Steven Scharf

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CC: "Fly, Lora B CIV NAVFAC MIDLANT, IPTNE" <lora.fly@navy.mil>, Steven Scharf <sxscharf@gw.dec.state.ny.us>
Attachments: Comprehensive Data Rpt_Tables.xlsx; FIG 1-Well Location Sampling May_August 2013-R1-1 GRAY.PDF; Comprehensive Sampling Plan 9-24-13.pdf

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At the request of Steve Scharf, NYSDEC, I am forwarding you the data and figures for the completed regional comprehensive groundwater sampling event undertaken by Northrop Grumman and the U.S. Navy.

Please inform Judith Enck of this projects completion.

A total of 162 wells were identified for testing. Due to well conditions and/or technical complications discovered while in the field 19 of those well were not sampled resulting in sampling data for 143 off-site and on-site wells (See figure 1).

Once you have completed your reviews, we can coordinate a follow up discussions.

In the interim please call or email me if you have any questions or require any additional information.
Thank You
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Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Wells Sampled by Northrop Grumman

Well ID:	B24MW-2	B24MW-3	B30MW-1	BCPMW-1	BCPMW-2	BCPMW-3
Sample ID:	B24MW-2	B24MW-3	B30MW-1	BCPMW-1	BCPMW-2	BCPMW-3
Sample Date:	6/13/2013	6/13/2013	6/14/2013	6/13/2013	6/13/2013	6/13/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	**0.22 J**	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	**0.85 J**	**1.7 J**
1,1-Dichloroethene	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	**0.56 J**
2-Butanone	< 50 J	< 50 J	< 50	< 50	< 50	< 50
2-Hexanone	< 50 J	< 50 J	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50 J	< 50 J	< 50	< 50	< 50	< 50
Acetone	< 50 J	< 50 J	< 50	< 50	< 50	**1.4 J**
Benzene	< 0.70 J	< 0.70 J	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	**0.21 J**	**1.3 J**	< 5.0	**0.50 J**	**0.36 J**	**2.1 J**
Chloromethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	**0.23 J**	< 5.0 J	< 5.0	**4.8 J**	**39**	**1.0 J**
cis-1,3-Dichloropropene	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	**38**
Methyl-Tert-Butylether	**0.21 J**	< 5.0 J	< 5.0	**0.23 J**	< 5.0	< 5.0
Methylene Chloride	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0 J	< 5.0 J	< 5.0	**0.34 J**	**0.85 J**	< 5.0
Toluene	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	**150**
trans-1,2-Dichloroethene	< 5.0 J	< 5.0 J	< 5.0	**0.23 J**	**0.23 J**	< 5.0
trans-1,3-Dichloropropene	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	**4.3 J**	**0.44 J**	< 5.0	**90**	**38**	< 5.0
CFC-11	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0 J	< 2.0 J	< 2.0	< 2.0	< 2.0	**180**
o-Xylene	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	**6.7**
m,p-Xylene	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	**16**
TVOCss	**5.0**	**1.7**	0	**96**	**80**	**400**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID: BCPMW-4-1	BCPMW-4-2	BCPMW-4-3	BCPMW-4-3	BCPMW-5-1	BCPMW-6-1
	Sample ID: BCPMW-4-1	BCPMW-4-2	BCPMW-4-3 (REP)	BCPMW-4-3	BCPMW-5-1	BCPMW-6-1
	Sample Date: 6/5/2013	6/5/2013	6/5/2013	6/5/2013	6/21/2013	6/7/2013
1,1,1-Trichloroethane	**5.1**	**0.22 J**	< 5.0	< 5.0	< 13	< 13
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
1,1,2-Trichloroethane	**0.24 J**	< 5.0	< 5.0	< 5.0	< 13	< 13
1,1-Dichloroethane	**7.4**	**1.5 J**	< 5.0	< 5.0	**2.0 J**	< 13
1,1-Dichloroethene	**4.1 J**	**0.49 J**	< 5.0	< 5.0	**0.58 J**	< 13
1,2-Dichloroethane	**0.95 J**	**0.52 J**	< 5.0	< 5.0	< 13	< 13
1,2-Dichloropropane	**0.95 J**	< 5.0	< 5.0	< 5.0	< 13	< 13
2-Butanone	< 50	< 50	< 50	< 50	< 130	< 130
2-Hexanone	< 50	< 50	< 50	< 50	< 130	< 130
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 130	< 130
Acetone	< 50	**1.8 J**	< 50	< 50	< 130	< 130
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 1.8	< 1.8
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Chlorodifluoromethane (Freon 22)	**1.1 J**	< 5.0	< 5.0	< 5.0	< 13	**400**
Chloroethane	**0.46 J**	< 5.0	< 5.0	< 5.0	< 13	< 13
Chloroform	< 5.0	**3.3 J**	**0.97 J**	**1.1 J**	**0.88 J**	< 13
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
cis-1,2-Dichloroethene	**310 D**	**47**	< 5.0	< 5.0	**350**	< 13
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	**98**	< 13
Methyl-Tert-Butylether	< 5.0	**0.26 J**	< 5.0	< 5.0	< 13	< 13
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Tetrachloroethene	**0.37 J**	**0.63 J**	< 5.0	< 5.0	< 13	< 13
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	**130**	< 13
trans-1,2-Dichloroethene	**0.78 J**	**0.40 J**	< 5.0	< 5.0	**0.58 J**	< 13
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Trichloroethene	**16**	**56**	**0.34 J**	**0.39 J**	**4.6 J**	< 13
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 13
Vinyl Chloride	**47**	**9.7**	< 2.0	< 2.0	**43**	< 5.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	**27**	< 13
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	**110**	< 13
TVOCs	**390**	**120**	**1.3**	**1.5**	**770**	**400**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	BCPMW-6-2	BCPMW-7-1	BPOW 1-1	BPOW 1-2	BPOW 1-3	BPOW 1-4
Sample ID:	BCPMW-6-2	BCPMW-7-1	BPOW 1-1	BPOW 1-2	BPOW 1-3	BPOW 1-4
Sample Date:	6/5/2013	6/7/2013	5/14/2013	5/14/2013	5/14/2013	5/16/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	**0.26 J**	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	**0.31 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0 J	< 5.0	< 5.0	**0.23 J**	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70 J	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	**2.5 J**	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	**0.93 J**	**0.29 J**	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	**0.36 J**	**0.22 J**	**0.75 J**	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	**1.3 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0 J	< 5.0	**0.82 J**	**0.33 J**	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	**2.9**	**3.0**	**1.6**	**0.82**	0	**0.0**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	BPOW 1-5	BPOW 1-6	BPOW 2-1	BPOW 2-3	BPOW 3-1	BPOW 3-2
Sample ID:	BPOW 1-5	BPOW 1-6	BPOW 2-1	BPOW 2-3	BPOW 3-1	BPOW 3-2
Sample Date:	5/16/2013	5/16/2013	5/15/2013	5/15/2013	5/20/2013	5/20/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J	< 5.0 J
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	**0.30 J**	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	0	0	**0.3**	0	0

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID: BPOW 3-3 / Sample ID: BPOW 3-3 / Sample Date: 5/21/2013	BPOW 3-4 / BPOW 3-4 / 5/21/2013	BPOW 4-1 / BPOW 4-1 / 5/22/2013	BPOW 4-2 / BPOW 4-2 / 5/22/2013	BPOW 5-1 / BPOW 5-1 / 6/24/2013	BPOW 5-2 / BPOW 5-2 / 6/24/2013
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	**0.51 J**	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	**0.21 J**	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0 J	< 5.0 J	< 5.0 J	< 5.0 J	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	**0.81 J**	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	**0.46 J**	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	**0.83 J**	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	**0.65 J**	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	**0.34 J**	**0.56 J**	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	**53**	< 5.0	**0.30 J**	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	**3.8 J**	**1.5 J**	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	**0.34**	**56**	**4.5**	**1.8**	0	0

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	BPOW 5-3	FW-03	GM-13D	GM-15D	GM-15D2	GM-15I
	Sample ID:	BPOW 5-3	FW-03	GM-13D	GM-15D	GM-15D2	GM-15I (REP)
	Sample Date:	6/26/2013	6/10/2013	6/17/2013	5/24/2013	5/24/2013	5/24/2013
1,1,1-Trichloroethane		< 5.0	< 5.0	**2.5 J**	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane		< 5.0	< 5.0	**6.5**	< 5.0	**0.24 J**	< 5.0
1,1-Dichloroethene		< 5.0	< 5.0	**10**	< 5.0	**1.1 J**	< 5.0
1,2-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone		< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone		< 50	< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50	< 50
Benzene		< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane		< 5.0 J	< 5.0	< 5.0	< 5.0 J	< 5.0	< 5.0
Carbon Disulfide		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		< 5.0	< 5.0	**1.3 J**	< 5.0	**0.64 J**	< 5.0
Chloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform		< 5.0	< 5.0	**0.35 J**	**0.28 J**	**0.31 J**	< 5.0
Chloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene		< 5.0	< 5.0	**22**	< 5.0	**0.28 J**	< 5.0
cis-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether		< 5.0	< 5.0	< 5.0	**1.5 J**	< 5.0	< 5.0
Methylene Chloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 5.0	**50**	**180**	**0.30 J**	**7.3**	**0.34 J**
Toluene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene		< 5.0	**3.5 J**	**72**	**0.36 J**	**11**	< 5.0
CFC-11		< 5.0	< 5.0	**0.86 J**	< 5.0	**0.59 J**	< 5.0
Trichlorotrifluoroethane (Freon 113)		< 5.0	< 5.0	**2.9 J**	< 5.0	**1.1 J**	< 5.0
Vinyl Chloride		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0		**54**	**300**	**2.4**	**23**	**0.34**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	GM-15I	GM-15SR	GM-17D	GM-17I	GM-18D	GM-18I
	Sample ID:	GM-15I	GM-15SR	GM-17D	GM-17I	GM-18D	GM-18I
	Sample Date:	5/24/2013	5/24/2013	6/11/2013	6/11/2013	6/10/2013	6/12/2013
1,1,1-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone		< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone		< 50	< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50	< 50
Benzene		< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		**0.31 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene		< 5.0	**1.9 J**	**0.34 J**	**0.86 J**	**0.92 J**	< 5.0
CFC-11		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs		**0.31**	**1.9**	**0.34**	**0.86**	**0.92**	0

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Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	GM-20D	GM-20I	GM-21D	GM-21I	GM-21S	GM-33D2
	Sample ID:	GM-20D	GM-20I	GM-21D	GM-21I	GM-21S	GM-33D2
	Sample Date:	6/12/2013	6/12/2013	5/29/2013	5/29/2013	5/29/2013	6/18/2013
1,1,1-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene		< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone		< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone		< 50	< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50	< 50
Benzene		< 0.70 J	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.30 J**
cis-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**4.7 J**
Toluene		< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene		**0.32 J**	**0.34 J**	**1.8 J**	**0.31 J**	**0.34 J**	**27**
CFC-11		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**5.6**
Vinyl Chloride		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs		**0.32**	**0.34**	**1.8**	**0.31**	**0.34**	**38**

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Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	GM-34D	GM-34D2	GM-35D2	GM-36D	GM-36D2	GM-37D
	Sample ID:	GM-34D	GM-34D2	GM-35D2	GM-36D	GM-36D2	GM-37D
	Sample Date:	6/17/2013	6/17/2013	5/23/2013	8/12/2013	8/13/2013	6/10/2013
1,1,1-Trichloroethane		< 10	< 5.0	< 5.0	< 5.0	**0.35J**	< 5.0
1,1,2,2-Tetrachloroethane		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 10	**0.21 J**	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane		**0.88 J**	**0.34 J**	< 5.0	< 5.0	**0.69J**	**0.39 J**
1,1-Dichloroethene		**4.0 J**	**1.4 J**	< 5.0	< 5.0	**0.59 J**	< 5.0
1,2-Dichloroethane		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone		< 100	< 50	< 10	< 50	< 50	< 50
2-Hexanone		< 100	< 50	< 10	< 50	< 50	< 50
4-Methyl-2-Pentanone		< 100	< 50	< 10	< 50	< 50	< 50
Acetone		< 100	< 50	< 10	< 50	< 50	< 50
Benzene		< 1.4	< 0.70	< 5.0	< 0.70	< 0.70	< 0.70
Bromodichloromethane		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide		< 10	< 5.0	< 10	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		< 10	**0.26 J**	< 5.0 J	< 5.0	< 5.0	< 5.0
Chloroethane		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform		**0.44 J**	**0.22 J**	< 5.0	< 5.0	**0.24 J**	< 5.0
Chloromethane		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene		**8.4 J**	**3.6 J**	**0.48 J**	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12		< 10	**0.24 J**	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether		< 10	< 5.0	< 5.0	**0.27 J**	< 5.0	**0.72 J**
Methylene Chloride		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		**5.4 J**	**9.3**	**7.7**	< 5.0	< 5.0	**0.28 J**
Toluene		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 10	**0.38 J**	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene		**330**	**180 D**	**100**	< 5.0	**1.7 J**	< 5.0
CFC-11		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)		**6.8 J**	**1.5 J**	**1.5 J**	< 5.0	< 5.0	< 5.0
Vinyl Chloride		< 4.0	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0
o-Xylene		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene		< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs		**360**	**200**	**110**	**0.27**	**3.6**	**1.4**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	GM-37D2	GM-38D	GM-38D2	GM-39DA	GM-39DB	GM-70D2
Sample ID:	GM-37D2	GM-38D	GM-38D2	GM-39DA	GM-39DB	GM-70D2
Sample Date:	6/5/2013	6/13/2013	6/13/2013	6/14/2013	6/14/2013	6/13/2013
Constituent in ug/L						
1,1,1-Trichloroethane	**0.71J**	**1.0 J**	**0.78 J**	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	**2.0 J**	**1.5 J**	**4.2 J**	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	**0.83J**	**2.5 J**	**1.1 J**	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	**2.3 J**	**0.65 J**	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 130	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 130	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 130	< 50	< 50	< 50	< 50
Acetone	< 50	< 130	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 1.8	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	**0.29 J**	**0.93 J**	**1.9 J**	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	**0.23 J**	**1.7 J**	**2.0 J**	< 5.0	**0.43 J**	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	**0.22 J**	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	**0.45J**	**11 J**	< 5.0	< 5.0	**0.49 J**	**3.1 J**
Toluene	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	**1.6 J**	**410**	**29**	**2.8 J**	**80**	**12**
CFC-11	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	**2.5 J**	**0.38 J**	< 5.0	< 5.0	**0.29 J**
Vinyl Chloride	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	**6.3**	**430**	**40**	**2.8**	**81**	**15**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	GM-71D2	GM-73D	GM-73D2	GM-73D3	GM-74D	GM-74D2
	Sample ID:	GM-71D2	GM-73D	GM-73D2	GM-73D3	GM-74D	GM-74D2
	Sample Date:	6/5/2013	5/23/2013	5/23/2013	6/24/2013	5/23/2013	5/23/2013
1,1,1-Trichloroethane		**1.7 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane		**6.2**	< 5.0	**0.62 J**	< 5.0	< 5.0	**0.52 J**
1,1-Dichloroethene		**2.9 J**	< 5.0	**0.86 J**	< 5.0	< 5.0	**0.88 J**
1,2-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone		< 50	< 10	< 10	< 50	< 10	< 10
2-Hexanone		< 50	< 10	< 10	< 50	< 10	< 10
4-Methyl-2-Pentanone		< 50	< 10	< 10	< 50	< 10	< 10
Acetone		< 50	< 10	< 10	**1.7 J**	< 10	< 10
Benzene		< 0.70	< 5.0	< 5.0	< 0.70	< 5.0	< 5.0
Bromodichloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane		< 5.0	< 5.0	< 5.0	< 5.0	**0.29 BJ**	**0.29 BJ**
Carbon Disulfide		< 5.0	< 10	< 10	< 5.0	< 10	< 10
Carbon Tetrachloride		**0.26 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		< 5.0	< 5.0 J	< 5.0 J	< 5.0	< 5.0 J	**0.50 J**
Chloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform		**0.63 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene		**0.67 J**	< 5.0	**0.42 J**	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 5.0	< 5.0	**1.4 J**	**0.49 J**	< 5.0	**5.3**
Toluene		< 5.0	< 5.0	< 5.0	**0.23 J**	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene		**8**	**23**	**44**	**1.1 J**	**1.6 J**	**8.2**
CFC-11		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.27 J**
Trichlorotrifluoroethane (Freon 113)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.73 J**
Vinyl Chloride		< 2.0	< 5.0	< 5.0	< 2.0	< 5.0	< 5.0
o-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs		**20**	**23**	**47**	**3.5**	**1.9**	**17**

