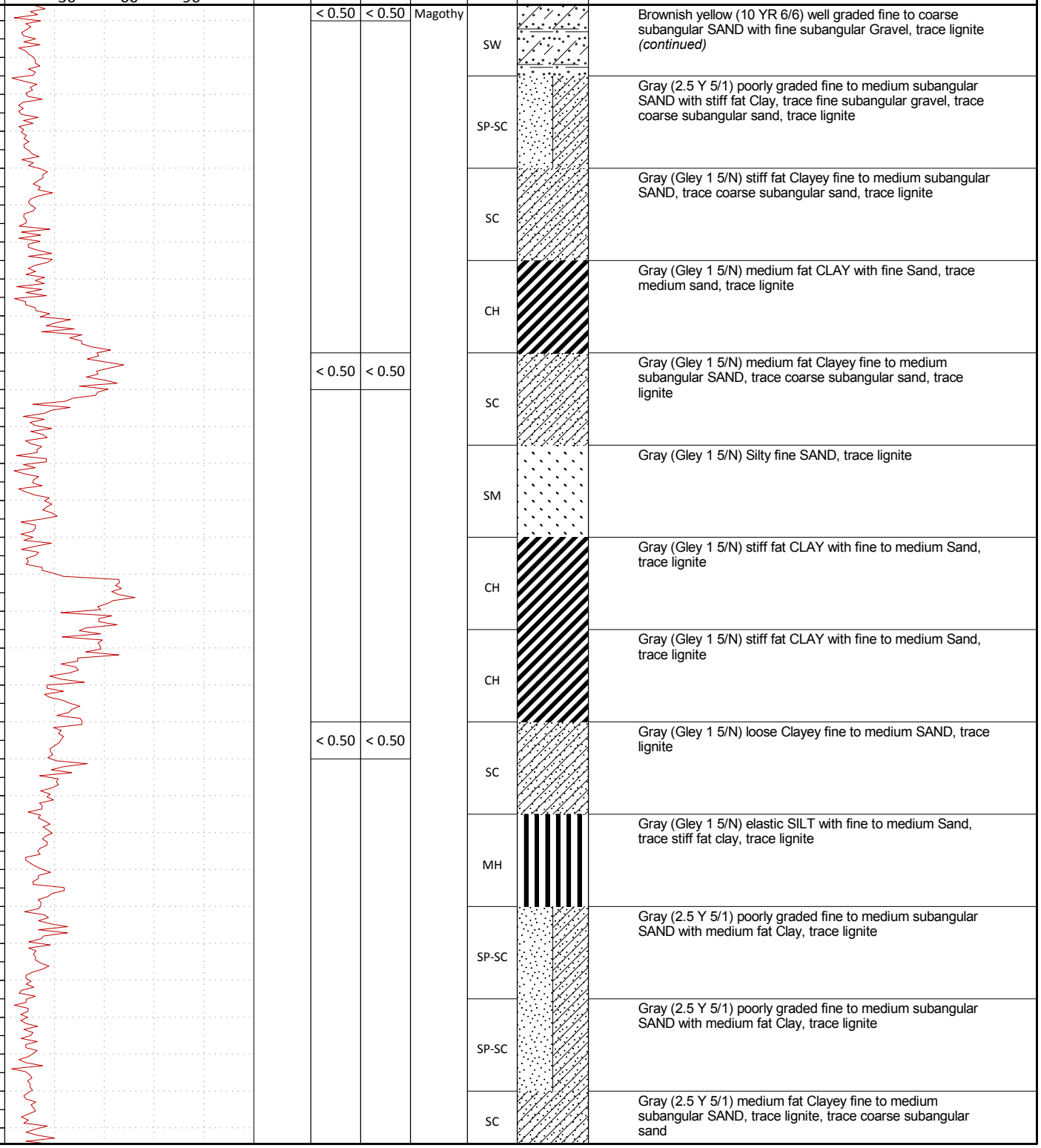
Resolution Consultants

Boring Log

BORING #: VPB151

Sheet 5 of 17



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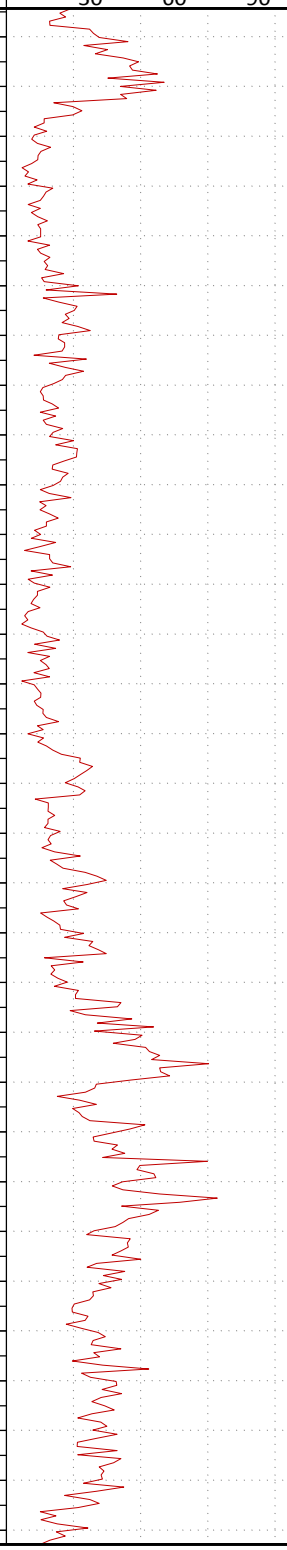
Boring Log

BORING #: VPB151



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
302				Magothy	SC		
304		< 0.50	< 0.50		CH		Gray (Gley 1 5/N) fine to medium subangular Sandy stiff fat CLAY, trace lignite, trace coarse subangular sand
306							
308							
310					SC		Gray (Gley 1 5/N) medium fat Clayey fine to medium subangular SAND, trace lignite, trace coarse subangular sand
312							
314					SC		Gray (Gley 1 5/N) medium fat Clayey fine to medium subangular SAND, trace lignite, trace coarse subangular sand
316							
318							
320		< 0.50	< 0.50		SP		Gray (2.5 Y 6/1) poorly graded fine SAND, trace medium fat Clay, trace medium to coarse subangular sand
322							
324					SP		Light brownish gray (2.5 Y 6/2) poorly graded fine SAND, trace medium fat Clay, trace medium to coarse subangular sand
326							
328							
330					SP-SC		Gray (2.5 Y 6/1) poorly graded fine SAND with medium fat Clay, trace medium to coarse subangular sand
332							
334					SP-SC		Gray (2.5 Y 6/1) poorly graded fine SAND with medium fat Clay, trace medium to coarse subangular sand
336							
338							
340		< 0.50	< 0.50		SP-SC		Gray (2.5 Y 6/1) poorly graded fine SAND with medium fat Clay, trace medium to coarse subangular sand
342							
344	0				SC		Light gray (2.5 Y 7/1) and black (Gley 1 2.5/N) interbedded (2"-4") fine to medium subangular SAND (60%), stiff fat Clay (30%), fine subrounded gravel (10%), trace lignite
346					CH		Gray (Gley 1 5/N) loose fat CLAY with fine to coarse subangular Sand, trace fine subrounded gravel
348							
350					CH		Gray (Gley 1 5/N) stiff fat CLAY, trace fine to coarse subangular Sand, trace lignite
352							
354					CH		Gray (Gley 1 5/N) stiff fat CLAY, trace fine to coarse subangular Sand, trace lignite
356							
358							
360					CH		Gray (Gley 1 5/N) stiff fat CLAY, trace fine to coarse subangular Sand, trace lignite
362							

