Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-1 326-327 8/10/2015 RW-21_VP-1(326-327)	RW-21_VP-1 342-343 8/10/2015 RW-21_VP-1(342-343)	RW-21_VP-1 380-381 8/12/2015 RW-21_VP-1 (380-381)	RW-21_VP-1 405-406 8/12/2015 RW-21_VP-1 (405-406)	RW-21_VP-1 420-421 8/13/2015 RW-21_VP-1 (420-421)	RW-21_VP-1 440-441 8/13/2015 RW-21_VP-1 (440-441)	RW-21_VP-1 440-441 8/13/2015 REP081315AM1
1,1,1-Trichloroethane		**1.0**	**0.61 J**	**0.77 J**	< 1.0	< 1.0	**0.28 J**	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**0.58 J**	**0.38 J**	**0.36 J**	< 1.0	**1.2**	**0.40 J**	**0.34 J**
1,1-Dichloroethene		**0.78 J**	< 1.0	< 1.0	< 1.0	< 1.0	**0.97 J**	**0.70 J**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**4.2 J**	< 10	**3.3 J**	**4.5 J**	**7.7 J**	**8.8 J**	**8.5 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	**4.2**	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	**0.30 J**	**0.46 J**	**0.33 J**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**0.47 J**	< 1.0	**0.41 J**	< 1.0	**0.47 J**	**4.4**	**3.3**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.59 J**	**0.45 J**
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**15.9**	**11.4**	**3.1**	< 1.0	**2.2**	**6.2**	**4.8**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**23**	**12**	**7.9**	**8.7**	**12**	**22**	**18**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-1 460-461 8/13/2015 RW-21_VP-1 (460-461)	RW-21_VP-1 480-481 8/13/2015 RW-21_VP-1 (480-481)	RW-21_VP-1 500-501 8/17/2015 RW-21_VP-1(500-501)	RW-21_VP-1 520-521 8/17/2015 RW-21_VP-1(520-521)	RW-21_VP-1 590-591 8/19/2015 RW-21_VP-1(590-591)	RW-21_VP-1 600-601 8/19/2015 RW-21_VP-1(600-601)	RW-21_VP-1 620-621 8/19/2015 RW-21_VP-1(620-621)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.27 J**	**1.1**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.33 J**	**0.69 J**
1,1-Dichloroethane		< 1.0	< 1.0	**0.35 J**	< 1.0	< 1.0	**0.76 J**	**2.8**
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.79 J**	**2.7**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.5**	**3.2**
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.71 J**
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**12.0**	**11.8**	**10.6**	**11.8**	**13.9**	**6.0 J**	**5.4 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	**0.36 J**	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	**0.20 J**	< 1.0	< 1.0	**1.1**	**3.0**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	**0.28 J**	< 1.0	**0.88 J**	**38.4**	**91.6**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.65 J**	**2.7**
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.94 J**
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**0.51 J**	**0.51 J**	**0.86 J**	**0.37 J**	**3.4**	**227**	**744**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**13**	**12**	**12**	**12**	**19**	**280**	**860**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-1 640-641 8/19/2015 RW-21_VP-1(640-641)	RW-21_VP-1 660-661 8/19/2015 RW-21_VP-1(660-661)	RW-21_VP-1 682-683 8/20/2015 RW-21_VP-1(682-683)	RW-21_VP-1 700-701 8/20/2015 RW-21_VP-1(700-701)	RW-21_VP-1 720-721 8/24/2015 RW-21_VP-1(720-721)	RW-21_VP-1 740-741 8/24/2015 RW-21_VP-1(740-741)	RW-21_VP-1 760-761 8/24/2015 RW-21_VP-1(760-761)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**9.4 J**	**8.6 J**	**14.4**	**8.6 J**	**15.1**	< 10	**10.8**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	**1.2 J**	**15.3**	**0.38 J**
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**1.8**	**0.59 J**	**0.70 J**	**0.54 J**	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**16.6**	**6.3**	**5.3**	**3.9**	**2.8**	**0.57 J**	**0.76 J**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**28**	**15**	**20**	**13**	**19**	**16**	**12**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-2 302-303 8/6/2015 RW-21_VP-1(302-303)	RW-21_VP-2 303-304 8/18/2015 RW-21_VP-2(303-304)	RW-21_VP-2 322-323 8/18/2015 RW-21_VP-2(322-323)	RW-21_VP-2 341-342 8/18/2015 RW-21_VP-2(341-342)	RW-21_VP-2 363-364 8/19/2015 RW-21_VP-2(363-364)	RW-21_VP-2 382-383 8/19/2015 RW-21_VP-2(382-383)	RW-21_VP-2 402-403 8/19/2015 RW-21_VP-2(402-403)
1,1,1-Trichloroethane		**0.57 J**	**0.39 J**	**0.63 J**	**0.50 J**	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**0.46 J**	**0.47 J**	**0.93 J**	**1.3**	< 1.0	< 1.0	**0.28 J**
1,1-Dichloroethene		**0.59 J**	< 1.0	**0.75 J**	**0.60 J**	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	**6.3 J**	< 10	**7.5 J**	**7.4 J**	< 10	< 10
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	**0.37 J**	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	**0.96 J**	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	**0.31 J**	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	**0.30 J**	**0.52 J**	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	**0.58 J**	**2.1**	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	**0.17 J**	< 1.0	**0.34 J**	**0.92 J**	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	**0.44 J**	**0.51 J**	< 1.0	< 1.0	**0.91 J**	**0.94 J**
Toluene		< 1.0	**0.33 J**	**0.21 J**	**0.19 J**	**2.8**	**0.26 J**	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**24.1**	**6.6**	**11.6**	**5.5**	**0.31 J**	**2.5**	**3.2**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**26**	**15**	**15**	**17**	**15**	**3.7**	**4.4**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-2 422-423 8/19/2015 RW-21_VP-2(422-423)	RW-21_VP-2 442-443 8/19/2015 RW-21_VP-2(442-443)	RW-21_VP-2 462-463 8/20/2015 RW-21_VP-2 (462-463)	RW-21_VP-2 482-483 8/20/2015 RW-21_VP-2 (482-483)	RW-21_VP-2 482-483 8/20/2015 REP082015KM1	RW-21_VP-2 502-504 8/20/2015 RW-21_VP-2 (502-504)	RW-21_VP-2 522-523 8/20/2015 RW-21_VP-2 (522-523)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	**1.3**	**1.3**	**0.97 J**	**0.30 J**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	**4.6**	**4.8**	**4.4**	**0.75 J**
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	**3.3**	**3.1**	**2.3**	**0.56 J**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	**0.55 J**	**0.52 J**	**0.82 J**	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	**6.0 J**	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**4.7 J**	< 10	**13.0**	< 10	< 10	< 10	**7.4 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		**0.36 J**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	**1.3**	**1.4**	**3.3**	**0.35 J**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	**14.7**	**14.2**	**11.0**	**3.2**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		**0.64 J**	< 1.0	**0.45 J**	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		**0.25 J**	< 1.0	**0.21 J**	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	**4.8**	**4.1**	**1.7**	**0.79 J**
Toluene		**0.62 J**	< 1.0	**0.55 J**	**0.23 J**	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	**0.90 J**	**0.29 J**	**45.4**	**38.9**	**34.5**	**7.9**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**6.6**	**0.9**	**21**	**76**	**68**	**59**	**21**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-2 542-543 8/20/2015 RW-21_VP-2 (542-543)	RW-21_VP-2 545-546 8/18/2015 RW-21_VP-1(545-546)	RW-21_VP-2 560-561 8/18/2015 RW-21_VP-1(560-561)	RW-21_VP-2 561-562 8/24/2015 RW-21_VP-2(561-562)	RW-21_VP-2 582-583 8/24/2015 RW-21_VP-2(582-583)	RW-21_VP-2 602-603 8/24/2015 RW-21_VP-2(602-603)	RW-21_VP-2 622-623 8/24/2015 RW-21_VP-2(622-623)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	**0.26 J**	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**0.23 J**	< 1.0	**0.82 J**	**0.72 J**	**0.20 J**	**0.33 J**	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	**0.59 J**	**0.57 J**	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.61 J**	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**6.6 J**	**12.2**	**11.7**	**11.3**	**15.1**	**7.3 J**	**10.4**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.21 J**	< 1.0	**0.27 J**	**0.41 J**	**0.27 J**	**0.69 J**	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**4.3**	< 1.0	**1.7**	**7.0**	**6.4**	**16.9**	**1.1**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	**0.52 J**	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	**0.26 J**	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	**0.69 J**	< 1.0	**0.55 J**	< 1.0
Toluene		**0.19 J**	< 1.0	< 1.0	**0.53 J**	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**9.0**	**0.42 J**	**2.8**	**9.6**	**23.0**	**78.1**	**19.3**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**21**	**13**	**18**	**32**	**45**	**100**	**31**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Sample Location:	RW-21_VP-2	RW-21_VP-2	RW-21_VP-2	RW-21_VP-2	RW-21_VP-2	RW-21_VP-2	RW-21_VP-3
	Sample Depth (ft bls):	642-643	662-663	681-682	701-702	722-723	741-742	299-300
CONSTITUENT	Sample Date:	8/25/2015	8/25/2015	8/25/2015	8/25/2015	8/27/2015	8/27/2015	3/31/2015
(ug/L)	Sample ID:	RW-21_VP-2(642-643)	RW-21_VP-2(662-663)	RW-21_VP-2(681-682)	RW-21_VP-2(701-702)	RW-21_VP-2(722-723)	RW-21_VP-2(741-742)	RW-21_VP-3(299-300)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.6**
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**6.7 J**	**4.8 J**	**11.3**	**7.4 J**	**7.3 J**	**6.7 J**	**5.3 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0 J
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		**0.35 J**	< 2.0	< 2.0	< 2.0	**0.26 J**	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0 J
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**1.1**	**1.4**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.23 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**0.95 J**	**77.5**	**1.7**	**1.7**	**0.34 J**	**0.74 J**	< 1.0
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**9.3**	**84**	**13**	**9.1**	**7.9**	**7.4**	**8.9**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples ᑕTable 2.
Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-3 299-300 3/31/2015 REP033115DM	RW-21_VP-3 318-319 3/31/2015 RW-21_VP-3(318-319)	RW-21_VP-3 338-339 3/31/2015 RW-21_VP-3(338-339)	RW-21_VP-3 362-363 3/31/2015 RW-21_VP-3(362-363)	RW-21_VP-3 384-385 3/31/2015 RW-21_VP-3(384-385)	RW-21_VP-3 399-400 4/1/2015 RW-21_VP-3(399-400)	RW-21_VP-3 419-420 4/1/2015 RW-21_VP-3(419-420)
1,1,1-Trichloroethane		< 1.0 J	< 1.0 J	< 1.0 J	**0.77 J**	**0.94 J**	**0.55 J**	**3.0 J**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0 J	< 5.0 J	< 5.0 J	< 5.0 J	< 5.0 J	< 5.0 J	< 5.0 J
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**3.7**	**1.2**	**0.37 J**	**2.8**	**2.7**	**2.0**	**9.7**
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	**1.4**	**1.2**	**1.1**	**5.7**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.2**
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	< 10	< 10	**6.3 J**	**15.3**	< 10
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	**0.32 J**	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0 J	< 4.0 J	< 4.0 J	< 4.0 J	< 1.0 J	< 1.0 J	< 1.0 J
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0 J	< 5.0 J	< 5.0 J	< 5.0 J	< 2.0 J	< 2.0 J	< 2.0 J
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	**0.38 J**	**0.43 J**	**0.83 J**	**2.7**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	**0.85 J**	**0.68 J**	**2.5**	**11.2**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	**0.70 J**	< 1.0	< 1.0	**13.8**
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	**0.25 J**	**0.90 J**	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	< 1.0	< 1.0	**2.6**	**5.6**	**12.2**	**65.6**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**3.7**	**1.2**	**0.4**	**9.5**	**18**	**36**	**110**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-3 438-439 4/1/2015 RW-21_VP-3(438-439)	RW-21_VP-3 458-459 4/1/2015 RW-21_VP-3(458-459)	RW-21_VP-3 478-479 4/1/2015 RW-21_VP-3(478-479)	RW-21_VP-3 498-499 4/2/2015 RW-21_VP-3(498-499)	RW-21_VP-3 519-520 4/2/2015 RW-21_VP-3(519-520)	RW-21_VP-3 538-539 4/2/2015 RW-21_VP-3(538-539)	RW-21_VP-3 558-559 4/2/2015 RW-21_VP-3(558-559)
1,1,1-Trichloroethane		**2.2 J**	**2.2 J**	**4.7 J**	**2.7 J**	< 1.0 J	< 50 J	< 50 J
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0 J	< 5.0 J	< 25 J	< 25 J	< 5.0 J	< 250 J	< 250 J
1,1,2-Trichloroethane		< 1.0	< 1.0	**3.8 J**	**1.8 J**	< 1.0	< 50	< 50
1,1-Dichloroethane		**9.5**	**9.7**	**15.4**	**12.1**	< 1.0	< 50	**27.4 J**
1,1-Dichloroethene		**4.7**	**4.6**	**16.4**	**11.4**	< 1.0	< 50	**26.5 J**
1,2-Dichloroethane		**1.3**	**0.51 J**	**39.9**	**20.3**	**0.27 J**	< 50	**45.4 J**
1,2-Dichloropropane		< 1.0	< 1.0	**5.5**	< 5.0	< 1.0	< 50	< 50
2-Butanone (MEK)		< 10	< 10	< 50	< 50	< 10	< 500	< 500
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 25	< 25	< 5.0	< 250	< 250
Acetone		< 10	< 10	< 50	< 50	**7.1 J**	< 500	< 500
Benzene		< 0.50	< 0.50	< 2.5	< 2.5	< 0.50	< 25	< 25
Bromodichloromethane		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
Bromoform		< 1.0 J	< 1.0 J	< 5.0 J	< 5.0 J	< 1.0 J	< 50 J	< 50 J
Bromomethane		< 2.0	< 2.0	< 10	< 10	< 2.0	< 100	< 100
Carbon Disulfide		< 2.0	< 2.0	< 10	< 10	< 2.0	< 100	< 100
Carbon Tetrachloride		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
CFC-12		< 2.0 J	< 2.0 J	< 10 J	< 10 J	< 2.0 J	< 100 J	< 100 J
Chlorobenzene		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
Chlorodibromomethane		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
Chlorodifluoromethane		< 5.0	< 5.0	< 25	< 25	< 5.0	< 250	< 250
Chloroethane		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
Chloroform		**1.8**	**1.0**	**34.0**	**14.9**	< 1.0	**25.8 J**	**35.1 J**
Chloromethane		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
cis-1,2-Dichloroethene		**7.5**	**1.1**	**860**	**684**	**4.9**	**544**	**779**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
Dichloromethane		< 2.0	< 2.0	< 10	< 10	< 2.0	< 100	< 100
Ethylbenzene		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
m,p-Xylene		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 25	< 25	< 5.0	< 250	< 250
o-Xylene		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
Styrene (Monomer)		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
Tetrachloroethene		**13.4**	**16.4**	**5.7**	**13.7**	< 1.0	< 50	< 50
Toluene		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
trans-1,2-Dichloroethene		< 1.0	< 1.0	**7.8**	**3.5 J**	< 1.0	< 50	< 50
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
Trichloroethene		**46.3**	**10.4**	**2410 D**	**1610 D**	**16.2**	**6750**	**13200 D**
Vinyl chloride		< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 50	< 50
TVOCs		**87**	**46**	**3400**	**2400**	**28**	**7300**	**14000**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Sample Location:	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3
	Sample Depth (ft bls):	578-579	598-599	618-619	643-644	658-660	700-701	710-711
CONSTITUENT	Sample Date:	4/2/2015	4/3/2015	4/3/2015	4/6/2015	4/6/2015	4/7/2015	4/7/2015
(ug/L)	Sample ID:	RW-21_VP-3(578-579)	RW-21_VP-3(598-599)	RW-21_VP-3(618-619)	RW-21_VP-3 (643-644)	RW-21_VP-3 (658-660)	RW-21_VP-3 (700-701)	RW-21_VP-3 (710-711)
1,1,1-Trichloroethane		< 25 J	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 130 J	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**10.6 J**	**8.4 J**	**7.7 J**	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		**19.8 J**	**10.8 J**	**7.2 J**	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 250	< 200	< 200	< 10	< 10	**6.3 J**	< 10
4-Methyl-2-Pentanone		< 130	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 250	< 200	< 200	**20.8**	< 10	**11.9**	**5.9 J**
Benzene		< 13	< 10	< 10	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 25 J	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 50	< 40	< 40	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 50	< 40	< 40	< 2.0	< 2.0	**0.37 J**	< 2.0
Carbon Tetrachloride		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 50 J	< 40	< 40	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 130	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**16.1 J**	**9.8 J**	**5.7 J**	**0.21 J**	< 1.0	< 1.0	< 1.0
Chloromethane		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**283**	**208**	**149**	**2.1**	**0.63 J**	**0.56 J**	< 1.0
cis-1,3-Dichloropropene		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 50	< 40	< 40	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 130	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 25	< 20	< 20	**0.24 J**	< 1.0	**0.22 J**	< 1.0
trans-1,2-Dichloroethene		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**4270**	**4660 D**	**2910**	**30.6**	**25.5**	**11.8**	**6.4**
Vinyl chloride		< 25	< 20	< 20	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**4600**	**4900**	**3100**	**54**	**26**	**31**	**12**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-3 715-716 4/7/2015 RW-21_VP-3 (715-716)	RW-21_VP-3 720-721 4/7/2015 RW-21_VP-3 (720-721)	RW-21_VP-3 725-726 4/7/2015 RW-21_VP3(725-726)	RW-21_VP-3 730-731 4/8/2015 RW-21_VP-3(730-731)	RW-21_VP-3 735-736 4/8/2015 RW-21_VP-3(735-736)	RW-21_VP-3 740-741 4/8/2015 RW-21_VP-3(740-741)	RW-21_VP-3 745-746 4/8/2015 RW-21_VP-3(745-746)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**3.7 J**	**13.4**	< 10	< 10	< 10	< 10	**4.7 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	**0.31 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	**0.60 J**	**0.26 J**	< 1.0	< 1.0	< 1.0	**0.18 J**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**3.9**	**3.6**	**5.1**	**2.2**	**0.28 J**	**2.3**	**0.46 J**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**7.6**	**18**	**5.4**	**2.2**	**0.28**	**2.3**	**5.3**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-3 755-756 4/8/2015 RW-21_VP-3 (755-756)	RW-21_VP-3 760-761 4/9/2015 RW-21_VP-3 (760-761)	RW-21_VP-3 775-776 4/9/2015 RW-21_VP-3 (775-776)	RW-21_VP-3 780-781 4/9/2015 RW-21_VP-3 (780-781)	RW-21_VP-3 785-786 4/9/2015 RW-21_VP-3 (785-786)	RW-21_VP-3 790-791 4/10/2015 RW-21_VP-3 (790-791)	RW-21_VP-3 795-796 4/10/2015 RW-21_VP-3 (795-796)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	< 10	< 10	< 10	**10.5**	< 10