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Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	GM-74D3	GM-74I	GM-75D2	GM-75D2	GM-78I	GM-78S
	Sample ID:	GM-74D3	GM-74I	GM-75D2 (REP)	GM-75D2	GM-78I	GM-78S
	Sample Date:	6/26/2013	5/23/2013	6/12/2013	6/12/2013	5/29/2013	5/29/2013
1,1,1-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene		**0.31 J**	< 5.0	**0.39 J**	**0.46 J**	< 5.0	< 5.0
1,2-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone		< 50	< 10	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 10	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone		< 50	< 10	< 50	< 50	< 50	< 50
Acetone		< 50	< 10	< 50	< 50	< 50	< 50
Benzene		< 0.70	< 5.0	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane		< 5.0	**0.35 BJ**	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide		< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		< 5.0	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene		**0.30 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		**1.4 J**	< 5.0	**2.1 J**	**2.1 J**	< 5.0	< 5.0
Toluene		**0.29 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene		**3.0 J**	**0.35 J**	**38**	**39**	**0.31 J**	< 5.0
CFC-11		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)		**0.44 J**	< 5.0	**0.64 J**	**0.82 J**	< 5.0	< 5.0
Vinyl Chloride		< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs		**5.7**	**0.7**	**41**	**42**	**0.31**	0

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Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	GM-79D	GM-79I	HN-24I	HN-24S	HN-40I	HN-40S
	Sample ID:	GM-79D	GM-79I	HN-24I	HN-24S	HN-40I	HN-40S
	Sample Date:	5/28/2013	5/28/2013	6/10/2013	6/10/2013	5/28/2013	5/28/2013
1,1,1-Trichloroethane		< 5.0	< 5.0	**1.6 J**	< 5.0	**1.9 J**	< 5.0
1,1,2,2-Tetrachloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane		< 5.0	< 5.0	**2.8 J**	< 5.0	**0.23 J**	< 5.0
1,1-Dichloroethene		< 5.0	< 5.0	**9.6**	< 5.0	**0.24 J**	< 5.0
1,2-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone		< 10	< 10	< 50	< 50	< 50	< 50
2-Hexanone		< 10	< 10	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone		< 10	< 10	< 50	< 50	< 50	< 50
Acetone		< 10	< 10	< 50	**1.5 J**	< 50	< 50
Benzene		< 5.0	< 5.0	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide		< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride		< 5.0	< 5.0	**0.37 J**	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform		< 5.0	< 5.0	**1.5 J**	< 5.0	**0.26 J**	**0.21 J**
Chloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene		< 5.0	< 5.0	**1.1 J**	< 5.0	**0.76 J**	< 5.0
cis-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12		< 5.0	< 5.0	**0.85 J**	< 5.0	< 5.0	< 5.0
Ethylbenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether		< 5.0	< 5.0	**1.2 J**	< 5.0	< 5.0	< 5.0
Methylene Chloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		**0.46 J**	< 5.0	**33**	**1.3 J**	**2.1 J**	< 5.0
Toluene		**0.33 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene		**19**	**0.23 J**	**16**	**0.58 J**	**22**	< 5.0
CFC-11		< 5.0	< 5.0	**13**	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)		< 5.0	< 5.0	**0.86 J**	< 5.0	< 5.0	< 5.0
Vinyl Chloride		< 5.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs		**20**	**0.23**	**82**	**3.4**	**27**	**0.21**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	HN-42I	HN-42S	MW-3-1	MW-53D2	MW-67D	MW-67S
Sample ID:	HN-42I	HN-42S	MW-3-1	MW-53D2	MW-67D	MW-67S
Sample Date:	5/28/2013	5/28/2013	6/19/2013	6/25/2013	6/26/2013	6/26/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	**0.29 J**	< 25	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	**1.2 J**	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	**0.57 J**	< 25	**0.56 J**	**0.58 J**
1,1-Dichloroethene	< 5.0	< 5.0	**1.0 J**	**2.5 J**	**0.25 J**	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	**1.4 J**	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 250	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 250	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 250	< 50	< 50
Acetone	< 50	< 50	**1.4 J**	< 250	**3.0 J**	**2.6 J**
Benzene	< 0.70	< 0.70	**0.27 J**	< 3.5	< 0.70	**0.86**
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 25	< 5.0	**0.66 J**
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	**1.7 J**	< 5.0	**0.27 J**
Chloroethane	< 5.0	< 5.0	**1.7 J**	< 25	< 5.0	**5.8**
Chloroform	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
cis-1,2-Dichloroethene	**1.1 J**	< 5.0	**6.9**	**100**	**1.8 J**	**13**
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Methyl-Tert-Butylether	**0.38 J**	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	**7.8**	**54**	**1.7 J**	**0.52 J**
Toluene	< 5.0	< 5.0	**1.1 J**	< 25	**0.78 J**	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Trichloroethene	**3.0 J**	< 5.0	**37**	**910**	**14**	**3.6 J**
CFC-11	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	**1.1 J**	< 25	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	**78**	< 10	< 2.0	**50**
o-Xylene	< 5.0	< 5.0	< 5.0	< 25	< 5.0	**0.24 J**
m,p-Xylene	< 5.0	< 5.0	**0.26 J**	< 25	< 5.0	< 5.0
TVOCs	**4.5**	0	**140**	**1100**	**22.09**	**80**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	MW-68D	MW-68S	MW-100-1	MW-100-2	MW-100-3	MW-102-1
Sample ID:	MW-68D	MW-68S	MW-100-1	MW-100-2	MW-100-3	MW-102-1
Sample Date:	6/27/2013	6/27/2013	5/30/2013	5/30/2013	5/30/2013	5/31/2013
Constituent in ug/L						
1,1,1-Trichloroethane	**0.25 J**	< 5.0	< 5.0	< 25	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
1,1-Dichloroethane	**1.2 J**	**4.0 J**	< 5.0	**5.3 J**	**0.29 J**	**0.43 J**
1,1-Dichloroethene	**0.49 J**	**0.33 J**	< 5.0	**1.7 J**	< 5.0 J	< 5.0
1,2-Dichloroethane	< 5.0	**0.49 J**	< 5.0	< 25	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 250	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 250	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 250	< 50	< 50
Acetone	**1.6 J**	**4.8 J**	**2.0 J**	< 250	< 50	< 50
Benzene	< 0.70	**0.30 J**	< 0.70	< 3.5	< 0.70 J	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Bromomethane	< 5.0 J	< 5.0 J	< 5.0	< 25	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 25	< 5.0 J	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	**1.9 J**	**0.57 J**	< 5.0
Chloroethane	< 5.0	**2.4 J**	< 5.0	< 25	< 5.0	< 5.0
Chloroform	**0.20 J**	< 5.0	**0.51 J**	**9.7 J**	**0.85 J**	**0.73 J**
Chloromethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
cis-1,2-Dichloroethene	**3.3 J**	**18**	< 5.0	**930**	**1.2 J**	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	**0.76 J**	< 5.0	**1.9 J**	< 5.0	**0.35 J**
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Tetrachloroethene	**15**	**0.30 J**	< 5.0	**1.1 J**	**1.3 J**	**0.23 J**
Toluene	**0.83 J**	**2.2 J**	< 5.0	< 25	< 5.0 J	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	**6.1 J**	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Trichloroethene	**66**	**0.45 J**	< 5.0	**120**	**37**	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0
Vinyl Chloride	**0.26 J**	**68**	< 2.0	**18**	< 2.0	< 2.0
o-Xylene	< 5.0	**0.35 J**	< 5.0	< 25	< 5.0	< 5.0
m,p-Xylene	< 5.0	**0.47 J**	< 5.0	< 25	< 5.0	< 5.0
TVOCs	**89**	**100**	**2.5**	**1100**	**41**	**1.7**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	MW-107-1	MW-108-1	MW-109-3	MW-111-4	MW-116-5	MW-117-5
Sample ID:	MW-107-1	MW-108-1	MW-109-3	MW-111-4	MW-116-5	MW-117-5
Sample Date:	5/31/2013	6/14/2013	6/11/2013	6/11/2013	5/17/2013	6/20/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 25	< 130	**3.2 J**	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	**5.2 J**	**16 J**	< 50	**0.31 J**
1,1-Dichloroethene	< 5.0	< 5.0	**1.7 J**	**9.8 J**	**5.0 J**	**0.27 J**
1,2-Dichloroethane	< 5.0	< 5.0	**1.6 J**	**6.3 J**	**13 J**	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 25	< 130	**5.5 J**	< 5.0
2-Butanone	< 50	< 50	< 250	< 1300	< 500	< 50
2-Hexanone	< 50	< 50	< 250	< 1300	< 500	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 250	< 1300	< 500	< 50
Acetone	< 50	< 50	< 250	< 1300	< 500	< 50
Benzene	< 0.70	< 0.70	< 3.5	< 18	< 7	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Bromoform	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Bromomethane	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 25	< 130	< 50	**0.32 J**
Chlorobenzene	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	**8.2**	**1.6 J**	< 130	< 50	< 5.0
Chloroethane	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Chloroform	< 5.0	**0.45 J**	**4.0 J**	< 130	**20 J**	**0.31 J**
Chloromethane	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
cis-1,2-Dichloroethene	**0.24 J**	< 5.0	**390**	**1300**	**270**	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
CFC-12	< 5.0	< 5.0	**1.7 J**	< 130	< 50	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Tetrachloroethene	< 5.0	< 5.0	**2.7 J**	**9.8 J**	< 50	**0.27 J**
Toluene	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	**1.7 J**	**5.5 J**	**4.1 J**	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Trichloroethene	**2.4 J**	< 5.0	**610**	**2800**	**1900**	**5.1**
CFC-11	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 25	< 130	< 50	**0.42 J**
Vinyl Chloride	< 2.0	< 2.0	< 10	< 50	< 50	< 2.0
o-Xylene	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 25	< 130	< 50	< 5.0
TVOCs	**2.6**	**8.7**	**1000**	**4100**	**2200**	**7**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	MW-118-5	MW-200-1	MW-201-1	MW-202-1	MW-203-1	MW-203-1
	Sample ID:	MW-118-5	MW-200-1	MW-201-1	MW-202-1	MW-203-1 (REP)	MW-203-1
	Sample Date:	6/28/2013	5/31/2013	5/31/2013	5/30/2013	5/31/2013	5/31/2013
1,1,1-Trichloroethane		< 5.0	< 5.0	< 5.0	**0.93 J**	< 5.0	**0.25 J**
1,1,2,2-Tetrachloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane		< 5.0	< 5.0	< 5.0	**3.0 J**	**0.98 J**	**1.1 J**
1,1-Dichloroethene		< 5.0	< 5.0	< 5.0	**2.3 J**	**0.47 J**	**0.46 J**
1,2-Dichloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone		< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone		< 50	< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50	< 50
Benzene		< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		< 5.0	< 5.0	< 5.0	< 5.0	**3.5 J**	**3.2 J**
Chloroethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform		< 5.0	< 5.0	**0.49 J**	< 5.0	**0.28 J**	**0.27 J**
Chloromethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene		< 5.0	**0.41 J**	**7.9**	**0.63 J**	**0.39 J**	**0.24 J**
cis-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether		< 5.0	< 5.0	< 5.0	< 5.0	**0.24 J**	**0.24 J**
Methylene Chloride		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene		< 5.0	< 5.0	< 5.0	**2.8 J**	**0.93 J**	**1.1 J**
Toluene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene		**0.33 J**	**1.3 J**	**13**	**1.6 J**	**2.5 J**	**2.7 J**
CFC-11		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)		< 5.0	< 5.0	< 5.0	**1.4 J**	**1.1 J**	**1.4 J**
Vinyl Chloride		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs		**0.33**	**1.7**	**21**	**13**	**10**	**11**