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Resolution Consultants

Boring Log

BORING #: VPB151

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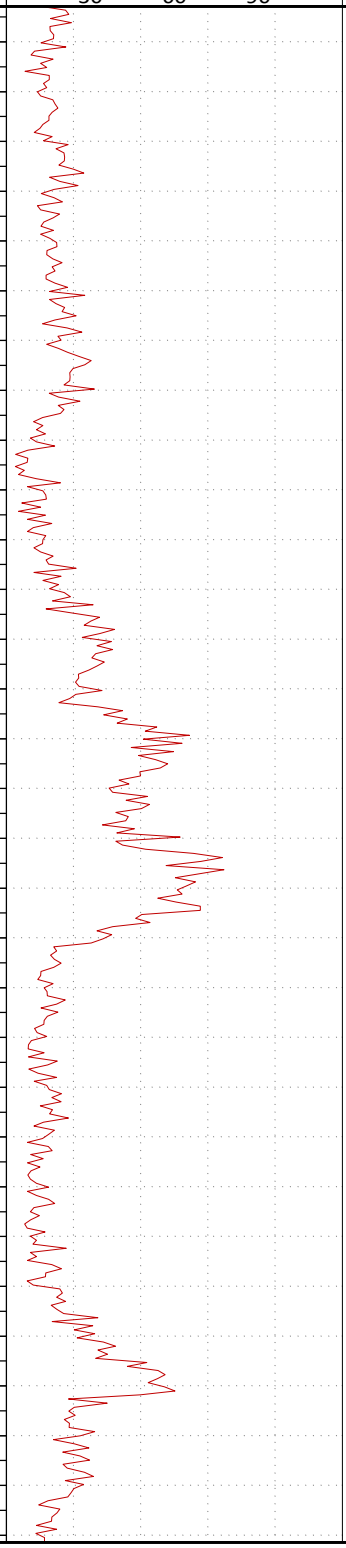

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
364				Magothy	SC		Gray (Gley 1 5/N) medium fat Clayey fine to medium subangular SAND, trace lignite
366							
368							
370		< 0.50	< 0.50		SC		Gray (Gley 1 6/N) medium fat Clayey fine SAND, trace medium to coarse subangular sand
372							
374					SM		Gray (Gley 1 6/N) Silty fine SAND, trace medium to coarse subangular sand, trace medium fat clay
376							
378							
380		< 0.50	< 0.50		SC		Gray (Gley 1 5/N) medium fat Clayey fine to medium subangular SAND, trace coarse subangular sand
382							
384					CH		Gray (Gley 1 5/N) fine to medium Sandy loose fat CLAY, few pyrite, trace coarse subangular sand
386							
388							
390					CH		Gray (Gley 1 5/N) fine to medium Sandy loose fat CLAY, few pyrite, trace coarse subangular sand
392							
394					CH		Gray (Gley 1 5/N) fine to medium Sandy loose fat CLAY, trace pyrite, trace coarse subangular sand
396							
398							
400		< 0.50	< 0.50		SC		Gray (Gley 1 6/N) medium fat Clayey fine to medium SAND, trace coarse subangular sand
402							
404					SP		Gray (2.5 Y 5/N) poorly graded fine to medium subangular SAND, trace medium fat Clay, trace coarse subangular sand
406							
408							
410					SP		Gray (2.5 Y 5/N) poorly graded fine to medium subangular SAND, trace medium fat Clay, trace coarse subangular sand
412							
414					SC		Gray (2.5 Y 5/N) medium fat Clayey fine to medium subangular SAND, trace coarse subangular sand
416							
418							
420		< 0.50	< 0.50		SC		Gray (2.5 Y 5/N) medium fat Clayey fine to medium subangular SAND, trace coarse subangular sand
422							
424					SC		

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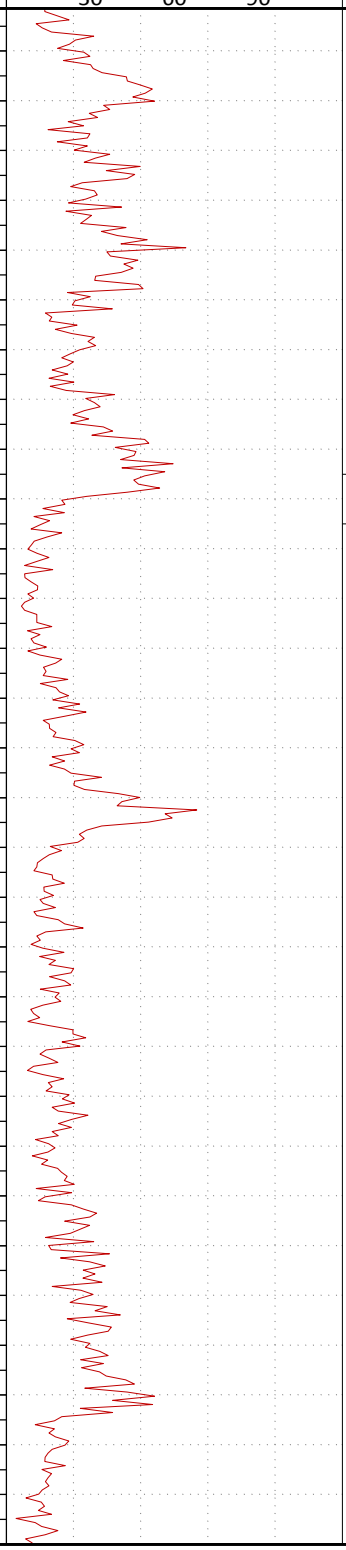
Boring Log

BORING #: VPB151



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
426				Magothy	SC		Dark gray (Gley 1 4/N) loose fat Clayey fine SAND, trace medium to coarse subangular sand, trace pyrite, trace lignite *(continued)*
428							
430					SC		Dark gray (Gley 1 4/N) loose fat Clayey fine SAND, trace medium to coarse subangular sand, trace pyrite, trace lignite
432							
434					SC		Dark gray (Gley 1 4/N) loose fat Clayey fine SAND, trace medium to coarse subangular sand, trace pyrite, trace lignite
436							
438							
440		< 0.50	< 0.50		CH		Dark gray (Gley 1 4/N) fine Sandy medium fat CLAY, few lignite
442							
444	0				CL		Black (Gley 1 2.5/N) laminated medium lean CLAY, few Lignite, trace fine sand
446					CL		Black (Gley 1 2.5/N) laminated medium lean CLAY, few Lignite, trace fine sand
448							
450					SC		Dark gray (Gley 1 4/N) loose fat Clayey fine SAND, trace medium to coarse subangular sand, trace lignite
452							
454					SC		Dark gray (Gley 1 4/N) loose fat Clayey fine SAND, trace medium to coarse subangular sand, trace lignite
456							
458							
460					SC		Dark gray (Gley 1 4/N) loose fat Clayey fine SAND, trace medium to coarse subangular sand, trace lignite
462							
464		< 0.50	< 0.50		SPSC		Gray (2.5 Y 5/1) poorly graded fine to medium subangular SAND with loose fat Clay, trace coarse subangular sand, trace lignite
466							
468							
470					SPSC		Gray (2.5 Y 5/1) poorly graded fine to medium subangular SAND with loose fat Clay, trace coarse subangular sand, trace lignite
472							
474					SC		Gray (2.5 Y 5/1) medium fat Clayey fine to medium subangular SAND, trace coarse subangular sand, trace pyrite, trace lignite
476							
478							
480		< 0.50	< 0.50		CH		Gray (Gley 1 5/N) fine to medium subangular Sandy medium fat CLAY, trace coarse subangular sand, trace lignite, trace pyrite
482							
484					SC		Gray (Gley 1 5/N) medium fat Clayey fine to medium subangular SAND, trace coarse subangular sand, trace lignite, trace pyrite
486							