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**0.65 J**	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	**4.1**	**0.36 J**	**0.90 J**	< 1.0	**18.7**	**0.99 J**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**0.0**	**4.1**	**0.36**	**0.9**	**0.0**	**30**	**1.0**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Sample Location:	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3	RW-21_VP-3
	Sample Depth (ft bls):	801-802	806-807	811-812	815-816	820-821	825-826	830-831
CONSTITUENT	Sample Date:	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/14/2015	4/14/2015	4/14/2015
(ug/L)	Sample ID:	RW-21_VP-3(801-802)	RW-21_VP-3(806-807)	RW-21_VP-3(811-812)	RW-21_VP-3(815-816)	RW-21_VP-3(820-821)	RW-21_VP-3(825-826)	RW-21_VP-3(830-831)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		**6.6 J**	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**8.9 J**	**7.4 J**	**8.6 J**	**8.0 J**	**15.2**	**9.3 J**	**3.4 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0 J	< 2.0 J	< 2.0 J
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.62 J**	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.37 J**	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	**0.48 J**	< 1.0	**0.42 J**	**0.41 J**	**0.67 J**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**2.5**	< 1.0	**3.5**	**0.44 J**	**5.8**	**0.30 J**	**1.3**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**18**	**7.4**	**13**	**8.4**	**21**	**11**	**5.4**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-3 835-836 4/14/2015 RW-21_VP-3(835-836)	RW-21_VP-3 840-841 4/14/2015 RW-21_VP-3(840-841)	RW-21_VP-3 844-845 4/15/2015 RW-21_VP-3(844-845)	RW-21_VP-3 849-850 4/15/2015 RW-21_VP-3(849-850)	RW-21_VP-3 855-856 4/15/2015 RW-21_VP-3(855-856)	RW-21_VP-3 860-861 4/15/2015 RW-21_VP-3(860-861)	RW-21_VP-4 302-303 12/5/2014 RW-21_VP-4(302-303)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	< 10	**9.9 J**	< 10	< 10	< 10
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.20**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.57**
Toluene		**0.18 J**	< 1.0	< 1.0	**0.23 J**	< 1.0	**0.24 J**	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	**0.93 J**	**2.0**	**1.1**	< 1.0	< 1.0	**1.2**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**0.18**	**0.93**	**2.0**	**11**	**0.0**	**0.2**	**2.0**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-4 322-323 12/8/2014 RW-21_VP-4(322-323)	RW-21_VP-4 347-348 12/8/2014 RW-21_VP-4(347-348)	RW-21_VP-4 347-348 12/8/2014 REP120814KM1	RW-21_VP-4 371 12/9/2014 RW21_VP-4_371	RW-21_VP-4 371-507 12/15/2014 RW-21_VP-4(506-507)	RW-21_VP-4 381-382 12/10/2014 RW-21_VP-4 (381-382)	RW-21_VP-4 406-407 12/10/2014 RW-21_VP-4 (406-407)
1,1,1-Trichloroethane		< 1.0	**0.58**	**0.61**	**1.6**	< 1.0	**2.3**	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	**0.43**	< 1.0	**0.43**	< 1.0
1,1-Dichloroethane		< 1.0	**3.6**	**3.7**	**10**	< 1.0	**9.9**	**1.2**
1,1-Dichloroethene		< 1.0	**1.8**	**2.0**	**5.7**	< 1.0	**7.0**	**0.94**
1,2-Dichloroethane		< 1.0	**0.77**	**0.80**	**2.5**	< 1.0	**2.9**	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	**0.52**	< 1.0	**0.41**	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	< 10	< 10	**4.6**	**4.7**	**10.2**
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	**0.37**	< 1.0	**0.52**	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	**0.85**	**0.87**	**2.0**	< 1.0	**2.3**	**0.29**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	**133**	**132**	**321**	**1.2**	**281**	**10.8**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.54**
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.30**
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	**1.8**	**1.9**	**2.2**	< 1.0	**1.7**	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	**0.37**	< 1.0	**5.2**
trans-1,2-Dichloroethene		< 1.0	**1.1**	**1.2**	**2.3**	< 1.0	**2.2**	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	**202**	**203**	**540**	**10.2**	**674**	**48.6**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**0.0**	**350**	**350**	**890**	**16**	**990**	**78**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-4 420-421 12/11/2014 RW-21_VP-4(420-421)	RW-21_VP-4 440-441 12/11/2014 RW-21_VP-4(440-441)	RW-21_VP-4 460-461 12/11/2014 RW-21_VP-4(460-461)	RW-21_VP-4 481-482 12/12/2014 RW-21_VP-4(481-482)	RW-21_VP-4 506-521 12/15/2014 RW-21_VP-4(520-521)	RW-21_VP-4 540-541 12/15/2014 RW-21_VP-4(540-541)	RW-21_VP-4 560-561 12/15/2014 RW-21_VP-4(560-561)
1,1,1-Trichloroethane		< 1.0	**0.82 J**	< 1.0	**0.42**	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	**2.1**	< 1.0	**1.1**	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	**2.8**	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	**4.4**	< 1.0	**2.9**	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	**1.0**	< 1.0	**0.79**	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	**7.0**	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**5.5 J**	**3.4 J**	**18.4**	**3.6**	**7.5**	< 10	< 10
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	**0.47 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	**4.0**	< 1.0	**1.6**	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**2.7**	**28.5**	**0.52 J**	**24.8**	**0.41**	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**2.1**	**1.7**	**0.46 J**	**1.1**	**0.54**	**0.23**	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**13.4**	**323**	**1.2**	**248**	**2.0**	**1.2**	**0.93**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**24**	**370**	**21**	**290**	**17**	**1.4**	**0.93**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-4 580-581 12/16/2014 RW-21_VP-4(580-581)	RW-21_VP-4 600-601 12/16/2014 RW-21_VP-4(600-601)	RW-21_VP-4 630-631 12/16/2014 RW-21_VP-4(630-631)	RW-21_VP-4 642-643 12/17/2014 RW-21_VP-4(642-643)	RW-21_VP-4 660-661 12/17/2014 RW-21_VP-4(660-661)	RW-21_VP-4 680-681 12/17/2014 RW-21_VP-4(680-681)	RW-21_VP-4 702-703 12/17/2014 RW-21_VP-4(702-703)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	**4.9**	< 10	< 10	**6.8**	< 10	**15.4**