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Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID: N-10624	N-10627	N-10631	RW-01	RW-02	RW-03	RW-04
	Sample ID: N-10624	N-10627	N-10631	RW-01	RW-02	RW-03	RW-04
	Sample Date: 6/12/2013	6/21/2013	6/21/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	**0.36 J**	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	**1.7 J**	**0.23 J**	**0.49 J**
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	**0.89 J**	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	**2.1 J**	**1.8 J**	< 50	**2.0 J**	**1.7 J**	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**100**	**110**
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	**2.0 J**	**3.9 J**	**0.35 J**
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	**0.40 J**	**180**	**8.0**	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	**5.2**	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.28 J**
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	**0.28 J**	**0.34 J**	**0.98 J**
Toluene	< 5.0	< 5.0 B	< 5.0	< 5.0	**160**	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	**0.36 J**	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	**0.61 J**	**0.78 J**	**0.81 J**	**16**	**4.3 J**	**0.72 J**
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.30 J**
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	**110**	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	**4.8 J**	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	**9.3**	< 5.0	< 5.0
TVOCs	**2.1**	**2.4**	**0.78**	**3.2**	**490**	**120**	**110**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	TT-101D	TT-101D	TT101D1	TT-101D2	TT102D1	TT102D2
	Sample ID:	TT-101D (REP)	TT-101D	TT101D1	TT-101D2	TT102D1	TT102D2
	Sample Date:	6/26/2013	6/26/2013	6/27/2013	6/26/2013	6/27/2013	6/27/2013
1,1,1-Trichloroethane		**0.35 J**	**0.40 J**	**0.65J**	< 10	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
1,1,2-Trichloroethane		**0.21 J**	**0.23 J**	**0.45J**	< 10	< 5.0	< 5.0
1,1-Dichloroethane		**0.77 J**	**0.80 J**	**0.58J**	< 10	< 5.0	< 5.0
1,1-Dichloroethene		**3.0 J**	**2.9 J**	**3.1J**	**2.1 J**	< 5.0	< 5.0
1,2-Dichloroethane		**0.23 J**	< 5.0	< 5.0	< 10	< 5.0	< 5.0
1,2-Dichloropropane		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
2-Butanone		< 50	< 50	< 50	< 100	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 100	< 50	< 50
4-Methyl-2-Pentanone		< 50	< 50	< 50	< 100	< 50	< 50
Acetone		< 50	< 50	< 50	< 100	< 50	< 50
Benzene		< 0.70	< 0.70	< 0.70	< 1.4	< 0.70	< 0.70
Bromodichloromethane		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Bromoform		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Bromomethane		< 5.0 J	< 5.0 J	< 5.0 J	< 10 J	< 5.0 J	< 5.0 J
Carbon Disulfide		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Carbon Tetrachloride		< 5.0	< 5.0	**1.7J**	**1.1 J**	< 5.0	< 5.0
Chlorobenzene		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		**0.63 J**	**0.67 J**	**0.84J**	< 10	< 5.0	< 5.0
Chloroethane		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Chloroform		**0.51 J**	**0.43 J**	**0.91J**	**0.56 J**	< 5.0	< 5.0
Chloromethane		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
cis-1,2-Dichloroethene		**2.7 J**	**2.7 J**	**1.7J**	**1.6 J**	< 5.0	< 5.0
cis-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Chlorodibromomethane		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
CFC-12		**1.6 J**	**1.7 J**	**2.2J**	< 10	< 5.0	< 5.0
Ethylbenzene		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Methyl-Tert-Butylether		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Methylene Chloride		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Styrene (Monomer)		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Tetrachloroethene		**0.68 J**	**0.64 J**	**0.45J**	**0.80 J**	< 5.0	< 5.0
Toluene		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Trichloroethene		**70**	**73**	**160**	**460 D**	< 5.0	**0.54J**
CFC-11		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)		**11**	**12**	**12**	**11**	< 5.0	< 5.0
Vinyl Chloride		< 2.0	< 2.0	< 2.0	< 4.0	< 2.0	< 2.0
o-Xylene		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
m,p-Xylene		< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0
TVOCs		**92**	**95**	**180**	**480**	0	**0.54**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	Well 1	Well 3	Well 17	Well 18	Well 19	Well 19
	Sample ID:	Well 1	Well 3	Well 17	Well 18	Well 19 (REP)	Well 19
	Sample Date:	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013
1,1,1-Trichloroethane		< 13	< 50	**0.52 J**	**0.76 J**	**0.50 J**	**0.45 J**
1,1,2,2-Tetrachloroethane		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane		< 13	< 50	< 10	< 5.0	< 5.0	**0.21 J**
1,1-Dichloroethane		**0.68 J**	< 50	**1.3 J**	**1.1 J**	**0.87 J**	**0.84 J**
1,1-Dichloroethene		**2.2 J**	**8.7 J**	**2.3 J**	**3.0 J**	**1.6 J**	**1.6 J**
1,2-Dichloroethane		< 13	< 50	< 10	< 5.0	**0.47 J**	**0.47 J**
1,2-Dichloropropane		**5.9 J**	< 50	< 10	< 5.0	< 5.0	< 5.0
2-Butanone		< 130	< 500	< 100	< 50	< 50	< 50
2-Hexanone		< 130	< 500	< 100	< 50	< 50	< 50
4-Methyl-2-Pentanone		< 130	< 500	< 100	< 50	< 50	< 50
Acetone		< 130	< 500	< 100	< 50	< 50	< 50
Benzene		< 1.8	< 7.0	< 1.4	< 0.70	< 0.70	< 0.70
Bromodichloromethane		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Bromoform		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Bromomethane		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Carbon Disulfide		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Chlorobenzene		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)		< 13	< 50	< 10	**0.33 J**	**0.41 J**	**0.36 J**
Chloroethane		< 13	**4.0 J**	< 10	< 5.0	< 5.0	< 5.0
Chloroform		< 13	< 50	**0.48 J**	**0.26 J**	**0.50 J**	**0.51 J**
Chloromethane		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene		**3.9 J**	**8.3 J**	**4.5 J**	**1.7 J**	**23**	**24**
cis-1,3-Dichloropropene		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Chlorodibromomethane		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
CFC-12		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Ethylbenzene		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Methylene Chloride		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Styrene (Monomer)		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Tetrachloroethene		**48**	**54**	**30**	**12**	**6.9**	**6.5**
Toluene		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
Trichloroethene		**380**	**1400**	**190**	**60**	**190**	**180**
CFC-11		< 13	< 50	< 10	**0.22 J**	**0.25 J**	**0.24 J**
Trichlorotrifluoroethane (Freon 113)		**3.1 J**	**6.3 J**	**4.0 J**	**1.5 J**	**0.90 J**	**0.96 J**
Vinyl Chloride		< 5.0	**60**	< 4.0	< 2.0	< 2.0	< 2.0
o-Xylene		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
m,p-Xylene		< 13	< 50	< 10	< 5.0	< 5.0	< 5.0
TVOCs		**440**	**1500**	**230**	**81**	**230**	**220**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Wells Sampled by Navy

Well ID:	BPS1-TT-MW303I1	BPS1-TT-MW303I1(REP)	BPS1-TT-MW305D	BPS1-TT-MW305I
Sample ID:	MW303I1-GW-061813	DUP1-GW-061813	MW305D-GW-061813	MW305I-GW-061813
Sample Date:	6/18/2013	6/18/2013	6/18/2013	6/18/2013
Constituent in ug/L				
Benzene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Bromobenzene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Bromochloromethane (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Bromodichloromethane (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Bromoform (µg/L)	< 0.25J	<0.25J	< 0.25J	< 0.25J
Bromomethane (µg/L)	< 0.50	<0.50J	< 0.50	< 0.50
n-Butylbenzene (µg/L)	< 0.25	<0.25J	< 0.25	< 0.25
sec-Butylbenzene (µg/L)	< 0.25	<0.25J	< 0.25	< 0.25
tert-Butylbenzene (µg/L)	< 0.25	<0.25J	< 0.25	< 0.25
Chlorobenzene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Chloroethane (µg/L)	< 0.50	<0.50	< 0.50	< 0.50
Chloroform (µg/L)	< 0.25	<0.25	< 0.25	**0.37 J**
Chloromethane (µg/L)	< 0.50	<0.50	< 0.50	< 0.50
o-Chlorotoluene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
p-Chlorotoluene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Carbon tetrachloride (µg/L)	< 0.25	<0.25	< 0.25	**0.74**
1,1-Dichloroethane (µg/L)	**0.48 J**	<0.25	**0.64**	**6.3**
1,1-Dichloroethylene (µg/L)	**0.57**	<0.25	**1.2**	**2.5**
1,1-Dichloropropene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
1,2-Dibromo-3-chloropropane (µg/L)	< 0.50J	<0.50J	< 0.50J	< 0.50J
1,2-Dibromoethane (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
1,2-Dichloroethane (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
1,2-Dichloropropane (µg/L)	< 0.25	<0.25	**3.0**	**32.7**
1,3-Dichloropropane (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
2,2-Dichloropropane (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Dibromochloromethane (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Dibromomethane (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Dichlorodifluoromethane (µg/L)	< 0.50	<0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
m-Dichlorobenzene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
o-Dichlorobenzene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
p-Dichlorobenzene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
trans-1,2-Dichloroethylene (µg/L)	< 0.50	<0.50	< 0.50	< 0.50
cis-1,2-Dichloroethylene (µg/L)	**0.62**	<0.25	**0.57**	**12.0**
trans-1,3-Dichloropropene (µg/L)	< 0.25	<0.25	< 0.25	< 0.25
Ethylbenzene (µg/L)	< 0.25	<0.25	< 0.25J	< 0.25

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Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	BPS1-TT-MW303I1	BPS1-TT-MW303I1(REP)	BPS1-TT-MW305D	BPS1-TT-MW305I
	Sample ID:	MW303I1-GW-061813	DUP1-GW-061813	MW305D-GW-061813	MW305I-GW-061813
	Sample Date:	6/18/2013	6/18/2013	6/18/2013	6/18/2013
Hexachlorobutadiene (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
Isopropylbenzene (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
p-Isopropyltoluene (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
Methylene chloride (µg/L)		< 0.25J	<0.25J	< 0.25J	< 0.25J
Methyl Tert Butyl Ether (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
Napthalene (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
n-Propylbenzene (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
Styrene (µg/L)		< 0.25	<0.25	< 0.25J	< 0.25
1,1,1,2-Tetrachloroethane (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
1,1,1-Trichloroethane (µg/L)		< 0.25	<0.25	< 0.25	**0.75**
1,1,2,2-Tetrachloroethane (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
1,1,2-Trichloroethane (µg/L)		< 0.25	<0.25	< 0.25	**0.37 J**
1,2,3-Trichlorobenzene (µg/L)		< 0.25	<0.25	< 0.25J	< 0.25
1,2,3-Trichloropropane (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
1,2,4-Trichlorobenzene (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
1,2,4-Trimethylbenzene (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
1,3,5-Trimethylbenzene (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
Tetrachloroethylene (µg/L)		**28.0**	**1.8**	**2.8**	**7.8**
Toluene (µg/L)		< 0.25J	<0.25J	< 0.25J	< 0.25J
Trichloroethylene (µg/L)		**5.4**	**1.9**	**376 a**	**4420 a**
Trichlorofluoromethane (µg/L)		< 0.25	<0.25	**1.4**	**0.77**
Vinyl chloride (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
m,p-Xylene (µg/L)		< 0.50	<0.50	< 0.50J	< 0.50
o-Xylene (µg/L)		< 0.25J	<0.25J	< 0.25J	< 0.25J
Xylenes, Total (µg/L)		< 0.25	<0.25	< 0.25	< 0.25
TVOCs		**35**	**3.7**	**390**	**4500**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	BPS1-TT-MW305S	BPS1-TT-MW307D	BPS1-TT-MW307I	BPS1-TT-MW307S
Sample ID:	MW305S-GW-061713	MW307D-GW-061713	MW307I-GW-061713	MW307S-GW-061713
Sample Date:	6/17/2013	6/17/2013	6/17/2013	6/17/2013
Constituent in ug/L				
Benzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Bromochloromethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Bromodichloromethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Bromoform (µg/L)	< 0.25J	< 0.25J	< 0.25J	< 0.25J
Bromomethane (µg/L)	< 0.50	< 0.50	< 0.50	< 0.50
n-Butylbenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
sec-Butylbenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
tert-Butylbenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Chlorobenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Chloroethane (µg/L)	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Chloromethane (µg/L)	< 0.50	< 0.50	< 0.50	< 0.50
o-Chlorotoluene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
p-Chlorotoluene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Carbon tetrachloride (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,1-Dichloroethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,1-Dichloroethylene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,1-Dichloropropene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,2-Dibromo-3-chloropropane (µg/L)	< 0.50J	< 0.50J	< 0.50J	< 0.50J
1,2-Dibromoethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,2-Dichloroethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,2-Dichloropropane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,3-Dichloropropane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
2,2-Dichloropropane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Dibromochloromethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Dibromomethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Dichlorodifluoromethane (µg/L)	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
m-Dichlorobenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
o-Dichlorobenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
p-Dichlorobenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,2-Dichloroethylene (µg/L)	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethylene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Ethylbenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25

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Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	BPS1-TT-MW305S	BPS1-TT-MW307D	BPS1-TT-MW307I	BPS1-TT-MW307S
Sample ID:	MW305S-GW-061713	MW307D-GW-061713	MW307I-GW-061713	MW307S-GW-061713
Sample Date:	6/17/2013	6/17/2013	6/17/2013	6/17/2013
Constituent in ug/L				
Hexachlorobutadiene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Isopropylbenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
p-Isopropyltoluene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Methylene chloride (µg/L)	< 0.25J	< 0.25J	< 0.25J	< 0.25J
Methyl Tert Butyl Ether (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Napthalene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
n-Propylbenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Styrene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,1,1,2-Tetrachloroethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,1,1-Trichloroethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2,2-Tetrachloroethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,1,2-Trichloroethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,2,3-Trichlorobenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,2,3-Trichloropropane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,2,4-Trichlorobenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,2,4-Trimethylbenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
1,3,5-Trimethylbenzene (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Tetrachloroethylene (µg/L)	< 0.25	< 0.25	**0.46 J**	< 0.25
Toluene (µg/L)	< 0.25J	< 0.25J	< 0.25J	< 0.25J
Trichloroethylene (µg/L)	< 0.25	< 0.25	**1.8**	< 0.25
Trichlorofluoromethane (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl chloride (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
m,p-Xylene (µg/L)	< 0.50	< 0.50	< 0.50	< 0.50
o-Xylene (µg/L)	< 0.25J	< 0.25J	< 0.25J	< 0.25J
Xylenes, Total (µg/L)	< 0.25	< 0.25	< 0.25	< 0.25
TVOCs	0	0	**2.3**	0

Notes and Abbreviations on last page.