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Resolution Consultants

Boring Log

BORING #: VPB151

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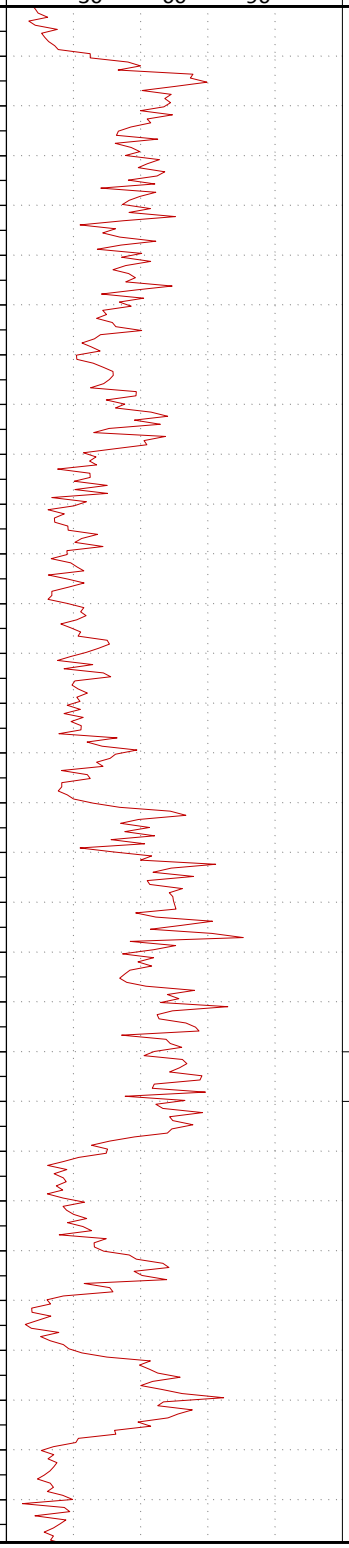

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
486				Magothy	SC		
488							
490					CH		Gray (Gley 1 5/N) fine to medium subangular Sandy medium fat CLAY, trace coarse subangular sand, trace pyrite, trace lignite
492							
494					CH		Gray (Gley 1 5/N) fine to medium subangular Sandy medium fat CLAY, trace coarse subangular sand, trace pyrite, trace lignite
496							
498							
500		< 0.50	< 0.50		CH		Gray (Gley 1 5/N) fine Sandy loose fat CLAY, trace medium to coarse subangular sand
502							
504					CH		Gray (Gley 1 5/N) fine Sandy loose fat CLAY, trace medium to coarse subangular sand
506							
508							
510					SC		Gray (Gley 1 5/N) loose fat Clayey fine SAND, trace medium to coarse subangular sand
512							
514					CH		Gray (Gley 1 5/N) fine Sandy loose fat CLAY, trace medium to coarse subangular sand
516							
518							
520					CH		Gray (Gley 1 5/N) medium fat CLAY with fine Sand, trace medium subangular sand
522							
524					CH		Gray (Gley 1 5/N) medium fat CLAY with fine Sand, trace medium subangular sand
526							
528							
530	0				CH		Gray (Gley 1 5/N) fine Sandy loose fat CLAY
532					CH		Gray (Gley 1 5/N) fine Sandy loose fat CLAY, trace medium subangular sand
534					SC		Gray (Gley 1 5/N) loose fat Clayey fine to medium subangular SAND, trace stiff fat clay
536							
538							
540		< 0.50	< 0.50		SP-SC		Gray (2.5 Y 5/1) poorly graded fine to medium subangular SAND with loose fat Clay
542							
544					SC		Gray (2.5 Y 5/1) loose fat Clayey fine to medium subangular SAND, trace pyrite
546							

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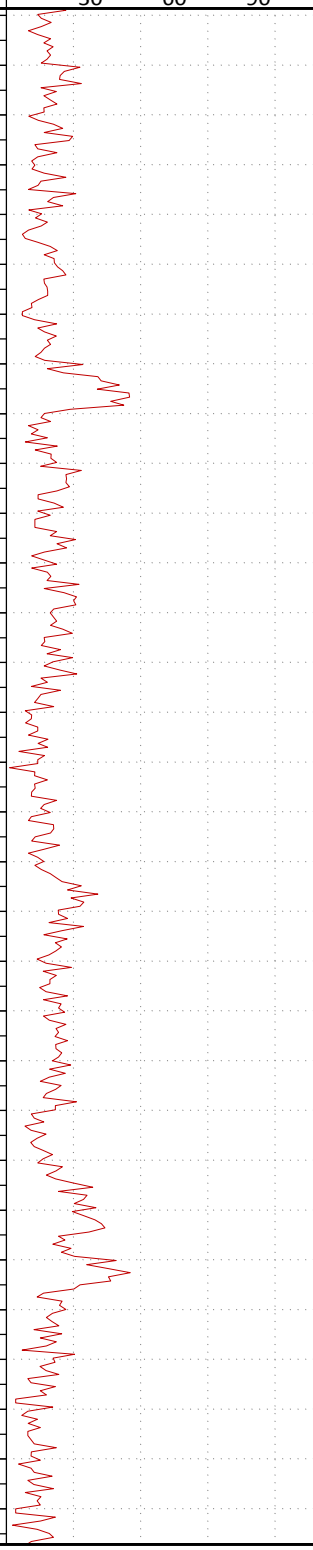
Resolution Consultants

Boring Log

BORING #: VPB151



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
548				Magothy			
550					SP-SC		Gray (2.5 Y 5/1) poorly graded fine to medium subangular SAND with loose fat Clay
552							
554					SPSC		Gray (2.5 Y 5/1) poorly graded fine to medium subangular SAND with loose fat Clay
556							
558							
560		< 0.50	< 0.50		SP-SC		Gray (2.5 Y 5/1) poorly graded fine to medium subangular SAND with loose fat Clay
562							
564					SW		Gray (2.5 Y 6/1) well graded fine to coarse subangular SAND, trace loose fat Clay, trace lignite
566							
568							
570					SW		Gray (2.5 Y 6/1) well graded fine to coarse subangular SAND, trace loose fat Clay, trace lignite
572							
574					SP		Gray (2.5 Y 6/1) poorly graded fine to medium subangular SAND, trace fat Clay, trace lignite
576							
578							
580					SC		Gray (Gley 1 5/N) loose fat Clayey fine to medium subangular SAND, trace lignite
582							
584		< 0.50	< 0.50		SP		Gray (Gley 1 5/N) poorly graded fine to coarse subangular SAND, trace medium fat Clay, trace lignite
586							
588							
590					SP		Gray (Gley 1 5/N) poorly graded fine to coarse subangular SAND, trace fine subangular Gravel, trace medium fat clay, trace lignite
592							
594					SP		Gray (Gley 1 5/N) poorly graded fine to coarse subangular SAND, trace fine subangular Gravel, trace medium fat clay, trace lignite
596							
598							
600		< 0.50	< 0.50		SP-SM		Gray (Gley 1 6/N) poorly graded fine to medium subangular SAND with elastic Silt, trace loose fat clay
602							
604							
606					SW-SM		Gray (Gley 1 6/N) well graded fine to coarse subangular SAND with elastic Silt, trace loose fat clay, trace pyrite
608							
					SW-SM		