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.39**	< 1.0	< 1.0	**0.26**	**0.27**	**0.26**	**1.0**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**1.6**	**1.6**	**2.4**	**0.73**	**0.82**	**1.1**	**0.57**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**2.0**	**6.5**	**2.4**	**1.0**	**7.9**	**1.4**	**17**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-5 307-308 4/30/2015 RW-21_VP-5 (307-308)	RW-21_VP-5 307-308 4/30/2015 REP043015SL	RW-21_VP-5 326-327 4/30/2015 RW-21_VP-5 (326-327)	RW-21_VP-5 347-348 4/30/2015 RW-21_VP-5 (347-348)	RW-21_VP-5 377-378 4/30/2015 RW-21_VP-5 (377-378)	RW-21_VP-5 387-388 4/30/2015 RW-21_VP-5 (387-388)	RW-21_VP-5 407-408 4/30/2015 RW-21_VP-5 (407-408)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.2**	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		**3.3**	**3.4**	< 5.0	**2.5**	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	**0.97**	< 1.0	**1.6**	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.9**	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**11.0**	< 10	**9.8**	**5.3**	**16.3**	**14.9**	**10.5**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	**0.33**	**0.34**	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	**1.0**	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**1.1**	**1.2**	< 1.0	**4.5**	**0.39**	**0.69**	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	**0.56**	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	**0.21**	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		**3.4**	**3.6**	**1.6**	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	**0.31**	< 1.0	**0.23**	**0.44**	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**122**	**128**	**38.5**	**137**	**24.9**	**25.9**	**3.5**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**140**	**140**	**50**	**150**	**43**	**48**	**14**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-5 430-431 5/4/2015 RW-21_VP-5(430-431)	RW-21_VP-5 447-448 5/4/2015 RW-21_VP-5(447-448)	RW-21_VP-5 466-467 5/4/2015 RW-21_VP-5(466-467)	RW-21_VP-5 526-527 5/5/2015 RW-21_VP-5(526-527)	RW-21_VP-5 541-542 5/6/2015 RW-21_VP-5(541-542)	RW-21_VP-5 547-548 5/6/2015 RW-21_VP-5(547-548)	RW-21_VP-5 566-567 5/6/2015 RW-21_VP-5(566-567)
1,1,1-Trichloroethane		< 1.0	**0.71**	**1.5**	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	**2.5**	**8.5**	< 1.0	< 1.0	**1.7**	**1.9**
1,1-Dichloroethene		< 1.0	**0.93**	**3.3**	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	**0.68**	< 1.0	< 1.0	**0.71**	**0.96**
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**5.3**	< 10	< 10	**13.8**	**6.9**	< 10	< 10
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	**0.48**	< 1.0	< 1.0	< 1.0	**0.28**
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	**0.22**	**1.9**	< 1.0	< 1.0	**2.0**	**3.2**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	**3.4**	< 1.0	< 1.0	**3.2**	**3.8**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.27**	< 1.0	< 1.0	< 1.0	**0.20**	**1.0**	**0.21**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**2.1**	**1.6**	**14.2**	< 1.0	**0.42**	**6.9**	**12.4**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**7.7**	**6**	**34**	**14**	**7.5**	**16**	**23**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-5 566-567 5/6/2015 REP050615SL	RW-21_VP-5 590-591 5/6/2015 RW-21_VP-5(590-591)	RW-21_VP-5 595-596 5/6/2015 RW-21_VP-5(595-596)	RW-21_VP-5 606-607 5/6/2015 RW-21_VP-5 (606-607)	RW-21_VP-5 626-627 5/7/2015 RW-21_VP-5 (626-627)	RW-21_VP-5 646-647 5/7/2015 RW-21_VP-5 (646-647)	RW-21_VP-5 666-667 5/7/2015 RW-21_VP-5 (666-667)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**1.9**	< 1.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		**1.0**	< 1.0	< 1.0	< 1.0	**0.43**	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	**9.8**	**6.6**	< 10	**12.2**	**7.7**	**10.9**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	**0.32**	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		**0.25**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	**0.41**	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**3.0**	< 1.0	< 1.0	< 1.0	**1.3**	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**3.3**	< 1.0	< 1.0	< 1.0	**4.1**	< 1.0	**0.39**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.25**	**0.76**	**1.1**	**0.66**	**0.83**	**0.54**	**0.99**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**10.9**	**0.86**	**0.69**	**0.92**	**10.3**	**0.37**	**1.1**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**21**	**11**	**8.4**	**2.3**	**30**	**8.6**	**13**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-5 686-687 5/7/2015 RW-21_VP-5 (686-687)	RW-21_VP-5 695-696 5/7/2015 RW-21_VP-5 (695-696)	RW-21_VP-5 715-716 5/11/2015 RW-21_VP-5(715-716)	RW-21_VP-6 302-303 6/16/2015 RW-21_VP-6(302-303)	RW-21_VP-6 321-322 6/16/2015 RW-21_VP-6(321-322)	RW-21_VP-6 343-344 6/16/2015 RW-21_VP-6(343-344)	RW-21_VP-6 365-366 6/16/2015 RW-21_VP-6(365-366)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.76 J**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.9**
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.79 J**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**6.6**	**7.3**	**21.8**	**11.2**	**5.1 J**	< 10	< 10
Benzene		< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	**0.47 J**	**0.45 J**	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.29 J**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	**0.69 J**	**0.43 J**	**0.43 J**	**0.47 J**
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	**0.37 J**	**0.20 J**	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.79 J**	**0.91 J**
Toluene		**1.5**	**1.3**	**0.62 J**	**1.5**	**0.60 J**	**0.74 J**	**0.46 J**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**0.66**	**0.81**	< 1.0	< 1.0	< 1.0	**16.0**	**7.1**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**8.8**	**9.4**	**22**	**15**	**6.8**	**18**	**13**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-6 381-382 6/17/2015 RW-21_VP-6(381-382)	RW-21_VP-6 401-402 6/17/2015 RW-21_VP-6(401-402)	RW-21_VP-6 421-422 6/17/2015 RW-21_VP-6(421-422)	RW-21_VP-6 441-442 6/17/2015 RW-21_VP-6(441-442)	RW-21_VP-6 462-463 6/17/2015 RW-21_VP-6(462-463)	RW-21_VP-6 480-481 6/17/2015 RW-21_VP-6(480-481)	RW-21_VP-6 502-503 6/18/2015 RW-21_VP-6(502-503)
1,1,1-Trichloroethane		< 1.0	**1.1**	< 1.0	< 1.0	**1.8**	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**1.1**	**2.1**	**0.69 J**	**2.3**	**5.8**	**1.0**	**1.2**
1,1-Dichloroethene		**0.54 J**	**1.2**	< 1.0	< 1.0	**2.0**	< 1.0	**0.51 J**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**24.8**	**5.6 J**	**4.0 J**	**4.1 J**	**5.3 J**	**17.8**	**8.1 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	**0.34 J**	**0.37 J**	**0.40 J**	**0.36 J**	< 2.0	**0.28 J**
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.23 J**	**0.34 J**	< 1.0	< 1.0	**0.51 J**	< 1.0	**0.24 J**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.68 J**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		**2.6**	< 1.0	< 1.0	< 1.0	< 1.0	**0.37 J**	**0.27 J**
m,p-Xylene		**10.8**	**0.58 J**	< 1.0	< 1.0	**0.52 J**	**1.3**	**0.77 J**
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		**3.4**	< 1.0	< 1.0	< 1.0	**0.20 J**	**0.45 J**	**0.37 J**
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	**0.78 J**	< 1.0	< 1.0	< 1.0	< 1.0	**0.56 J**
Toluene		**0.32 J**	**0.54 J**	< 1.0	< 1.0	**0.42 J**	< 1.0	**0.90 J**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**4.6**	**13.1**	< 1.0	< 1.0	**1.7**	**0.50 J**	**2.0**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**48**	**26**	**5.1**	**6.8**	**19**	**21**	**16**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-6 520-521 6/18/2015 RW-21_VP-6(520-521)	RW-21_VP-6 542-543 6/18/2015 RW-21_VP-6(542-543)	RW-21_VP-6 568-569 6/18/2015 RW-21_VP-6(568-569)	RW-21_VP-6 581-582 6/19/2015 RW-21_VP-6(581-582)	RW-21_VP-6 606-607 6/22/2015 RW-21_VP-6(606-607)	RW-21_VP-6 621-622 6/22/2015 RW-21_VP-6(621-622)	RW-21_VP-6 640-641 6/23/2015 RW-21_VP-6 (640-641)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	**1.1**	< 2.5	< 10	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 50	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	**0.81 J**	**1.7 J**	**2.4 J**	< 1.0
1,1-Dichloroethane		**0.68 J**	< 1.0	< 1.0	**5.6**	**0.58 J**	**4.0 J**	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	**3.0**	< 2.5	< 10	< 1.0
1,2-Dichloroethane		**0.86 J**	< 1.0	< 1.0	**3.8**	**6.0**	**12.6**	**0.42 J**
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	**1.5 J**	< 10	< 1.0