ARCADIS

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	BPS1-TT-MW309D	BPS1-TT-MW309I	BPS1-TT-MW309S
Sample ID:	MW309D-GW-061813	MW309I-GW-061913	MW309S-GW-061813
Sample Date:	6/18/2013	6/19/2013	6/18/2013
Constituent in ug/L			
Benzene (µg/L)	< 0.25	< 0.25	< 0.25
Bromobenzene (µg/L)	< 0.25	< 0.25	< 0.25
Bromochloromethane (µg/L)	< 0.25	< 0.25	< 0.25
Bromodichloromethane (µg/L)	< 0.25	< 0.25	< 0.25
Bromoform (µg/L)	< 0.25J	< 0.25J	< 0.25J
Bromomethane (µg/L)	< 0.50	< 0.50	< 0.50
n-Butylbenzene (µg/L)	< 0.25	< 0.25	< 0.25
sec-Butylbenzene (µg/L)	< 0.25	< 0.25	< 0.25
tert-Butylbenzene (µg/L)	< 0.25	< 0.25	< 0.25
Chlorobenzene (µg/L)	< 0.25	< 0.25	< 0.25
Chloroethane (µg/L)	< 0.50	< 0.50	< 0.50
Chloroform (µg/L)	< 0.25	< 0.25	< 0.25
Chloromethane (µg/L)	< 0.50	< 0.50	< 0.50
o-Chlorotoluene (µg/L)	< 0.25	< 0.25	< 0.25
p-Chlorotoluene (µg/L)	< 0.25	< 0.25	< 0.25
Carbon tetrachloride (µg/L)	< 0.25	< 0.25	< 0.25
1,1-Dichloroethane (µg/L)	< 0.25	< 0.25	< 0.25
1,1-Dichloroethylene (µg/L)	< 0.25	< 0.25	< 0.25
1,1-Dichloropropene (µg/L)	< 0.25	< 0.25	< 0.25
1,2-Dibromo-3-chloropropane (µg/L)	< 0.50J	< 0.50J	< 0.50J
1,2-Dibromoethane (µg/L)	< 0.25	< 0.25	< 0.25
1,2-Dichloroethane (µg/L)	< 0.25	< 0.25	< 0.25
1,2-Dichloropropane (µg/L)	< 0.25	< 0.25	< 0.25
1,3-Dichloropropane (µg/L)	< 0.25	< 0.25	< 0.25
2,2-Dichloropropane (µg/L)	< 0.25	< 0.25	< 0.25
Dibromochloromethane (µg/L)	< 0.25	< 0.25J	< 0.25
Dibromomethane (µg/L)	< 0.25	< 0.25	< 0.25
Dichlorodifluoromethane (µg/L)	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene (µg/L)	< 0.25	< 0.25J	< 0.25
m-Dichlorobenzene (µg/L)	< 0.25	< 0.25	< 0.25
o-Dichlorobenzene (µg/L)	< 0.25	< 0.25J	< 0.25
p-Dichlorobenzene (µg/L)	< 0.25	< 0.25	< 0.25
trans-1,2-Dichloroethylene (µg/L)	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethylene (µg/L)	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene (µg/L)	< 0.25	< 0.25J	< 0.25
Ethylbenzene (µg/L)	< 0.25	< 0.25	< 0.25

Continue on Next Page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	BPS1-TT-MW309D	BPS1-TT-MW309I	BPS1-TT-MW309S
	Sample ID:	MW309D-GW-061813	MW309I-GW-061913	MW309S-GW-061813
	Sample Date:	6/18/2013	6/19/2013	6/18/2013
Hexachlorobutadiene (µg/L)		< 0.25	< 0.25	< 0.25
Isopropylbenzene (µg/L)		< 0.25	< 0.25	< 0.25
p-Isopropyltoluene (µg/L)		< 0.25	< 0.25	< 0.25
Methylene chloride (µg/L)		< 0.25J	< 0.25	< 0.25J
Methyl Tert Butyl Ether (µg/L)		< 0.25	< 0.25	< 0.25
Napthalene (µg/L)		< 0.25	< 0.25	< 0.25
n-Propylbenzene (µg/L)		< 0.25	< 0.25	< 0.25
Styrene (µg/L)		< 0.25	< 0.25J	< 0.25
1,1,1,2-Tetrachloroethane (µg/L)		< 0.25	< 0.25	< 0.25
1,1,1-Trichloroethane (µg/L)		< 0.25	< 0.25	< 0.25
1,1,2,2-Tetrachloroethane (µg/L)		< 0.25	< 0.25	< 0.25
1,1,2-Trichloroethane (µg/L)		< 0.25	< 0.25	< 0.25
1,2,3-Trichlorobenzene (µg/L)		< 0.25	< 0.25	< 0.25
1,2,3-Trichloropropane (µg/L)		< 0.25	< 0.25	< 0.25
1,2,4-Trichlorobenzene (µg/L)		< 0.25	< 0.25	< 0.25
1,2,4-Trimethylbenzene (µg/L)		< 0.25	< 0.25	< 0.25
1,3,5-Trimethylbenzene (µg/L)		< 0.25	< 0.25	< 0.25
Tetrachloroethylene (µg/L)		**1.6**	< 0.25	< 0.25
Toluene (µg/L)		< 0.25J	< 0.25J	< 0.25J
Trichloroethylene (µg/L)		**1.9**	< 0.25	**1.5**
Trichlorofluoromethane (µg/L)		< 0.25	< 0.25	< 0.25
Vinyl chloride (µg/L)		< 0.25	< 0.25	< 0.25
m,p-Xylene (µg/L)		< 0.50	< 0.50	< 0.50
o-Xylene (µg/L)		< 0.25J	< 0.25J	< 0.25J
Xylenes, Total (µg/L)		< 0.25	< 0.25	< 0.25
TVOCs		**3.5**	0	**1.5**

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	RW-1	RW1-MW1	RW1-MW2	RW1-MW3
Sample ID:	NWIRP-Bethpage-GM-38-PS-RW1-062013	NWIRP-Bethpage-GM-38-GW-RW1-MW1-061913	NWIRP-Bethpage-GM-38-GW-RW1-MW2-061813	NWIRP-Bethpage-GM-38-GW-RW1-MW3-061913
Sample Date:	6/20/2013	6/19/2013	6/18/2013	6/19/2013
Constituent in ug/L				
1,1,1-Trichloroethane	<2.7	<2.7	<1.4	**1.8**
1,1,2,2-Tetrachloroethane	<2	<2	<1	**0.2 J**
1,1,2-Trichloroethane	2.2	<2.2	<1.1	**0.46 J**
1,1-Dichloroethane	<3.9	**4.8 J**	**3.9**	**10**
1,1-Dichloroethene	<3.2	<3.2	<1.6	**1.8**
1,2-Dichloroethane	<2	<2	<1	**0.18 J**
1,2-Dichloropropane	<4.5	<4.5	<2.3	<0.45
2-Butanone (MEK)	<50	<50	<25	<5
2-Hexanone	<50	<50	<25	<5
4-Methyl-2-pentanone (MIBK)	<50	<50	<25	<5
Acetone	<50	<50	<25	<5
Benzene	<2	<2	<1	<0.2
Bromodichloromethane	<2.5	<2.5	<1.3	<0.25
Bromoform	<3.9	<3.9	<2	<0.39
Bromomethane	<4.5	<4.5	<2.3	<0.45
Carbon tetrachloride	<2.2	<2.2	<1.1	<0.22
Chlorobenzene	<2.7	<2.7	<1.4	<0.27
Chloroethane	<3.3	<3.3	<1.7	<0.33
Chloroform	<3	<3	<1.5	**0.82**
Chloromethane	<3.2	<3.2	<1.6	<0.32
cis-1,2-Dichloroethene	**22**	**64**	**120**	**0.46 J**
cis-1,3-Dichloropropene	<3.2	<3.2	<1.6	<0.32
Dibromochloromethane	<4.3	<4.3	<2.2	<0.43
Ethylbenzene	<2	<2	<1	<0.2
Methylene Chloride	<3.6	<3.6	<1.8	<0.36
m-Xylene & p-Xylene	<4.2	<4.2	<2.1	<0.42
o-Xylene	<2.7	<2.7	<1.4	<0.27
Styrene	<2.8	<2.8	<1.4	<0.28
Tetrachloroethene	**43**	<3	**5.9**	<0.3
Toluene	<2.3	<2.3	<1.2	<0.23
trans-1,2-Dichloroethene	<2.4	<2.4	**1.9 J**	<0.24
trans-1,3-Dichloropropene	<4.8	<4.8	<2.4	<0.48
Trichloroethene	**190**	**78**	**64**	**1.7**
Trichlorotrifluoroethane	<1.6	<1.6	<0.8	<0.16
Vinyl chloride	<3.3	<3.3	<1.7	<0.33
TVOCs	**260**	**150**	**200**	**17**

Notes and Abbreviations on last page.

ARCADIS

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Well ID:	RW2-MW1	RW-3	RW3-MW1	RW3-MW1
Sample ID:	NWIRP-Bethpage-GM-38-GW-RW2-MW1-061713	NWIRP-Bethpage-GM-38-PS-RW3-062013	NWIRP-Bethpage-GM-38-GW-RW3-MW1-062013	NWIRP-Bethpage-GM-38-GW-DUP01-062013
Sample Date:	6/17/2013	6/20/2013	6/20/2013	6/20/2013
Constituent in ug/L				
1,1,1-Trichloroethane	**0.84**	<2.7	<1.4	<1.4
1,1,2,2-Tetrachloroethane	**0.2**	<2	<1	<1
1,1,2-Trichloroethane	**0.22**	<2.2	<1.1	<1.1
1,1-Dichloroethane	**7**	<3.9	<2	<2
1,1-Dichloroethene	**1.9**	<3.2	<1.6	<1.6
1,2-Dichloroethane	**1.3**	<2	<1	<1
1,2-Dichloropropane	<0.45	<4.5	<2.3	<2.3
2-Butanone (MEK)	<5	<50	<25	<25
2-Hexanone	<5	<50	<25	<25
4-Methyl-2-pentanone (MIBK)	<5	<50	<25	<25
Acetone	<5	<50	<25	<25
Benzene	<0.2	<2	<1	<1
Bromodichloromethane	<0.25	<2.5	<1.3	<1.3
Bromoform	<0.39	<3.9	<2	<2
Bromomethane	<0.45	<4.5	<2.3	<2.3
Carbon tetrachloride	<0.22	<2.2	<1.1	<1.1
Chlorobenzene	<0.27	<2.7	<1.4	<1.4
Chloroethane	<0.33	<3.3	<1.7	<1.7
Chloroform	**2.9**	<3	<1.5	<1.5
Chloromethane	<0.32	<3.2	<1.6	<1.6
cis-1,2-Dichloroethene	**7.7**	<3.7	<1.9	<1.9
cis-1,3-Dichloropropene	<0.32	<3.2	<1.6	<1.6
Dibromochloromethane	<0.43	<4.3	<2.2	<2.2
Ethylbenzene	<0.2	<2	<1	<1
Methylene Chloride	<0.36	<3.6	<1.8	<1.8
m-Xylene & p-Xylene	<0.42	<4.2	<2.1	<2.1
o-Xylene	<0.27	<2.7	<1.4	<1.4
Styrene	<0.28	<2.8	<1.4	<1.4
Tetrachloroethene	<0.3	<3	**1.8 J**	**1.7 J**
Toluene	<0.23	<2.3	<1.2	<1.2
trans-1,2-Dichloroethene	<0.24	<2.4	<1.2	<1.2
trans-1,3-Dichloropropene	<0.48	<4.8	<2.4	<2.4
Trichloroethene	**14**	**190**	**49**	**48**
Trichlorotrifluoroethane	<0.16	<1.6	**0.8 J**	<0.8J
Vinyl chloride	<0.33	<3.3	<1.7	<1.7
TVOCs	**36**	**190**	**52**	**50**

Notes and Abbreviations on last page.

Table 1.

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
2-Butanone (MEK)
2-Hexanone
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
Methylene Chloride
m-Xylene & p-Xylene
o-Xylene
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorotrifluoroethane
Vinyl chloride

TVOCs

Notes and Abbreviations on last page.

Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

RW3-MW2	RW3-MW3
NWIRP-Bethpage-GM-38-GW-RW3-MW2-062013	NWIRP-Bethpage-GM-38-GW-RW3-MW3-062113
6/20/2013	6/21/2013
<2.7	<14
<2	<10
<2.2	<11
3.9	<20
<3.2	<16
<2	<10
<4.5	<23
<50	<250
<50	<250
<50	<250
<50	<250
<2	<10
<2.5	<13
<3.9	<20
<4.5	<23
<2.2	<11
<2.7	<14
<3.3	<17
<3	<15
<3.2	<16
<3.7	<19
<3.2	<16
<4.3	<22
<2	<10
<3.6	<18
<4.2	<21
<2.7	<14
<2.8	<14
<3	<15
<2.3	<12
<2.4	<12
<4.8	<24
140	**410**
<1.6	<8
<3.3	<17
140	**410**

Table 1.

	Public Supply Wells
RW3-MW4	
NWIRP-Bethpage-GM-38-GW-RW3-MW4-062113	
6/21/2013	
	Constituent in ug/L
0.29 J	
<0.2	1,1,1,2-Tetrachloroethane
<0.22	1,1,1-Trichloroethane
4.6	1,1,2,2-Tetrachloroethane
0.42 J	1,1,2-Trichloroethane
0.23 J	1,1-Dichloroethane
<0.45	1,1-Dichloroethene
<5	1,1-Dichloropropene
<5	1,2,3-Trichlorobenzene
<5	1,2,3-Trichloropropane
<5	1,2,4-Trichlorobenzene
<0.2	1,2-Dichlorobenzene
<0.25	1,2-Dichloroethane
<0.39	1,2-Dichloropropane
<0.45	1,3,5-Trimethylbenzene
<0.22	1,3-Dichlorobenzene
<0.27	1,3-Dichloropropane
<0.33	1,4-Dichlorobenzene
1.2	2,2-Dichloropropane
<0.32	2-Chlorotoluene
<0.37	4-Chlorotoluene
<0.32	Benzene
<0.43	Bromobenzene
<0.2	Bromomethane
<0.36	Carbon Tetrachloride
<0.42	CFC-11
<0.27	Chlorobenzene
<0.28	Chlorobromomethane
<0.3	Chloroethane
<0.23	Chloromethane
<0.24	cis-1,2-Dichloroethene
<0.48	cis-1,3-Dichloropropene
1.8	Cymene
<0.16	Dibromomethane
<0.33	Dichloromethane
8.5	Dichloromonofluoromethane
	Ethylbenzene
	Hexachloro-1,3-Butadiene
	Isopropylbenzene
	Methyl-Tert-Butylether
	m-Xylene
	N-Butylbenzene
	N-Propylbenzene
	o-Xylene

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Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

			BWD
Well ID:	N-3876	N-6915	N-6916
Sample ID:	N-3876	N-6915	N-6916
Sample Date:	6/10/2013	6/4/2013	6/4/2013
	< 0	< 0	< 0
	< 0	**2**	**0.9**
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	**4.8**	**2.3**
	< 0	**2.9**	**1.6**
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	**1.6**	**1.8**
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	**17.6**	**18**
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0
	< 0	< 0	< 0

		NYAW	
N-8004	N-8941	N-8480	N-9338
N-8004 6/17/2013	N-8941 6/17/2013	N-8480 6/13/2013	N-9338 2/28/2013
< 0	< 0	0	0
< 0	**0.6**	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	**1**	0	0
< 0	**3.6**	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	**1.8**	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
1.4	**2**	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	N-3876	N-6915	BWD N-6916
	Sample ID:	N-3876	N-6915	N-6916
	Sample Date:	6/10/2013	6/4/2013	6/4/2013
p-Xylene		< 0	< 0	< 0
Styrene (Monomer)		< 0	< 0	< 0
Tert-Butylbenzene		< 0	< 0	< 0
Tetrachloroethene		**4.3**	< 0	< 0
Toluene		< 0	< 0	< 0
trans-1,2-Dichloroethene		< 0	< 0	< 0
trans-1,3-Dichloropropene		< 0	< 0	< 0
Trichloroethene		**48.2**	**93.6**	**102**
Vinyl Chloride		< 0	< 0	< 0
TVOCs		**53**	**120**	**130**

Notes and Abbreviations on last page.