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Resolution Consultants

Boring Log

BORING #: VPB151

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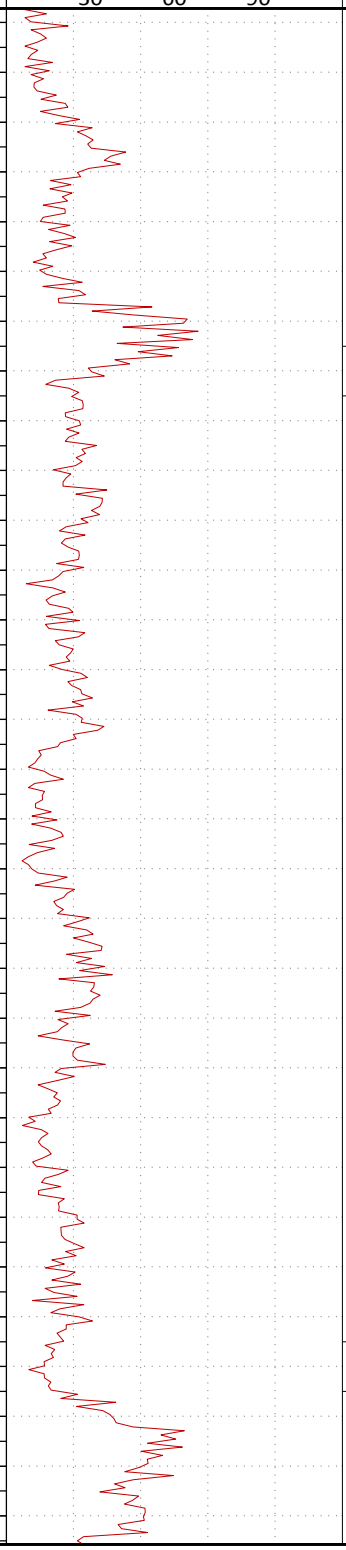

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
610				Magothy	SW-SM		Gray (Gley 1 6/N) well graded fine to coarse subangular SAND with elastic Silt, trace loose fat clay, trace pyrite *(continued)*
612							
614					SW-SM		Gray (Gley 1 6/N) well graded fine to coarse subangular SAND with elastic Silt, trace loose fat clay, trace pyrite
616							
618							
620		< 0.50	< 0.50		SC		Gray (Gley 1 5/N) medium fat Clayey fine to medium subangular SAND
622							
624	0				CH		Gray (Gley 1 5/N) stiff fat CLAY with fine Sand, laminated
626					CH		Gray (Gley 1 6/N) fine to medium subangular Sandy medium fat CLAY, trace lignite
628							
630					SW-SC		Gray (Gley 1 6/N) well graded fine to coarse subangular SAND with medium fat Clay, trace pyrite, trace lignite
632							
634					SW-SC		Gray (Gley 1 6/N) well graded fine to coarse subangular SAND with medium fat Clay, trace pyrite, trace lignite
636							
638							
640		< 0.50	< 0.50		CH		Gray (Gley 1 5/N) fine to medium subangular Sandy loose fat CLAY, trace pyrite, trace lignite
642							
644					CH		Gray (Gley 1 5/N) fine to medium subangular Sandy loose fat CLAY, trace pyrite, trace lignite
646							
648							
650					CH		Gray (Gley 1 5/N) fine to coarse subangular Sandy loose fat CLAY, trace pyrite, trace lignite
652							
654					CH		Gray (Gley 1 5/N) fine to coarse subangular Sandy loose fat CLAY, trace pyrite, trace lignite
656							
658							
660		< 0.50	< 0.50		SC		Gray (Gley 1 5/N) loose fat Clayey fine to medium subangular SAND, trace pyrite, trace lignite
662							
664	0				SC		Gray (Gley 1 5/N) medium fat Clayey fine to medium subangular SAND, trace pyrite, trace lignite
666					CH		Gray (Gley 1 5/N) medium fat CLAY with fine to medium subangular Sand, trace pyrite
668							
670					CH		Gray (Gley 1 5/N) medium fat CLAY with fine to medium subangular Sand, trace pyrite

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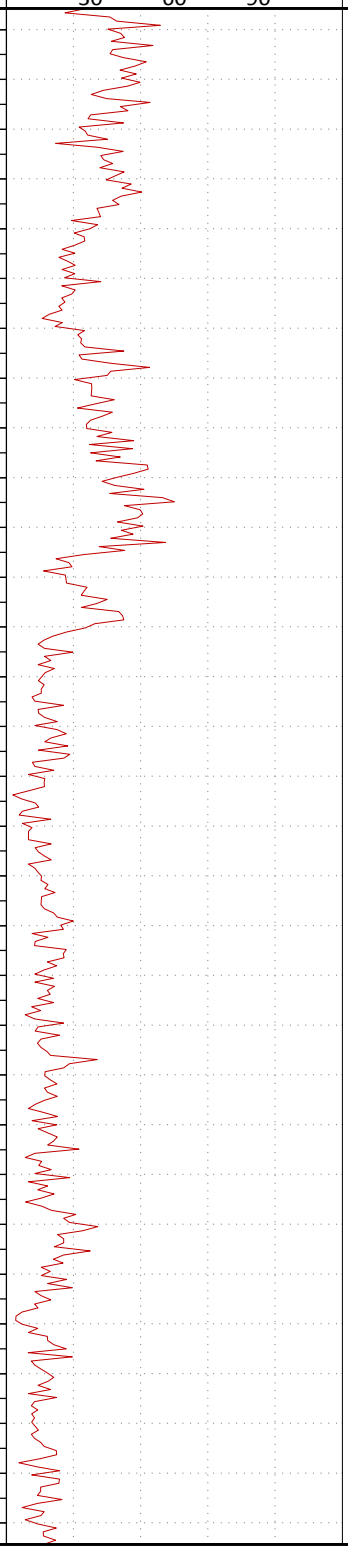
Resolution Consultants

Boring Log

BORING #: VPB151



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
672				Magothy	CH		Gray (Gley 1 5/N) medium fat CLAY with fine to medium subangular Sand, trace pyrite *(continued)*
674					CH		Gray (Gley 1 5/N) fine to coarse subangular sandy stiff fat CLAY, trace Pyrite, trace lignite
676							
678							
680		< 0.50	< 0.50		CH		Gray (Gley 1 5/N) fine to coarse subangular Sandy stiff fat CLAY, trace lignite
682							
684					CH		Gray (Gley 1 5/N) loose fat CLAY with fine to medium subangular Sand, trace pyrite, trace lignite
686							
688							
690					SC		Gray (Gley 1 5/N) loose fat Clayey fine to medium subangular SAND, trace pyrite, trace lignite
692							
694					SC		Gray (Gley 1 5/N) loose fat Clayey fine to coarse subangular SAND, trace pyrite, trace lignite
696							
698							
700					SW-SC		Gray (Gley 1 5/N) well graded fine to coarse subangular SAND with medium fat Clay, trace pyrite, trace lignite
702							
704					SW-SC		Gray (Gley 1 5/N) well graded fine to coarse subangular SAND with medium fat Clay, trace pyrite, trace lignite
706							
708							
710		< 0.50	< 0.50		GW		Gray (Gley 1 5/N) well graded fine to coarse subangular GRAVEL, trace Pyrite
712							
714					GW		Gray (Gley 1 5/N) well graded fine to coarse subangular GRAVEL, trace Pyrite
716							
718							
720		< 0.50	< 0.50		SW-SC		Gray (Gley 1 5/N) well graded fine to coarse subrounded to subangular SAND with loose fat Clay
722							
724					SW		Gray (Gley 1 5/N) well graded fine to coarse subrounded to subangular SAND
726							
728							
730					SW		Gray (2.5 Y 5/1) well graded fine to coarse subrounded to subangular SAND, little fine subangular Gravel
732							