2-Butanone (MEK)		< 10	**7.3 J**	**7.6 J**	< 10	< 25	< 100	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 50	< 5.0
Acetone		**15.3**	**14.6**	**27.0**	**6.4 J**	**25.5**	< 100	**14.6**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 1.3	< 5.0	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 20	< 2.0
Carbon Disulfide		< 2.0	**0.49 J**	**0.41 J**	**0.26 J**	< 5.0	< 20	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	**0.34 J**	< 2.5	< 10	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 20	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 50	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
Chloroform		**0.86 J**	< 1.0	< 1.0	**12.4**	**5.2**	**17.2**	**0.27 J**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
cis-1,2-Dichloroethene		**15.5**	**0.31 J**	**0.86 J**	**80.6**	**132**	**389**	**6.5**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 20	< 2.0
Ethylbenzene		**0.39 J**	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
m,p-Xylene		**1.6**	< 1.0	< 1.0	**0.46 J**	< 2.5	< 10	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 50	< 5.0
o-Xylene		**0.58 J**	< 1.0	< 1.0	**0.20 J**	< 2.5	< 10	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
Tetrachloroethene		**0.53 J**	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
Toluene		**0.32 J**	**0.28 J**	< 1.0	**0.43 J**	< 2.5	< 10	**0.21 J**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
Trichloroethene		**30.8**	< 1.0	**0.59 J**	**163**	**662**	**1220**	**96.5**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 10	< 1.0
TVOCs		**67**	**23**	**36**	**280**	**830**	**1600**	**120**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Sample Location:	RW-21_VP-6	RW-21_VP-6	RW-21_VP-6	RW-21_VP-6	RW-21_VP-6	RW-21_VP-6	RW-21_VP-7
	Sample Depth (ft bls):	661-662	661-662	682-683	700-701	726-727	741-742	302-303
CONSTITUENT	Sample Date:	6/23/2015	6/23/2015	6/23/2015	6/23/2015	6/25/2015	6/25/2015	1/19/2015
(ug/L)	Sample ID:	RW-21_VP-6 (661-662)	REP062315AM1	RW-21_VP-6 (682-683)	RW-21_VP-6 (700-701)	RW-21_VP-6(726-727)	RW-21_VP-6(741-742)	RW-21_VP-7(302-303)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**0.77 J**	**0.60 J**	< 1.0	< 1.0	< 1.0	< 1.0	**1.1**
1,1-Dichloroethene		**1.0**	**0.66 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		**0.94 J**	**0.87 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	**11.0**	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**8.0 J**	**7.4 J**	< 10	**7.5 J**	**12.5**	**22.8**	< 10
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		**0.27 J**	< 2.0	< 2.0	< 2.0	< 2.0	**0.32 J**	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.35 J**	**0.31 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**14.9**	**11.8**	**0.63 J**	**0.79 J**	**0.41 J**	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	**0.40 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		**0.18 J**	**0.22 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
Tetrachloroethene		**0.45 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.37 J**	**0.44 J**	< 1.0	**0.32 J**	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**390**	**227**	**15.7**	**5.6**	**1.9**	< 1.0	< 1.0
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**420**	**250**	**16**	**14**	**15**	**34**	**1.1**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-7 320-321 1/19/2015 RW-21_VP-7(320-321)	RW-21_VP-7 345-346 1/19/2015 RW-21_VP-7(345-346)	RW-21_VP-7 362-363 1/19/2015 RW-21_VP-7(362-363)	RW-21_VP-7 380-381 1/20/2015 RW-21_VP-7 (380-381)	RW-21_VP-7 401-402 1/20/2015 RW-21_VP-7 (401-402)	RW-21_VP-7 421-422 1/20/2015 RW-21_VP-7 (421-422)	RW-21_VP-7 441-442 1/20/2015 RW-21_VP-7 (441-442)
1,1,1-Trichloroethane		**1.9**	< 1.0	< 1.0	**0.43**	< 1.0	**0.80**	**1.1**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**5.8**	< 1.0	< 1.0	**1.5**	< 1.0	**2.5**	**3.6**
1,1-Dichloroethene		**2.1**	< 1.0	< 1.0	< 1.0	< 1.0	**1.0**	**1.4**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.45**	< 1.0	< 1.0	< 1.0	< 1.0	**0.35**	**0.44**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.39**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	**0.36**	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	**0.26**	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**0.81**	< 1.0	< 1.0	**4.1**	< 1.0	**3.8**	**3.0**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**11**	**0.0**	**0.0**	**6.7**	**0.0**	**8.5**	**9.9**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-7 468-469 1/21/2015 RW-21_VP-7 (468-469)	RW-21_VP-7 481-482 1/21/2015 RW-21_VP-7 (481-482)	RW-21_VP-7 502-503 1/21/2015 RW-21_VP-7 (502-503)	RW-21_VP-7 521-522 1/21/2015 RW-21_VP-7 (521-522)	RW-21_VP-7 544-545 1/21/2015 RW-21_VP-7 (544-545)	RW-21_VP-7 561-562 1/22/2015 RW-21_VP-7(561-562)	RW-21_VP-7 581-582 1/22/2015 RW-21_VP-7(581-582)
1,1,1-Trichloroethane		**1.1**	**0.82**	< 1.0	< 1.0	**2.5**	**2.1**	**2.6**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	**0.65**	**0.63**	**4.7**
1,1-Dichloroethane		**3.1**	**3.1**	**1.4**	< 1.0	**9.9**	**6.2**	**6.7**
1,1-Dichloroethene		**2.0**	**1.3**	**0.81**	< 1.0	**5.5**	**4.2**	**7.3**
1,2-Dichloroethane		**0.44**	**0.60**	**1.2**	< 1.0	**4.1**	**5.4**	**21.6**
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	**0.38**	**0.61**	**10.6**
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.28**
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	**0.45**	**0.34**	**2.7**
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.97**	**1.2**	**3.1**	< 1.0	**8.1**	**8.8**	**22.4**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**13.6**	**1.9**	**2.0**	< 1.0	**59.9**	**84.2**	**295**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	**4.0**	**0.84**	**4.9**
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.77**	**3.8**
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**32.4**	**14.7**	**19.5**	**0.39**	**244**	**265**	**4870**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**54**	**24**	**28**	**0**	**340**	**380**	**5300**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-7 605-606 1/22/2015 RW-21_VP-7(605-606)	RW-21_VP-7 620-621 1/22/2015 RW-21_VP-7(620-621)	RW-21_VP-7 641-642 1/23/2015 RW-21_VP-7(641-642)	RW-21_VP-7 661-662 1/23/2015 RW-21_VP-7(661-662)	RW-21_VP-7 682-683 1/28/2015 RW_21_VP-7(682-683)	RW-21_VP-7 700-701 1/29/2015 RW-21_VP-7(700-701)	RW-21_VP-7 705-706 1/29/2015 RW-21_VP-7(705-706)
1,1,1-Trichloroethane		**0.90**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		**0.76**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**3.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		**1.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		**5.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		**1.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**5.0**	< 10	**6.9**	**5.9**	< 10	**9.7**	**8.1**
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		**0.24**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**3.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**64.1**	**2.3**	< 1.0	**1.9**	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		**0.73**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		**1.4**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**882**	**54.1**	**7.6**	**38.8**	**3.6**	**4.5**	**3.3**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**970**	**56**	**15**	**47**	**3.6**	**14**	**11**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-7 715-716 2/4/2015 RW-21_VP-7(715-716)	RW-21_VP-7 721-722 2/4/2015 RW-21_VP-7(721-722)	RW-21_VP-7 731-732 2/5/2015 RW-21_VP-7(731-732)	RW-21_VP-7 735-736 2/5/2015 RW-21_VP-7(735-736)	RW-21_VP-7 760-761 2/9/2015 RW-21_VP-7(760-761)	RW-21_VP-7 765-766 2/11/2015 RW-21_VP-7(765-766)	RW-21_VP-7 775-776 2/11/2015 RW-21_VP-7(775-776)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	**7.1**	< 5.0	< 5.0	< 5.0