		NYAW	
N-8004	N-8941	N-8480	N-9338
N-8004 6/17/2013	N-8941 6/17/2013	N-8480 6/13/2013	N-9338 2/28/2013
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	**1.5**	0	0
< 0	< 0	0	0
< 0	< 0	0	0
< 0	< 0	0	0
9.6	**1070**	**1.8**	**1.3**
< 0	< 0	0	0
11	**1100**	**1.8**	**1.3**

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

SFWD

Constituent in ug/L	Well ID: N-5148	N-6148
	Sample ID: N-5148	N-6148
	Sample Date: 5/13/2013	5/7/2013
1,1,1,2-Tetrachloroethane	0	0
1,1,1-Trichloroethane	0	0
1,1,2,2-Tetrachloroethane	0	0
1,1,2-Trichloroethane	0	0
1,1-Dichloroethane	0	0
1,1-Dichloroethene	0	0
1,1-Dichloropropene	0	0
1,2,3-Trichlorobenzene	0	0
1,2,3-Trichloropropane	0	0
1,2,4-Trichlorobenzene	0	0
1,2-Dichlorobenzene	0	0
1,2-Dichloroethane	0	0
1,2-Dichloropropane	0	0
1,3,5-Trimethylbenzene	0	0
1,3-Dichlorobenzene	0	0
1,3-Dichloropropane	0	0
1,4-Dichlorobenzene	0	0
2,2-Dichloropropane	0	0
2-Chlorotoluene	0	0
4-Chlorotoluene	0	0
Benzene	0	0
Bromobenzene	0	0
Bromomethane	0	0
Carbon Tetrachloride	0	0
Chlorobenzene	0	0
Chlorobromomethane	0	0
Chloroethane	0	0
Chloromethane	0	0
cis-1,2-Dichloroethene	0	0
cis-1,3-Dichloropropene	0	0
Cymene	0	0
Dibromomethane	0	0
Dichloromonofluoromethane	0	0
Ethylbenzene	0	0
Hexachloro-1,3-Butadiene	0	0
Isopropylbenzene	0	0
Methylene Chloride	0	0
Methyl-Tert-Butyl Ether	0	0
N-Butylbenzene	0	0
N-Propylbenzene	0	0
Styrene	0	0
Tert-Butylbenzene	0	0

Continue on Next Page.

SFWD				TOH/LWD
N-6150	N-7377	N-8664	N-8665	N-5303
N-6150 5/6/2013	N-7377 5/17/2013	N-8664 5/7/2013	N-8665 5/6/2013	N-5303 6/4/2013
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Constituent in ug/L	Well ID:	N-5148	N-6148	N-6150 SFWD
	Sample ID:	N-5148	N-6148	N-6150
	Sample Date:	5/13/2013	5/7/2013	5/6/2013
Tetrachloroethene		0	0	0
Toluene		0	0	0
trans-1,2-Dichloroethene		0	0	0
trans-1,3-Dichloropropene		0	0	0
Trichloroethene		0	0	0
CFC-11		0	0	0
Vinyl Chloride		0	0	0
Xylene-m		0	0	0
Xylene-o		0	0	0
Xylene-p		0	0	0
TVOCs		0	0	0

Notes and Abbreviations on last page.

SFWD				TOH/LWD
	N-7377	N-8664	N-8665	N-5303
	N-7377	N-8664	N-8665	N-5303
	5/17/2013	5/7/2013	5/6/2013	6/4/2013
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Notes and Abbreviations:

For wells sampled by Northrop Grumman, VOCs were analyzed by NYSDEC Method OLM4.3. Data were validated in accordance with USEPA National Functional Guidelines of October 1999.

For wells sampled by Navy, VOCs were analyzed by USEPA Method 524.2. Data were validated in accordance with Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry-Revision 4.1 (USEPA, 1995), and the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008).

N-4043 and N-3893 data were not provided.

For public supply well data, analytical methods and validation guidance were not provided.

TVOCs were rounded to two significant figures.

Bold value indicates a detection.

NYSDEC	New York State Department of Environmental Conservation
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
TVOCs	Total Volatile Organic Compounds
ug/L	micrograms per Liter
J	Value is estimated concentration.
D	Concentration is based on a diluted sample analysis.
B	The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
R	The result was rejected due to a quality control issue.
a	Result is from a second run.
BWD	Bethpage Water District
NYAW	New York American Water
SFWD	South Farmingdale Water District
TOH/LWD	Town of Hempstead/Levittown Water District

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Table 1A. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, Former OXY-RUCO Site, Hicksville, New York.

Well ID:	MW-58D	MW-58D1	MW-58D2	MW-66D2	MW-72Dl
Sample ID:	GW52313VW054	GW52313VW055	GW42913MY020	GW42513MY013	GW5113VW039
Sample Date:	5/23/2013	5/23/2013	4/29/2013	4/25/2013	5/1/2013
Constituent in ug/L					
1,1,1-Trichloroethane	**4.7J**	**1.4 J**	**1.3 J**	**0.67J**	<5.0
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	**1.1J**	**0.95J**	**0.98J**	**1.8J**	<5.0
1,1-Dichloroethene	**22**	**18**	**20**	0.91J	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	R	R	R	R	<5.0J
2-Hexanone	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-Pentanone	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	**11J**	**10 J**	**10J**	**8.5J**	**6.2J**
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	**1.2J**	**1.6J**	**1.6J**	**2.1J**	<5.0
cis-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorodibromomethane	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (Monomer)	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	**15 J**	**12J**	**13**	**100**	**1.3 J**
Toluene	<5.0	**0.68 J**	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	**110**	**73**	**74**	**110**	**1.0 J**
Vinyl Chloride	<5.0	<5.0	<5.0	<5.0	**0.99 J**
Xylenes (total)	<5.0	<5.0	<5.0	<5.0	<5.0
TVOCs	**170**	**120**	**120**	**220**	**9.5**

Notes and Abbreviations on last page.

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Table 1A. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, Former OXY-RUCO Site, Hicksville, New York.

Well ID:	MW-72D2	MW-86D1	MW-86D2	MW-93D1	MW-93D2
Sample ID:	GW5113VW040	GW42913MY018	GW42913MY019	GW42413MYOO5	GW42413MY006
Sample Date:	5/1/2013	4/29/2013	4/29/2013	4/24/2013	4/24/2013
Constituent in ug/L					
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	<5.0	<5.0	**0.95J**	<5.0	**0.51J**
1,1-Dichloroethene	<5.0	<5.0	**1.6 J**	<5.0	<5.0
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	<5.0J	R	R	R	R
2-Hexanone	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-Pentanone	<5.0	<5.0J	<5.0J	<5.0	<5.0
Acetone	**6.6J**	**12J**	**10J**	<16	<15
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	<5.0	<5.0J	<5.0J	<5.0	<5.0
Carbon Disulfide	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	<5.0	**3.9 J**	<5.0	<5.0	<5.0
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	**37**	**4.0J**	**51**	<3.1	<2.9
cis-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorodibromomethane	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (Monomer)	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	**540**	**6**	**17**	**14**	**24**
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	**0.88J**	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	**16**	**1.5 J**	**320**	<4.5	**21**
Vinyl Chloride	<5.0	**62**	**0.51 J**	**20**	<5.0
Xylenes (total)	<5.0	<5.0	<5.0	<5.0	<5.0
TVOCs	**600**	**89**	**400**	**34**	**46**

Notes and Abbreviations on last page.

Table 1A. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Wells, Former OXY-RUCO Site, Hicksville, New York.

Notes and Abbreviations:

Data were provided by OXY-RUCO. All monitoring wells were sampled during comprehensive sampling round period.

VOCs were analyzed by SW-846 8260. Data were validated in accordance with USEPA Contract Laboratory Program National Functional Guildelines for Organic Data Review of October 1999.

TVOCs were rounded to two significant figures.

Bold value indicates a detection.

NYSDEC	New York State Department of Environmental Conservation
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
TVOCs	Total Volatile Organic Compounds
ug/L	micrograms per Liter
J	Value is estimated concentration.
R	The result was rejected due to a quality control issue.

Table 2. Concentrations of Metals in Groundwater Samples Collected from Monitoring Wells,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Wells Sampled by Northorp Grumman

Location ID:	B24MW-2	B24MW-3	B30MW-1	BCPMW-1	BCPMW-2	BCPMW-3	BCPMW-4-1	BCPMW-4-2	BCPMW-4-3	BCPMW-4-3	BCPMW-5-1
Sample ID:	B24MW-2	B24MW-3	B30MW-1	BCPMW-1	BCPMW-2	BCPMW-3	BCPMW-4-1	BCPMW-4-2	BCPMW-4-3 (REP)	BCPMW-4-3	BCPMW-5-1
Sample Date:	6/13/2013	6/13/2013	6/14/2013	6/13/2013	6/13/2013	6/13/2013	6/5/2013	6/5/2013	6/5/2013	6/5/2013	6/21/2013
Constituent in ug/L											
Chromium, Total	**76.8**	**12.9**	**21.6**	**27.5**	**14.7**	**15.6**	**16.1**	< 10	< 10	< 10	**12.3 J**
Chromium, Dissolved	< 10	< 10	< 10	< 10	< 10	< 10	**13.1**	< 10	< 10	< 10	< 10
Cadmium, Total	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium, Dissolved	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Notes and Abbreviations on last page.

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Table 2. Concentrations of Metals in Groundwater Samples Collected from Monitoring Wells,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	BCPMW-6-1	BCPMW-6-2	BCPMW-7-1	GM-15I	GM-15SR	GM-78I	GM-78S	MW-01GF	MW-02GF	MW-100-1	MW-100-2	MW-100-3
Sample ID:	BCPMW-6-1	BCPMW-6-2	BCPMW-7-1	GM-15I	GM-15SR	GM-78I	GM-78S	MW-01GF	MW-02GF	MW-100-1	MW-100-2	MW-100-3
Sample Date:	6/7/2013	6/5/2013	6/7/2013	6/13/2013	5/24/2013	5/29/2013	5/29/2013	5/29/2013	5/29/2013	5/30/2013	5/30/2013	5/30/2013
Constituent in ug/L												
Chromium, Total	< 10	< 10	< 10	**46.2 J**	**804**	< 10	< 10	< 10	**13.9**	**32.8**	< 10	**15.9**
Chromium, Dissolved	< 10	< 10	< 10	**60.1 J**	**788**	< 10	< 10	< 10	**13**	< 10	< 10	< 10
Cadmium, Total	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium, Dissolved	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Notes and Abbreviations on last page.

Table 2. Concentrations of Metals in Groundwater Samples Collected from Monitoring Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	MW-102-1	MW-107-1	MW-108-1	MW-109-3	MW-111-4	MW-117-5	MW-118-5	MW-200-1	MW-201-1	MW-202-1	MW-203-1	MW-203-1
Sample ID:	MW-102-1	MW-107-1	MW-108-1	MW-109-3	MW-111-4	MW-117-5	MW-118-5	MW-200-1	MW-201-1	MW-202-1	MW-203-1(REP)	MW-203-1
Sample Date:	5/31/2013	5/31/2013	6/14/2013	6/11/2013	6/11/2013	6/20/2013	6/28/2013	5/31/2013	5/31/2013	5/30/2013	5/31/2013	5/31/2013
Constituent in ug/L												
Chromium, Total	**28.8**	< 10	**21.9**	**17.3**	**103**	< 10	< 10	**15.7**	< 10	**34.3**	**38.2**	**29.5**
Chromium, Dissolved	< 10	< 10	**13.8**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Cadmium, Total	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium, Dissolved	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Notes and Abbreviations on last page.

Table 2. Concentrations of Metals in Groundwater Samples Collected from Monitoring Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	N-10631	PLT1 MW-04	PLT1 MW-05	PLT1 MW-06	RW-01	RW-02	RW-03	RW-04
Sample ID:	N-10631	PLT1 MW-04	PLT1 MW-05	PLT1 MW-06	RW-01	RW-02	RW-03	RW-04
Sample Date:	6/21/2013	5/24/2013	5/24/2013	5/24/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013
Constituent in ug/L								
Chromium, Total	**20.2**	< 10	**352**	**183**	**27.9**	< 10	< 10	< 10
Chromium, Dissolved	**12.3**	< 10	**339**	**184**	**27.4**	< 10	< 10	< 10
Cadmium, Total	**6.1**	--	--	--	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium, Dissolved	< 5.0	--	--	--	< 5.0	< 5.0	< 5.0	< 5.0

Notes and Abbreviations on last page.

Table 2. Concentrations of Metals in Groundwater Samples Collected from Monitoring Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Wells Sampled By Navy

Location ID:	BPS1-TT-MW303I1	BPS1-TT-MW305D	BPS1-TT-MW305I	BPS1-TT-MW305S	BPS1-TT-MW307D
Sample ID:	MW303I1-GW-061813	MW305D-GW-061813	MW305I-GW-061813	MW305S-GW-061713	MW307D-GW-061713
Sample Date:	6/18/2013	6/18/2013	6/18/2013	6/17/2013	6/17/2013
Constituent in ug/L					
Chromium, Total	**23.0**	**1.3 J**	**0.77 J**	**0.53 J**	**1.2 J**
Chromium, Dissolved	**1.3 J**	**0.38 J**	<4.0	<4.0	<4.0
Cadmium, Total	**0.42 J**	< 3.0	< 3.0	< 3.0	**0.06 J**
Cadmium, Dissolved	< 3.0	**0.14 J**	< 3.0	**0.05 J**	**0.07 J**

Notes and Abbreviations on last page.

