

Table 1. Volatile Organic Compounds in Off-Site Vertical Profile Boring Groundwater Samples, Bethpage, New York.

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CONSTITUENT (units in ug/L)	NYSDEC SCGs	Sample ID: Depth bts: Date:	VP-116 3/4/08	VP-116 3/4/08	VP-116 3/5/08	VP-116 3/6/08	VP-116 3/6/08	VP-116 3/7/08	VP-116 3/10/08	VP-116 3/11/08	VP-116 3/11/08	VP-116 3/12/08	VP-116 3/13/08
1,1,1-Trichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<50	<50	<50	<50	<50
1,1,2-Trichloroethane	1	5	5	5	5	5	5	5	<5	<5	<5	<5	<5
1,1-Dichlorofthane	5	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
1,1-Dichloroethene	5	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
1,2-Dichloroethane	0.6	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
Carbon disulfide	50	5	5	5	5	5	5	5	<250	<10	<5	<5	<5
Carbon tetrachloride	5	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
Chlorodifluoromethane	NE	5	5	5	5	5	5	5	5.4	<25	<5	<5	<5
Chloroethane	5	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
Chloroform	5	7	7	7	7	7	7	7	<7	<25	<10	<7	<7
cis-1,2-Dichloroethylene	5	5	5	5	5	5	5	5	43	200	32	23	22
cis-1,3-Dichloropropene	0.4	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
Dichlorodifluoromethane	5	5	5	5	5	5	5	5	11	<25	<10	<5	<5
trans-1,2-Dichloroethene	5	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
trans-1,3-Dichloropropene	NE	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
Tetrachloroethene	5	5	5	5	5	5	5	5	<5	<25	<10	<5	<5
Trichloroethene	5	5	5	5	5	5	5	5	38	140	110	16	30
Trichlorotrifluoroethane	5	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
Vinyl Chloride	2	2	2	2	2	2	2	2	14	51	29	7.3	5
Ethylbenzene	5	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
1,2-Dichloropropane	1	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
Xylenes	5	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
Toluene	5	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
2-Butanone (MEK)	50	50	50	50	50	50	50	50	>250	<100	<50	<50	<50
Acetone	50	50	50	50	50	50	50	50	<250	<100	<50	<50	<50
Bromomethane	5	<50	<50	<50	<50	<50	<50	<50	<25	<50	<50	<50	<50
Methylene Chloride	50	5	5	5	5	5	5	5	<25	<10	<5	<5	<5
Chloromethane	5	<5	<5	<5	<5	<5	<5	<5	<25	<10	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	NE	<50	<50	<50	<50	<50	<50	<50	<250	<100	<50	<50	<50
Benzene	1	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<3.5	<1.4	<0.7	<0.7	<0.7
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5	<5	<5	<5	<25	<10	<5	<5	<5
2-Hexadone	NE	<50	<50	<50	<50	<50	<50	<50	<250	<100	<50	<50	<50
Bromodichloromethane	NE	<5	<5	<5	<5	<5	<5	<5	<25	<10	<5	<5	<5
Bromoform	NE	<5	<5	<5	<5	<5	<5	<5	<25	<10	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	<25	<10	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5	<5	<5	<5	<25	<10	<5	<5	<5
Syrene	5	<5	<5	<5	<5	<5	<5	<5	<25	<10	<5	<5	<5
Vinyl Acetate	NE	<5	<5	<5	<5	<5	<5	<5	<25	<10	<5	<5	<5
Total VOCs	-	0	0	0	16	19	36	27	192	1,011	909	81	193

See footnotes on last page.

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Table 1. Volatile Organic Compounds in Off-Site Vertical Profile Boring Groundwater Samples, Bethpage, New York.

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CONSTITUENT (units in ug/L)	NYSDDEC SCGs	Sample ID: Depth ft: Date:	VP-116 414 3/13/08	VP-116 454 3/14/08	VP-116 474 3/14/08	VP-116 544 3/17/08	VP-116 554 3/18/08	VP-116 574 3/18/08	VP-116 594 3/19/08	VP-116 614 3/19/08	VP-116 634 3/20/08	VP-116 659 3/21/08	VP-116 674 3/20/08	VP-116 699 3/20/08
1,1,1-Trichloroethane	5	<50	<50	<50	<50	<50	<50	<250	<130	<100	<500	<50	<130	<50
1,1,2-Trichloroethane	1	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
1,1-Dichloroethane	5	5	5.8	5.6	5.6	5	5	<25	<13	<10	<50	<5	<13	<5
1,1-Dichloroethene	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
1,2-Dichloroethane	0.6	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	6.9	<13	<5
Carbon disulfide	50	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Carbon tetrachloride	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Chlorodifluoromethane	NE	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Chloroethane	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Chloroform	5	<7	<7	<7	<7	<7	<7	<25	<13	22	<50	20	<13	<5
cis-1,2-Dichloroethylene	5	<5	<5	<5	5.6	5	61	33	51	140	120	31	<10	<5
cis-1,3-Dichloropropene	0.4	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Dichlorofluoromethane	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
trans-1,2-Dichloroethylene	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
trans-1,3-Dichloropropene	NE	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Tetrachloroethylene	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Trichloroethylene	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Trichlorotrifluoroethylene	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Vinyl Chloride	2	<5	<5	<5	<5	<5	<5	<10	<5	<4	<20	<2	<5	<2
Ethylbenzene	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
1,2-Dichloropropane	1	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Xylenes	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Toluene	5	<50	<50	<50	<50	<50	<50	<250	<130	<100	<500	<50	<130	<5
2-Butanone (MEK)	50	<50	<50	<50	<50	<50	<50	<250	<130	<100	<500	<50	<130	<50
Acetone	50	<50	<50	<50	<50	<50	<50	<250	<130	<100	<500	<50	<130	<50
Bromomethane	5	<50	<50	<50	<50	<50	<50	<250	<130	<100	<500	<50	<130	<50
Methylene Chloride	50	<50	<50	<50	<50	<50	<50	<25	<13	<10	<50	<5	<13	<5
Chloromethane	NE	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
4-Methyl-2-pentanone (MIBK)	NE	<50	<50	<50	<50	<50	<50	<250	<130	<100	<500	<50	<130	<50
Benzene	1	<0.7	<0.7	<0.7	<0.7	<0.7	<3.5	<1.8	<1.4	<7	<2	<1.8	<2	<2
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
2-Hexanone	NE	<50	<50	<50	<50	<50	<50	<25	<13	<10	<50	<5	<13	<5
Bromodichloromethane	NE	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Bromoform	NE	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Chlorobenzene	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Dibromochloromethane	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Styrene	5	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Vinyl Acetate	NE	<5	<5	<5	<5	<5	<5	<25	<13	<10	<50	<5	<13	<5
Total VOCs	-	0	6	6	11	18	531	363	323	2,040	1,057	491	28	9

See footnotes on last page.

Table 1. Volatile Organic Compounds in Off-Site Vertical Profile Boring Groundwater Samples, Bethpage, New York.

Notes and Abbreviations:

1. Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006).
2. Groundwater samples analyzed for the TCL VOCs using NYSDEC ASP Method 2000 QLM4.2.

 Indicates an exceedance of an SCG

	Bold value indicates a detection
NYSDEC	New York State Department of Environmental Conservation
TCL	Target compound list
VOC	Volatile Organic Compound
ASP	Analytical services protocol
VP	Vertical Profile Boring
SCGs	Standard, criteria, and guidance values
ft bbl	feet below land surface
ug/L	Micrograms per liter
TVOC	Total volatile organic compounds