Acetone		**11.3**	< 10	**3.0**	**29.9**	**7.1**	**9.5**	**5.9**
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	**0.34**	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	**0.99**	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	**0.80**	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	**0.25**	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**2.9**	**1.9**	**1.1**	**0.93**	**1.2**	< 1.0	< 1.0
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**14**	**1.9**	**4.1**	**40**	**8.3**	**9.5**	**5.9**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-7 791-792 2/11/2015 RW-21_VP-7(791-792)	RW-21_VP-7 797-798 2/12/2015 RW-21_VP-7(797-798)	RW-21_VP-7 806-807 2/12/2015 RW-21_VP-7(806-807)	RW-21_VP-7 816-817 2/12/2015 RW-21_VP-7(816-817)	RW-21_VP-7 826-827 2/17/2015 RW-21_VP-7(826-827)	RW-21_VP-7 837-838 2/18/2015 RW-21_VP-7(837-838)	RW-21_VP-8 300-301 11/5/2015 RW-21-VP-8(300-301)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	**4.0**	< 10	**10**
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	**17.3**	< 10	**10.8**	**6.3**	**32.0**
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.62 J**
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	**0.23**	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.22 J**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	< 1.0	**0.30**	< 1.0	**0.33**	< 1.0	< 1.0
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**0.0**	**0.0**	**18**	**0.0**	**15**	**6.3**	**43**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-8 325-326 11/5/2015 RW-21-VP-8(325-326)	RW-21_VP-8 341-342 11/9/2015 RW-21_VP-8(341-342)	RW-21_VP-8 361-362 11/9/2015 RW-21_VP-8(361-362)	RW-21_VP-8 381-382 11/9/2015 RW-21_VP-8(381-382)	RW-21_VP-8 402-403 11/10/2015 RW-21_VP-8(402-403)	RW-21_VP-8 402-403 11/10/2015 REP111015SL1	RW-21_VP-8 422-423 11/10/2015 RW-21_VP-8(422-423)
1,1,1-Trichloroethane		< 1.0	< 1.0	**0.43 J**	< 1.0	**0.51 J**	**0.59 J**	**0.79 J**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	**0.20 J**	< 1.0	**1.4**	**1.5**	**1.2**
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	**0.56 J**	**0.64 J**	**0.59 J**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**14.0**	**6.3 J**	< 10	**8.2 J**	< 10	< 10	< 10
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	**0.45 J**	< 1.0	**0.57 J**	**0.70 J**	**0.56 J**
Chloromethane		**0.48 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	**3.0**	**3.2**	**2.5**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.44 J**	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	< 1.0	**0.27 J**	**0.33 J**	**33.3**	**35.9**	**13.9**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**14**	**6.3**	**1.0**	**8.5**	**39**	**43**	**20**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-8 441-442 11/10/2015 RW-21_VP-8(441-442)	RW-21_VP-8 466-467 11/11/2015 RW-21_VP-8(466-467)	RW-21_VP-8 481-482 11/11/2015 RW-21_VP-8(481-482)	RW-21_VP-8 502-503 11/11/2015 RW-21_VP-8(502-503)	RW-21_VP-8 525-526 11/11/2015 RW-21_VP-8(525-526)	RW-21_VP-8 546-547 11/12/2015 RW-21_VP-8(546-547)	RW-21_VP-8 561 11/12/2015 RW-21_VP-8(561-562)
1,1,1-Trichloroethane		**0.29 J**	**1.7**	< 1.0	**0.66 J**	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	**0.34 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**1.2**	**8.0**	**0.31 J**	**1.7**	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		**0.52 J**	**5.4**	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	**4.1**	< 1.0	**1.7**	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	**0.76 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	**5.1 J**	**7.7 J**	< 10	**10.2**	**10.3**	**4.6 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	**0.44 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.48 J**	**3.4**	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**19.8**	**121**	**3.2**	**16.9**	**0.49 J**	**0.42 J**	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		**0.53 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	**1.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**28.0**	**277**	**14.9**	**170**	**1.6**	**1.9**	**0.67 J**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**51**	**430**	**26**	**190**	**12**	**12**	**5.3**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-8 581-582 11/16/2015 RW_21-VP-8(581-582)	RW-21_VP-8 601-602 11/16/2015 RW_21-VP-8(601-602)	RW-21_VP-8 620-621 11/16/2015 RW_21-VP-8(620-621)	RW-21_VP-8 641-642 11/17/2015 RW_21-VP-8(641-642)	RW-21_VP-8 660-661 11/17/2015 RW_21-VP-8(660-661)	RW-21_VP-8 680-681 11/17/2015 RW_21-VP-8(680-681)	RW-21_VP-8 700-701 11/17/2015 RW_21-VP-8(700-701)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**10.5**	**5.7 J**	**11.6**	**3.7 J**	**14.5**	**7.6 J**	**3.5 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		**0.59 J**	< 1.0	**0.66 J**	< 1.0	**0.71 J**	**0.51 J**	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		**0.21 J**	< 1.0	**0.24 J**	< 1.0	**0.21 J**	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.22 J**	< 1.0	**0.20 J**	< 1.0	**0.22 J**	**0.21 J**	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**0.77 J**	**0.25 J**	**0.38 J**	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**12**	**6.0**	**13**	**3.7**	**16**	**8.3**	**3.5**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-9 337-338 4/2/2015 RW-21_VP-9(337-338)	RW-21_VP-9 347-348 4/2/2015 RW-21_VP-9(347-348)	RW-21_VP-9 347-348 4/2/2015 REP040215SL	RW-21_VP-9 391-392 4/6/2015 RW-21_VP-9(391-392)	RW-21_VP-9 407-408 4/6/2015 RW-21_VP-9(407-408)	RW-21_VP-9 430-431 4/6/2015 RW-21_VP-9(430-431)	RW-21_VP-9 446-447 4/7/2015 RW-21_VP-9(446-447)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	**0.66**	**0.76**	**1.2**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	**1.0**	**0.49**	**0.59**
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	**1.0**	**1.1**	**0.95**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**19.3**	< 10	< 10	**10.4**	< 10	< 10	**6.1**
Benzene		**0.29**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	**0.27**	< 2.0	< 2.0	**0.36**
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	**0.22**	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	**0.87**	< 1.0	< 1.0	**0.57**
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	**1.4**	**2.9**	**1.3**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		**0.61**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		**0.29**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	**0.64**	**0.59**	< 1.0	**0.43**	< 1.0	< 1.0
Toluene		**0.61**	< 1.0	< 1.0	**0.47**	**1.2**	**0.31**	**0.78**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**4.7**	**6.5**	**6.4**	**6.3**	**123**	**87.5**	**62.8**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**26**	**7.1**	**7.0**	**18**	**130**	**93**	**75**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Sample Location:	RW-21_VP-9	RW-21_VP-9	RW-21_VP-9	RW-21_VP-9	RW-21_VP-9	RW-21_VP-9	RW-21_VP-9
	Sample Depth (ft bls):	467-468	491-492	507-508	530-531	556-557	567-568	591-592
CONSTITUENT	Sample Date:	4/7/2015	4/7/2015	4/7/2015	4/7/2015	4/8/2015	4/8/2015	4/9/2015
(ug/L)	Sample ID:	RW-21_VP-9(467-468)	RW-21_VP-9(491-492)	RW-21_VP-9(507-508)	RW-21_VP-9(530-531)	RW-21_VP-9(556-557)	RW-21_VP-9(567-568)	RW-21_VP-9(591-592)
1,1,1-Trichloroethane		**0.84**	< 1.0	< 1.0	< 1.0	< 1.0	**0.49**	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**3.5**	< 1.0	**1.3**	< 1.0	**0.35**	**3.3**	< 1.0