Table 2. Concentrations of Metals in Groundwater Samples Collected from Monitoring Wells, Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	BPS1-TT-MW307I	BPS1-TT-MW307S	BPS1-TT-MW309D	BPS1-TT-MW309I	BPS1-TT-MW309S
Sample ID:	MW307I-GW-061713	MW307S-GW-061713	MW309D-GW-061813	MW309I-GW-061913	MW309S-GW-061813
Sample Date:	6/17/2013	6/17/2013	6/18/2013	6/19/2013	6/18/2013
Constituent in ug/L					
Chromium, Total	**0.52 J**	<4.0	**0.40 J**	**41.8**	**4.9 J**
Chromium, Dissolved	<4.0	**0.51 J**	**0.44 J**	**41.0**	**4.6 J**
Cadmium, Total	**0.14 J**	< 3.0	**0.14 J**	< 3.0	**1.8 J**
Cadmium, Dissolved	< 3.0	**0.08 J**	**0.13 J**	< 3.0	**1.7 J**

Notes and Abbreviations:

For wells sampled by Northrop Grumman, Metals were analyzed by USEPA Method 6010. Data were validated in accordance with USEPA National Functional Guidelines of July 2004.

For Wells Sampled by Navy, Metals were analyzed by USEPA Method 6010. Data were not validated.

USEPA United States Environmental Protection Agency

ug/L micrograms per Liter

J Value is estimated concentration.

-- Not Analyzed

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round , Northrop Grumman Systems Corporation, Bethpage, New York.

QA/QC Samples Collected by Northrop Grumman

Location ID:	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID:	TB051413	TB051513	TB051613	TB052013	TB052113	TB052213
Sample Date:	5/14/2013	5/15/2013	5/16/2013	5/20/2013	5/21/2013	5/22/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	**7.2 J**	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0 J	< 5.0 J	< 5.0 J
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	**0.36 J**	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	**7.6**	0	0	0	0

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Trip Blank	Trip Blank	Trip Blank	Field Blank	Trip Blank	Field Blank
Sample ID:	TB 5-23-13	TB 05-23-13 WV	TB052413	FB052413	TB052813WV	FB052813WV
Sample Date:	5/23/2013	5/23/2013	5/24/2013	5/24/2013	5/28/2013	5/28/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 10	< 10	< 50	< 50	< 50	< 50
2-Hexanone	< 10	< 10	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 10	< 10	< 50	< 50	< 50	< 50
Acetone	< 10	< 10	< 50	< 50	< 50	< 50
Benzene	< 5.0	< 5.0	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	**0.35 BJ**	**0.31 BJ**	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**1.3 J**
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 5.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	**0.35**	**0.31**	0	0	0	**1.3**

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Trip Blank	Trip Blank	Trip Blank	Field Blank	Trip Blank	Field Blank
Sample ID:	TB052813	TB052913	TB052913WV	FB052913WV	TB053013	FB053013
Sample Date:	5/28/2013	5/29/2013	5/29/2013	5/29/2013	5/30/2013	5/30/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 10	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 10	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 10	< 50	< 50	< 50	< 50	< 50
Acetone	< 10	< 50	< 50	< 50	< 50	< 50
Benzene	< 5.0	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	**0.39 BJ**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	**1.1 J**	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	**0.39**	0	0	**1.1**	0	0

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Trip Blank	Field Blank	Trip Blank	Trip Blank	Field Blank	Trip Blank
Sample ID:	TB053013WV	FB053113	TB053113	TB053113WV	FB060613	TB060613
Sample Date:	5/30/2013	5/31/2013	5/31/2013	5/31/2013	6/5/2013	6/5/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	**0.21 J**	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	0	0	**0.21**	0	0

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Field Blank	Trip Blank	Trip Blank	Trip Blank	Field Blank	Trip Blank
Sample ID:	FB060513	TB060513	TB060513	TB060613	FB060713	TB060713
Sample Date:	6/5/2013	6/5/2013	6/5/2013	6/6/2013	6/7/2013	6/7/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.24 J**
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	0	0	0	0	**0.24**

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Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Field Blank	Trip Blank	Trip Blank	Trip Blank	Field Blank	Trip Blank
Sample ID:	FB061013	TB061013B	TB061013A	TB061113	FB061113	TB061113
Sample Date:	6/10/2013	6/10/2013	6/10/2013	6/11/2013	6/11/2013	6/11/2013
Constituent						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	**1.7 J**	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	**0.29 J**	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	**0.39 J**	**0.35 J**
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	0	0	**2**	**0.39**	**0.35**

Notes and Abbreviations on last page.

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Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Field Blank	Trip Blank	Trip Blank	Trip Blank	Field Blank	Trip Blank
Sample ID:	FB061213	TB061213	TB061213WV	TB061413	FB061313	TB061313
Sample Date:	6/12/2013	6/12/2013	6/12/2013	6/13/2013	6/13/2013	6/13/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.25 J**
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	0	0	0	0	**0.25**

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Trip Blank	Trip Blank	Field Blank	Field Blank	Trip Blank	Trip Blank
Sample ID:	TB061313WV	TB061413WV	FB061413	FB061713	TB061713	TB061713WV
Sample Date:	6/13/2013	6/14/2013	6/14/2013	6/17/2013	6/17/2013	6/17/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	0	0	0	0	0

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Trip Blank	Trip Blank	Field Blank	Trip Blank	Trip Blank	Field Blank
Sample ID:	TB061813	TB061913	FB061913	TB062013	TB062113WV	FB062113
Sample Date:	6/18/2013	6/19/2013	6/19/2013	6/20/2013	6/21/2013	6/21/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	**0.40 J**	< 5.0	< 5.0	**0.42 J**
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	**0.23 J**	< 5.0	< 5.0	< 5.0	**0.31 J**	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	**0.23**	0	**0.4**	0	**0.31**	**0.42**

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Trip Blank	Trip Blank	Field Blank	Trip Blank	Field Blank	Field Blank
Sample ID:	TB062113	TB062413WV	FB062413	TB062413	FB062413WV	FB062513
Sample Date:	6/21/2013	6/24/2013	6/24/2013	6/24/2013	6/24/2013	6/25/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	0	0	0	0	0

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Trip Blank	Trip Blank	Field Blank	Field Blank	Trip Blank	Field Blank
Sample ID:	TB062513	TB062613WV	FB062613WV	FB062613	TB062613	FB062713
Sample Date:	6/25/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/27/2013
Constituent in ug/L						
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	**1.7 J**	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0 J
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	**0.22 J**	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	**1.9**	0	0	0	0

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Location ID:	Trip Blank	Field Blank	Trip Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID:	TB062713	FB0627WV	TB0627WV	FB062813	TB062813	TB 8-12-13	TB 8-13-13
Sample Date:	6/27/2013	6/27/2013	6/27/2013	6/28/2013	6/28/2013	8/12/2013	8/13/2013
Constituent in ug/L							
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-Methyl-2-Pentanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 5.0 J	< 5.0 J	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodifluoromethane (Freon 22)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorodibromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-12	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-Tert-Butylether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylene Chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Styrene (Monomer)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CFC-11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane (Freon 113)	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
m,p-Xylene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TVOCs	0	0	0	0	0	0	0

Notes and Abbreviations on last page.

Table 1. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

QA/QC Samples Collected by Navy

Well ID:	Trip Blank	Trip Blank	Trip Blank	Equipment Rinsate Blank
Sample ID:	38-GW-TB01	38-GW-TB02	38-GW-TB03	GW-FB01-062113
Sample Date:	680-91555-10	680-91609-6	680-91660-4	680-91660-3
Constituent in ug/L	6/19/2013	6/20/2013	6/21/2013	6/21/2013
Acetone	<5	<5	<5	7.1
Benzene (µg/L)	<0.2	<0.2	<0.2	<0.2
Bromodichloromethane (µg/L)	<0.25	<0.25	<0.25	<0.25
Bromoform (µg/L)	<0.39	<0.39	<0.39	<0.39
Bromomethane (µg/L)	<0.45	<0.45	<0.45	<0.45
Chlorobenzene (µg/L)	<0.27	<0.27	<0.27	<0.27
Chloroethane (µg/L)	<0.33	<0.33	<0.33	<0.33
Chloroform (µg/L)	<0.3	<0.3	<0.3	<0.3
Chloromethane (µg/L)	<0.32	<0.32	<0.32	<0.32
Carbon tetrachloride (µg/L)	<0.22	<0.22	<0.22	<0.22
1,1-Dichloroethane (µg/L)	<0.39	<0.39	<0.39	<0.39
1,1-Dichloroethylene (µg/L)	<0.32	<0.32	<0.32	<0.32
1,2-Dibromoethane (µg/L)	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane (µg/L)	<0.45	<0.45	<0.45	<0.45
2-Butanone (MEK)	<5	<5	<5	<5
2-Hexanone	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	<5	<5	<5	<5
Dibromochloromethane (µg/L)	<0.43	<0.43	<0.43	<0.43
cis-1,3-Dichloropropene (µg/L)	<0.32	<0.32	<0.32	<0.32
trans-1,2-Dichloroethylene (µg/L)	<0.24	<0.24	<0.24	<0.24
cis-1,2-Dichloroethylene (µg/L)	<0.37	<0.37	<0.37	<0.37
trans-1,3-Dichloropropene (µg/L)	<0.48	<0.48	<0.48	<0.48
Ethylbenzene (µg/L)	<0.2	<0.2	<0.2	<0.2
Methylene chloride (µg/L)	<0.36	<0.36	<0.36	0.38
Styrene (µg/L)	<0.28	<0.28	<0.28	<0.28
1,1,1-Trichloroethane (µg/L)	<0.27	<0.27	<0.27	<0.27
1,1,2,2-Tetrachloroethane (µg/L)	<0.2	<0.2	<0.2	<0.2
1,1,2-Trichloroethane (µg/L)	<0.22	<0.22	<0.22	<0.22
Tetrachloroethylene (µg/L)	<0.3	<0.3	<0.3	<0.3
Toluene (µg/L)	<0.23	<0.23	<0.23	<0.23
Trichloroethylene (µg/L)	<0.37	<0.37	<0.37	<0.37
Trichlorofluoromethane (µg/L)	<0.16	<0.16	<0.16	<0.16
Vinyl chloride (µg/L)	<0.33	<0.33	<0.33	<0.33
m,p-Xylene (µg/L)	<0.42	<0.42	<0.42	<0.42
o-Xylene (µg/L)	<0.27	<0.27	<0.27	<0.27
TVOCs	0	0	0	0

Notes and Abbreviations on last page.

Table 3. Concentrations of Volatile Organic Compounds in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

Notes and Abbreviations:

Samples collected by Northrop Grumman were analyzed for VOCs under NYSDEC Method OLM4.3. Data were validated in accordance with USEPA National Functional Guidelines of October 1999.

Samples collected by Navy were analyzed for VOCs under USEPA Method 524.2. Data were validated in accordance with Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry-Revision 4.1 (USEPA, 1995), and the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008).

TVOCs were rounded to two significant figures.

Bold value indicates a detection.

NYSDEC	New York State Department of Environmental Conservation
VOCs	Volatile Organic Compounds
ug/L	micrograms per Liter
J	Value is estimated concentration.
TVOCs	Total Volatile Organic Compounds
B	The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

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Table 4. Concentrations of Metals in QA/QC Samples,
Comprehensive Groundwater Sampling Round, Northrop Grumman Systems Corporation, Bethpage, New York.

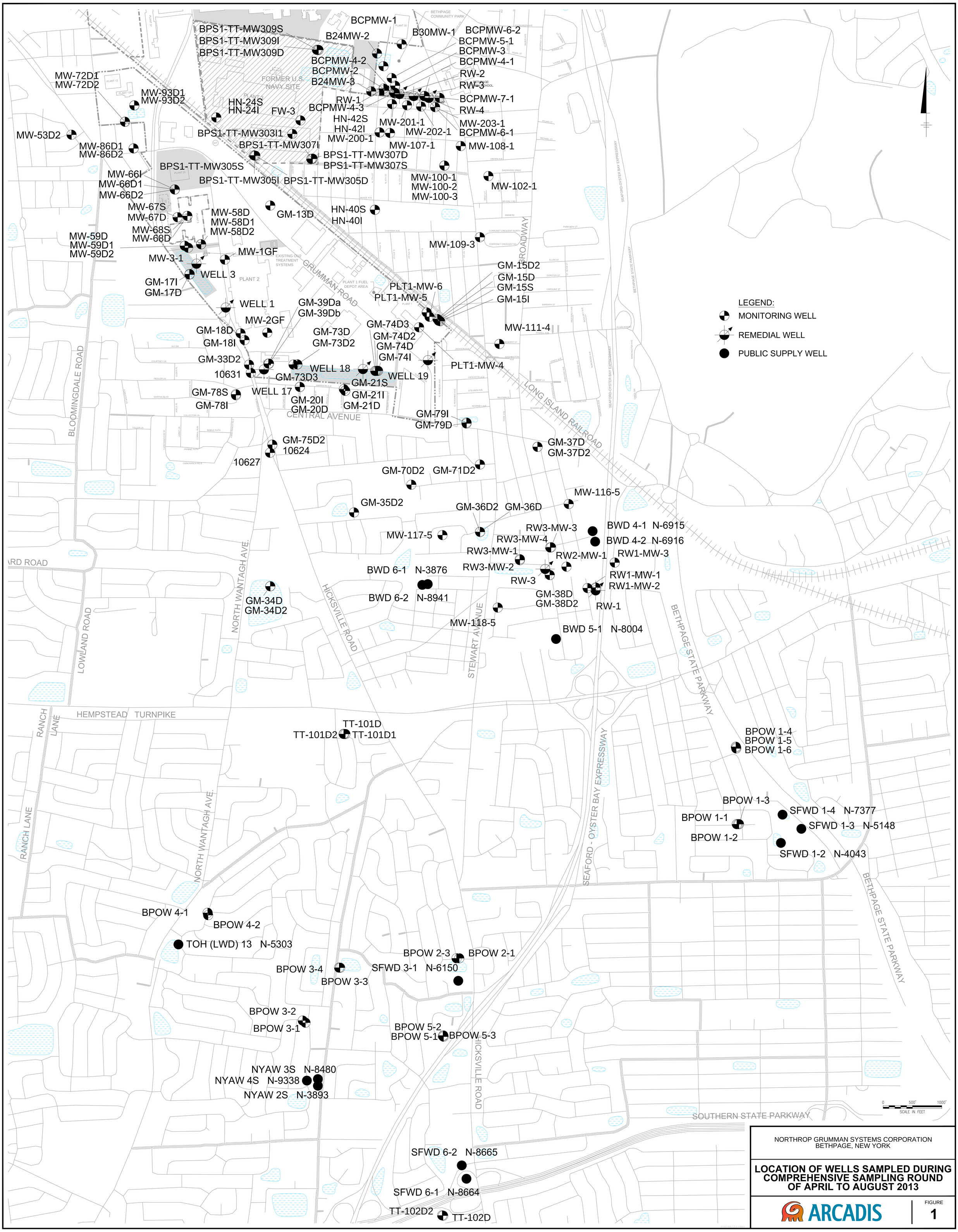
QA/QC Samples Collected by NorthropGrumman

Location ID:	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank
Sample ID:	FB052413	FB052913WV	FB053013	FB053013WV	FB053113WV	FB060613A	FB060613B	FB110613	FB061413	FB061413WV	FB062113WV	FB062713
Sample Date:	5/24/2013	5/29/2013	5/30/2013	5/30/2013	5/31/2013	6/5/2013	6/6/2013	6/11/2013	6/13/2013	6/14/2013	6/21/2013	6/27/2013
Constituent (units in ug/L)												
Cadmium, Total	--	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium, Total	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Notes and Abbreviations:

Metals were analyzed by USEPA Method 6010. Data were validated in accordance with USEPA National Functional Guidelines of July 2004.