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB151

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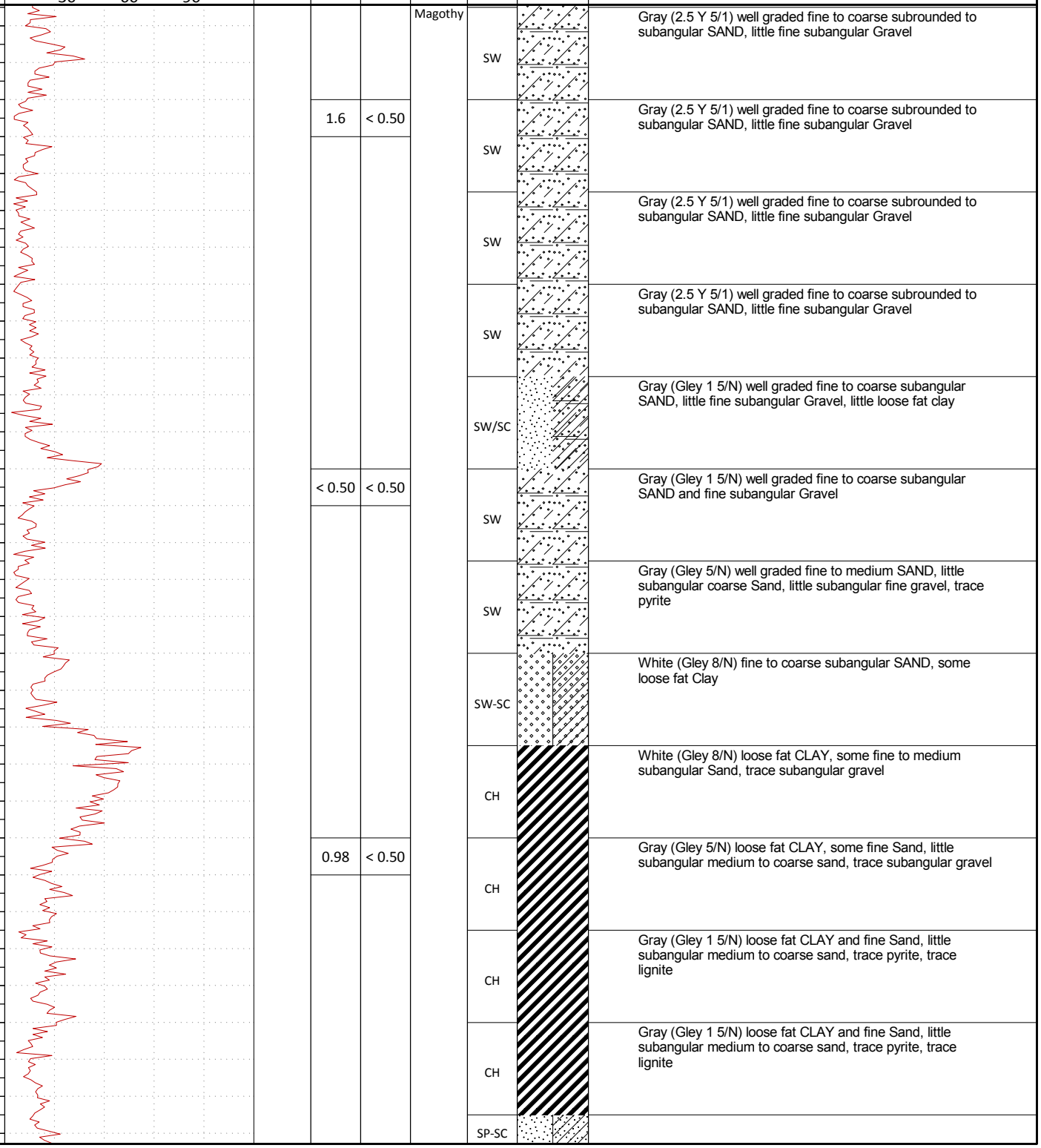

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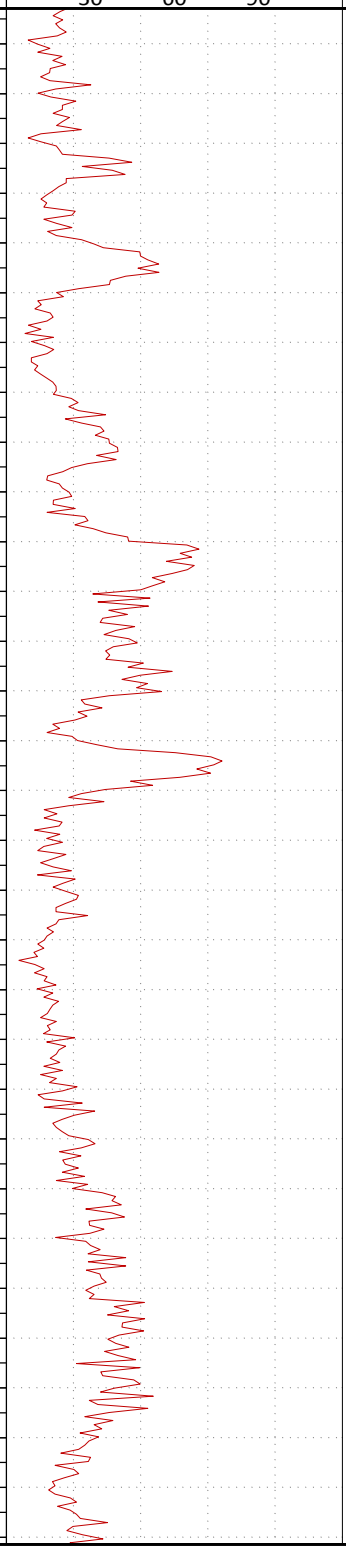
Resolution Consultants

Boring Log

BORING #: VPB151



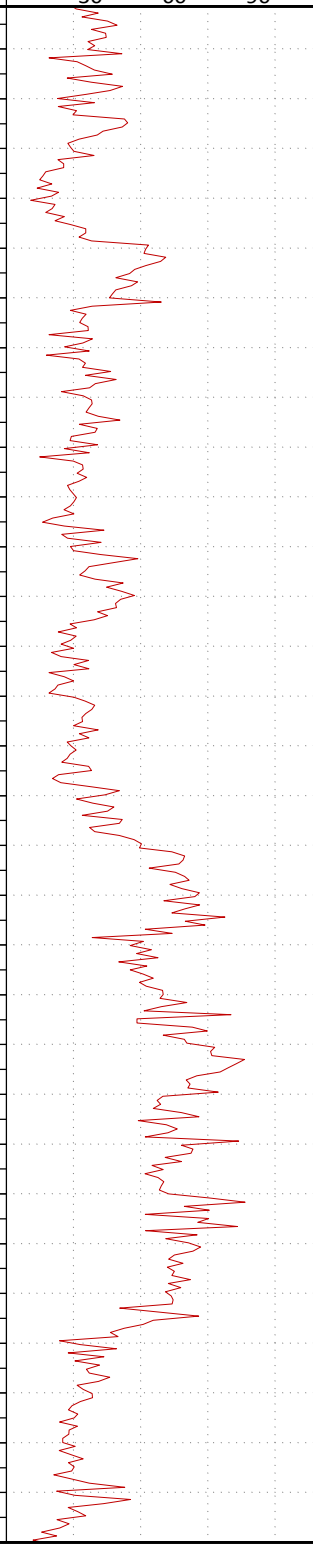
DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
796				Magothy	SP-SC		Gray (Gley 1 5/N) fine SAND, some loose fat Clay, little medium to coarse subangular sand, trace pyrite, trace lignite *(continued)*
798							
800		0.77	< 0.50		SP-SC		Gray (Gley 1 5/N) fine to medium SAND, little loose fat Clay, trace pyrite, trace lignite
802							
804					SP-SC		Gray (Gley 1 5/N) fine to medium SAND, little loose fat Clay, trace pyrite, trace lignite
806							
808					SP-SC		Gray (Gley 1 5/N) fine to medium SAND, little loose fat Clay, trace pyrite, trace lignite
810							
812					CH		Gray (Gley 5/N) loose fat CLAY, some fine to coarse subangular Sand, trace pyrite, trace lignite
814							
816					CH		Gray (Gley 5/N) loose fat CLAY, some fine to coarse subangular Sand, trace pyrite, trace lignite
818							
820		< 0.50	< 0.50		CH		Gray (Gley 5/N) loose fat CLAY, some fine to coarse subangular Sand, trace pyrite, trace lignite
822							
824					CH		Gray (Gley 5/N) loose fat CLAY, some fine to coarse subangular Sand, trace pyrite, trace lignite
826							
828					CH		Gray (Gley 5/N) loose fat CLAY, some fine to coarse subangular Sand, trace pyrite, trace lignite
830							
832					CH		Gray (Gley 5/N) loose fat CLAY, some fine to coarse subangular Sand, trace pyrite, trace lignite
834							
836					CH		Gray (Gley 5/N) loose fat CLAY, some fine to coarse subangular Sand, trace pyrite, trace lignite
838							
840		< 0.50	< 0.50		SP-SC		Gray (Gley 1 5/N) fine SAND, loose fat Clay, trace lignite, trace pyrite
842							
844					SP-SC		Gray (Gley 1 5/N) fine SAND, loose fat Clay, trace lignite, trace pyrite
846							
848					SP-SC		Gray (Gley 1 5/N) fine SAND, loose fat Clay, trace lignite, trace pyrite
850							
852					SP-SC		Gray (Gley 1 5/N) fine SAND, loose fat Clay, trace fine subangular gravel, trace pyrite, trace lignite
854							
856							