1,1-Dichloroethene		**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	**0.93**	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.39**	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	**29.4**	< 10	**12.0**	**5.9**	< 10	**6.5**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.43**	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.25**	< 1.0	< 1.0	< 1.0	**0.31**	**1.2**	**1.1**
Chloromethane		< 1.0	**0.42**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**1.3**	**0.45**	< 1.0	< 1.0	**0.63**	**0.95**	**1.3**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.45**	**2.0**	**1.4**	**2.1**	**1.5**	**1.7**	**0.79**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**14.7**	**20.8**	**3.3**	**9.0**	**8.1**	**7.2**	**4.9**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**22**	**53**	**6.0**	**23**	**17**	**17**	**15**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-9 606-607 4/9/2015 RW-21_VP-9(606-607)	RW-21_VP-9 632-633 4/9/2015 RW-21_VP-9(632-633)	RW-21_VP-9 650-651 4/9/2015 RW-21_VP-9 (650-651)	RW-21_VP-9 667-668 4/9/2015 RW-21_VP-9 (667-668)	RW-21_VP-9 692-693 4/13/2015 RW-21_VP-9(692-693)	RW-21_VP-9 706-707 4/13/2015 RW-21_VP-9(706-707)	RW-21_VP-11 302-303 1/19/2015 RW-21_VP-11(302-303)
1,1,1-Trichloroethane		**0.65**	**2.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	**0.81**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**3.9**	**8.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		**1.9**	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		**2.4**	**4.3**	< 1.0	**0.61**	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	< 10	< 10	**15.6**	< 10	**15.9**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**0.79 J**	< 2.0
Carbon Tetrachloride		< 1.0	**0.51**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.65**
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**11.2**	**14.5**	**0.40**	**3.2**	< 1.0	< 1.0	**0.39**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**29.4**	**123**	**3.2**	**7.0**	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
Tetrachloroethene		< 1.0	**0.47**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.55**	**0.71**	**0.87**	**30.6**	**0.40 J**	**0.26 J**	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**64.9**	**241**	**19.8**	**1.1**	**0.26 J**	**3.4**	**4.3**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**110**	**400**	**24**	**43**	**16**	**4.5**	**21**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-11 322-323 1/19/2015 RW-21_VP-11(322-323)	RW-21_VP-11 322-323 1/19/2015 REP011915SL	RW-21_VP-11 345-346 1/21/2015 RW-21_VP-11(345-346)	RW-21_VP-11 350-351 1/21/2015 RW-21_VP-11(350-351)	RW-21_VP-11 365-366 1/21/2015 RW-21_VP-11(365-366)	RW-21_VP-11 382-383 1/21/2015 RW-21_VP-11(382-383)	RW-21_VP-11 402-403 1/22/2015 RW-21_VP-11(402-403)
1,1,1-Trichloroethane		**0.67**	**0.82**	< 1.0	< 1.0	**0.62**	< 1.0	**1.0**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**2.5**	**2.7**	< 1.0	< 1.0	**4.7**	< 1.0	**4.2**
1,1-Dichloroethene		**0.99**	**1.2**	< 1.0	< 1.0	**0.65**	< 1.0	**1.0**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	**13.0**	**12.9**	< 10	**10.9**	< 10
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	**0.34**	**0.36**	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.41**	**0.41**	**0.25**	< 1.0	**0.26**	< 1.0	**0.40**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		**0.48**	**0.56**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	**0.23**	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**173**	**195**	**2.7**	**3.1**	**14.3**	**2.0**	**20.7**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**180**	**200**	**17**	**16**	**21**	**13**	**27**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-11 422 1/22/2015 RW-21_VP-11(422-423)	RW-21_VP-11 442-443 1/22/2015 RW-21_VP-11(442-443)	RW-21_VP-11 462-463 1/22/2015 RW-21_VP-11(462-463)	RW-21_VP-11 482-483 1/23/2015 RW-21_VP-11(482-483)	RW-21_VP-11 512-513 2/3/2015 RW-21_VP-11(512-513)	RW-21_VP-11 512-513 2/3/2015 REP020315SL	RW-21_VP-11 522-523 2/4/2015 RW-21_VP-11(522-523)
1,1,1-Trichloroethane		< 1.0	< 1.0	**0.95**	< 1.0	**1.7**	**1.8**	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	**4.3**	**2.3**	**8.8**	**8.8**	**0.96**
1,1-Dichloroethene		< 1.0	< 1.0	**0.92**	< 1.0	**2.5**	**2.5**	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	**5.2**	**5.3**	**8.6**
4-Methyl-2-Pentanone		< 5.0	**3.1**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	**28.0**	**3.6**	**11.3**	**5.8**	**4.8**	**50.7**
Benzene		< 1.0	< 1.0	< 1.0	**0.36**	< 1.0	< 1.0	**0.45**
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	**0.41**	< 2.0	**0.35**	< 2.0	< 2.0	**0.46**
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	**0.42**	**0.58**	**0.52**	**0.55**	**0.31**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.33**
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	**0.64**	**0.72**	**0.82**
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	**0.26**	**0.22**	**0.47**
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	**0.23**	< 1.0	**0.36**	< 1.0	< 1.0	**0.45**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**1.7**	**5.9**	**5.9**	**1.7**	**4.3**	**4.1**	**0.66**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**1.7**	**38**	**16**	**17**	**30**	**29**	**64**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-11 547-548 2/4/2015 RW-21_VP-11(547-548)	RW-21_VP-11 562-563 2/4/2015 RW-21_VP-11(562-563)	RW-21_VP-11 582-583 2/5/2015 RW-21_VP-11(582-583)	RW-21_VP-11 603-604 2/5/2015 RW-21_VP-11(603-604)	RW-21_VP-11 623-624 2/5/2015 RW-21_VP-11(623-624)	RW-21_VP-11 642-643 2/11/2015 RW-21_VP-11(642-643)	RW-21_VP-11 686-687 2/12/2015 RW-21_VP-11(686-687)
1,1,1-Trichloroethane		**0.80**	< 1.0	< 1.0	**2.2**	< 1.0	< 4.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 20	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 4.0	< 1.0
1,1-Dichloroethane		**3.0**	< 1.0	< 1.0	**6.0**	< 1.0	**1.8**	< 1.0
1,1-Dichloroethene		**1.4**	< 1.0	< 1.0	**5.4**	< 1.0	< 4.0	< 1.0
1,2-Dichloroethane		**0.50**	< 1.0	< 1.0	**7.1**	< 1.0	**4.5**	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	**0.88**	< 1.0	< 4.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 40	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 20	< 5.0
Acetone		**13.3**	**11.6**	**8.6**	**3.8**	**9.0**	< 40	**6.7**
Benzene		< 1.0	< 1.0	< 1.0	**0.32**	< 1.0	< 4.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 16	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	**0.28**	< 1.0	< 4.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 20	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 20	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0
Chloroform		**0.89**	< 1.0	< 1.0	**18.9**	**0.72**	**3.8**	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0
cis-1,2-Dichloroethene		**3.6**	< 1.0	< 1.0	**105**	**3.1**	**75.5**	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 8.0	< 2.0
Ethylbenzene		**0.90**	**0.98**	**0.37**	< 1.0	**0.45**	< 4.0	< 1.0
m,p-Xylene		**4.0**	**3.7**	**0.74**	**0.54**	**1.6**	< 4.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 20	< 5.0
o-Xylene		**1.6**	**1.6**	**0.39**	**0.25**	**0.84**	< 4.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 20	< 5.0
Tetrachloroethene		**0.53**	< 1.0	< 1.0	**0.70**	< 1.0	< 4.0	< 1.0
Toluene		**0.47**	**0.64**	**0.41**	**0.24**	**0.92**	< 4.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	**0.81**	< 1.0	< 4.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0
Trichloroethene		**14.8**	**0.51**	**2.0**	**540**	**14.4**	**1870**	**0.29**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0