USEPA United States Environmental Protection Agency
ug/L micrograms per Liter
-- Not Analyzed



NORTHROP GRUMMAN SYSTEMS CORPORATION
BETHPAGE, NEW YORK

LOCATION OF WELLS SAMPLED DURING COMPREHENSIVE SAMPLING ROUND OF APRIL TO AUGUST 2013

ARCADIS

FIGURE 1

SAMPLING PLAN FOR BETHPAGE REGIONAL PLUME COMPREHENSIVE GROUNDWATER SAMPLING ROUND (Rev 09-24-2013)

Well ID	Well Owner	Operable Unit	Well Function	Screen Interval (ft bls)
SHALLOW ZONE				
On-Site				
B24MW-2	NG	OU3	GW IRM MON. PROGRAM	54-74
B24MW-3	NG	OU3	GW IRM MON. PROGRAM	55-70
B30MW-1	NG	OU3	GW IRM MON. PROGRAM	57-72
BCPMW-1	NG	OU3	GW IRM MON. PROGRAM	50-65
BCPMW-2	NG	OU3	GW IRM MON. PROGRAM	60-75
BCPMW-3	NG	OU3	GW IRM MON. PROGRAM	59-74
BCPMW-4-1	NG	OU3	GW IRM MON. PROGRAM	45-65
BCPMW-4-2	NG	OU3	GW IRM MON. PROGRAM	68.5-83.5
BCPMW-4-3	NG	OU3	GW IRM MON. PROGRAM	115-125
BCPMW-5-1	NG	OU3	GW IRM MON. PROGRAM	50-65
BCPMW-6-1	NG	OU3	GW IRM MON. PROGRAM	88.5-98.5
BCPMW-7-1	NG	OU3	GW IRM MON. PROGRAM	90-100
RW-1	NG	OU3	GW IRM REC. WELL	108-128
RW-2	NG	OU3	GW IRM REC. WELL	84-104
RW-3	NG	OU3	GW IRM REC. WELL	84-104
RW-4	NG	OU3	GW IRM REC. WELL	110-130
FW-03	NAVY	OU2	GWM PROGRAM	49-64
GM-17I	NAVY	OU2	GWM PROGRAM	100-120
GM-74I	NAVY	OU2	GWM PROGRAM	94-114
HN-24S	NAVY	OU2	GWM PROGRAM	49-59
GM-15S	NAVY	OU2	GWM PROGRAM	70-80
GM-15I	NG	OU2	GWM PROGRAM	95-105
GM-18I	NG	OU2	GWM PROGRAM	95-105
PLT1MW-04	NG	OU2	GWM PROGRAM	41.5-56.5
PLT1MW-05	NG	OU2	GWM PROGRAM	38-58
PLT1MW-06	NG	OU2	GWM PROGRAM	47-62
MW-1GF	NG	OU2	GWM PROGRAM	48-58
MW-2GF	NG	OU2	GWM PROGRAM	49-59
BPS1-TT-MW303I1	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***95-105***
BPS1-TT-MW305S	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***40-50***
BPS1-TT-MW307S	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***40.5-50.5***
BPS1-TT-MW309S	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***40.5-50.5***
Off-Site				
GM-78S	NAVY	OU2	GWM PROGRAM	60-70
GM-78I	NAVY	OU2	GWM PROGRAM	90-110
HN-40S	NAVY	OU2	GWM PROGRAM	49-59
HN-40I	NAVY	OU2	GWM PROGRAM	108-118
HN-42S	NAVY	OU2	GWM PROGRAM	50-60
HN-42I	NAVY	OU2	GWM PROGRAM	100-110
GM-20I	NG	OU2	GWM PROGRAM	95-105
GM-21S	NG	OU2	GWM PROGRAM	63-67
N-10631	USGS	OU2	GWM PROGRAM	63-67
MW-100-1	***NG***	***OU3***	***RI MON. WELL***	***55-65***
MW-107-1	***NG***	***OU3***	***RI MON. WELL***	***78-88***
MW-108-1	***NG***	***OU3***	***RI MON. WELL***	***67-77***
MW-200-1	NG	OU3	GW IRM MON. PROGRAM	85-95
MW-201-1	NG	OU3	GW IRM MON. PROGRAM	70-80
MW-203-1	NG	OU3	GW IRM MON. PROGRAM	103-113

Well ID	Well Owner	Operable Unit	Well Function	Screen Interval (ft bls)
INTERMEDIATE ZONE				
On-Site				
HN-24I	NAVY	OU2	GWM PROGRAM	148-158
BCPMW-6-2	NG	OU3	GW IRM MON. PROGRAM	133-143
Off-Site				
GM-21I	NG	OU2	GWM PROGRAM	130-140
MW-100-2	***NG***	***OU3***	***RI MON. WELL***	***145-155***
MW-102-1	***NG***	***OU3***	***RI MON. WELL***	***137-147***
MW-202-1	NG	OU3	GW IRM MON. PROGRAM	125-135
DEEP ZONE				
On-Site				
~~MW-66I~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~295-305~~
~~MW-51D1~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~235-255~~
~~***MW-53D1***~~	~~***OXY***~~	~~***OU2***~~	~~***RI MON. WELL***~~	~~***300-330***~~
~~MW-72D1~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~200-210~~
~~MW-72D2~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~260-270~~
~~MW-86D1~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~200-210~~
~~MW-93D1~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~205-215~~
~~MW-93D2~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~260-270~~
GM-15D	NAVY	OU2	GWM PROGRAM	332-342
GM-17D	NAVY	OU2	GWM PROGRAM	278-298
GM-18D	NAVY	OU2	GWM PROGRAM	290-300
GM-39DA	NAVY	OU2	GWM PROGRAM	262-282
GM-74D	NAVY	OU2	GWM PROGRAM	295-305
GM-13D	NG	OU2	GWM PROGRAM	200-210
BPS1-TT-MW305I	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***190-200***
BPS1-TT-MW305D	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***286-296***
BPS1-TT-MW307I	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***188-198***
BPS1-TT-MW307D	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***276-286***
BPS1-TT-MW309I	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***160-170***
BPS1-TT-MW309D	***NAVY***	***OU1***	***NWIRP SITE 1 GW***	***252-262***
Off-Site				
BPOW1-1	NAVY	OU2	PWSCP OUTPOST WELL	196-241
BPOW1-2	NAVY	OU2	PWSCP OUTPOST WELL	310-335
GM-20D	NG	OU2	GWM PROGRAM	216-226
GM-21D	NAVY	OU2	GWM PROGRAM	278-288
GM-79I	NAVY	OU2	GWM PROGRAM	170-180
GM-79D	NAVY	OU2	GWM PROGRAM	280-290
GM-36D	NG	OU2	GWM PROGRAM	204-214
GM-37D	NG	OU2	GWM PROGRAM	242-262
GM-38D	NG	OU2	GWM PROGRAM	320-340
GM-70D2	NG	OU2	GWM PROGRAM	310-330
N-10624	USGS	OU2	GWM PROGRAM	190-194
N-10627	USGS	OU2	GWM PROGRAM	290-295
MW-100-3	***NG***	***OU3***	***RI MON. WELL***	***237-247***
MW-109-3	***NG***	***OU3***	***RI MON. WELL***	***233-243***

Well ID	Well Owner	Operable Unit	Well Function	Screen Interval (ft bls)
DEEP2 ZONE				
On-Site				
MW3-1	NG	OU2	RI MON. WELL	476-496
~~MW-58D~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~400-410~~
~~MW-58D1~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~465-475~~
~~MW-58D2~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~500-510~~
~~MW-59D~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~400-410~~
~~MW-59D1~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~465-475~~
~~MW-59D2~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~500-510~~
~~MW-66D1~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~355-365~~
~~MW-66D2~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~455-465~~
MW-67S	***OXY***	***OU2***	***RI MON. WELL***	***445-455***
MW-67D	***OXY***	***OU2***	***RI MON. WELL***	***495-505***
MW-68S	***OXY***	***OU2***	***RI MON. WELL***	***457-467***
MW-68D	***OXY***	***OU2***	***RI MON. WELL***	***490-500***
~~MW-51D2~~	~~OXY~~	~~OU3~~	~~RI MON. WELL~~	~~350-365~~
MW-53D2	***OXY***	***OU2***	***RI MON. WELL***	***430-460***
~~MW-86D2~~	~~OXY~~	~~OU2~~	~~RI MON. WELL~~	~~350-360~~
GM-15D2	NAVY	OU2	GWM PROGRAM	536-556
GM-39DB	NAVY	OU2	GWM PROGRAM	410-420
GM-73D	NAVY	OU2	GWM PROGRAM	401-411
GM-73D2	NAVY	OU2	GWM PROGRAM	532-552
GM-74D2	NAVY	OU2	GWM PROGRAM	542-562
WELL 1	NG	OU2	ONCT REC. WELL	519-570
WELL 3	NG	OU2	ONCT REC. WELL	483-519
WELL 17	NG	OU2	ONCT REC. WELL	480-563
WELL 18	NG	OU2	ONCT REC. WELL	466-570
WELL 19	NG	OU2	ONCT REC. WELL	465-617
Off-Site				
BPOW1-3	NAVY	OU2	PWSCP OUTPOST WELL	374-419
BPOW1-4	NAVY	OU2	PWSCP OUTPOST WELL	340-400
BPOW2-1	NAVY	OU2	PWSCP OUTPOST WELL	360-400
~~BPOW2-2~~	~~NAVY~~	~~OU2~~	~~PWSCP OUTPOST WELL~~	~~455-495~~
BPOW2-3	NAVY	OU2	NEW OUTPOST WELL	564-594
BPOW3-1	NAVY	OU2	PWSCP OUTPOST WELL	446-451
BPOW3-2	NAVY	OU2	PWSCP OUTPOST WELL	612-647
BPOW3-3	NAVY	OU2	NEW OUTPOST WELL	580-620
BPOW5-1	***NAVY***	***OU2***	***NEW OUTPOST WELL***	***478-503***
BPOW5-2	***NAVY***	***OU2***	***NEW OUTPOST WELL***	***538-578***
GM-75D2	NAVY	OU2	GWM PROGRAM	505-525
GM-33D2	NG	OU2	GWM PROGRAM	500-520
GM-34D	NG	OU2	GWM PROGRAM	309-319
GM-34D2	NG	OU2	GWM PROGRAM	510-520
GM-35D2	NG	OU2	GWM PROGRAM	510-530
GM-36D2	NG	OU2	GWM PROGRAM	520-540
GM-37D2	NG	OU2	GWM PROGRAM	370-390
GM-38D2	NG	OU2	GWM PROGRAM	475-495
GM-71D2	NG	OU2	GWM PROGRAM	444-464
MW-111-4	***NG***	***OU3***	***RI MON. WELL***	***448-468***
MW-116-5	***NG***	***OU3***	***RI MON. WELL***	***570-590***
TT101D	***NAVY***	***OU2***	***NEW MON. WELL***	***325-345***
TT101D1	***NAVY***	***OU2***	***NEW MON. WELL***	***570-590***
TT-102D1	***NAVY***	***OU2***	***NEW MON. WELL***	***560-600***

Well ID	Owner	Operable Unit	Well Function	Screen Interval (ft bls)
DEEP2 ZONE, continued				
Off-Site				
RW-1	NAVY	OU2	GM-38 AREA REC. WELL	335-430
RW-3	NAVY	OU2	GM-38 AREA REC. WELL	392-504
RW1-MW1	***NAVY***	***OU2***	***GM-38 AREA GWM***	***395-435***
RW1-MW2	***NAVY***	***OU2***	***GM-38 AREA GWM***	***395-435***
RW1-MW3	NAVY	OU2	GM-38 AREA GWM	395-435
RW2-MW1	NAVY	OU2	GM-38 AREA GWM	470-510
RW3-MW1	NAVY	OU2	GM-38 AREA GWM	475-495
RW3-MW2	NAVY	OU2	GM-38 AREA GWM	330-350
RW3-MW3	NAVY	OU2	GM-38 AREA GWM	320-340
RW3-MW4	NAVY	OU2	GM-38 AREA GWM	475-495
DEEP3 ZONE				
On-Site				
GM-73D3	***NG***	***OU2***	***RI MON. WELL***	***635-650***
GM-74D3	***NG***	***OU2***	***RI MON. WELL***	***625-645***
Off-Site				
MW-117-5	***NG***	***OU3***	***RI MON. WELL***	***737-757***
MW-118-5	***NG***	***OU3***	***RI MON. WELL***	***713-738***
BPOW1-5	NAVY	OU2	NEW OUTPOST WELL	600-650
BPOW1-6	NAVY	OU2	NEW OUTPOST WELL	700-750
BPOW3-4	NAVY	OU2	NEW OUTPOST WELL	640-690
BPOW4-1	NAVY	OU2	PWSCP OUTPOST WELL	652-692
BPOW4-2	NAVY	OU2	PWSCP OUTPOST WELL	725-765
TT-101D2	***NAVY***	***OU2***	***NEW MON. WELL***	***740-760***
TT-102D2	***NAVY***	***OU2***	***NEW MON. WELL***	***740-770***

DATA TO BE OBTAINED FROM ALL WELLS LOCATED WITHIN THE FOLLOWING PUBLIC WATER SUPPLY LOCATIONS

BWD PLANT 4	PUMPAGE AND WATER QUALITY A MONTHLY BASIS	ON
BWD PLANT 5		
BWD PLANT 6		
NYAW SNR		
SFWD PLANT 1		
SFWD PLANT 3		
SFWD PLANT 6		
TOH/LWD WELL 13		

Definitions:

BWD	Bethpage Water District
NYAW SNR	New York American Water Seaman's Neck Road
SFWD	South Farmingdale Water District
TOH/LWD	Town of Hempstead/Levittown Water District

NOTES:

SAMPLING RESPONSIBILITY:

NORTHROP GRUMMAN
NAVY
OXY-RUCO
WATER DISTRICTS

THIS WORK PLAN DOES NOT ADDRESS SAMPLING FOR SOURCES OR POTENTIALLY RESPONSIBLE PARTIES OTHER THAN NAVY, NORTHROP GRUMMAN, AND OXY.