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB151



DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
858				Magothy	SP-SC		
860		< 0.50	< 0.50		SP-SC		Gray (Gley 1 5/N) fine SAND, loose fat Clay, trace fine subangular gravel, trace pyrite, trace lignite
862							
864					SP-SC		Gray (Gley 1 5/N) fine SAND, loose fat Clay, trace fine subangular gravel, trace pyrite, trace lignite
866							
868					SP-SC		Gray (Gley 1 5/N) fine SAND, loose fat Clay, trace pyrite, trace lignite
870							
872					SP-SC		Gray (Gley 1 5/N) fine SAND, loose fat Clay, trace pyrite, trace lignite
874							
876					SP-SC		Gray (Gley 1 6/N) loose fat Clayey fine SAND, trace lignite
878							
880		< 0.50	< 0.50		SC		Gray (Gley 1 6/N) loose fat Clayey fine SAND, trace lignite
882							
884					SC		Gray (Gley 1 6/N) loose fat Clayey fine SAND, trace lignite
886							
888					SC		Gray (Gley 1 5/N) medium fat CLAY with fine Sand, trace lignite
890							
892					CH		Gray (Gley 1 5/N) medium fat CLAY with fine Sand, trace lignite
894							
896					CH		Gray (Gley 1 5/N) medium fat CLAY with fine Sand, trace lignite
898							
900					CH		Gray (Gley 1 6/N) fine to medium Sandy loose fat CLAY, trace lignite
902							
904					CH		Gray (Gley 1 6/N) loose fat Clayey fine to medium subrounded SAND, trace lignite
906							
908					SC		
910							
912							
914							
916							
918							

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB151

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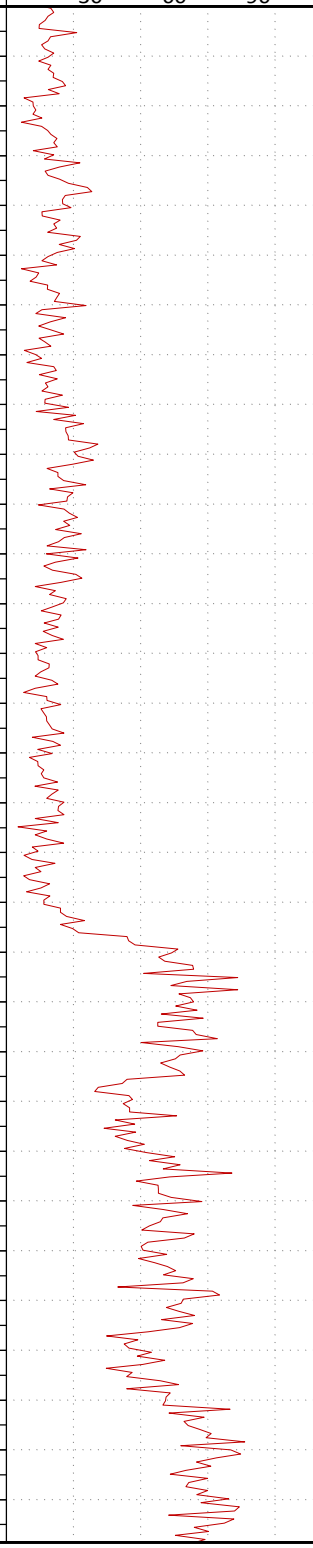

DEPTH (ft)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
918				Magothy	SC		Gray (Gley 1 6/N) loose fat Clayey fine to coarse subrounded SAND, trace lignite
924		< 5.0	< 5.0		SC		Gray (Gley 1 6/N) loose fat Clayey fine to coarse subrounded SAND, trace lignite
930					SW-SC		Gray (Gley 1 6/N) well graded fine to coarse subrounded SAND with loose fat Clay, trace lignite
934					SW-SC		Gray (Gley 1 6/N) well graded fine to coarse subrounded SAND with loose fat Clay, trace lignite
940		< 5.0	< 5.0		SW-SC		Gray (Gley 1 6/N) well graded fine to coarse subrounded SAND with loose fat Clay, trace lignite
944					SW-SM		Gray (Gley 1 6/N) well graded fine to coarse subrounded SAND with Silt
950					SP-SM		Gray (Gley 1 6/N) poorly graded fine to coarse subangular SAND with Silt, trace lignite, trace clay
954					SP-SM		Gray (Gley 1 6/N) poorly graded fine to coarse subangular SAND with Silt, trace lignite, trace clay
960		< 20	< 20		SM		Gray (Gley 1 6/N) Silty fine to coarse subangular SAND, trace lignite, trace clay
964					SM		Gray (Gley 1 6/N) Silty fine to coarse subangular SAND, trace lignite, trace clay
970					SM		Gray (Gley 1 6/N) Silty fine to coarse subangular SAND, trace lignite, trace clay
974					SC		Gray (Gley 1 6/N) medium fat Clayey fine to coarse subangular SAND, trace lignite
978	0			Raritan	CH		Gray (Gley 1 6/N) stiff fat CLAY, trace Lignite

(Continued Next Page)

Resolution Consultants

Boring Log

BORING #: VPB151

DEPTH (ft)	Gamma Ray (30 60 90)	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
980					Raritan			
982						CH		Gray (Gley 1 6/N) stiff fat CLAY, trace Lignite
984		0				CH		Light reddish brown (2.5 YR 6/4) and white (5 Y 8/1) mottled stiff fat CLAY
986						CH		Light reddish brown (2.5 YR 6/4) and white (5 Y 8/1) mottled stiff fat CLAY
988								
990		0				CH		Red (10 R 4/6) and light gray (Gley 1 7/N) mottled stiff fat CLAY, trace Lignite

End of boring at 990.0 ft. bgs.