TVOCs		**46**	**19**	**13**	**690**	**31**	**2000**	**7.0**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-11 701-702 2/12/2015 RW-21_VP-11(701-702)	RW-21_VP-11 711-712 2/18/2015 RW-21_VP-11(711-712)	RW-21_VP-11 742-743 3/11/2015 RW-21_VP-11(742-743)	RW-21_VP-11 752-753 3/11/2015 RW-21_VP-11(752-753)	RW-21_VP-11 762-764 3/11/2015 RW-21_VP-11(762-764)	RW-21_VP-11 767-768 3/12/2015 RW-21_VP-11(767-768)	RW-21_VP-11 771-772 3/12/2015 RW-21_VP-11(771-772)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	**6.3**	< 5.0	**1.7**	< 5.0	< 5.0	< 5.0
Acetone		**8.8**	**6.0**	< 10	**8.2**	**2.7**	**6.2**	**4.1**
Benzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	**0.22**	< 2.0	**0.23**
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	**0.22**	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		**0.36**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		**0.70**	< 1.0	< 1.0	**0.67**	< 1.0	**0.38**	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		**0.48**	< 1.0	< 1.0	**0.43**	< 1.0	**0.26**	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.92**	< 1.0	**0.44**	**0.66**	**0.39**	**0.66**	**0.29**
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**4.2**	**1.1**	< 1.0	**0.64**	< 1.0	< 1.0	< 1.0
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**15**	**13**	**0.44**	**13**	**3.3**	**7.5**	**4.6**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-11 771-772 3/12/2015 REP031215SL	RW-21_VP-11 777-778 3/12/2015 RW-21_VP-11(777-778)	RW-21_VP-11 781-782 3/12/2015 RW-21_VP-11(781-782)	RW-21_VP-11 796-797 3/12/2015 RW-21_VP-11 (796-797)	RW-21_VP-11 806-807 3/13/2015 RW-21_VP-11 (806-807)	RW-21_VP-11 812-813 3/16/2015 RW-21_VP-11(812-813)	RW-21_VP-11 817-818 3/16/2015 RW-21_VP-11(817-818)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		**4.3**	**8.6**	**15.8**	< 10	**9.5**	**7.5**	**4.9**
Benzene		< 1.0	**0.23**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		**0.37**	< 2.0	< 2.0	< 2.0	< 2.0	**0.34**	**0.23**
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	**0.21**	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	**0.53**	< 1.0	< 1.0	**0.44**	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		**0.21**	**0.37**	**0.28**	< 1.0	**0.20**	< 1.0	< 1.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		**0.49**	**0.84**	**0.52**	< 1.0	**0.32**	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	**0.47**	**0.53**	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**5.4**	**11**	**17**	**0.0**	**11**	**7.8**	**5.1**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-12 300-301 10/6/2015 RW-21_VP-12(300-301)	RW-21_VP-12 320-321 10/6/2015 RW-21_VP-12(320-321)	RW-21_VP-12 340-341 10/6/2015 RW-21_VP-12(340-341)	RW-21_VP-12 340-341 10/6/2015 REP100615AM1	RW-21_VP-12 360-361 10/6/2015 RW-21_VP-12(360-361)	RW-21_VP-12 380-381 10/7/2015 RW-21_VP-12 (380-381)	RW-21_VP-12 400-401 10/7/2015 RW-21_VP-12 (400-401)
1,1,1-Trichloroethane		**0.38 J**	< 1.0	**0.30 J**	**0.36 J**	**0.43 J**	**0.94 J**	**0.98 J**
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**0.69 J**	**0.22 J**	**0.41 J**	**0.43 J**	**0.66 J**	**2.1**	**2.1**
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.87 J**	**0.73 J**
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	**3.9 J**	< 10	< 10	< 10	**4.8 J**	< 10
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.25 J**	**0.20 J**	**0.24 J**	**0.31 J**	**0.43 J**	**0.78 J**	**0.59 J**
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		**0.41 J**	**0.52 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**0.65 J**	< 1.0	**2.2**	**2.8**	**7.5**	**19.3**	**24.8**
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**2.4**	**4.8**	**3.2**	**3.9**	**9.0**	**29**	**29**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-12 420-421 10/7/2015 RW-21_VP-12 (420-421)	RW-21_VP-12 440-441 10/7/2015 RW-21_VP-12 (440-441)	RW-21_VP-12 461-462 10/8/2015 RW-21_VP12(461-462)	RW-21_VP-12 481-482 10/8/2015 RW-21_VP12(481-482)	RW-21_VP-12 500-501 10/12/2015 RW_21-VP-12(500-501)	RW-21_VP-12 525-526 10/12/2015 RW_21-VP-12(525-526)	RW-21_VP-12 540-541 10/12/2015 RW_21-VP-12(540-541)
1,1,1-Trichloroethane		**1.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		**7.6**	< 1.0	**0.73 J**	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		**2.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		**1.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	**4.8 J**	< 10	< 10	**5.1 J**	**9.0 J**	< 10
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		**0.88 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	**0.75 J**	**0.62 J**	**1.8**	< 1.0	< 1.0
cis-1,2-Dichloroethene		**9.3**	< 1.0	**0.36 J**	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.28 J**	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**72.9**	**1.1**	**4.0**	**0.28 J**	< 1.0	< 1.0	< 1.0
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**96**	**5.9**	**5.8**	**0.9**	**6.9**	**9.3**	**0.0**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-12 560-561 10/13/2015 RW_21-VP-12(560-561)	RW-21_VP-12 580-581 10/13/2015 RW_21-VP-12(580-581)	RW-21_VP-12 600-601 10/13/2015 RW_21-VP-12(600-601)	RW-21_VP-12 620-621 10/13/2015 RW_21-VP-12(620-621)	RW-21_VP-12 640-641 10/13/2015 RW_21-VP-12(640-641)	RW-21_VP-12 660-661 10/14/2015 RW_21-VP-12 (660-661)	RW-21_VP-12 680-681 10/14/2015 RW_21-VP-12 (680-681)
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone		< 10	< 10	**6.4 J**	**6.5 J**	< 10	**4.2 J**	**8.2 J**
Benzene		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Disulfide		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CFC-12		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodibromomethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorodifluoromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichloromethane		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m,p-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0	**0.30 J**	**0.17 J**	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene		**0.38 J**	< 1.0	< 1.0	**0.33 J**	**0.37 J**	< 1.0	< 1.0
Vinyl chloride		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs		**0.38**	**0.0**	**6.4**	**7.1**	**0.54**	**4.2**	**8.2**

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Table 2. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Vertical Profile Borings, Pre-Design Sampling for the Groundwater Hotspot, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date: / Sample ID:	RW-21_VP-12 / 700-701 / 10/14/2015 / RW_21-VP-12 (700-701)
1,1,1-Trichloroethane		< 1.0
1,1,2,2-Tetrachloroethane		< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 5.0
1,1,2-Trichloroethane		< 1.0
1,1-Dichloroethane		< 1.0
1,1-Dichloroethene		< 1.0
1,2-Dichloroethane		< 1.0
1,2-Dichloropropane		< 1.0
2-Butanone (MEK)		< 10
4-Methyl-2-Pentanone		< 5.0
Acetone		**6.5 J**
Benzene		< 0.50
Bromodichloromethane		< 1.0
Bromoform		< 1.0
Bromomethane		< 2.0
Carbon Disulfide		< 2.0
Carbon Tetrachloride		< 1.0
CFC-12		< 2.0
Chlorobenzene		< 1.0
Chlorodibromomethane		< 1.0
Chlorodifluoromethane		< 5.0
Chloroethane		< 1.0
Chloroform		< 1.0
Chloromethane		< 1.0
cis-1,2-Dichloroethene		< 1.0
cis-1,3-Dichloropropene		< 1.0
Dichloromethane		< 2.0
Ethylbenzene		< 1.0
m,p-Xylene		< 1.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0
o-Xylene		< 1.0
Styrene (Monomer)		< 1.0
Tetrachloroethene		< 1.0
Toluene		< 1.0
trans-1,2-Dichloroethene		< 1.0
trans-1,3-Dichloropropene		< 1.0
Trichloroethene		< 1.0
Vinyl chloride		< 1.0
TVOCs		**6.5**

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