WELLS NOT PRESENTLY PART OF A NAVY OR NORTHROP GRUMMAN REGULAR MONITORING PROGRAM ARE SHOWN IN BOLD-ITALICS.

1. Oxy Wells:

Based on site inspection by ARCADIS and information provided by Conestoga Rovers Associates, Inc. (consultant to Oxy):

a. MW-51D1 & D2 were located in March 2013 but were not rebuilt or redeveloped and cannot be sampled in their current condition.

b. The following wells were sampled by Oxy on the dates noted in parentheses: MW-58D, D1 & D2 (April 29 and May 23, 2013); MW-66D2 (April 25, 2013); MW-86D1 and D2 (April 29, 2013); and MW-93D1 and D2 (April 24, 2013). Wells MW-58D, D1 and D2 are constructed as a single well casing with multiple screens (based on well labeling); MW-66D2 also appeared to be a multi-screened well – see below), as opposed to individual wells installed separately. Wells with multiple screens along a single casing present the potential for cross flow within the well, therefore it was determined that the data from multi-screened wells likely wouldn't be considered representative, compared to single screened wells. It was decided that while the data collected from these multi-screened wells by OXY would be evaluated along with the remainder of the samples collected for the comprehensive event, samples were not collected from these multi-screened wells by Northrop Grumman.

c. MW-59D, D1 and D2 were not sampled (obstruction in well prevented sampling in April/May 2013).

d. MW-66I and D1 could not be located, but appeared to be clustered as multi-screened well with MW-66D2.

e. MW-86D1 and D2, MW-93D1 and D2, and MW-72D1 and D2 were equipped with Oxy's biopsparge injection apparatus and were not sampled by Northrop Grumman.

f. MW-53D1 could not be sampled due to obstruction inside well. Effort was made to purge the well, but well screen was plugged and well was not yielding.

2. Northrop Grumman Wells:

BPOW 2-2 could not be sampled due to repair being made to the well by Navy.

ABBREVIATIONS:

PWSCP	Public Water Supply Contingency Plan
GWM	Groundwater Monitoring
IRM	Interim Remedial Measure
MON.	Monitoring
REC.	Recovery
RI	Remedial Investigation

SAMPLING PLAN FOR BETHPAGE REGIONAL PLUME COMPREHENSIVE GROUNDWATER SAMPLING ROUND (Rev 09-24-2013)

Well ID	Well Owner	Operable Unit	Sampling Parameters 1/
SHALLOW ZONE			
On-Site			
B24MW-2	NG	OU3	VOC/Cd/Cr
B24MW-3	NG	OU3	VOC/Cd/Cr
B30MW-1	NG	OU3	VOC/Cd/Cr
BCPMW-1	NG	OU3	VOC/Cd/Cr
BCPMW-2	NG	OU3	VOC/Cd/Cr
BCPMW-3	NG	OU3	VOC/Cd/Cr
BCPMW-4-1	NG	OU3	VOC/Cd/Cr
BCPMW-4-2	NG	OU3	VOC/Cd/Cr
BCPMW-4-3	NG	OU3	VOC/Cd/Cr
BCPMW-5-1	NG	OU3	VOC/Cd/Cr
BCPMW-6-1	NG	OU3	VOC/Cd/Cr
BCPMW-7-1	NG	OU3	VOC/Cd/Cr
RW-1	NG	OU3	VOC/Cd/Cr
RW-2	NG	OU3	VOC/Cd/Cr
RW-3	NG	OU3	VOC/Cd/Cr
RW-4	NG	OU3	VOC/Cd/Cr
FW-03	NAVY	OU2	VOC
GM-17I	NAVY	OU2	VOC
GM-74I	NAVY	OU2	VOC
HN-24S	NAVY	OU2	VOC
GM-15S	NAVY	OU2	VOC/Cr
GM-15I	NG	OU2	VOC/Cd/Cr
GM-18I	NG	OU2	VOC
PLT1MW-04	NG	OU2	Cr
PLT1MW-05	NG	OU2	Cr
PLT1MW-06	NG	OU2	Cr
MW-1GF	NG	OU2	Cd/Cr
MW-2GF	NG	OU2	Cd/Cr
BPS1-TT-MW303I1	***NAVY***	***OU1***	***VOC/Cd/Cr***
BPS1-TT-MW305S	***NAVY***	***OU1***	***VOC/Cd/Cr***
BPS1-TT-MW307S	***NAVY***	***OU1***	***VOC/Cd/Cr***
BPS1-TT-MW309S	***NAVY***	***OU1***	***VOC/Cd/Cr***
Off-Site			
GM-78S	NAVY	OU2	VOC/Cd/Cr
GM-78I	NAVY	OU2	VOC/Cd/Cr
HN-40S	NAVY	OU2	VOC
HN-40I	NAVY	OU2	VOC
HN-42S	NAVY	OU2	VOC
HN-42I	NAVY	OU2	VOC
GM-20I	NG	OU2	VOC
GM-21S	NG	OU2	VOC
N-10631	USGS	OU2	VOC/Cd/Cr
MW-100-1	***NG***	***OU3***	VOC/Cd/Cr
MW-107-1	***NG***	***OU3***	VOC/Cd/Cr
MW-108-1	***NG***	***OU3***	VOC/Cd/Cr
MW-200-1	NG	OU3	VOC/Cd/Cr
MW-201-1	NG	OU3	VOC/Cd/Cr
MW-203-1	NG	OU3	VOC/Cd/Cr

Well ID	Well Owner	Operable Unit	Sampling Parameters 1/
INTERMEDIATE ZONE			
On-Site			
HN-24I	NAVY	OU2	VOC
BCPMW-6-2	NG	OU3	VOC/Cd/Cr
Off-Site			
GM-21I	NG	OU2	VOC
MW-100-2	***NG***	***OU3***	VOC/Cd/Cr
MW-102-1	***NG***	***OU3***	VOC/Cd/Cr
MW-202-1	NG	OU3	VOC/Cd/Cr
DEEP ZONE			
On-Site			
~~MW-56I~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-51D1~~	~~OXY~~	~~OU2~~	~~VOC~~
~~***MW-53D1***~~	~~***OXY***~~	~~***OU2***~~	~~***VOC***~~
~~MW-72D1~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-72D2~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-86D1~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-93D1~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-93D2~~	~~OXY~~	~~OU2~~	~~VOC~~
GM-15D	NAVY	OU2	VOC
GM-17D	NAVY	OU2	VOC
GM-18D	NAVY	OU2	VOC
GM-39DA	NAVY	OU2	VOC
GM-74D	NAVY	OU2	VOC
GM-13D	NG	OU2	VOC
BPS1-TT-MW305I	***NAVY***	***OU1***	***VOC/Cd/Cr***
BPS1-TT-MW305D	***NAVY***	***OU1***	***VOC/Cd/Cr***
BPS1-TT-MW307I	***NAVY***	***OU1***	***VOC/Cd/Cr***
BPS1-TT-MW307D	***NAVY***	***OU1***	***VOC/Cd/Cr***
BPS1-TT-MW309I	***NAVY***	***OU1***	***VOC/Cd/Cr***
BPS1-TT-MW309D	***NAVY***	***OU1***	***VOC/Cd/Cr***
Off-Site			
BPOW1-1	NAVY	OU2	VOC
BPOW1-2	NAVY	OU2	VOC
GM-20D	NG	OU2	VOC
GM-21D	NAVY	OU2	VOC
GM-79I	NAVY	OU2	VOC
GM-79D	NAVY	OU2	VOC
GM-36D	NG	OU2	VOC
GM-37D	NG	OU2	VOC
GM-38D	NG	OU2	VOC
GM-70D2	NG	OU2	VOC
N-10624	USGS	OU2	VOC
N-10627	USGS	OU2	VOC
MW-100-3	***NG***	***OU3***	VOC/Cd/Cr
MW-109-3	***NG***	***OU3***	VOC/Cd/Cr

Well ID	Well Owner	Operable Unit	Sampling Parameters 1/
DEEP2 ZONE			
On-Site			
MW3-1	NG	OU2	VOC
~~MW-58D~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-58D1~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-58D2~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-59D~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-59D1~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-59D2~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-66D1~~	~~OXY~~	~~OU2~~	~~VOC~~
~~MW-66D2~~	~~OXY~~	~~OU2~~	~~VOC~~
MW-67S	***OXY***	***OU2***	***VOC***
MW-67D	***OXY***	***OU2***	***VOC***
MW-68S	***OXY***	***OU2***	***VOC***
MW-68D	***OXY***	***OU2***	***VOC***
~~MW-51D2~~	~~OXY~~	~~OU3~~	~~VOC~~
MW-53D2	***OXY***	***OU2***	***VOC***
~~MW-86D2~~	~~OXY~~	~~OU2~~	~~VOC~~
GM-15D2	NAVY	OU2	VOC
GM-39DB	NAVY	OU2	VOC
GM-73D	NAVY	OU2	VOC
GM-73D2	NAVY	OU2	VOC
GM-74D2	NAVY	OU2	VOC
WELL 1	NG	OU2	VOC
WELL 3	NG	OU2	VOC
WELL 17	NG	OU2	VOC
WELL 18	NG	OU2	VOC
WELL 19	NG	OU2	VOC
Off-Site			
BPOW1-3	NAVY	OU2	VOC
BPOW1-4	NAVY	OU2	VOC
BPOW2-1	NAVY	OU2	VOC
~~BPOW2-2~~	~~NAVY~~	~~OU2~~	~~VOC~~
BPOW2-3	NAVY	OU2	VOC
BPOW3-1	NAVY	OU2	VOC
BPOW3-2	NAVY	OU2	VOC
BPOW3-3	NAVY	OU2	VOC
BPOW5-1	***NAVY***	***OU2***	VOC
BPOW5-2	***NAVY***	***OU2***	VOC
GM-75D2	NAVY	OU2	VOC
GM-33D2	NG	OU2	VOC
GM-34D	NG	OU2	VOC
GM-34D2	NG	OU2	VOC
GM-35D2	NG	OU2	VOC
GM-36D2	NG	OU2	VOC
GM-37D2	NG	OU2	VOC
GM-38D2	NG	OU2	VOC
GM-71D2	NG	OU2	VOC
MW-111-4	***NG***	***OU3***	***VOC/Cd/Cr***
MW-116-5	***NG***	***OU3***	***VOC/Cd/Cr***
TT101D	***NAVY***	***OU2***	***VOC***
TT101D1	***NAVY***	***OU2***	***VOC***
TT-102D1	***NAVY***	***OU2***	***VOC***

Well ID	Owner	Operable Unit	Sampling Parameters 1/
DEEP2 ZONE, continued			
Off-Site			
RW-1	NAVY	OU2	VOC
RW-3	NAVY	OU2	VOC
RW1-MW1	NAVY	OU2	VOC
RW1-MW2	NAVY	OU2	VOC
RW1-MW3	NAVY	OU2	VOC
RW2-MW1	NAVY	OU2	VOC
RW3-MW1	NAVY	OU2	VOC
RW3-MW2	NAVY	OU2	VOC
RW3-MW3	NAVY	OU2	VOC
RW3-MW4	NAVY	OU2	VOC
DEEP3 ZONE			
On-Site			
GM-73D3	***NG***	***OU2***	***VOC***
GM-74D3	***NG***	***OU2***	***VOC***
Off-Site			
MW-117-5	***NG***	***OU3***	***VOC/Cd/Cr***
MW-118-5	***NG***	***OU3***	***VOC/Cd/Cr***
BPOW1-5	NAVY	OU2	VOC
BPOW1-6	NAVY	OU2	VOC
BPOW3-4	NAVY	OU2	VOC
BPOW4-1	NAVY	OU2	VOC
BPOW4-2	NAVY	OU2	VOC
TT-101D2	***NAVY***	***OU2***	***VOC***
TT-102D2	***NAVY***	***OU2***	***VOC***

DATA TO BE OBTAINED FROM ALL WELLS LOCATED WITHIN THE FOLLOWING PUBLIC WATER SUPPLY LOCATIONS

BWD PLANT 4	PUMPAGE AND WATER QUALITY ON A MONTHLY BASIS
BWD PLANT 5	
BWD PLANT 6	
LIAW SNR	
SFWD PLANT 1	
SFWD PLANT 3	
SFWD PLANT 6	
TOH/LWD WELL 13	

Definitions:

BWD	Bethpage Water District
NYAW SNR	New York American Water Seaman's Neck Road
SFWD	South Farmingdale Water District
TOH/LWD	Town of Hempstead/Levittown Water District

NOTES:

1/ Analytical Methods:

VOCs	NYSDEC OLM4.3, SW 846-8260 and USEPA Method 524.2
Metals	Cad/Chrom: SW846 Method 6010C

SAMPLING RESPONSIBILITY:

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NAVY
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WATER DISTRICTS

THIS WORK PLAN DOES NOT ADDRESS SAMPLING FOR SOURCES OR POTENTIALLY RESPONSIBLE PARTIES OTHER THAN NAVY, NORTHROP GRUMMAN, AND OXY.

WELLS NOT PRESENTLY PART OF A NAVY OR NORTHROP GRUMMAN REGULAR MONITORING PROGRAM ARE SHOWN IN BOLD ITALICS.

ABBREVIATIONS:

NYSDEC	New York State Department of Environmental Conservation
USEPA	United States Environmental Protection Agency
PWSCP	Public Water Supply Contingency
GWM	Groundwater Monitoring
IRM	Interim Remedial Measure
MON.	Monitoring
REC.	Recovery
RI	Remedial Investigation