Vertical Profile Boring 151

Analytical Data Table

Vertical Profile Boring 151 Analytical Data Table
Naval Weapons Industrial Reserve Plant
Bethpage - Bethpage, New York

Resolution Consultants

Location		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	7/21/2014	7/21/2014	7/23/2014	7/23/2014
Sample ID		VPB151-GW-072114-63-65	VPB151-GW-072114-98-100	VPB151-GW-072314-158-160	VPB151-GW-072314-198-200
Sample Interval		63 - 65 ft	98 - 100 ft	158 - 160 ft	198 - 200 ft
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,1-DICHLOROETHANE	5	< 0.50 U	**4.2**	< 0.50 U	< 0.50 UJ
1,1-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 UJ
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 UJ
ACETONE	50	**3.8 J**	**5.5 J**	**7.7 J**	< 2.5 UJ
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
CHLOROETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
CHLOROFORM	7	**2.3**	< 0.50 U	< 0.50 U	< 0.50 UJ
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
CIS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 UJ***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 UJ
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 U	**0.58 J**	< 0.50 U	< 0.50 UJ
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 UJ
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 UJ***
TRICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 UJ

Location		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	7/24/2014	7/25/2014	7/25/2014	7/30/2014
Sample ID		VPB151-GW-072414-218-220	VPB151-GW-072514-238-240	VPB151-GW-072514-258-260	VPB151-GW-073014-278-280
Sample Interval		218 - 220 ft	238 - 240 ft	258 - 260 ft	278 - 280 ft
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	**2.9 J**	< 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 UJ***	***< 0.75 UJ***	***< 0.75 UJ***
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 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	**13 J**	**13 J**	**7.2 J**	**16 J**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 U	< 1.0 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 U	< 1.0 U	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	**0.55 J**	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 UJ	< 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		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	7/30/2014	7/30/2014	7/31/2014	7/31/2014
Sample ID		VPB151-GWD-073014	VPB151-GW-073014-303-305	VPB151-GW-073114-318-320	VPB151-GW-073114-338-340
Sample Interval		278 - 280 ft	303 - 305 ft	318 - 320 ft	338 - 340 ft
Sample type code		FD	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 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 UJ***	***< 0.75 UJ***	***< 0.75 UJ***	***< 0.75 UJ***
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 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	**17 J**	**10 J**	**7.2 J**	**7.2 J**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
CHLOROETHANE	5	< 1.0 U	< 1.0 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 U	< 1.0 U	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 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		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	8/1/2014	8/1/2014	8/1/2014	8/4/2014
Sample ID		VPB151-GW-080114-368-370	VPB151-GW-080114-378-380	VPB151-GW-080114-398-400	VPB151-GW-080414-418-420
Sample Interval		368 - 370 ft	378 - 380 ft	398 - 380 ft	418 - 420 ft
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 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 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 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
ACETONE	50	**17 J**	< 2.5 UJ	**4.1 J**	**4.3 J**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	**0.38 J**	**0.26 J**	< 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 U	< 1.0 U	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 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		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	8/4/2014	8/5/2014	8/5/2014	8/5/2014
Sample ID		VPB151-GW-080414-438-440	VPB151-GW-080514-463-465	VPB151-GW-080514-478-480	VPB151-GW-080514-498-500
Sample Interval		438 - 440 ft	463 - 465 ft	478 - 480 ft	498 - 500 ft
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 UJ***	***< 0.75 UJ***	***< 0.75 UJ***
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 U	< 0.50 U	< 0.50 U	< 0.50 U
2-BUTANONE	50	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
2-HEXANONE	50	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
ACETONE	50	**3.7 J**	< 2.5 UJ	**5.1 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	< 1.0 UJ	< 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 U	< 1.0 U	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 UJ	< 0.75 UJ	< 0.75 UJ
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 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		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	8/11/2014	8/11/2014	8/12/2014	8/12/2014
Sample ID		VPB151-GW-081114-538-540	VPB151-GW-081114-558-560	VPB151-GW-081214-583-585	VPB151-GW-081214-598-600
Sample Interval		538 - 540 ft	558 - 560 ft	583 - 585 ft	598 - 600 ft
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,1-DICHLOROETHENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 UJ***	***< 0.75 UJ***	***< 0.75 U***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
2-BUTANONE	50	< 2.5 U	**1.4 J**	**1.4 J**	< 2.5 U
2-HEXANONE	50	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.5 U
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.5 U
ACETONE	50	**8.2 J**	**11 J**	**14 J**	**4.0 J**
BENZENE	1	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
CARBON DISULFIDE	60	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
CHLOROBENZENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
CHLOROETHANE	5	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
CHLOROFORM	7	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CIS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 U***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 UJ	< 0.75 UJ	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TOLUENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 U***
TRICHLOROETHENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 U
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
VINYL CHLORIDE	2	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
XYLENES, TOTAL	5	< 1.5 U	< 1.5 UJ	< 1.5 UJ	< 1.5 U

Location		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	8/14/2014	8/14/2014	8/15/2014	8/15/2014
Sample ID		VPB151-GW-081414-618-620	VPB151-GW-081414-638-640	VPB151-GW-081514-658-660	VPB151-GW-D-081514
Sample Interval		618 - 620 ft	638 - 640 ft	658 - 660 ft	658 - 660 ft
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 UJ	< 0.50 UJ
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 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 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	**3.2 J**	**2.6 J**	**5.4 J**	**7.0 J**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
CARBON DISULFIDE	60	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 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 UJ	< 1.0 UJ	< 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 U	< 1.0 U	< 1.0 U	< 1.0 U
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
TETRACHLOROETHENE	5	< 0.50 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		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	8/15/2014	8/19/2014	8/19/2014	8/19/2014
Sample ID		VPB151-GW-081514-678-680	VPB151-GW-081914-708-710	VPB151-GW-081914-718-720	VPB151-GW-081914-738-740
Sample Interval		678 - 680 ft	708 - 710 ft	718 - 720 ft	738 - 740 ft
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,1-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 0.75 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	**3.5 J**
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 UJ
ACETONE	50	< 2.5 U	**7.7 J**	**7.6 J**	**31 J**
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
CARBON DISULFIDE	60	< 0.50 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
CHLOROETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
CHLOROFORM	7	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
CIS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 UJ***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 UJ	< 0.50 U	< 0.50 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 UJ
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 UJ	< 0.50 U	< 0.50 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 UJ
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 0.50 UJ***
TRICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	**1.6 J**
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 UJ

Location		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	8/20/2014	8/20/2014	8/21/2014	8/21/2014
Sample ID		VPB151-GW-082014-758-760	VPB151-GW-082014-778-780	VPB151-GW-082114-798-800	VPB151-GW-082114-818-820
Sample Interval		758 - 760 ft	778 - 780 ft	798 - 800 ft	818 - 820 ft
Sample type code		N	N	N	N
VOC 8260C (ug/L)					
1,1,1-TRICHLOROETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,1-DICHLOROETHENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 UJ***	***< 0.75 UJ***	***< 0.75 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
2-BUTANONE	50	< 2.5 U	**2.1 J**	**1.6 J**	< 2.5 UJ
2-HEXANONE	50	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
ACETONE	50	**5.3 J**	**14 J**	**15 J**	**4.5 J**
BENZENE	1	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
BROMOFORM	50	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
BROMOMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CARBON DISULFIDE	60	< 1.0 UJ	< 1.6 UJ	< 1.0 UJ	< 1.0 UJ
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
CHLOROBENZENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
CHLOROETHANE	5	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CHLOROFORM	7	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
CHLOROMETHANE	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
CIS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 UJ***
CYCLOHEXANE	NL	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
ETHYLBENZENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
METHYL ACETATE	NL	< 0.75 U	< 0.75 UJ	< 0.75 UJ	< 0.75 UJ
METHYL CYCLOHEXANE	NL	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
O-XYLENE	NL	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
STYRENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
TOLUENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 UJ***	***< 0.50 UJ***	***< 0.50 UJ***
TRICHLOROETHENE	5	< 0.50 U	**0.98 J**	**0.77 J**	< 0.50 UJ
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
VINYL CHLORIDE	2	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
XYLENES, TOTAL	5	< 1.5 U	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ

Location		VPB151	VPB151	VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	8/22/2014	8/22/2014	8/25/2014	8/26/2014
Sample ID		VPB151-GW-082214-838-840	VPB151-GW-082214-858-860	VPB151-GW-082514-878-880	VPB151-GW-082614-923-925
Sample Interval		838 - 840 ft	858 - 860 ft	878 - 880 ft	923 - 925 ft
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	< 5.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 5.0 UJ
1,1,2-TRICHLOROETHANE	1	< 0.50 U	< 0.50 U	< 0.50 U	***< 5.0 UJ***
1,1-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
1,1-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
1,2,4-TRICHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 0.75 U***	***< 0.75 U***	***< 0.75 U***	***< 7.5 UJ***
1,2-DIBROMOETHANE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
1,2-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	***< 5.0 UJ***
1,2-DICHLOROETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	< 1.0 U	< 1.0 U	< 1.0 U	***< 10 UJ***
1,2-DICHLOROPROPANE	1	< 0.50 U	< 0.50 U	< 0.50 U	***< 5.0 UJ***
1,3-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	***< 5.0 UJ***
1,4-DICHLOROBENZENE	3	< 0.50 U	< 0.50 U	< 0.50 U	***< 5.0 UJ***
2-BUTANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 25 UJ
2-HEXANONE	50	< 2.5 U	< 2.5 U	< 2.5 U	< 25 UJ
4-METHYL-2-PENTANONE	NL	< 2.5 U	< 2.5 U	< 2.5 U	< 25 UJ
ACETONE	50	**6.0 J**	**8.4 J**	**7.9 J**	< 25 UJ
BENZENE	1	< 0.50 U	< 0.50 U	< 0.50 U	***< 5.0 UJ***
BROMODICHLOROMETHANE	50	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
BROMOFORM	50	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
BROMOMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	***< 10 UJ***
CARBON DISULFIDE	60	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 10 UJ
CARBON TETRACHLORIDE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
CHLOROBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
CHLOROETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	***< 10 UJ***
CHLOROFORM	7	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
CHLOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	***< 10 UJ***
CIS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 5.0 UJ***
CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 5.0 UJ
DIBROMOCHLOROMETHANE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
DICHLORODIFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	***< 10 UJ***
ETHYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
ISOPROPYLBENZENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
M- AND P-XYLENE	NL	< 1.0 U	< 1.0 U	< 1.0 U	< 10 UJ
METHYL ACETATE	NL	< 0.75 U	< 0.75 U	< 0.75 U	< 7.5 UJ
METHYL CYCLOHEXANE	NL	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 5.0 UJ
METHYL TERT-BUTYL ETHER	10	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
METHYLENE CHLORIDE	5	< 2.5 U	< 2.5 U	< 2.5 U	***< 25 UJ***
O-XYLENE	NL	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
STYRENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
TETRACHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
TOLUENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
TRANS-1,2-DICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	***< 0.50 U***	***< 0.50 U***	***< 0.50 U***	***< 5.0 UJ***
TRICHLOROETHENE	5	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 UJ
TRICHLOROFLUOROMETHANE	5	< 1.0 U	< 1.0 U	< 1.0 U	***< 10 UJ***
VINYL CHLORIDE	2	< 1.0 U	< 1.0 U	< 1.0 U	***< 10 UJ***
XYLENES, TOTAL	5	< 1.5 U	< 1.5 U	< 1.5 U	***< 15 UJ***

Location		VPB151	VPB151
Sample Date	NYSDEC Groundwater Guidance or Standard Value (Note 1)	8/27/2014	8/27/2014
Sample ID		VPB151-GW-082714-938-940	VPB151-GW-082714-958-960
Sample Interval		938 - 940 ft	958 - 960 ft
Sample type code		N	N
VOC 8260C (ug/L)			
1,1,1-TRICHLOROETHANE	5	< 5.0 UJ	***< 20 UJ***
1,1,2,2-TETRACHLOROETHANE	5	< 5.0 UJ	***< 20 UJ***
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 5.0 UJ	***< 20 UJ***
1,1,2-TRICHLOROETHANE	1	***< 5.0 UJ***	***< 20 UJ***
1,1-DICHLOROETHANE	5	< 5.0 UJ	***< 20 UJ***
1,1-DICHLOROETHENE	5	< 5.0 UJ	***< 20 UJ***
1,2,4-TRICHLOROBENZENE	5	< 5.0 UJ	***< 20 UJ***
1,2-DIBROMO-3-CHLOROPROPANE	0.04	***< 7.5 UJ***	***< 30 UJ***
1,2-DIBROMOETHANE	NL	< 5.0 UJ	< 20 UJ
1,2-DICHLOROBENZENE	3	***< 5.0 UJ***	***< 20 UJ***
1,2-DICHLOROETHANE	5	< 5.0 UJ	***< 20 UJ***
1,2-DICHLOROETHENE, TOTAL	5	***< 10 UJ***	***< 40 UJ***
1,2-DICHLOROPROPANE	1	***< 5.0 UJ***	***< 20 UJ***
1,3-DICHLOROBENZENE	3	***< 5.0 UJ***	***< 20 UJ***
1,4-DICHLOROBENZENE	3	***< 5.0 UJ***	***< 20 UJ***
2-BUTANONE	50	< 25 UJ	***< 100 UJ***
2-HEXANONE	50	< 25 UJ	***< 100 UJ***
4-METHYL-2-PENTANONE	NL	< 25 UJ	***< 100 UJ***
ACETONE	50	< 25 UJ	***< 100 UJ***
BENZENE	1	***< 5.0 UJ***	***< 20 UJ***
BROMODICHLOROMETHANE	50	< 5.0 UJ	< 20 UJ
BROMOFORM	50	< 5.0 UJ	< 20 UJ
BROMOMETHANE	5	***< 10 UJ***	***< 40 UJ***
CARBON DISULFIDE	60	< 10 UJ	< 20 UJ
CARBON TETRACHLORIDE	5	< 5.0 UJ	***< 20 UJ***
CHLOROBENZENE	5	< 5.0 UJ	***< 20 UJ***
CHLOROETHANE	5	***< 10 UJ***	***< 40 UJ***
CHLOROFORM	7	< 5.0 UJ	***< 20 UJ***
CHLOROMETHANE	5	***< 10 UJ***	***< 40 UJ***
CIS-1,2-DICHLOROETHENE	5	< 5.0 UJ	***< 20 UJ***
CIS-1,3-DICHLOROPROPENE	0.4	***< 5.0 UJ***	***< 20 UJ***
CYCLOHEXANE	NL	< 5.0 UJ	< 20 UJ
DIBROMOCHLOROMETHANE	5	< 5.0 UJ	***< 20 UJ***
DICHLORODIFLUOROMETHANE	5	***< 10 UJ***	***< 40 UJ***
ETHYLBENZENE	5	< 5.0 UJ	***< 20 UJ***
ISOPROPYLBENZENE	5	< 5.0 UJ	***< 20 UJ***
M- AND P-XYLENE	NL	< 10 UJ	< 40 UJ
METHYL ACETATE	NL	< 7.5 UJ	< 30 UJ
METHYL CYCLOHEXANE	NL	< 5.0 UJ	< 20 UJ
METHYL TERT-BUTYL ETHER	10	< 5.0 UJ	***< 20 UJ***
METHYLENE CHLORIDE	5	***< 25 UJ***	***< 100 UJ***
O-XYLENE	NL	< 5.0 UJ	< 20 UJ
STYRENE	5	< 5.0 UJ	***< 20 UJ***
TETRACHLOROETHENE	5	< 5.0 UJ	***< 20 UJ***
TOLUENE	5	< 5.0 UJ	***< 20 UJ***
TRANS-1,2-DICHLOROETHENE	5	< 5.0 UJ	***< 20 UJ***
TRANS-1,3-DICHLOROPROPENE	0.4	***< 5.0 UJ***	***< 20 UJ***
TRICHLOROETHENE	5	< 5.0 UJ	***< 20 UJ***
TRICHLOROFLUOROMETHANE	5	***< 10 UJ***	***< 40 UJ***
VINYL CHLORIDE	2	***< 10 UJ***	***< 40 UJ***
XYLENES, TOTAL	5	***< 15 UJ***	***< 60 UJ***

Notes:

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

Bold = Detected; ***Bold and Italics*** =Detection limit 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.